

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034272.D
 Acq On : 05 Sep 2019 09:37
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:26 PM

Quant Time: Sep 06 04:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	298607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	437791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	445909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	280634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	25628	6.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.08%	
35) Dibromofluoromethane	4.86	113	24581	7.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.32%	
50) Toluene-d8	7.55	98	74770	6.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.36%	
62) 4-Bromofluorobenzene	10.29	95	32462	6.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	17685	6.076	ug/l	97
3) Chloromethane	1.32	50	21617	5.035	ug/l	98
4) Vinyl Chloride	1.40	62	21417	5.550	ug/l	99
5) Bromomethane	1.61	94	13707	6.660	ug/l	98
6) Chloroethane	1.69	64	13918	5.805	ug/l	98
7) Trichlorofluoromethane	1.87	101	27896	6.072	ug/l	99
8) Diethyl Ether	2.09	74	11827	5.966	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.27	101	18964	6.471	ug/l	99
10) Methyl Iodide	2.40	142	9615	2.509	ug/l	97
11) Tert butyl alcohol	2.81	59	24766	28.206	ug/l	98
12) 1,1-Dichloroethene	2.27	96	17395	5.891	ug/l	94
13) Acrolein	2.18	56	23806	53.140	ug/l	100
14) Allyl chloride	2.58	41	32740	5.874	ug/l	99
15) Acrylonitrile	2.92	53	61511	30.037	ug/l	97
16) Acetone	2.31	43	63689	32.485	ug/l	100
17) Carbon Disulfide	2.46	76	40518	4.554	ug/l	100
18) Methyl Acetate	2.60	43	30375	5.996	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	59450	6.009	ug/l	95
20) Methylene Chloride	2.68	84	23081	6.256	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	19109	5.997	ug/l	98
22) Diisopropyl ether	3.55	45	62297	6.000	ug/l #	78
23) Vinyl Acetate	3.51	43	237386	26.859	ug/l	99
24) 1,1-Dichloroethane	3.43	63	39553	6.484	ug/l	98
25) 2-Butanone	4.25	43	80942	29.702	ug/l	100
26) 2,2-Dichloropropane	4.20	77	30621	6.177	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	22067	6.063	ug/l	97
28) Bromochloromethane	4.53	49	18700	6.185	ug/l	94
29) Tetrahydrofuran	4.62	42	47312	28.145	ug/l	98
30) Chloroform	4.65	83	39792	6.488	ug/l	99
31) Cyclohexane	4.97	56	31201	5.679	ug/l #	82
32) 1,1,1-Trichloroethane	4.89	97	31941	6.403	ug/l	98
36) 1,1-Dichloropropene	5.12	75	24730	5.964	ug/l	99
37) Ethyl Acetate	4.37	43	25907	5.502	ug/l #	89
38) Carbon Tetrachloride	5.11	117	26360	6.470	ug/l	94

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Manual Integrations
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Quant Time: Sep 06 04:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	25445	5.298	ug/l	98
40) Benzene	5.37	78	80283	6.314	ug/l	100
41) Methacrylonitrile	4.53	41	14486	5.937	ug/l	97
42) 1,2-Dichloroethane	5.39	62	28309	6.454	ug/l	99
43) Isopropyl Acetate	5.53	43	42939	5.963	ug/l	97
44) Trichloroethene	6.17	130	23119	6.852	ug/l	99
45) 1,2-Dichloropropane	6.41	63	23466	6.640	ug/l	97
46) Dibromomethane	6.54	93	15033	6.612	ug/l	97
47) Bromodichloromethane	6.74	83	29674	6.619	ug/l	98
48) Methyl methacrylate	6.61	41	18044	5.231	ug/l	94
49) 1,4-Dioxane	6.60	88	9154	108.092	ug/l	94
51) 4-Methyl-2-Pentanone	7.44	43	150962	30.256	ug/l	97
52) Toluene	7.62	92	50455	6.408	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	28926	5.884	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	32214	5.977	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	22332	6.613	ug/l	95
56) Ethyl methacrylate	8.00	69	26680	5.354	ug/l	97
57) 1,3-Dichloropropane	8.22	76	36904	6.485	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	41164	22.880	ug/l	99
59) 2-Hexanone	8.35	43	110460	29.359	ug/l	96
60) Dibromochloromethane	8.46	129	23938	6.579	ug/l	99
61) 1,2-Dibromoethane	8.57	107	21833	6.203	ug/l	95
64) Tetrachloroethene	8.21	164	20505	6.707	ug/l	96
65) Chlorobenzene	9.10	112	58723	6.285	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	21364	6.258	ug/l	95
67) Ethyl Benzene	9.23	91	89347	5.683	ug/l	98
68) m/p-Xylenes	9.36	106	67766	11.294	ug/l	97
69) o-Xylene	9.76	106	31501	5.466	ug/l	93
70) Styrene	9.77	104	53663	5.401	ug/l	97
71) Bromoform	9.94	173	18219	6.123	ug/l #	99
73) Isopropylbenzene	10.15	105	86842	4.726	ug/l	100
74) N-amyl acetate	10.00	43	31933	4.163	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.44	83	39491	5.551	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	32769m	5.352	ug/l	
77) Bromobenzene	10.43	156	25594	5.133	ug/l	99
78) n-propylbenzene	10.57	91	100005	4.669	ug/l	99
79) 2-Chlorotoluene	10.64	91	64225	4.992	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	72031	4.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	8788m	4.756	ug/l	
82) 4-Chlorotoluene	10.76	91	71811	4.841	ug/l	98
83) tert-Butylbenzene	11.08	119	71913	4.686	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	71218	4.602	ug/l	97
85) sec-Butylbenzene	11.31	105	84616	4.599	ug/l	100
86) p-Isopropyltoluene	11.46	119	76045	4.566	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	46822	5.285	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	49221	5.475	ug/l	97
89) n-Butylbenzene	11.87	91	63146	4.307	ug/l	96
90) Hexachloroethane	12.12	117	12994	4.563	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	46168	5.422	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	6441	4.571	ug/l	97

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA_U
ClientSampleId :
VSTDICC005

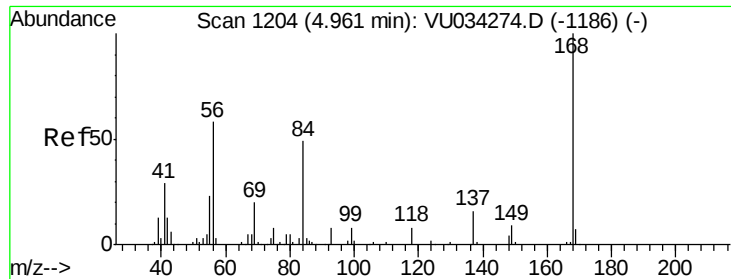
Manual Integrations
APPROVED

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9/6/2019 3:21:26 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 04:16:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	20115	3.865	ug/l	97
94) Hexachlorobutadiene	13.67	225	15801	4.831	ug/l	99
95) Naphthalene	13.73	128	47210	3.288	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	23395	4.282	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 298607

Ion Ratio Lower Upper

168 100

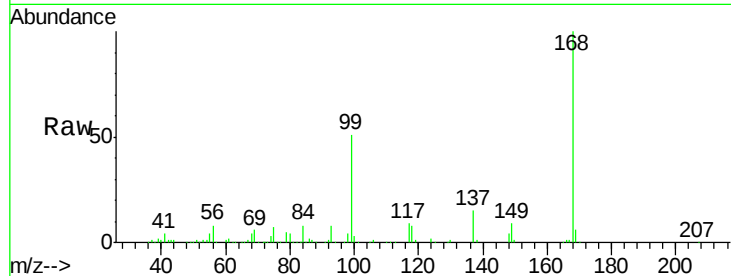
99 50.3 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034272.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034272.D (-1186) (-)

4.96

150000

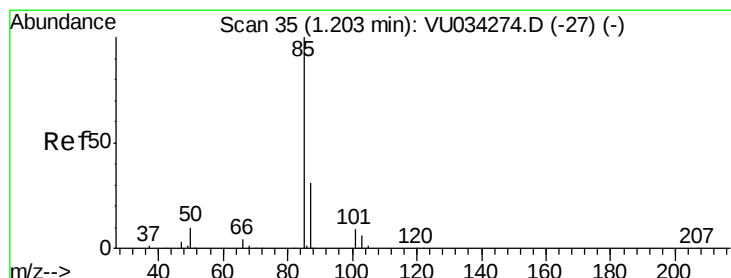
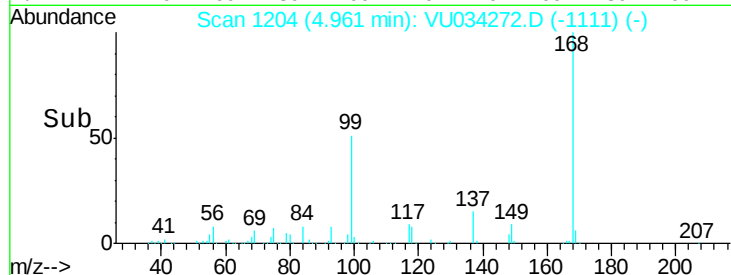
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 6.076 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034272.D

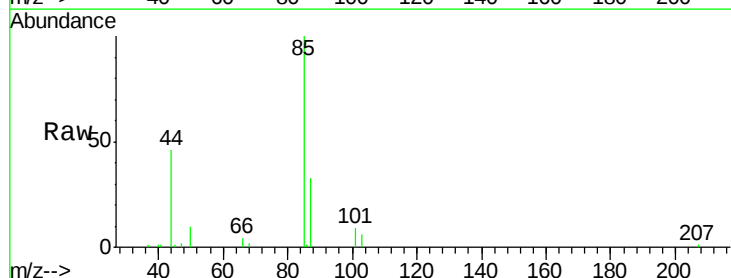
Acq: 05 Sep 2019 09:37

Tgt Ion: 85 Resp: 17685

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034272.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034272.D (-1) (-)

1.20

20000

15000

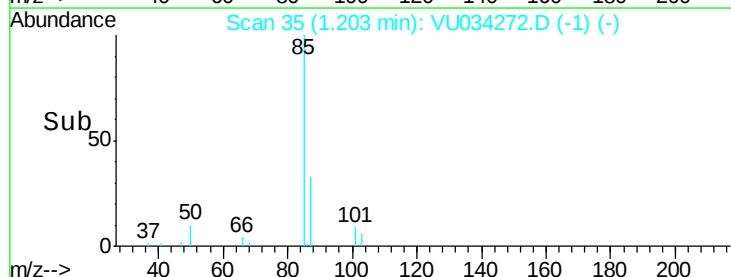
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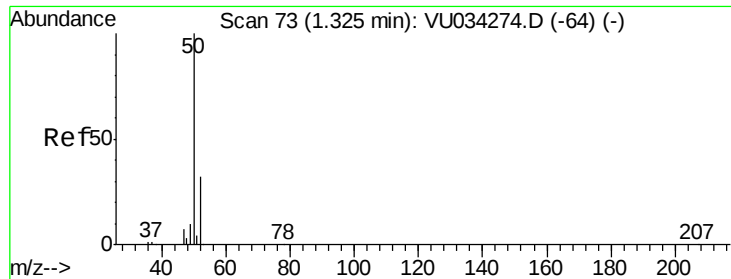
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.035 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21617

Ion Ratio Lower Upper

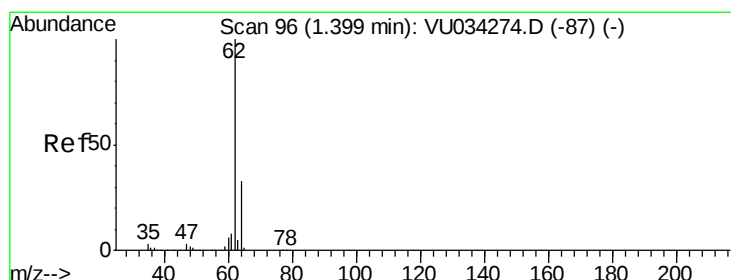
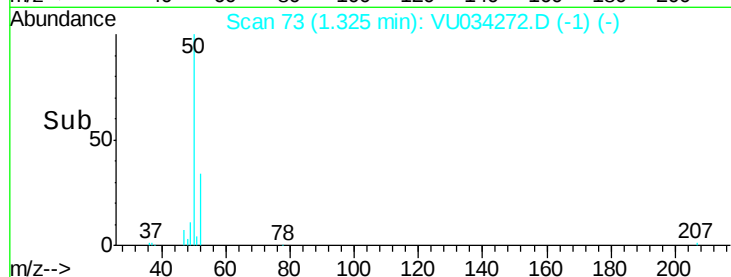
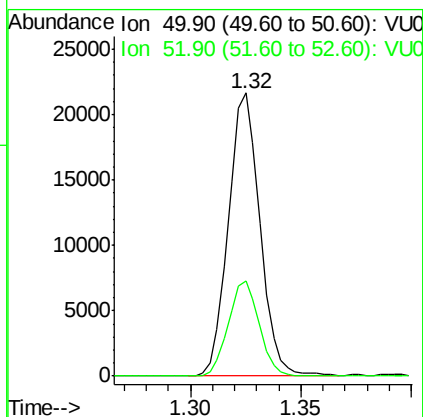
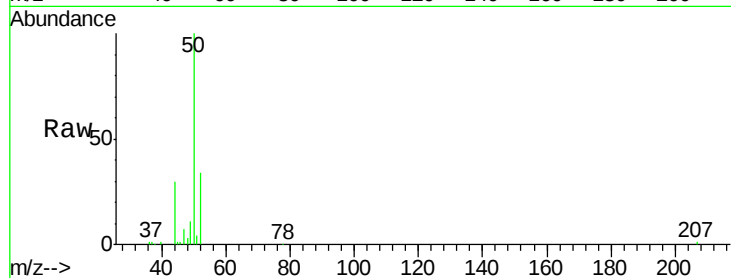
50 100

52 33.5 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.550 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034272.D

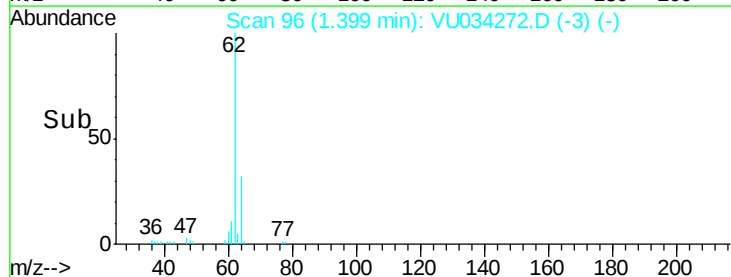
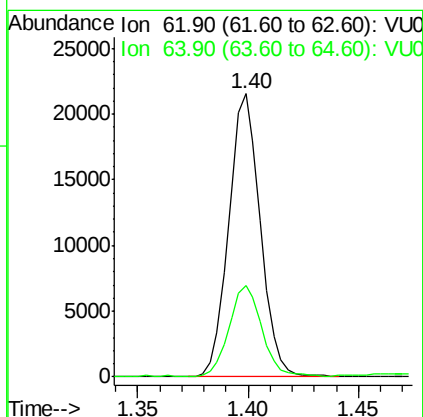
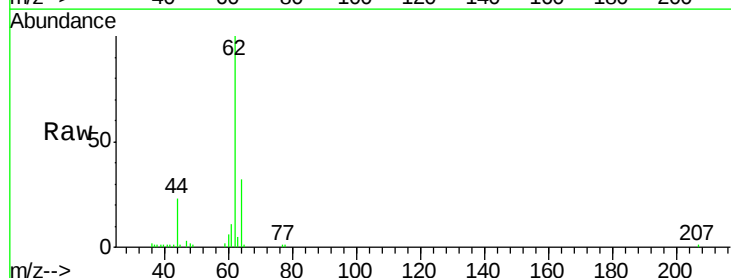
Acq: 05 Sep 2019 09:37

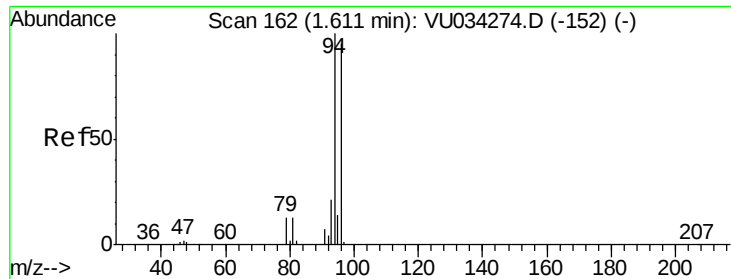
Tgt Ion: 62 Resp: 21417

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.4





#5

Bromomethane

Concen: 6.660 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13707

Ion Ratio Lower Upper

94 100

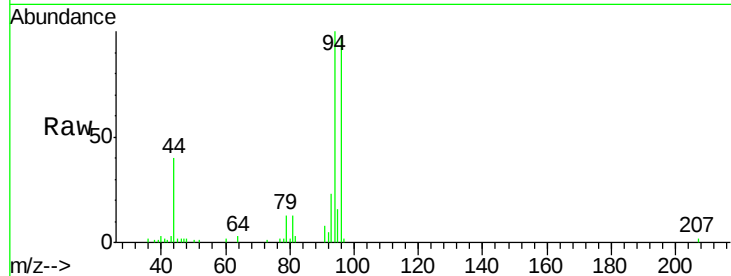
96 96.5 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034272.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034272.D (-152) (-)

1.61

12000

10000

8000

6000

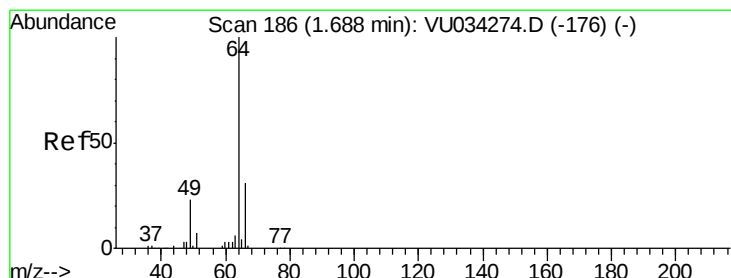
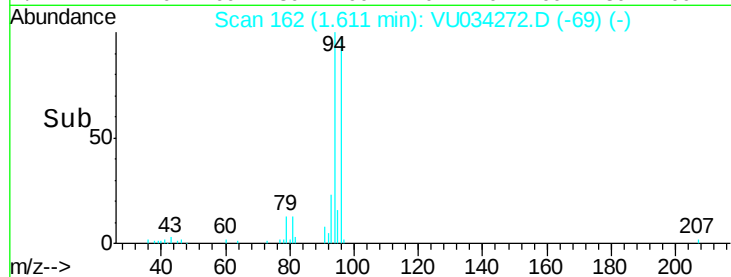
4000

2000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 5.805 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034272.D

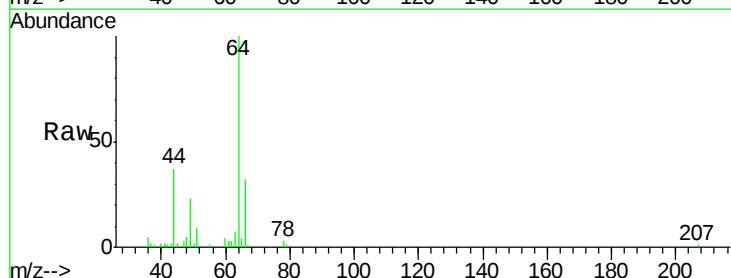
Acq: 05 Sep 2019 09:37

Tgt Ion: 64 Resp: 13918

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034272.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034272.D (-176) (-)

1.69

12000

10000

8000

6000

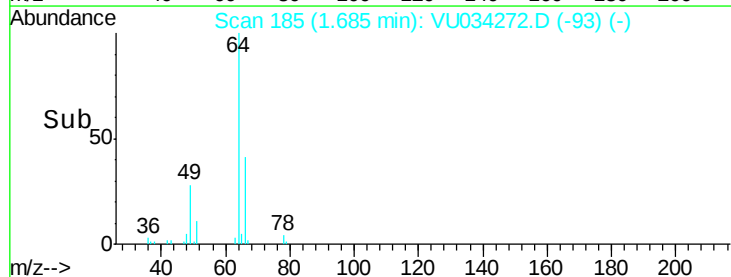
4000

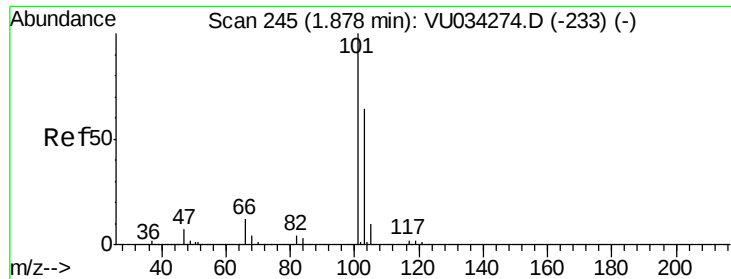
2000

0

Time-->

1.60 1.65 1.70 1.75





#7

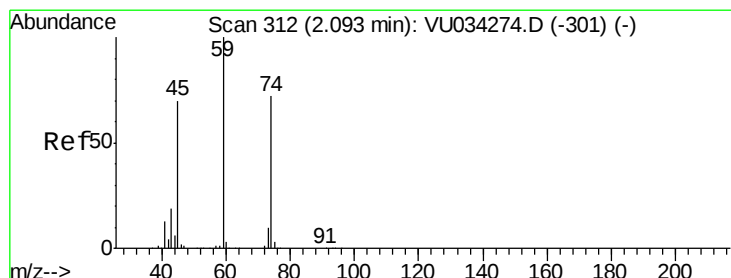
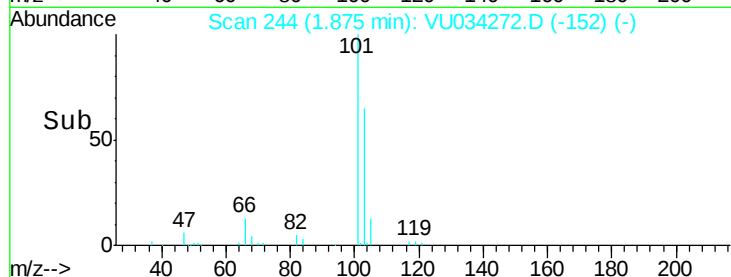
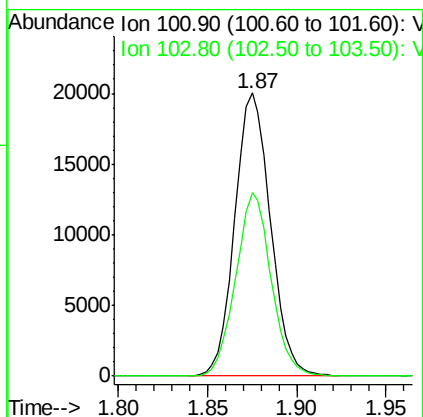
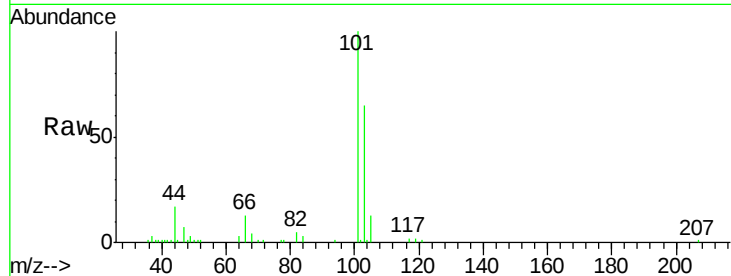
Trichlorofluoromethane
 Concen: 6.072 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.6

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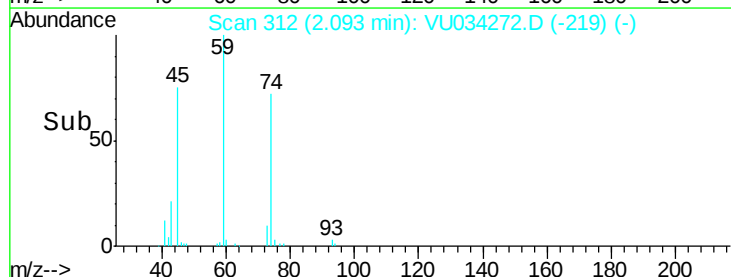
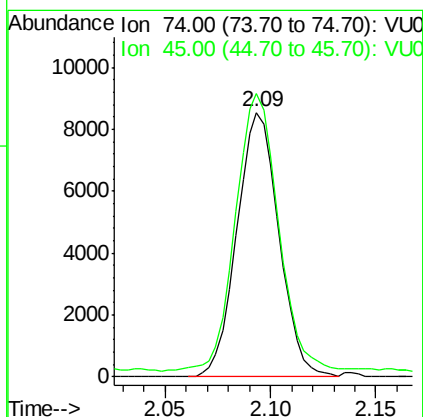
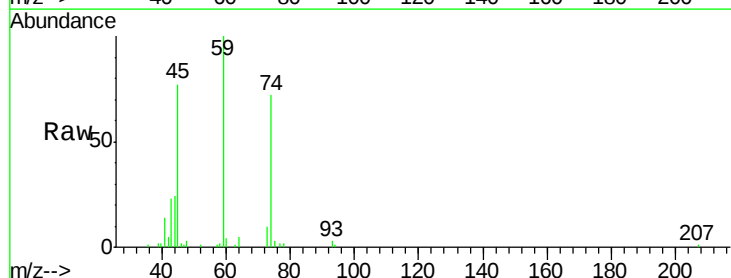
MMDadoda
 9/6/2019 3:21:26 PM

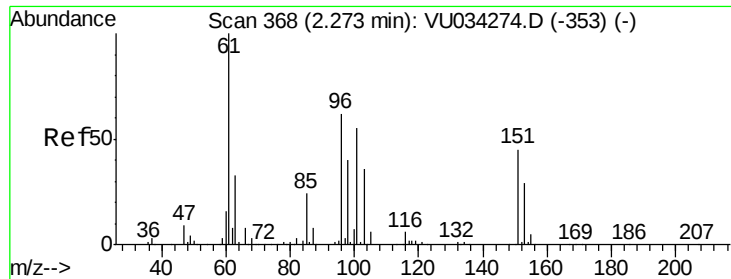


#8

Diethyl Ether
 Concen: 5.966 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.471 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

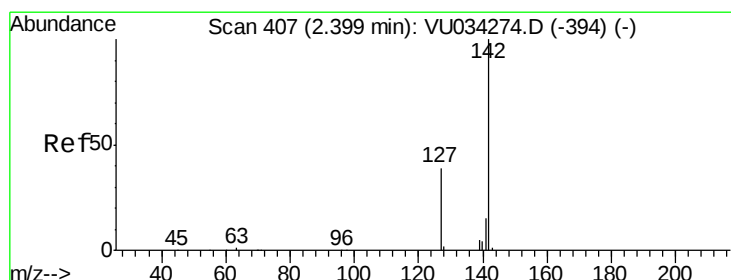
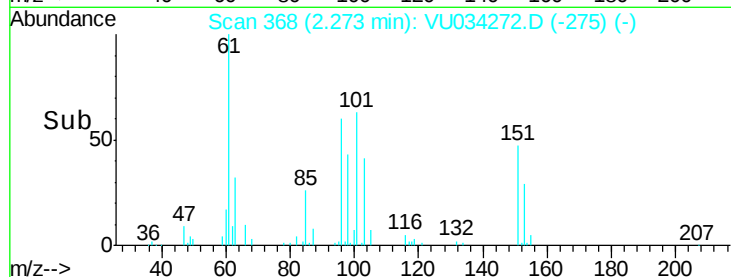
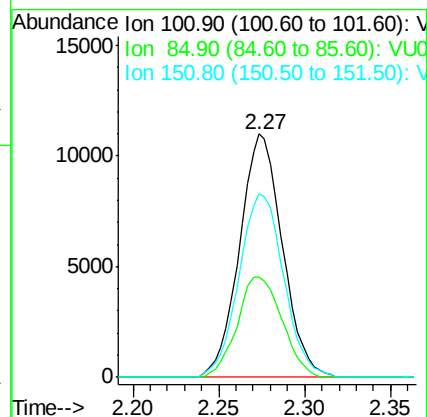
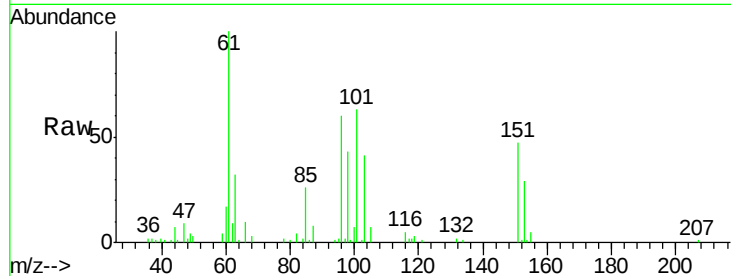
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	18964
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.4	51.6
151	78.9	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 2.509 ug/l

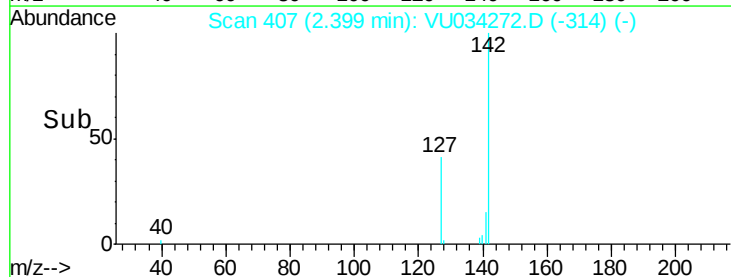
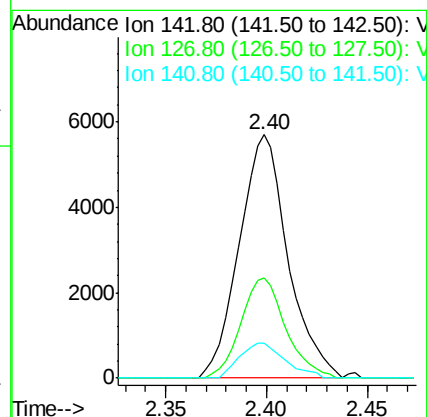
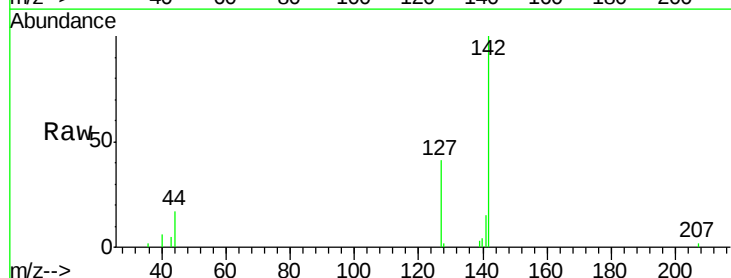
RT: 2.40 min Scan# 407

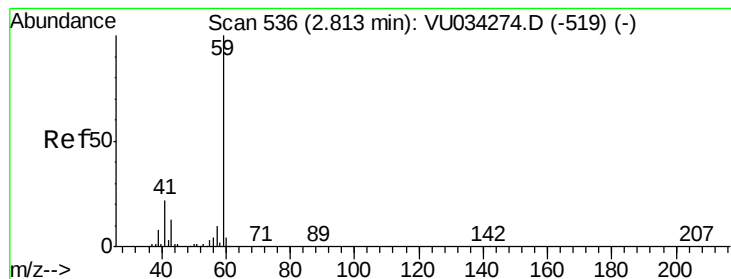
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	142	Resp:	9615
Ion Ratio	Lower	Upper	
142	100		
127	38.0	32.1	48.1
141	13.4	11.5	17.3





#11

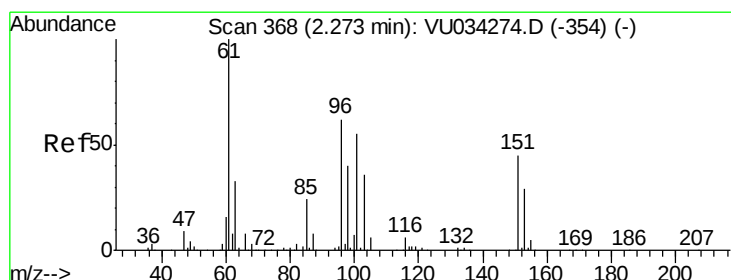
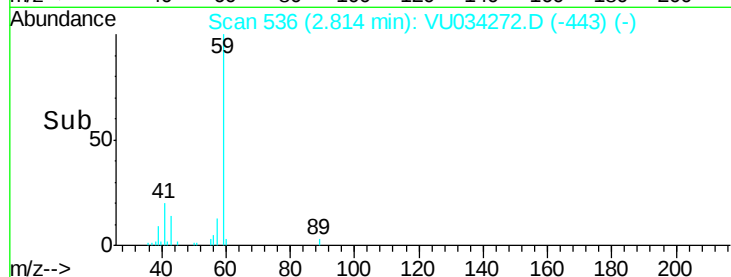
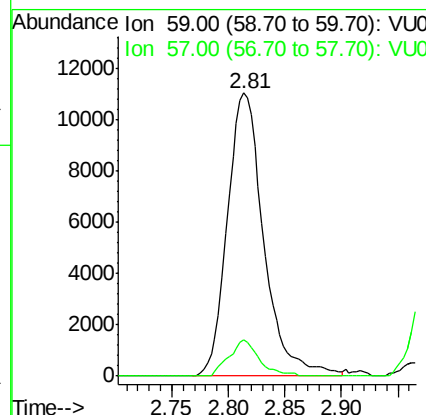
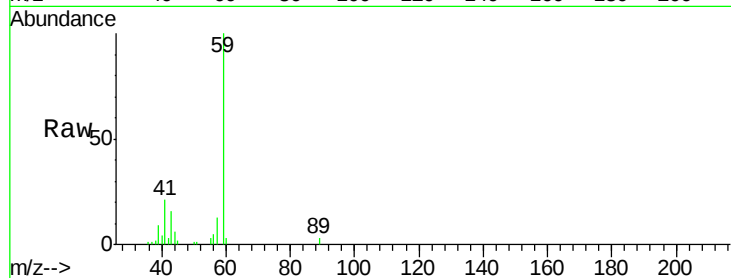
Tert butyl alcohol
 Concen: 28.206 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9

Manual Integrations
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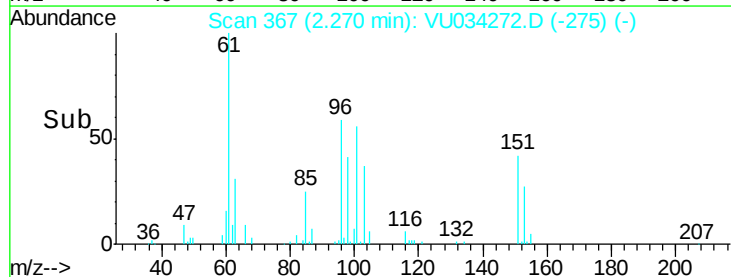
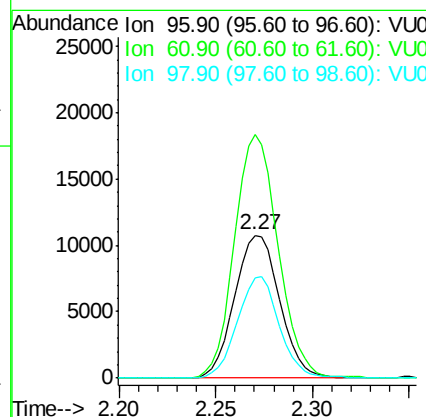
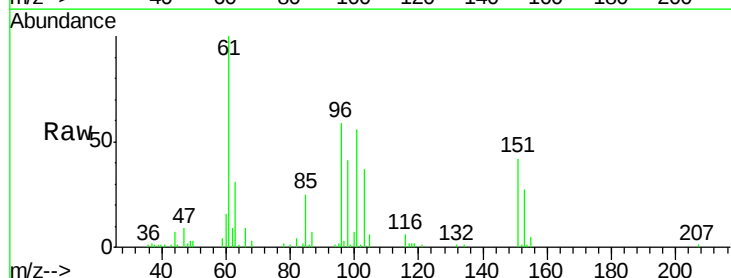
MMDadoda
 9/6/2019 3:21:26 PM

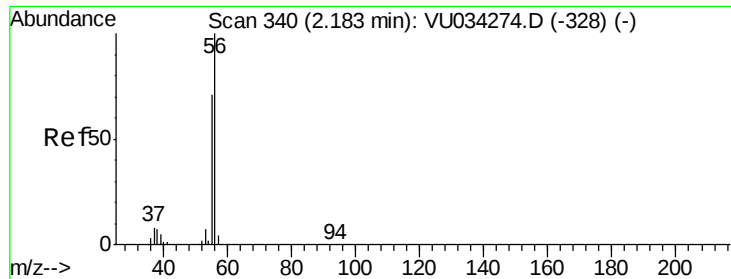


#12

1,1-Dichloroethene
 Concen: 5.891 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	130.0	195.0
98	69.9	52.2	78.4





#13

Acrolein

Concen: 53.140 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 23806

Ion Ratio Lower Upper

56 100

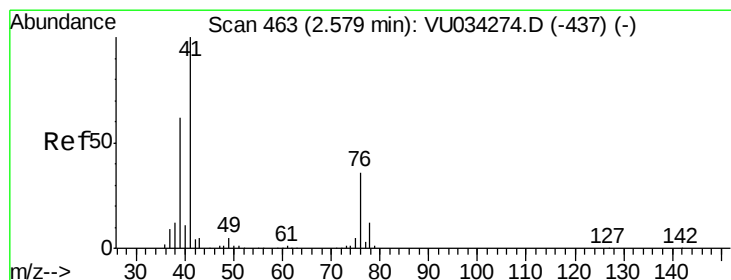
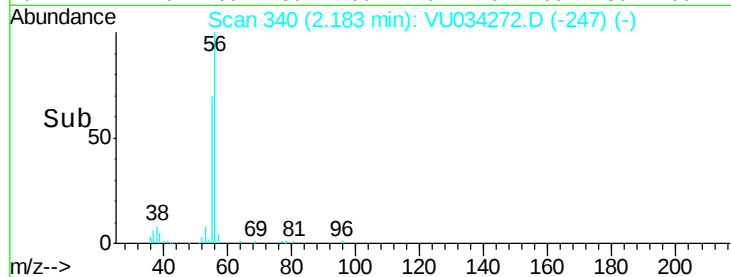
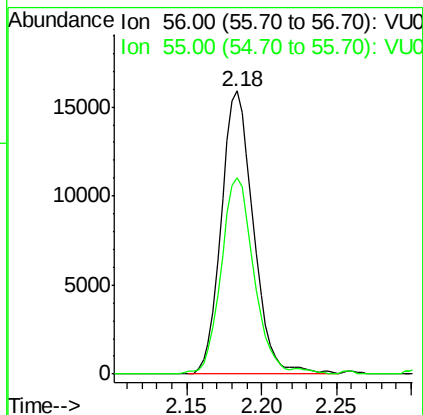
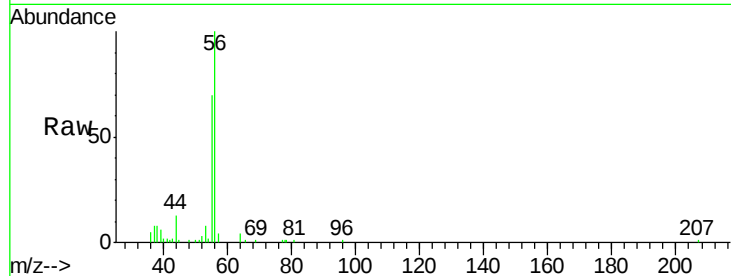
55 71.5 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 5.874 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

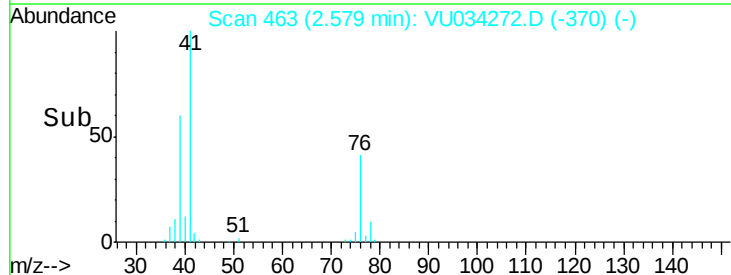
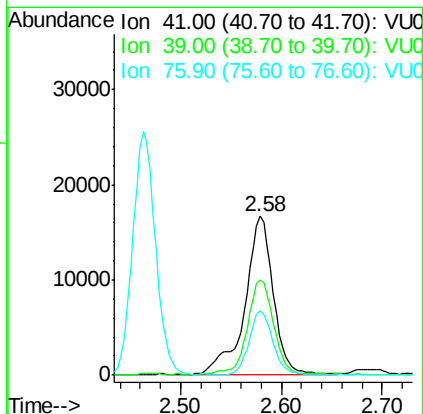
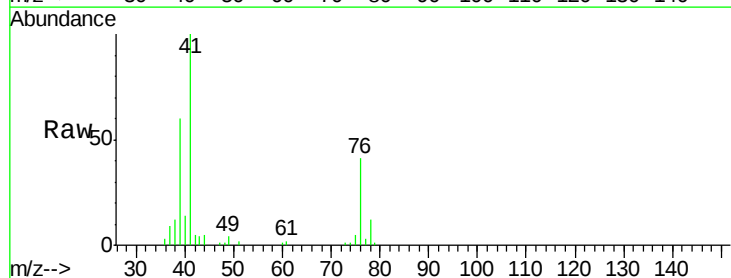
Tgt Ion: 41 Resp: 32740

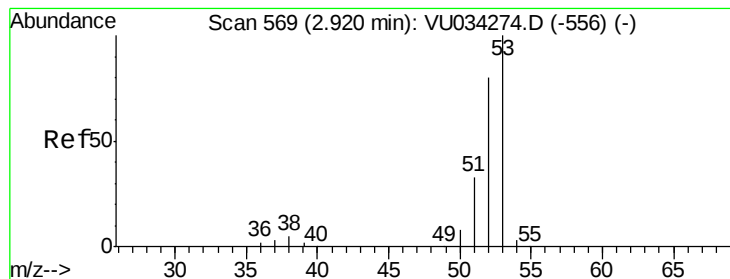
Ion Ratio Lower Upper

41 100

39 55.5 43.5 65.3

76 33.4 27.0 40.6





#15

Acrylonitrile

Concen: 30.037 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

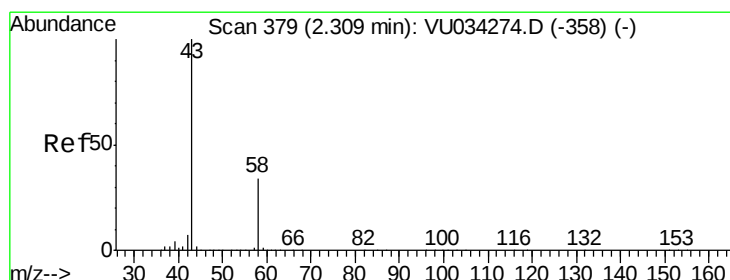
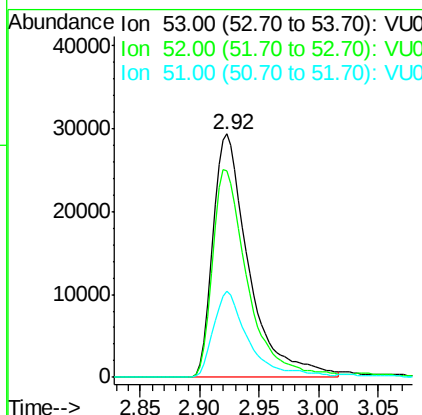
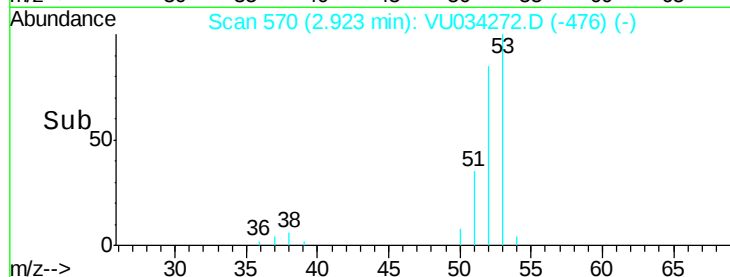
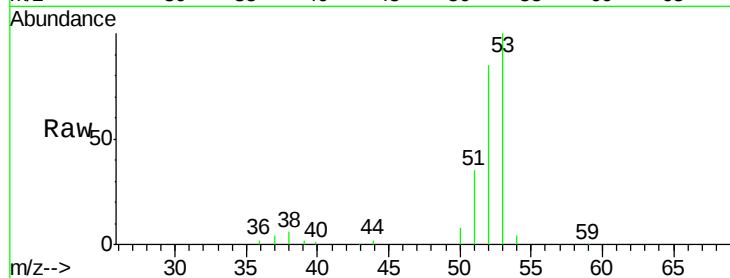
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	61511
Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.1	96.1
51	32.8	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 32.485 ug/l

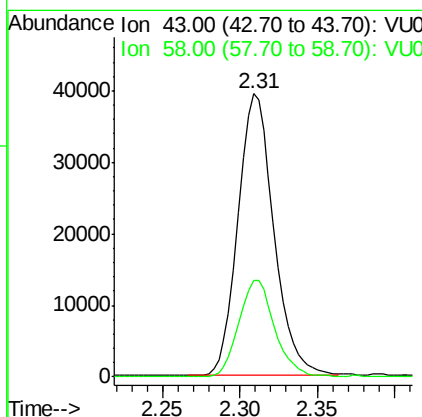
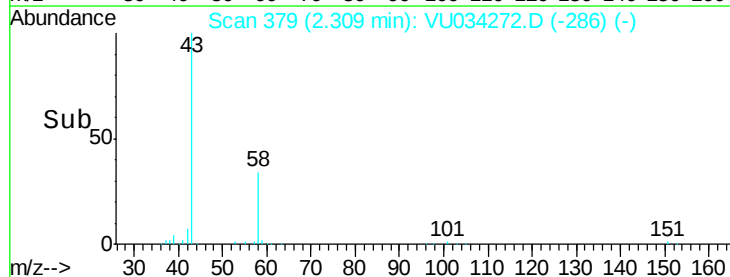
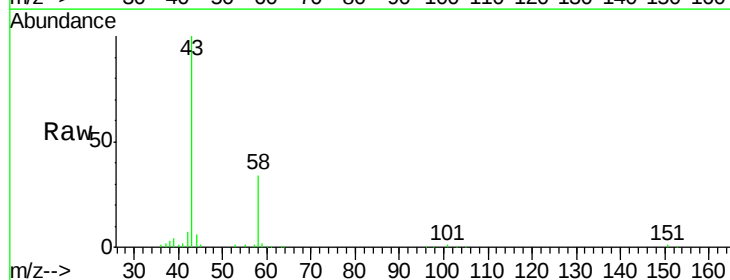
RT: 2.31 min Scan# 379

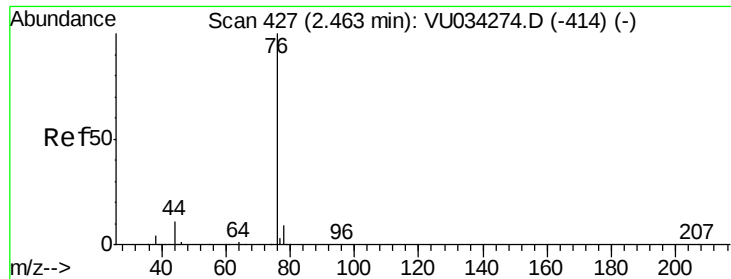
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	43	Resp:	63689
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.6	41.4





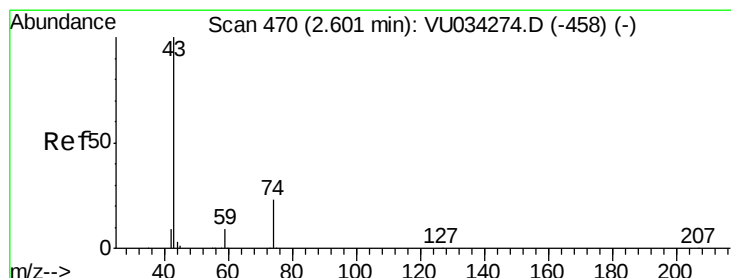
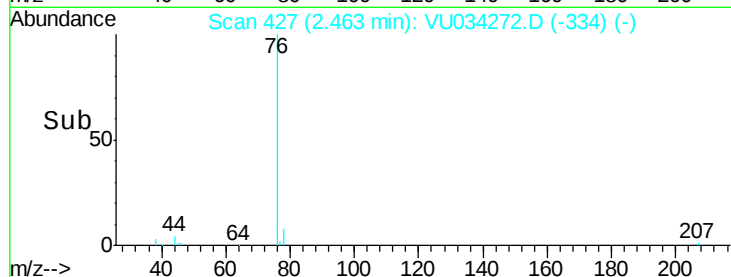
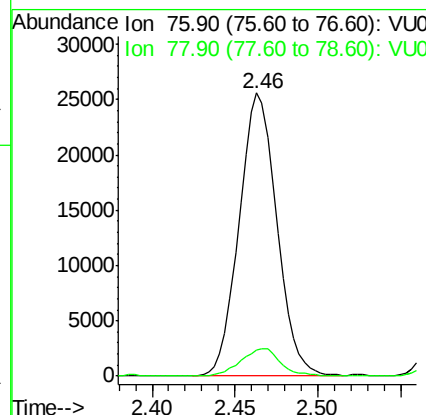
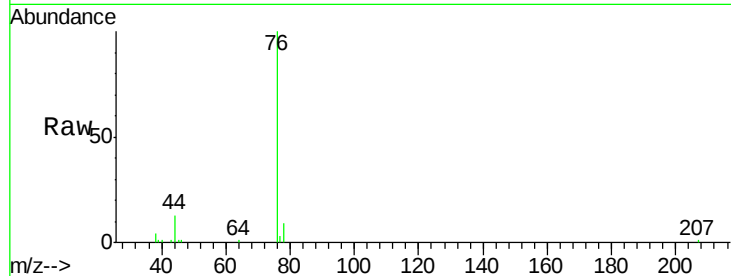
#17
Carbon Disulfide
Concen: 4.554 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

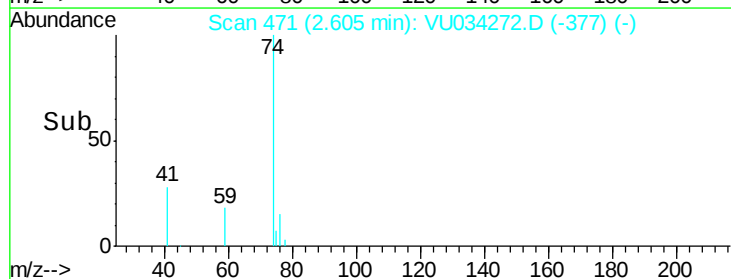
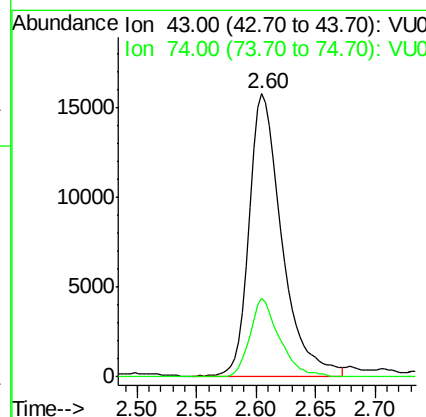
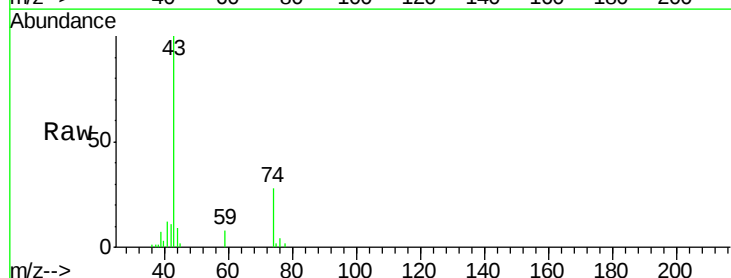
Manual Integrations
APPROVED

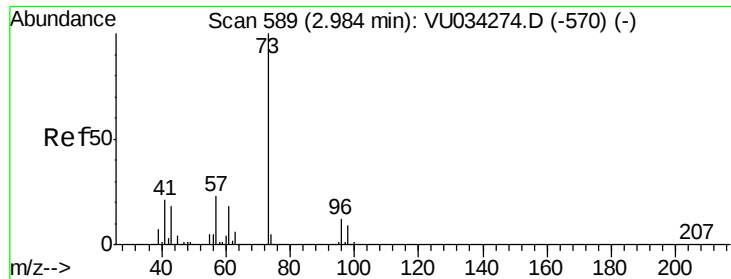
MMDadoda
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#18
Methyl Acetate
Concen: 5.996 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.9	28.3





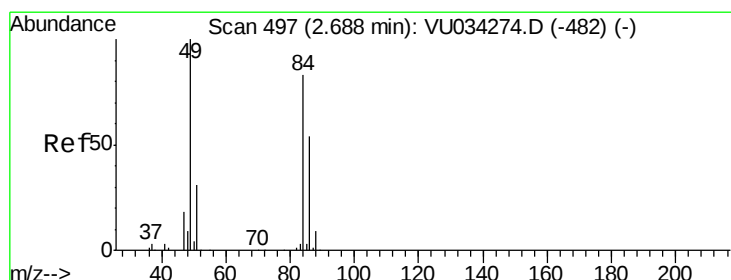
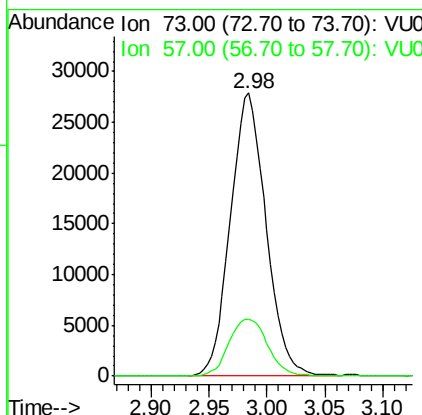
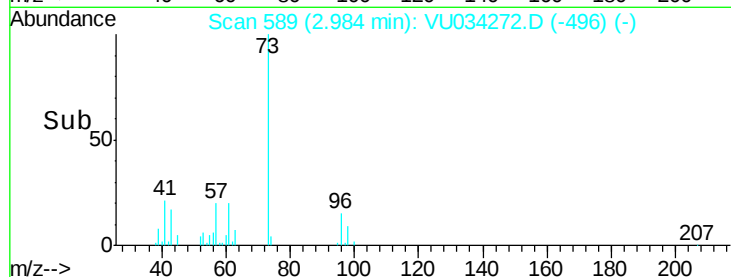
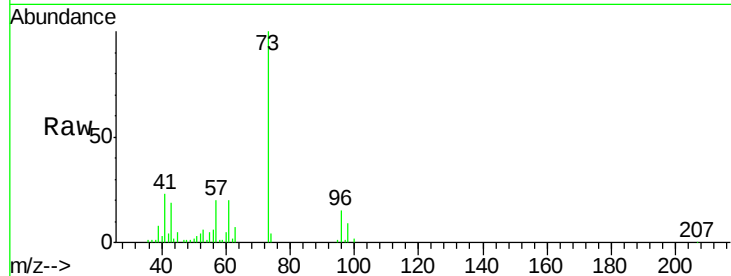
#19
Methvl tert-butvl Ether
Concen: 6.009 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 59450
Ion Ratio Lower Upper
73 100
57 20.3 18.2 27.4

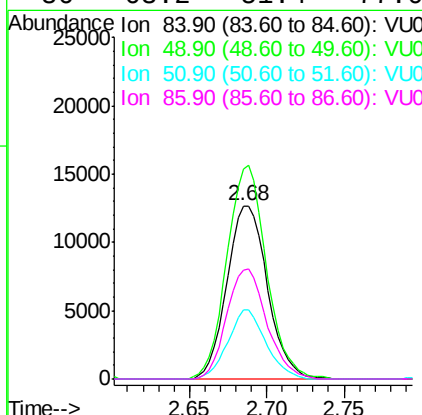
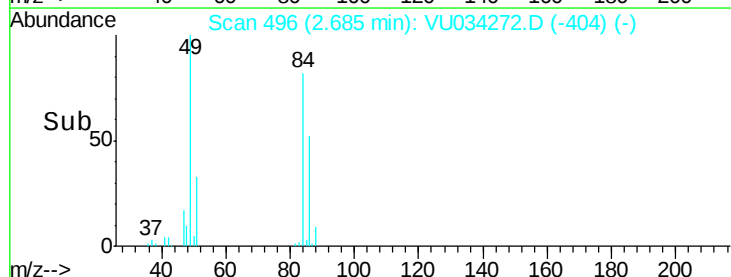
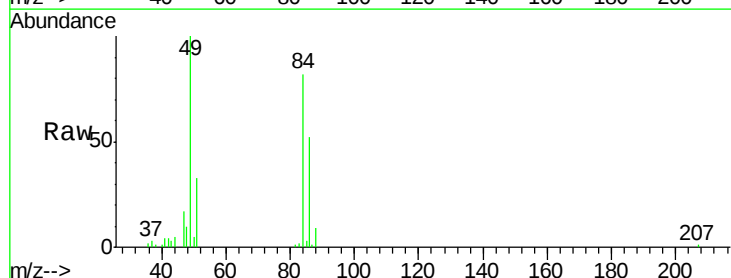
Manual Integrations
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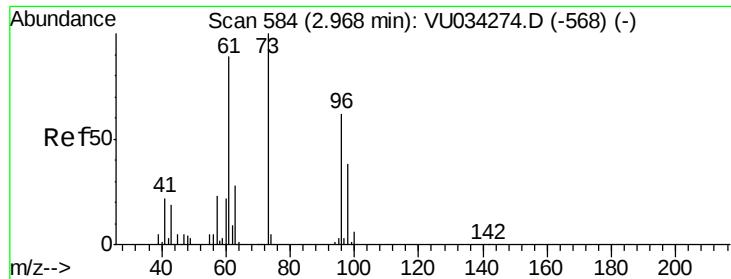
MMDadoda
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#20
Methylene Chloride
Concen: 6.256 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion: 84 Resp: 23081
Ion Ratio Lower Upper
84 100
49 121.5 96.0 144.0
51 40.3 30.0 45.0
86 63.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.997 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

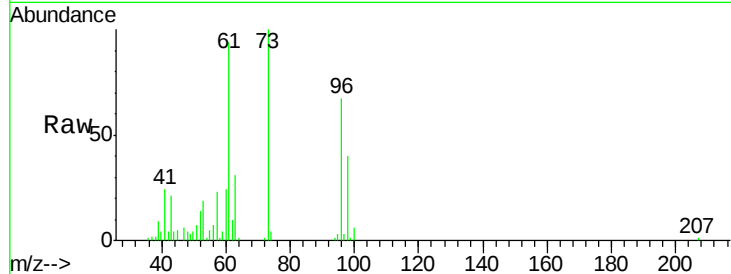
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	19109
Ion	Ratio	Lower	Upper
96	100		
61	141.7	114.8	172.2
98	59.8	49.8	74.8

Manual Integrations
APPROVED

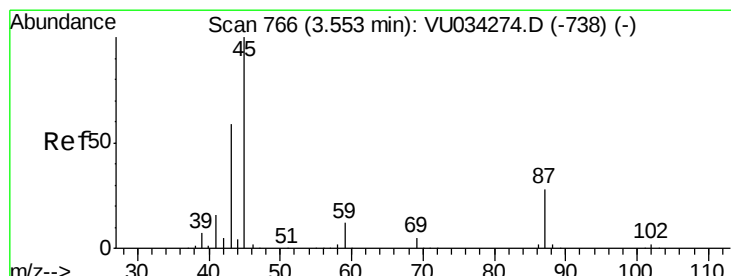
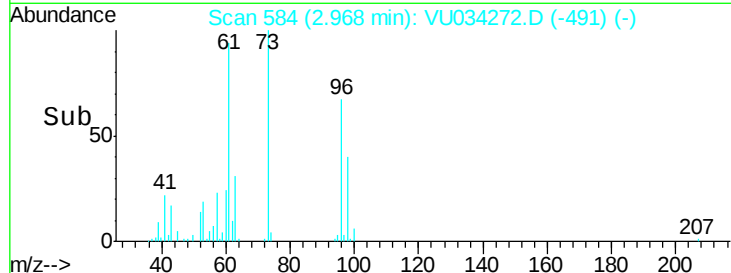
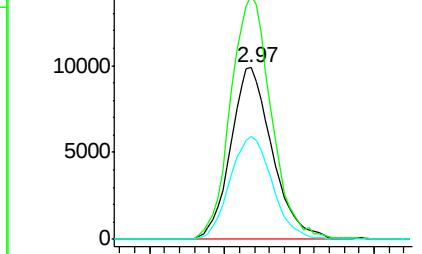
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VU034272.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034272.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034272.D (-491) (-)



#22

Diisopropyl ether

Concen: 6.000 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

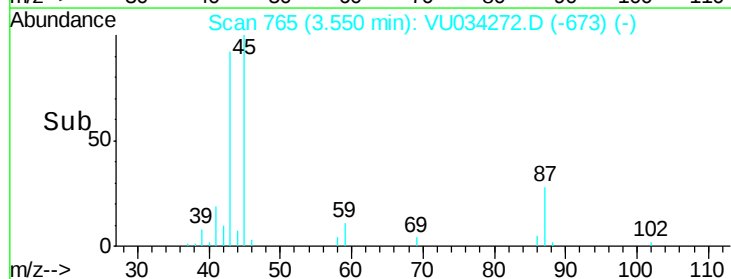
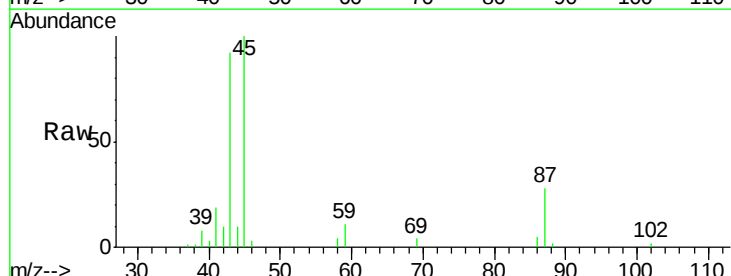
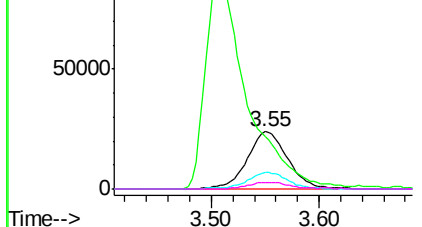
Tgt Ion:	45	Resp:	62297
Ion	Ratio	Lower	Upper
45	100		
43	86.9	47.5	71.3#
87	28.2	22.2	33.4
59	11.0	9.4	14.2

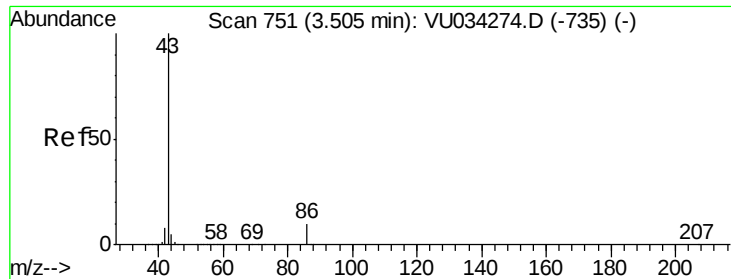
Abundance Ion 45.00 (44.70 to 45.70): VU034272.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034272.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034272.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034272.D (-673) (-)





#23

Vinyl Acetate

Concen: 26.859 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 237386

Ion Ratio Lower Upper

43 100

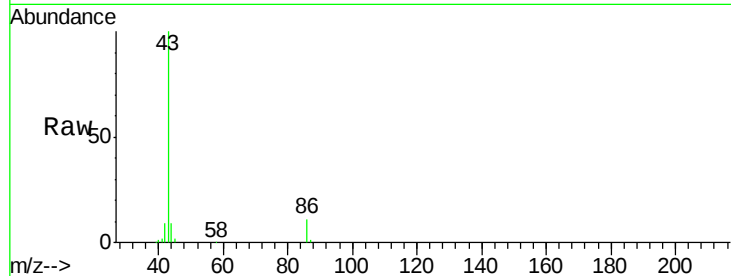
86 10.7 8.3 12.5

Manual Integrations

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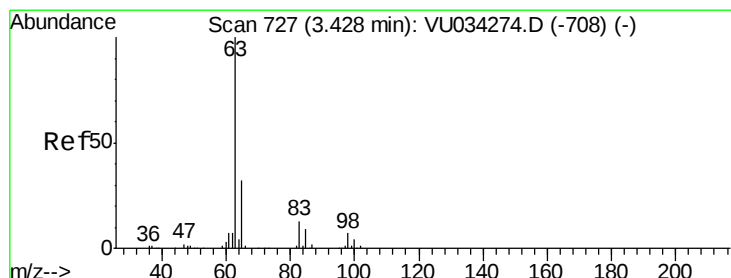
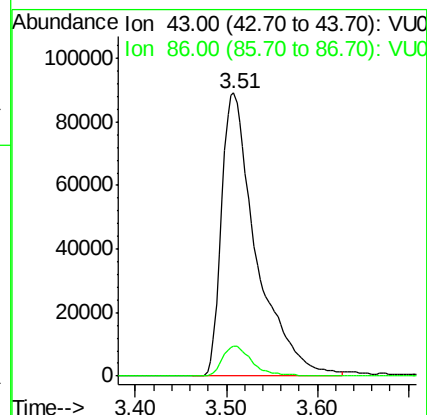
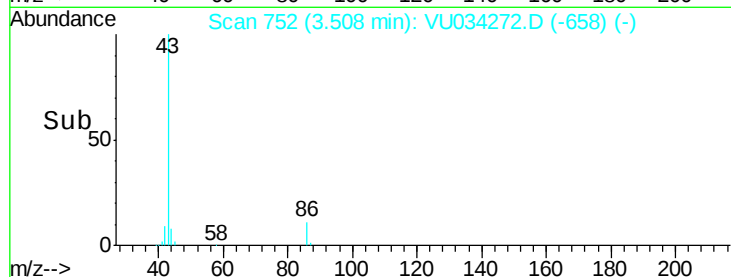


Abundance Ion 43.00 (42.70 to 43.70): VU034272.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034272.D (-658) (-)

3.51

Time-->



#24

1,1-Dichloroethane

Concen: 6.484 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

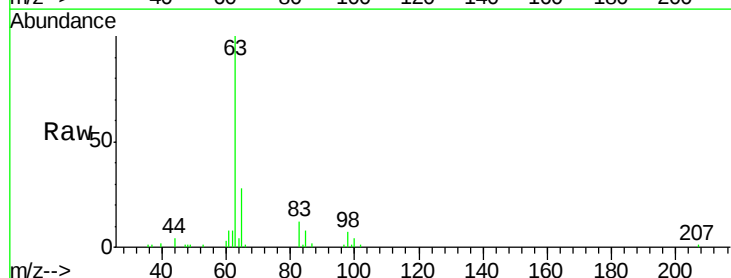
Tgt Ion: 63 Resp: 39553

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 3.8 2.1 6.5



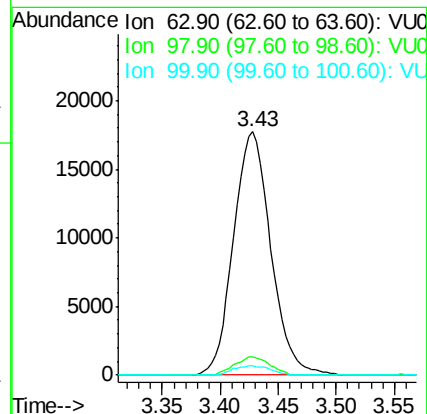
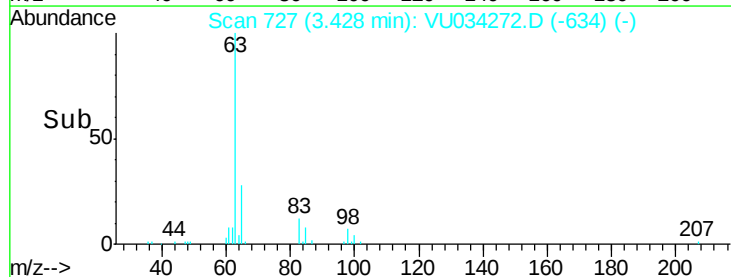
Abundance Ion 62.90 (62.60 to 63.60): VU034272.D (-634) (-)

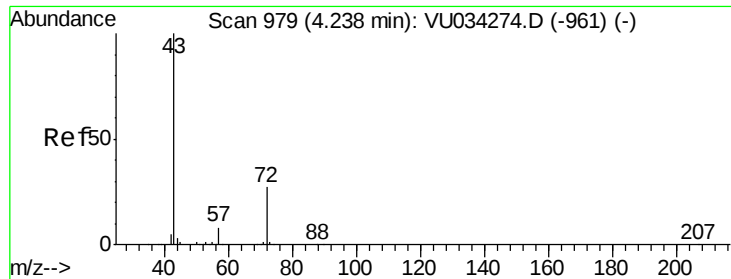
Ion 97.90 (97.60 to 98.60): VU034272.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034272.D (-634) (-)

3.43

Time-->





#25

2-Butanone

Concen: 29.702 ug/l

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 80942

Ion Ratio Lower Upper

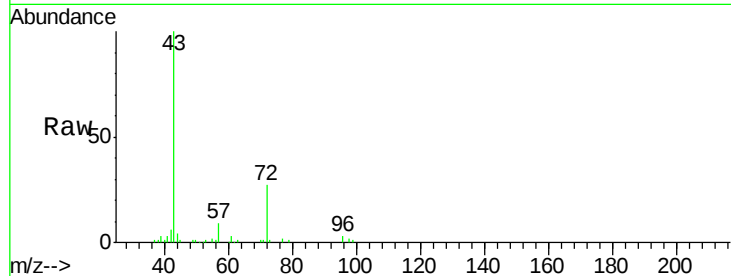
43 100

72 27.2 21.8 32.6

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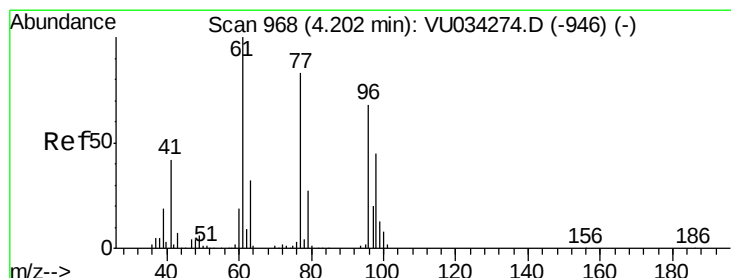
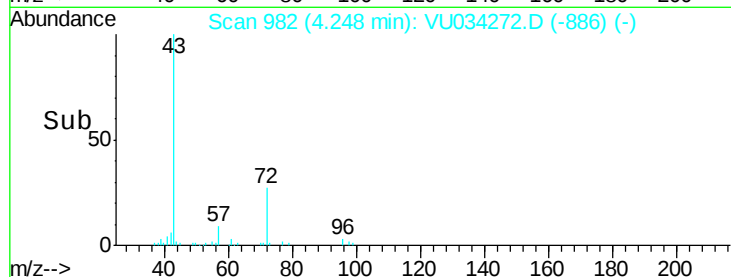
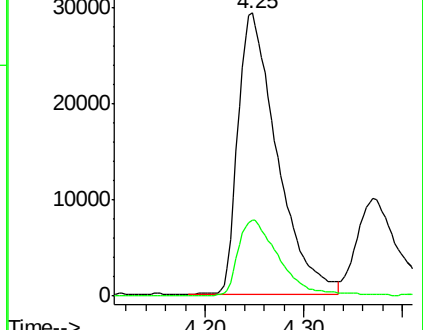
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU034272.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034272.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 6.177 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034272.D

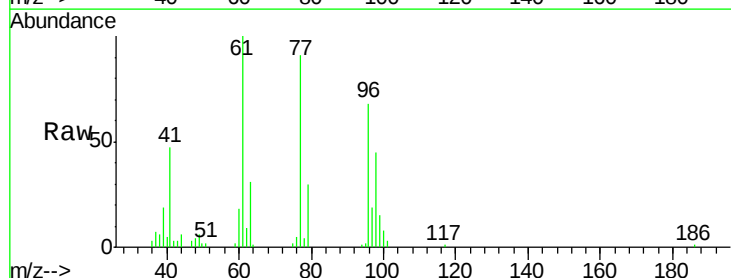
Acq: 05 Sep 2019 09:37

Tgt Ion: 77 Resp: 30621

Ion Ratio Lower Upper

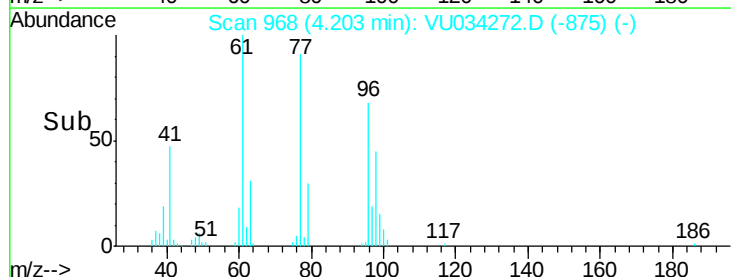
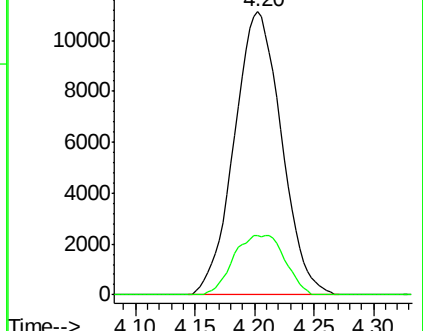
77 100

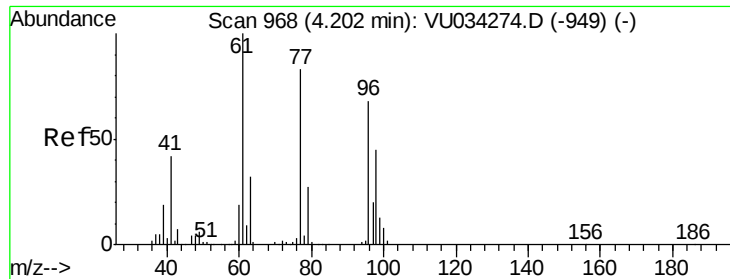
97 22.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034272.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034272.D (-946) (-)





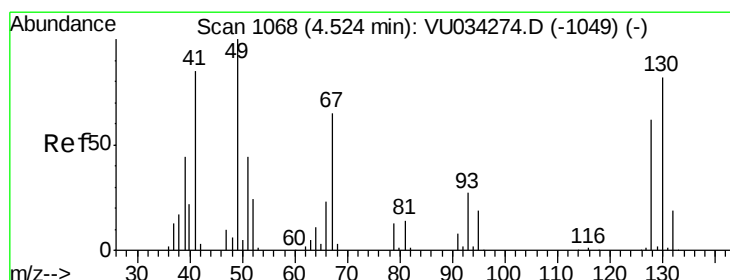
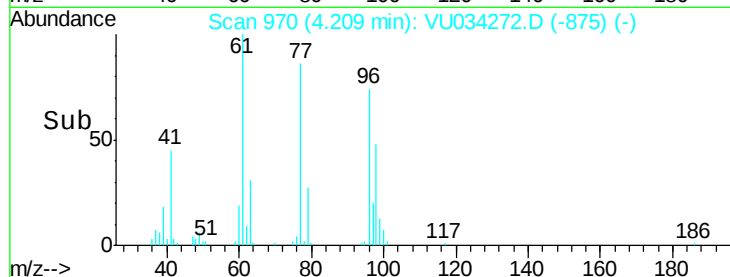
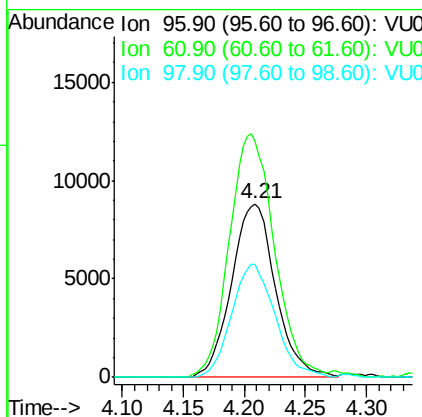
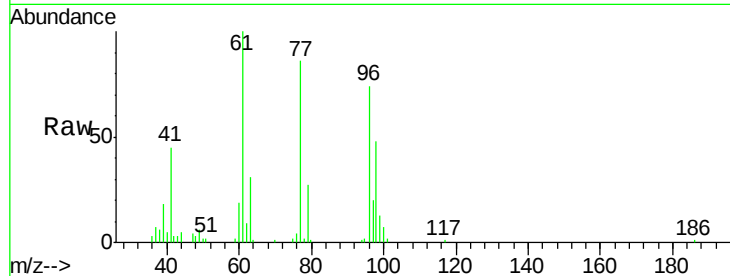
#27
 cis-1,2-Dichloroethene
 Concen: 6.063 ug/l
 RT: 4.21 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	297.4
98	64.5	0.0	130.0

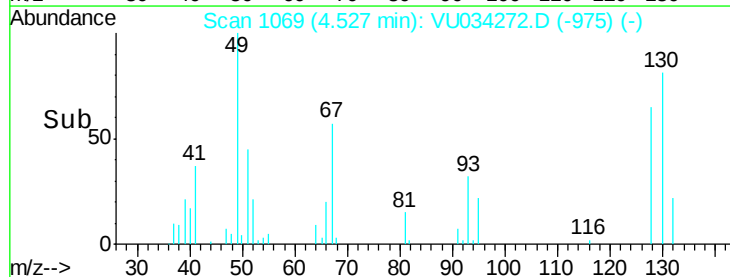
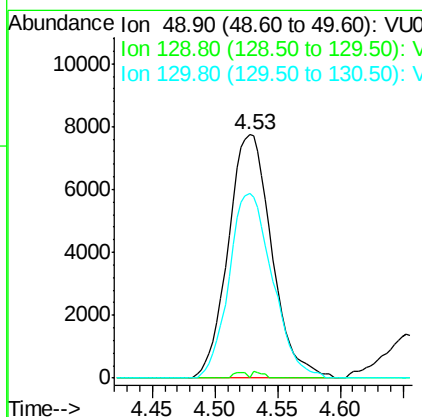
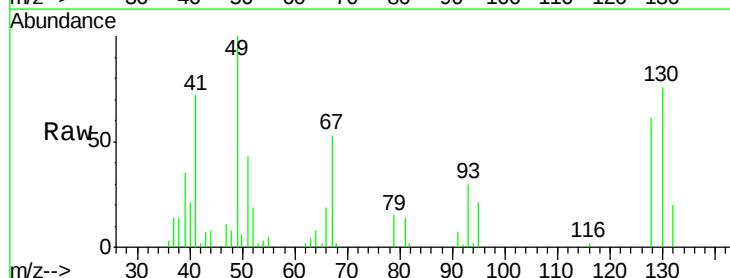
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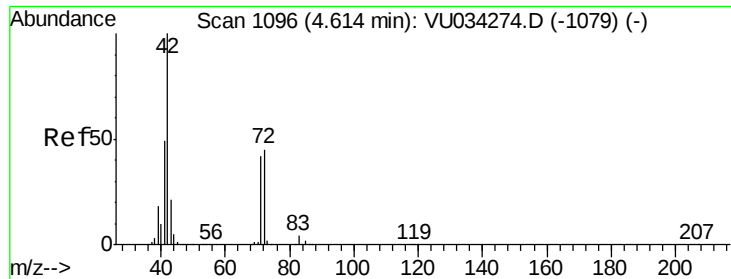
MMDadoda
 9/6/2019 3:21:26 PM



#28
 Bromochloromethane
 Concen: 6.185 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	75.7	65.2	97.8





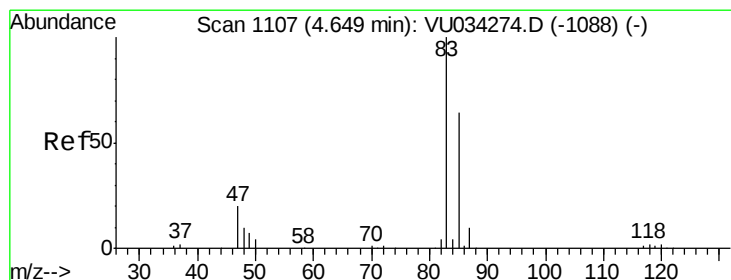
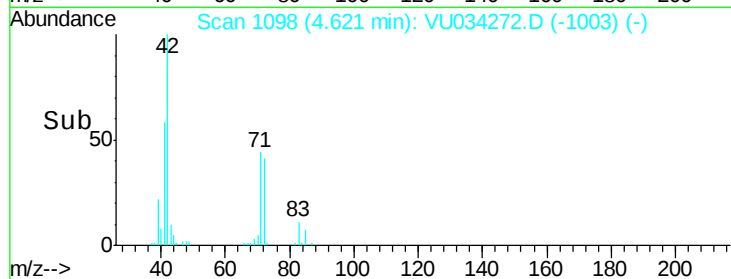
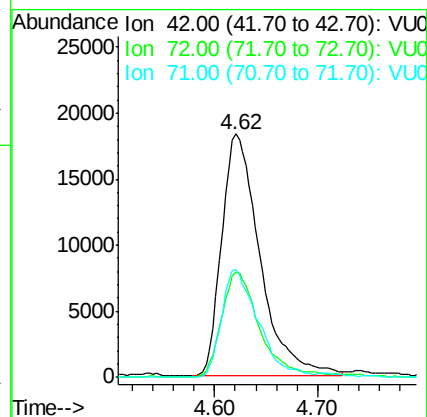
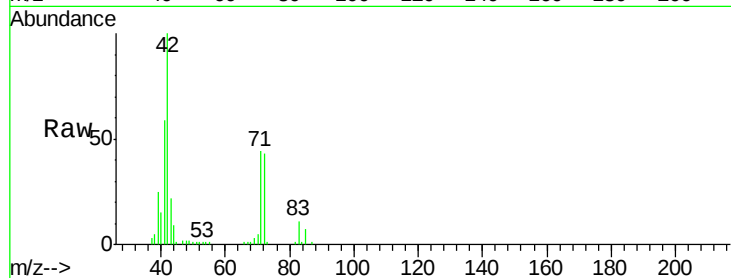
#29
Tetrahydrofuran
Concen: 28.145 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.6	54.8
71	42.6	34.3	51.5

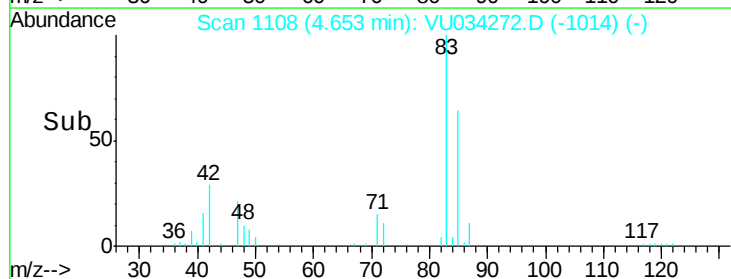
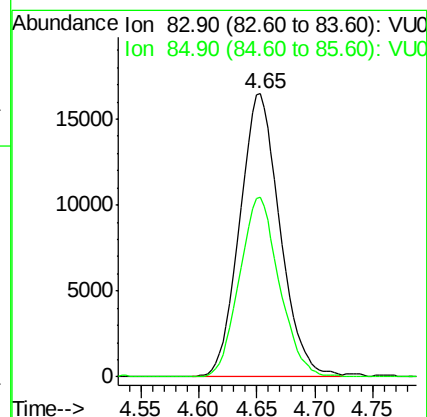
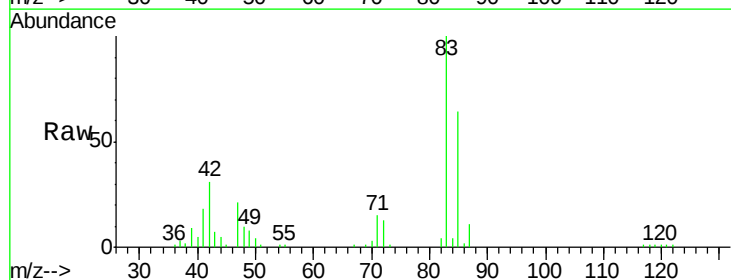
Manual Integrations
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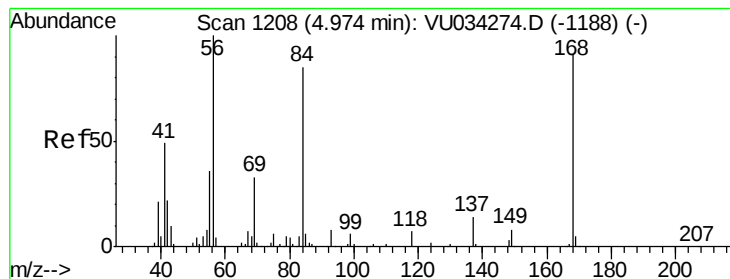
MMDadoda
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#30
Chloroform
Concen: 6.488 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3





#31

Cyclohexane

Concen: 5.679 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 31201

Ion Ratio Lower Upper

56 100

69 50.8 26.7 40.1#

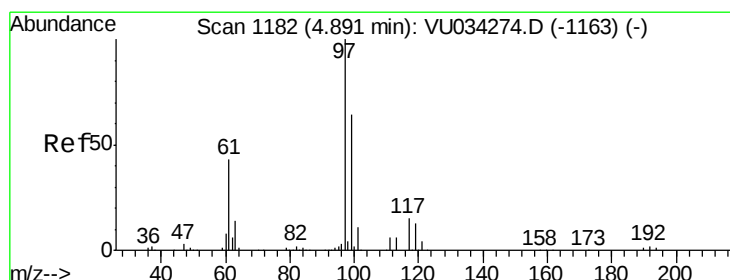
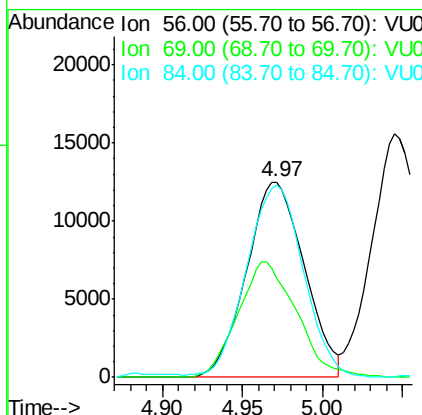
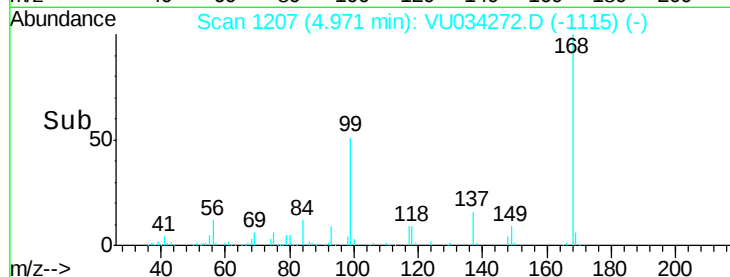
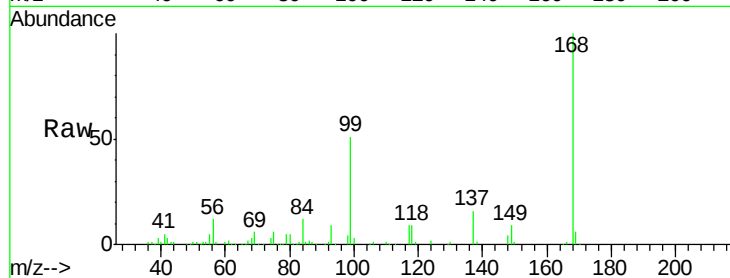
84 97.0 68.2 102.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 6.403 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

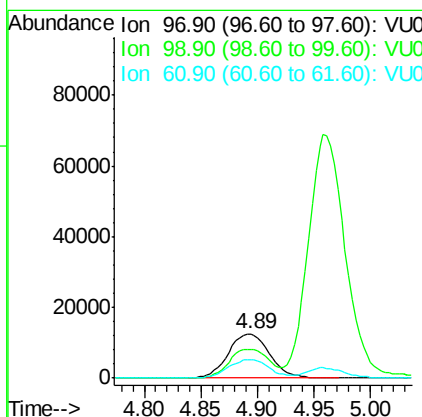
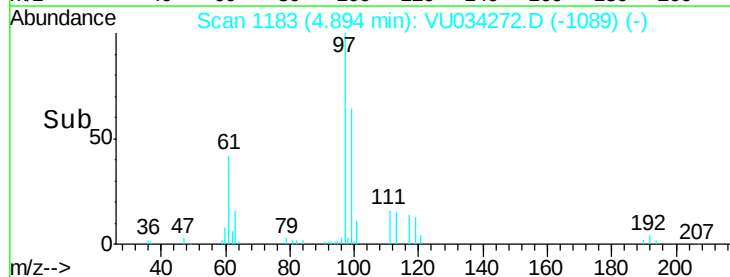
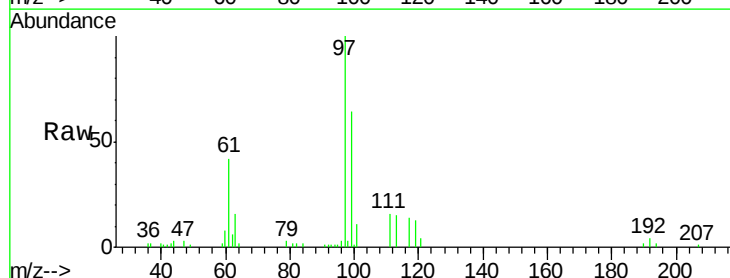
Tgt Ion: 97 Resp: 31941

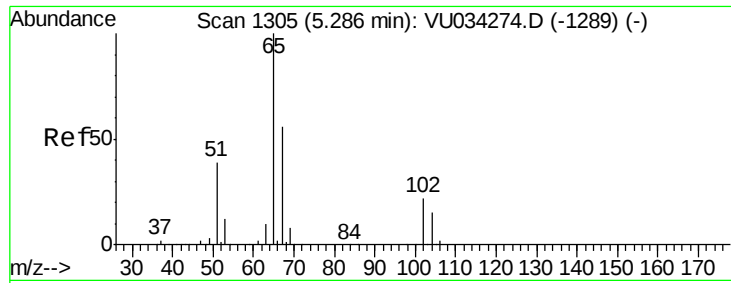
Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

61 41.5 34.7 52.1





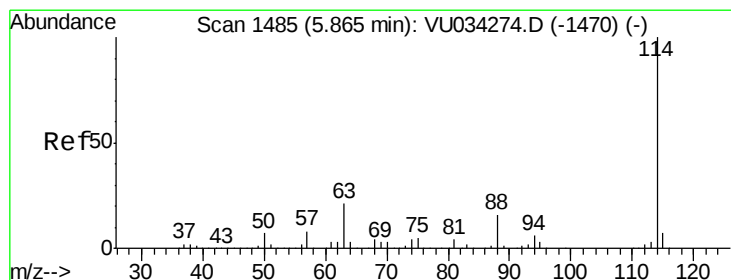
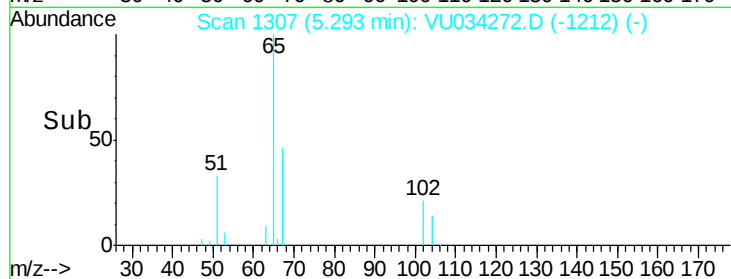
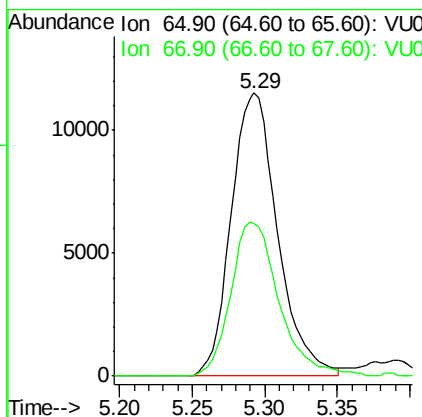
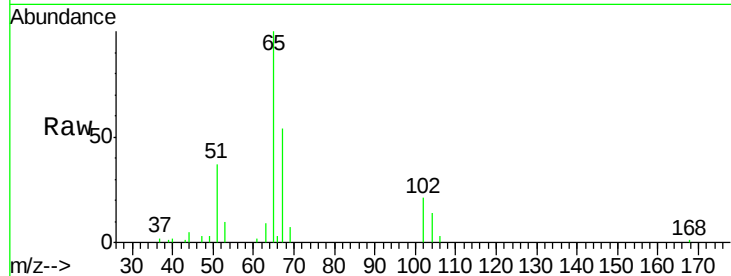
#33
 1,2-Dichloroethane-d4
 Concen: 6.541 ug/l
 RT: 5.29 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	25628		
67	56.6	0.0	112.4	

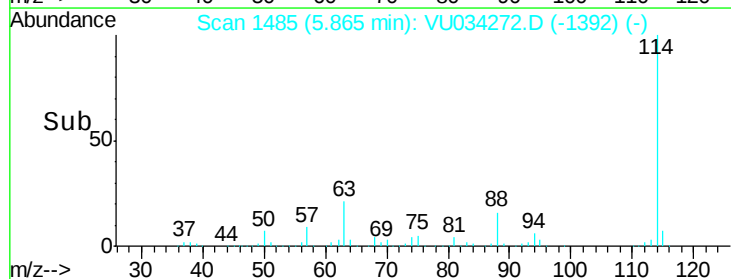
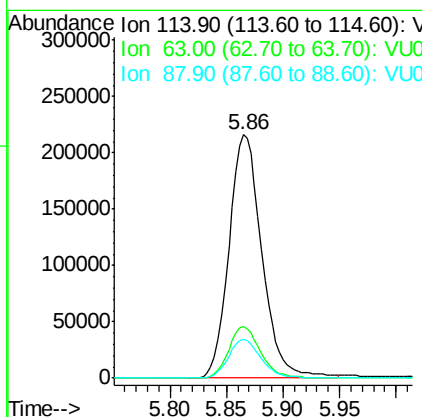
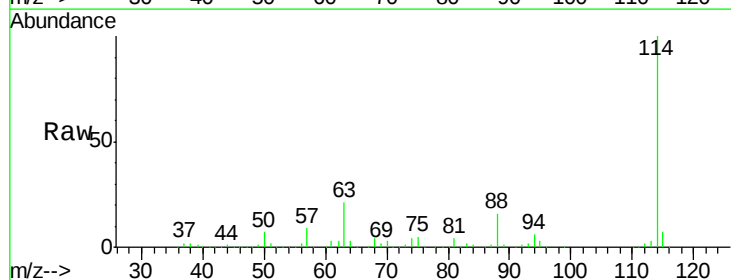
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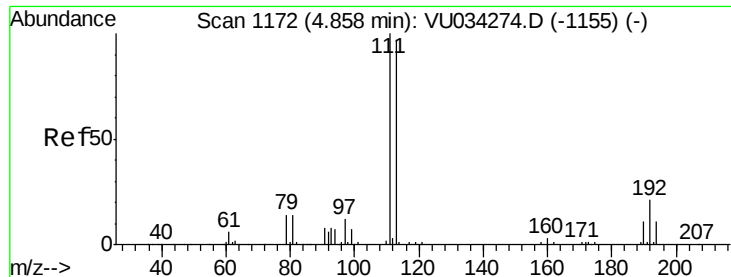
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437791		
63	21.3	0.0	42.4	
88	15.9	0.0	32.4	





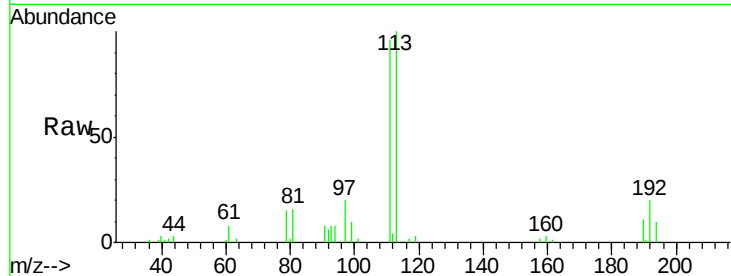
#35
 Dibromofluoromethane
 Concen: 7.657 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

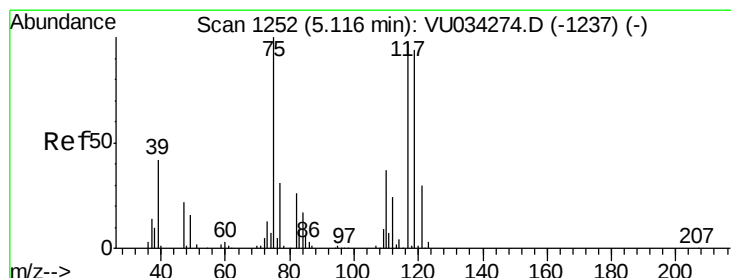
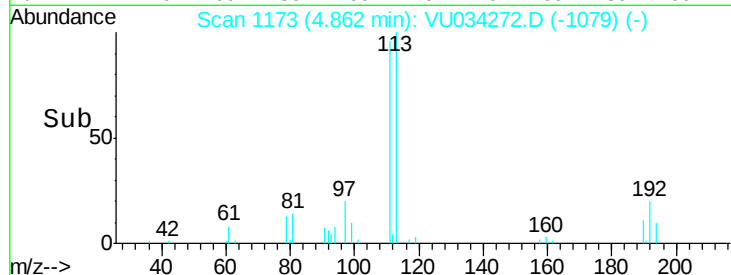
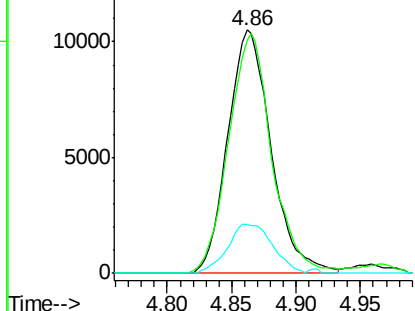
Tot Ion	Ratio	Resp	Lower	Upper
113	100	24581		
111	97.9		81.5	122.3
192	20.9		17.8	26.8

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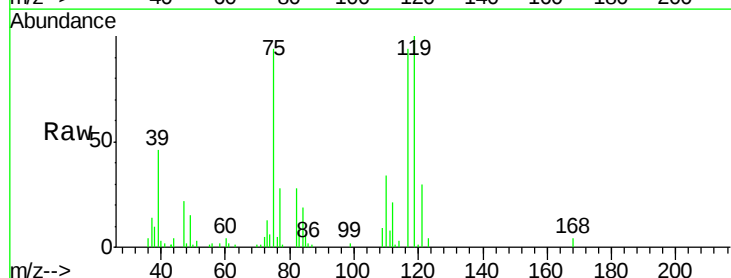


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

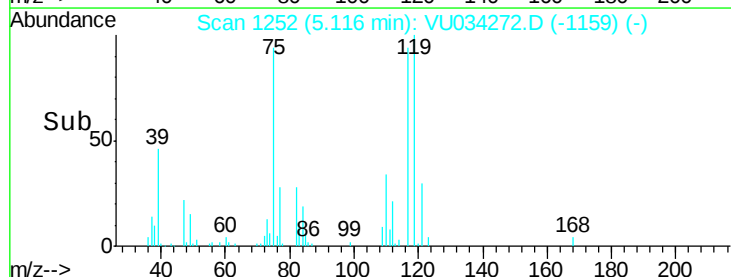
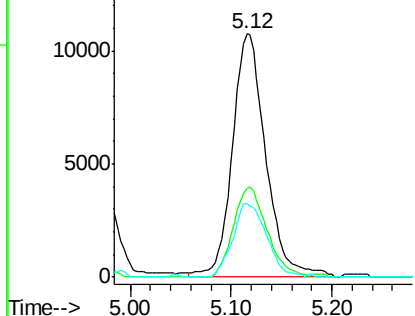


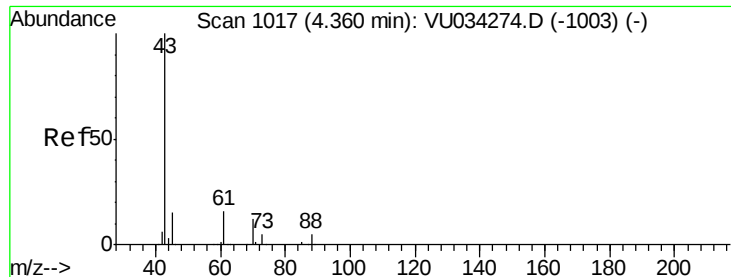
#36
 1,1-Dichloropropene
 Concen: 5.964 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24730		
110	37.2		18.3	54.9
77	30.5		24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





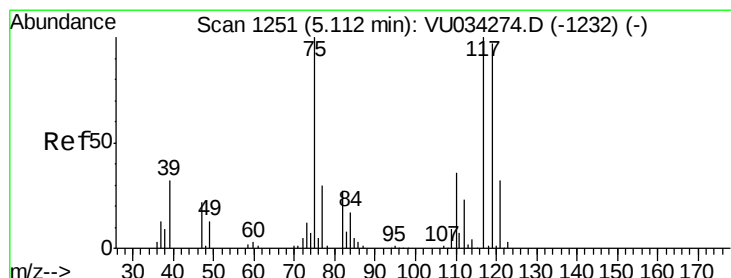
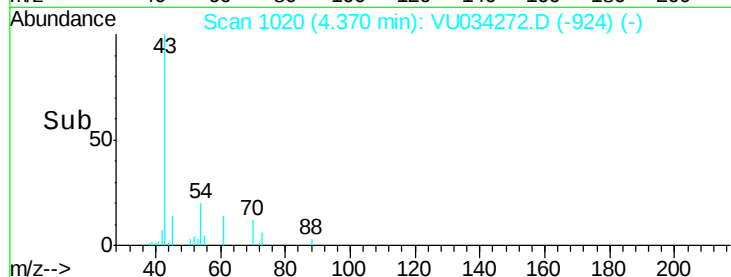
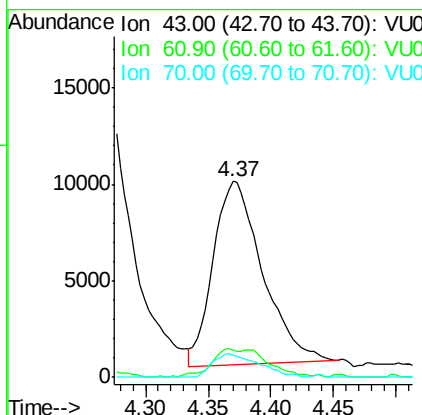
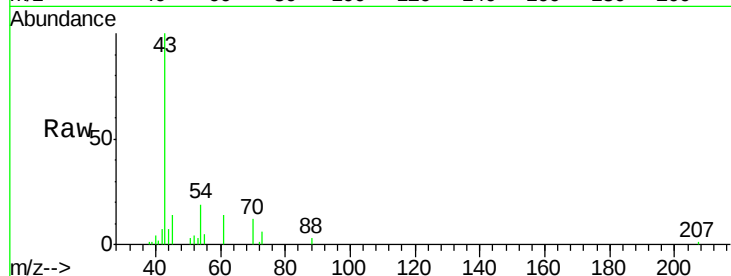
#37
Ethyl Acetate
Concen: 5.502 ug/l
RT: 4.37 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	8.3	12.3	18.5#
70	12.3	9.1	13.7

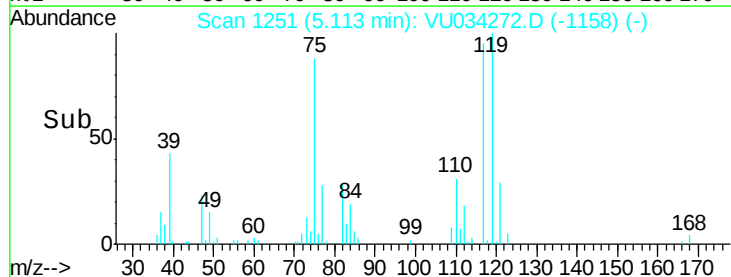
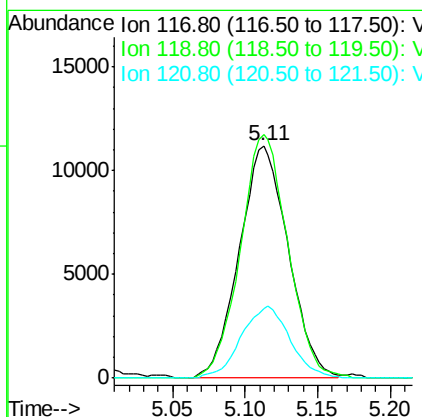
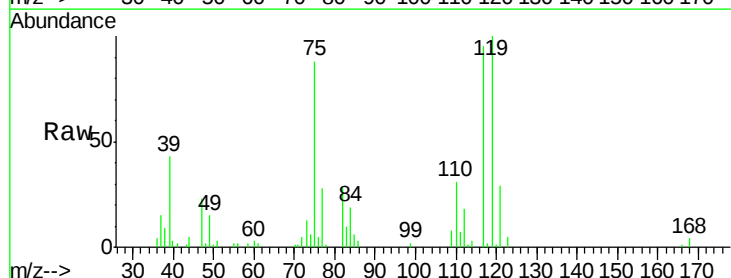
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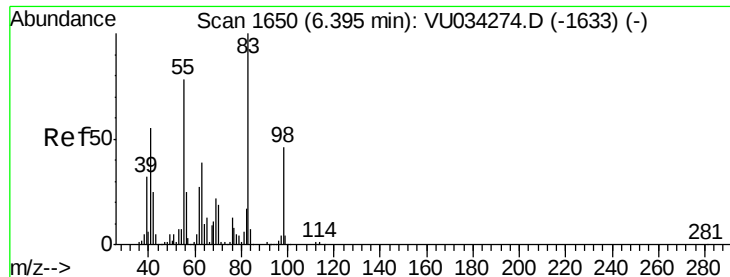
MMDadoda
9/6/2019 3:21:26 PM



#38
Carbon Tetrachloride
Concen: 6.470 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.7	77.8	116.6
121	29.9	25.2	37.8





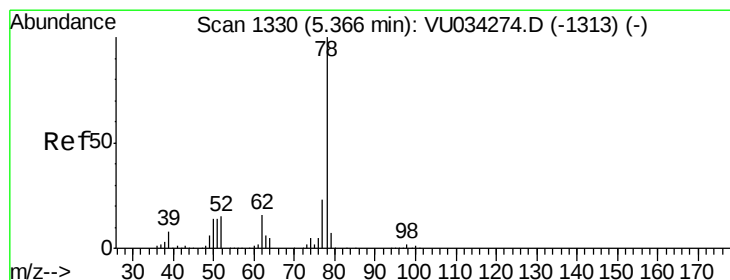
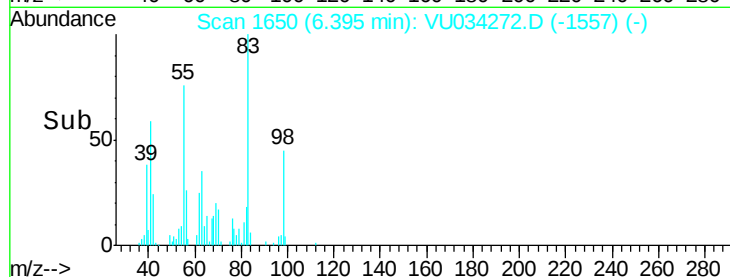
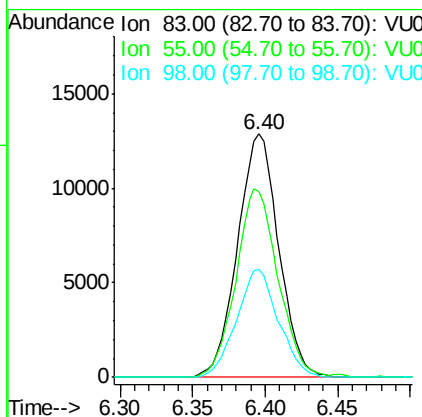
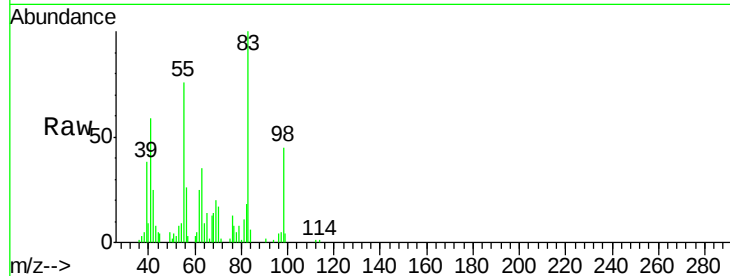
#39
Methvlcvclohexane
Concen: 5.298 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.1	93.1
98	44.5	37.0	55.6

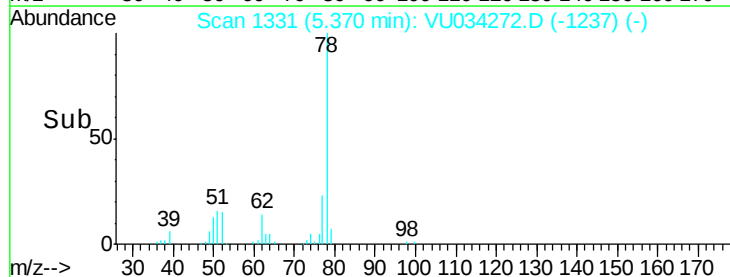
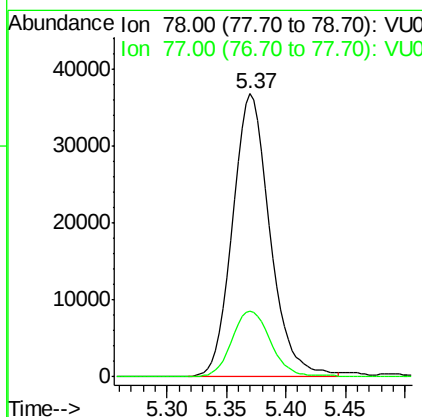
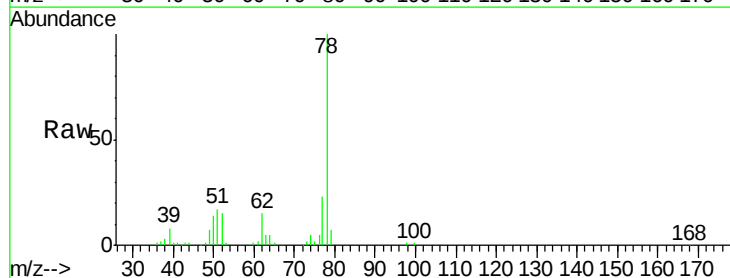
Manual Integrations
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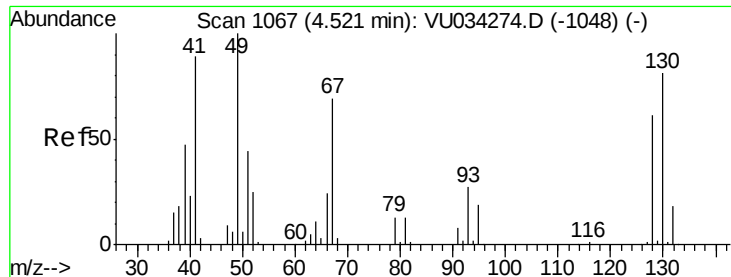
MMDadoda
9/6/2019 3:21:26 PM



#40
Benzene
Concen: 6.314 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





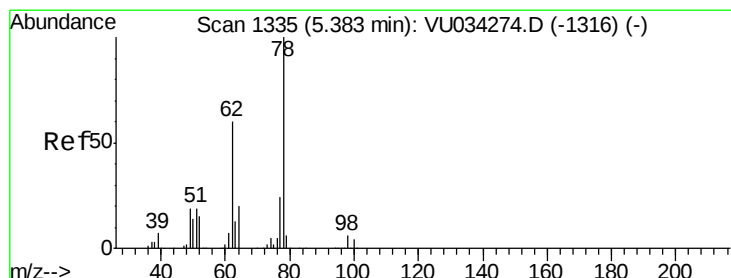
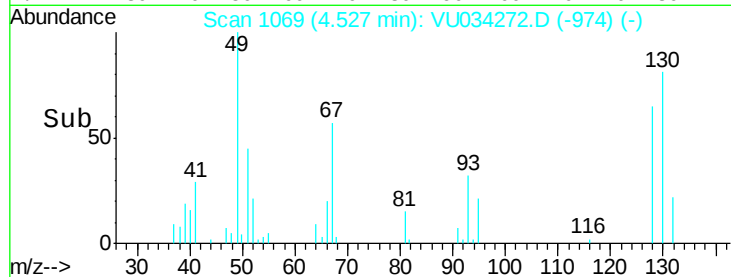
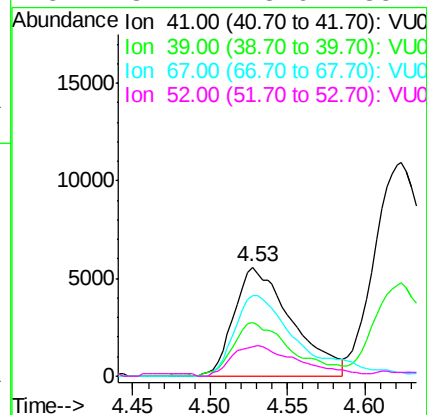
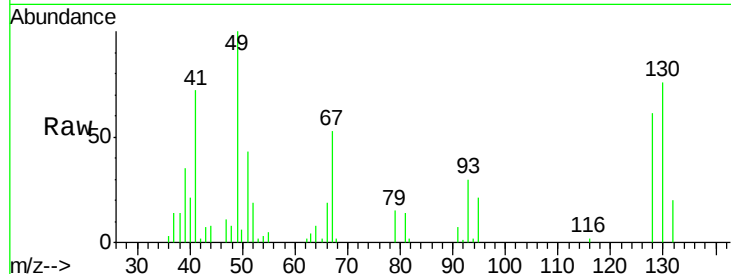
#41
Methacrylonitrile
Concen: 5.937 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	41.0	61.4	
67	81.9	62.4	93.6	
52	32.2	23.6	35.4	

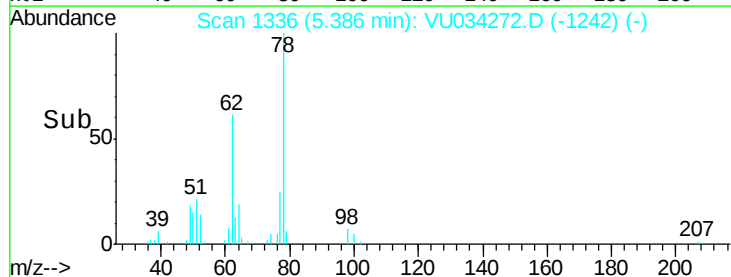
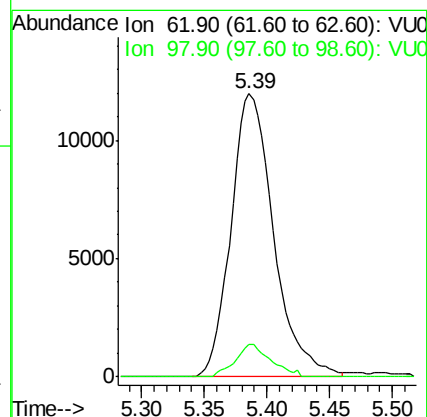
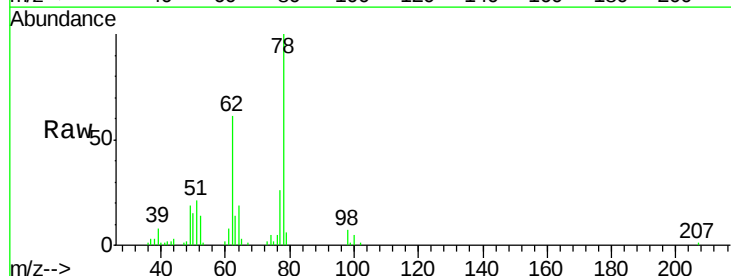
Manual Integrations
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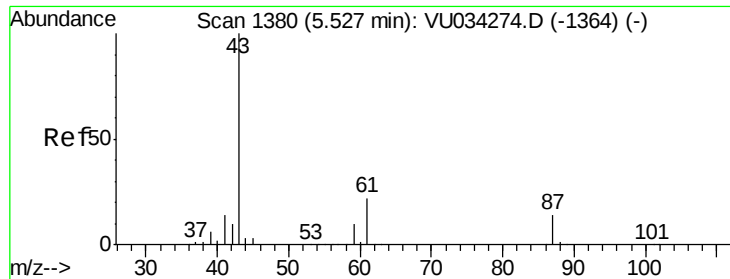
MMDadoda
9/6/2019 3:21:26 PM



#42
1,2-Dichloroethane
Concen: 6.454 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.0	





#43

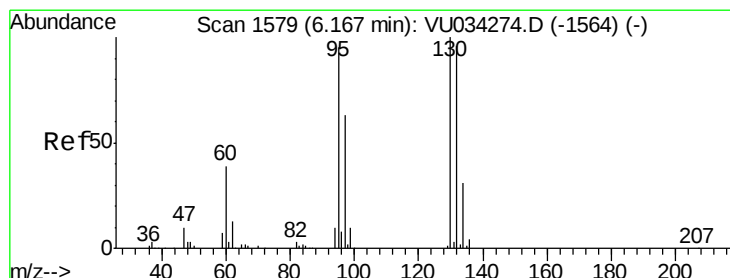
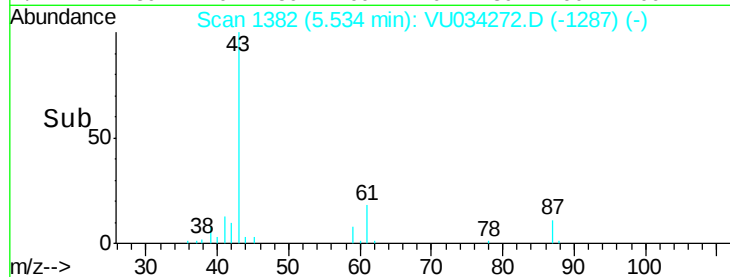
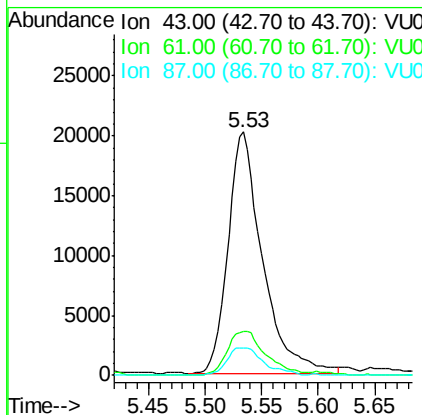
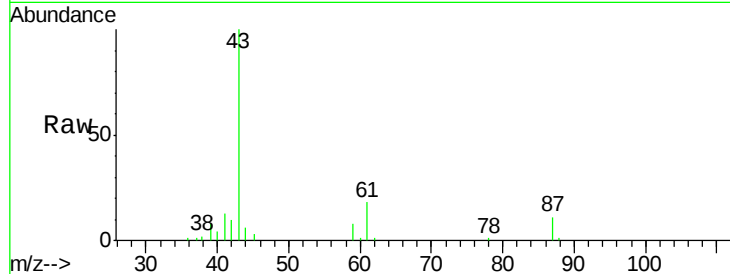
Isopropyl Acetate
 Concen: 5.963 ug/l
 RT: 5.53 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	17.1	25.7
87	12.4	11.1	16.7

Manual Integrations
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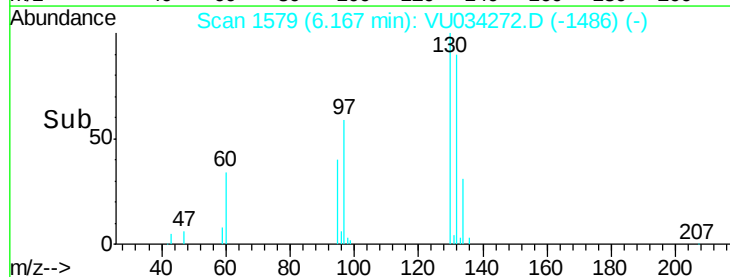
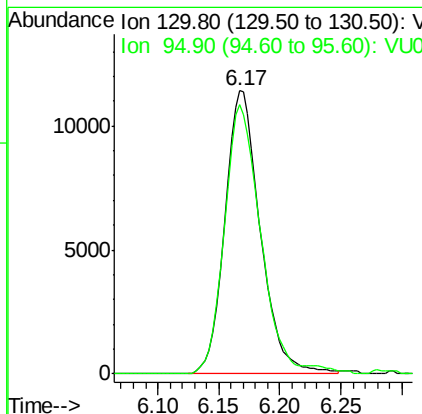
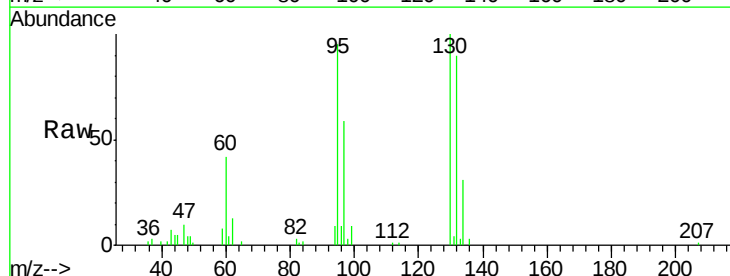
MMDadoda
 9/6/2019 3:21:26 PM

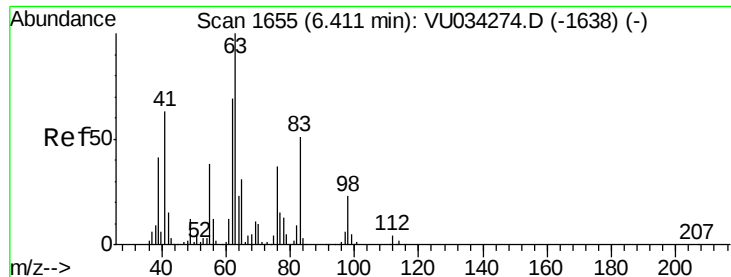


#44

Trichloroethene
 Concen: 6.852 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	189.2





#45

1,2-Dichloropropane

Concen: 6.640 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 23466

Ion Ratio Lower Upper

63 100

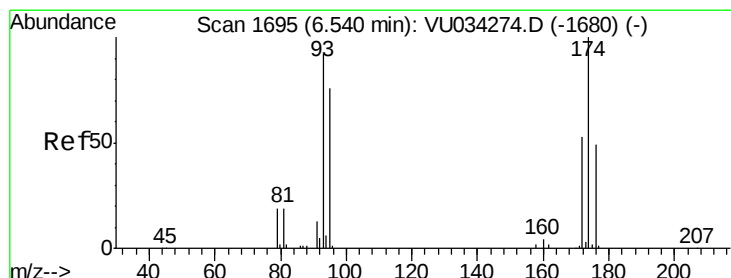
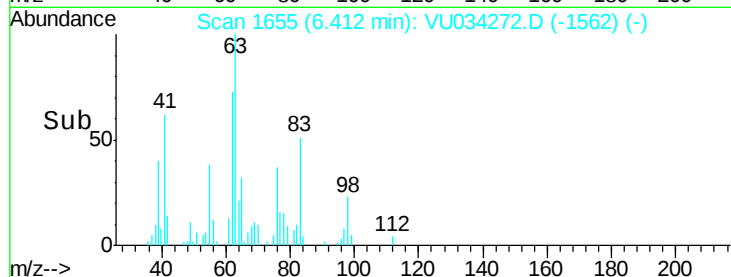
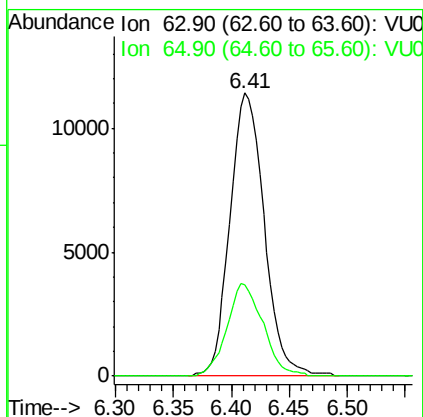
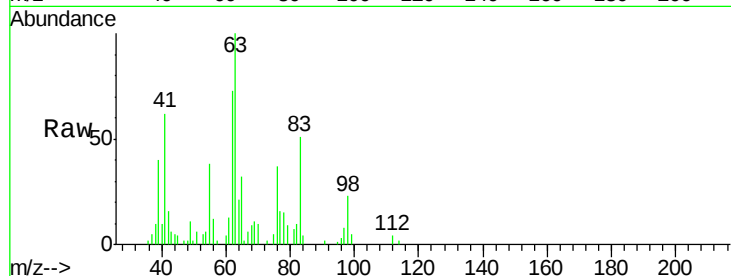
65 32.3 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 6.612 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

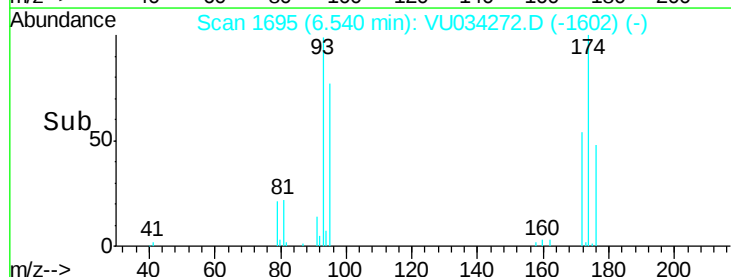
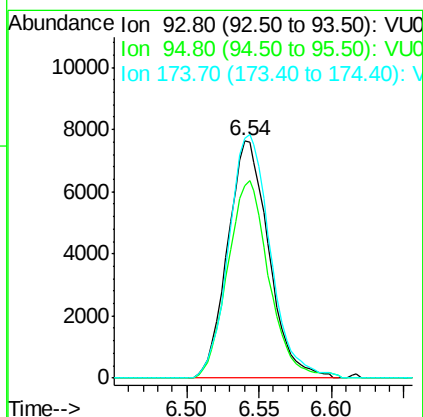
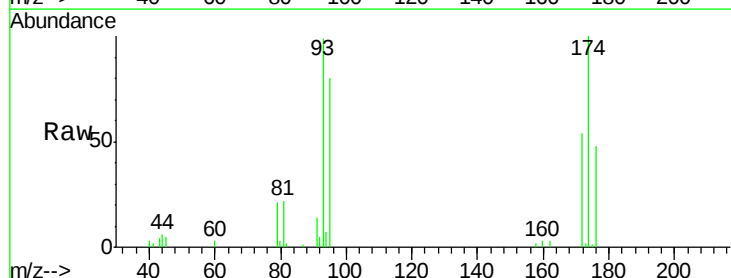
Tgt Ion: 93 Resp: 15033

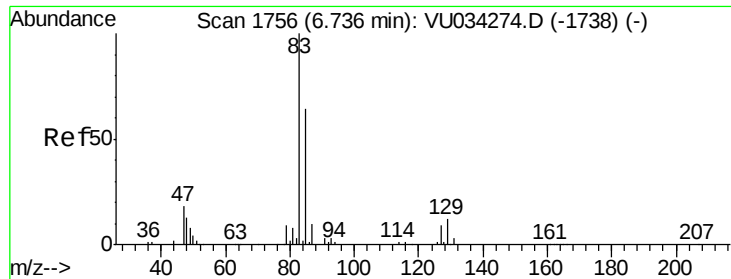
Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 103.9 87.8 131.6





#47

Bromodichloromethane

Concen: 6.619 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

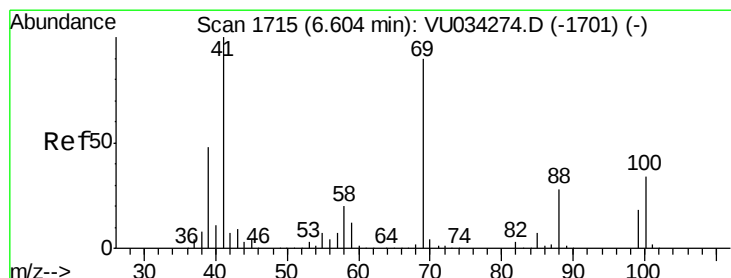
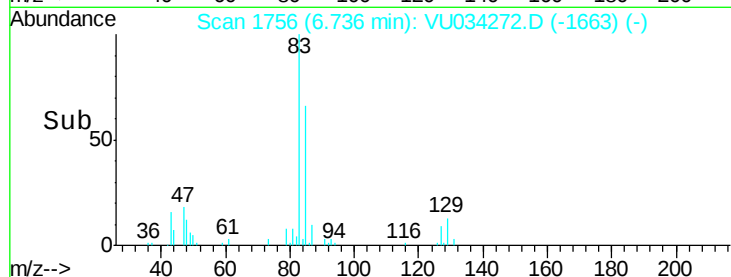
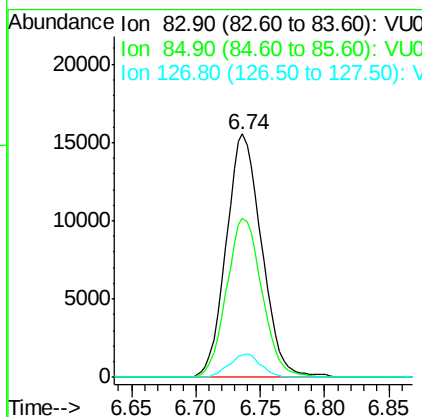
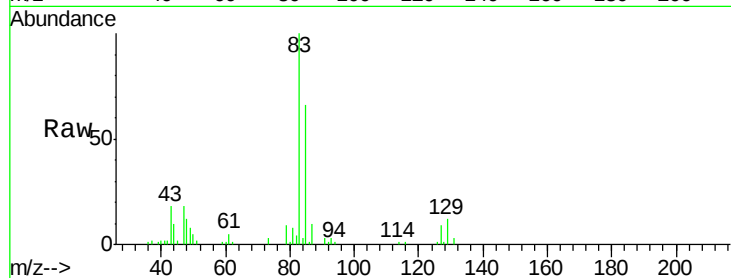
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29674
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.231 ug/l

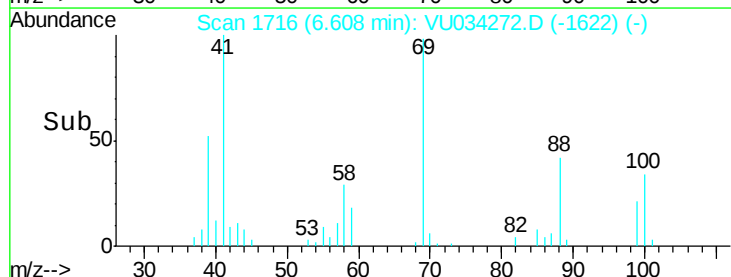
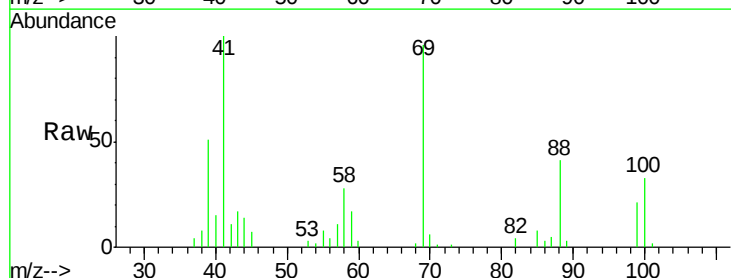
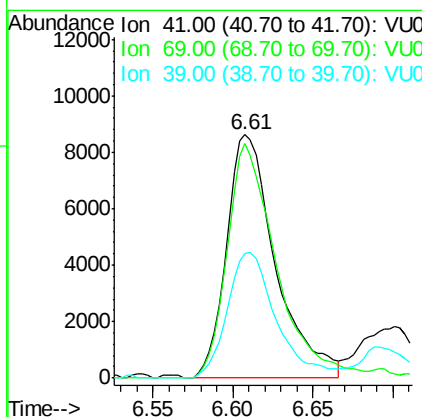
RT: 6.61 min Scan# 1716

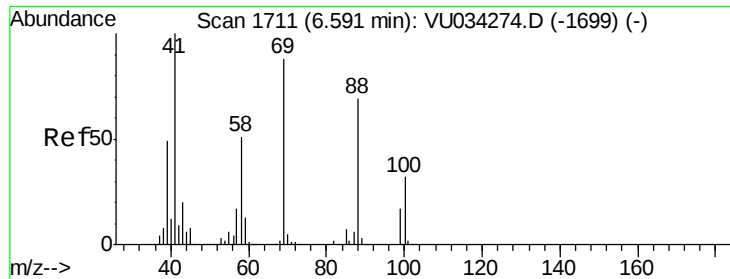
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	41	Resp:	18044
Ion	Ratio	Lower	Upper
41	100		
69	96.9	72.8	109.2
39	51.2	38.6	58.0





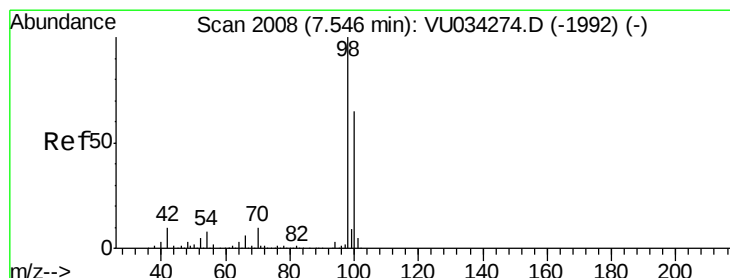
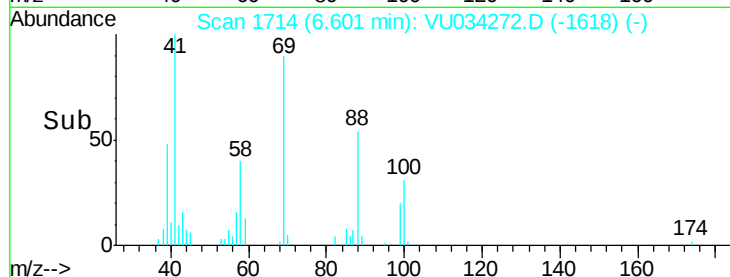
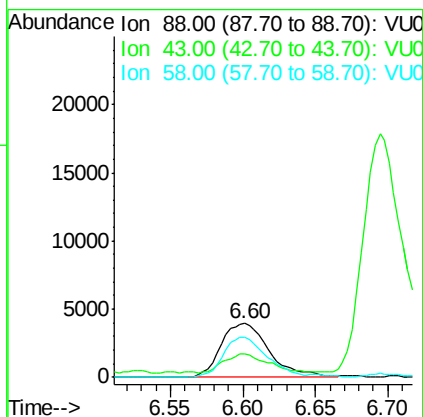
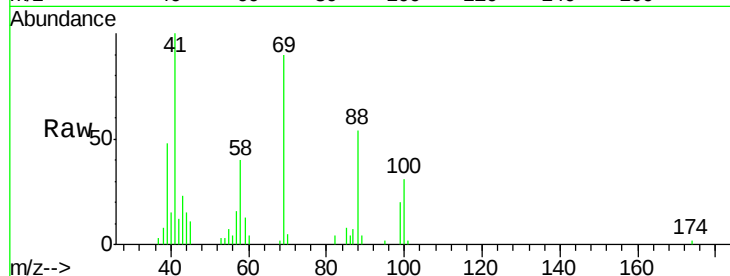
#49
1,4-Dioxane
Concen: 108.092 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.8	35.6
58	66.6	58.4	87.6

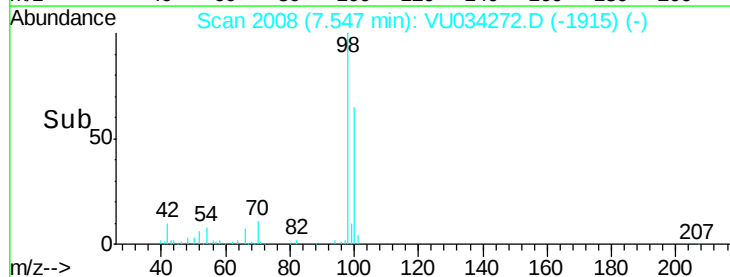
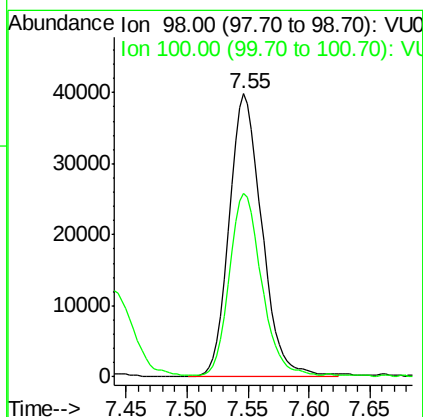
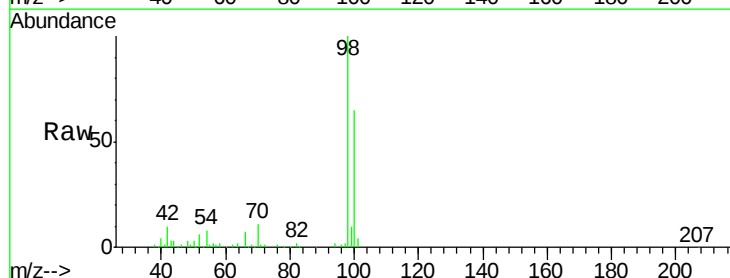
Manual Integrations
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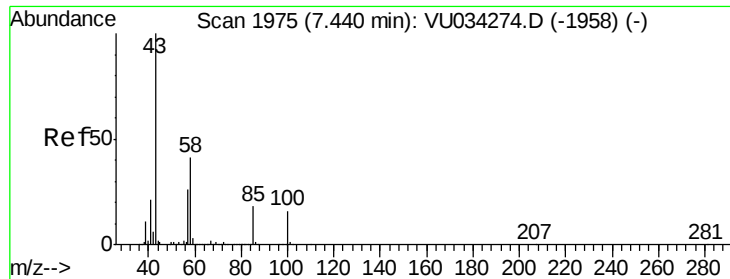
MMDadoda
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#50
Toluene-d8
Concen: 6.183 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.7	77.5





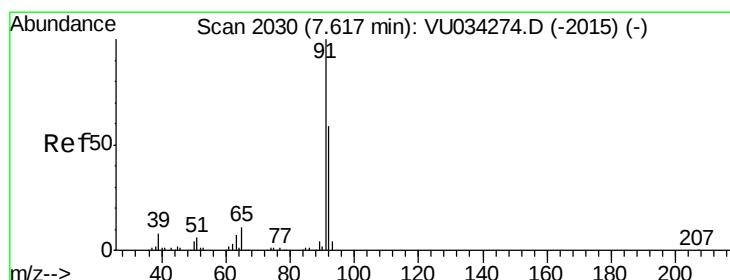
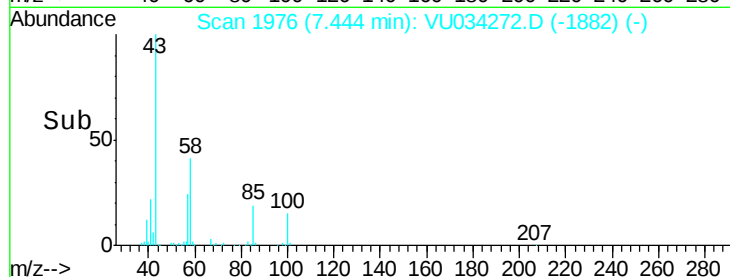
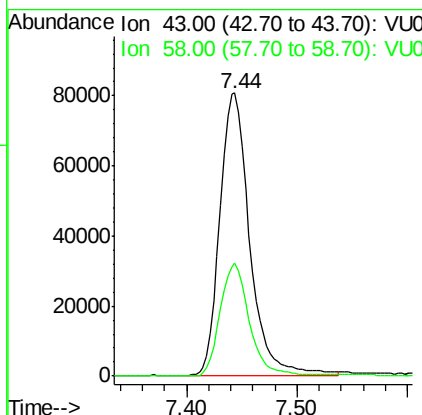
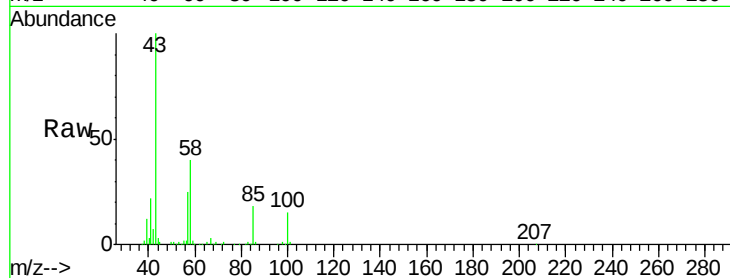
#51
 4-Methyl-2-Pentanone
 Concen: 30.256 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	33.0	49.4

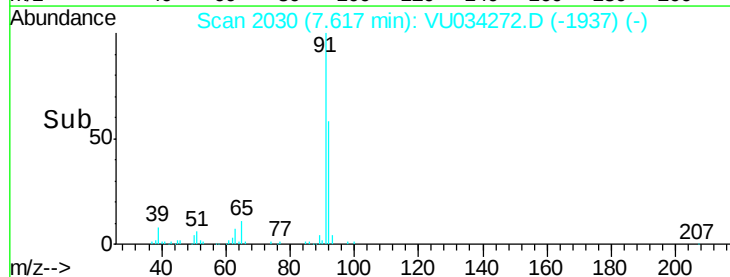
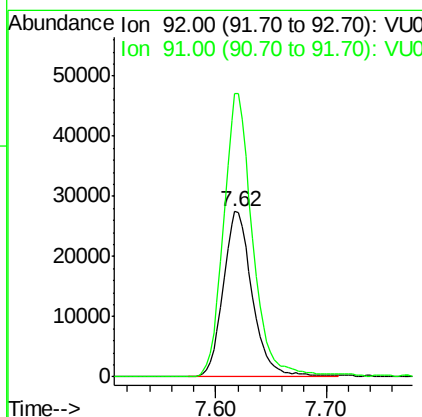
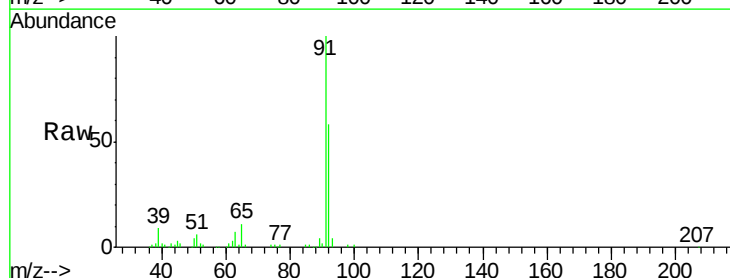
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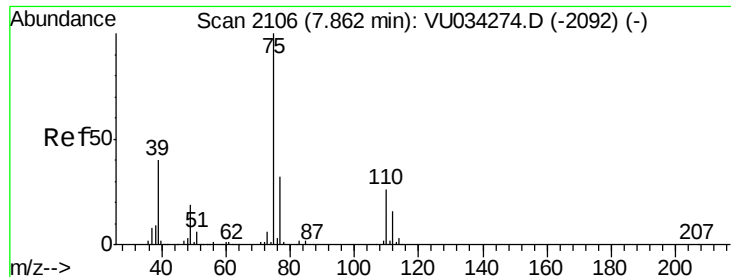
MMDadoda
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#52
 Toluene
 Concen: 6.408 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.6	205.0





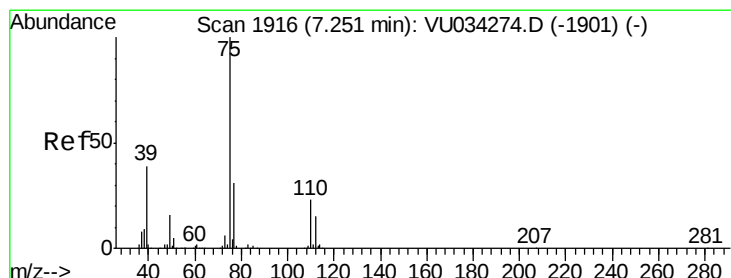
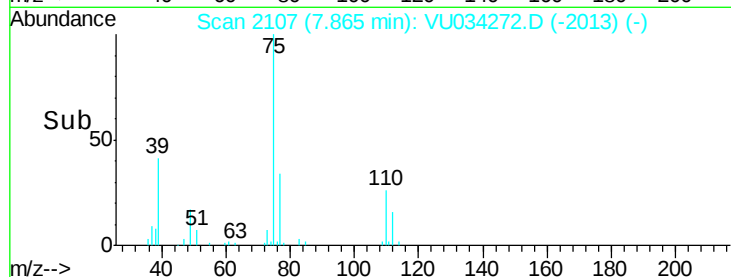
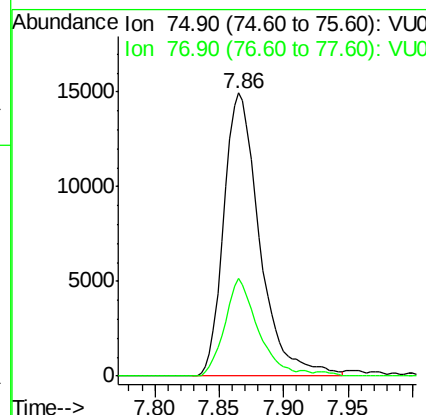
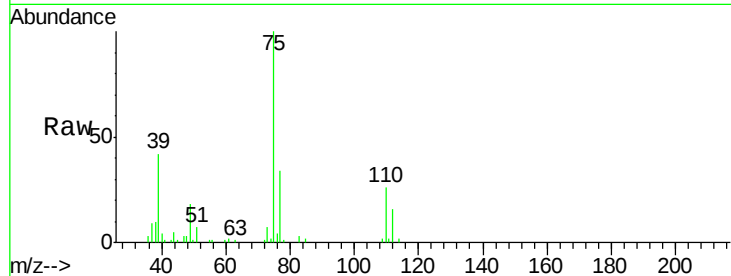
#53
t-1,3-Dichloropropene
Concen: 5.884 ug/l
RT: 7.86 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.7	38.5

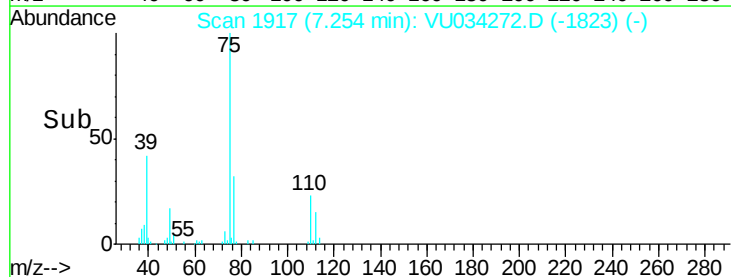
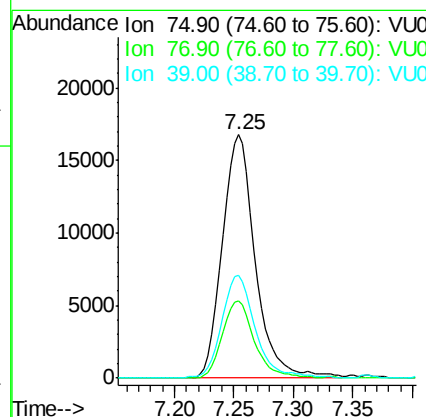
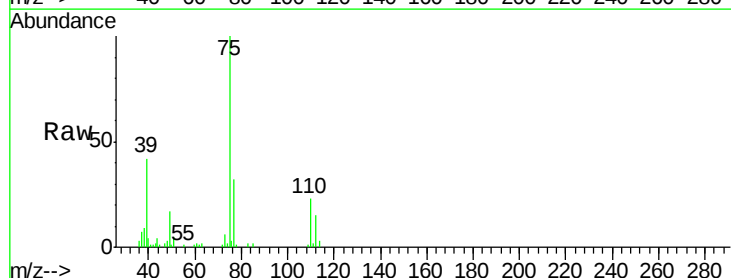
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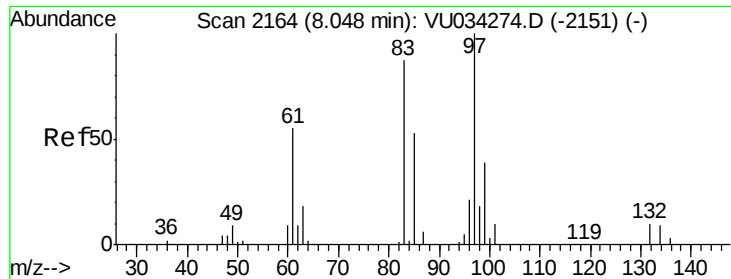
MMDadoda
9/6/2019 3:21:26 PM



#54
cis-1,3-Dichloropropene
Concen: 5.977 ug/l
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	42.5	31.2	46.8





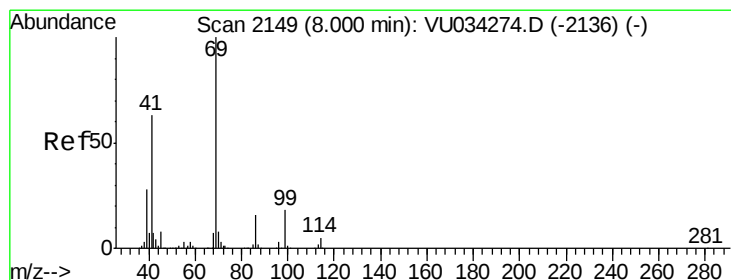
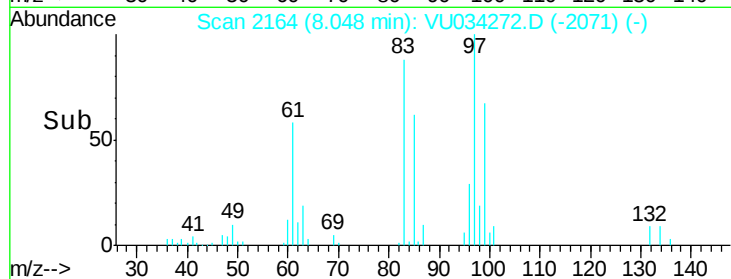
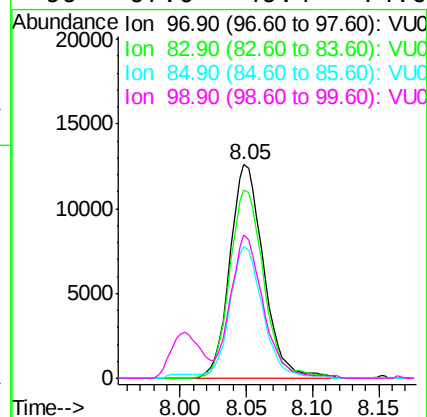
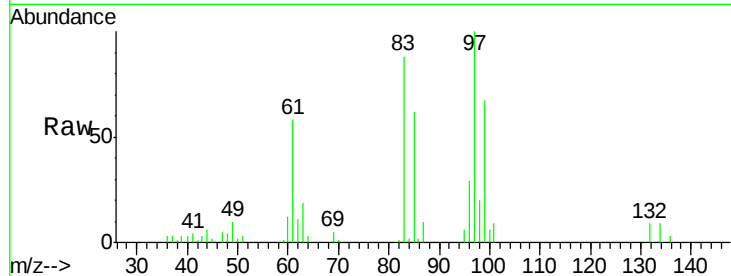
#55
 1,1,2-Trichloroethane
 Concen: 6.613 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	22332
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	61.8	44.2	66.2
99	67.0	49.4	74.0

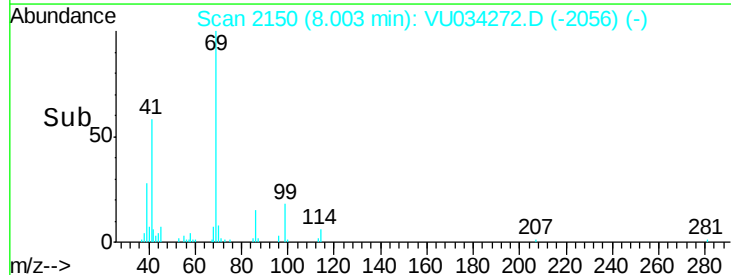
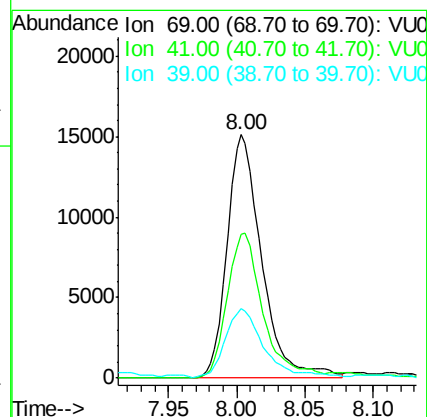
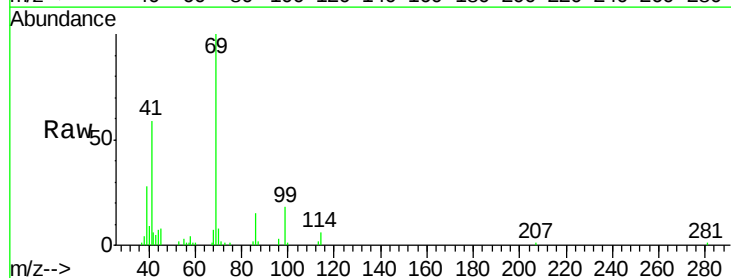
Manual Integrations
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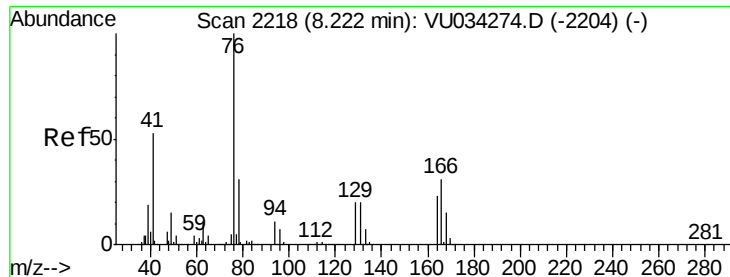
MMDadoda
 9/6/2019 3:21:26 PM



#56
 Ethyl methacrylate
 Concen: 5.354 ug/l
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion:	69	Resp:	26680
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.5	74.3
39	32.2	22.5	33.7





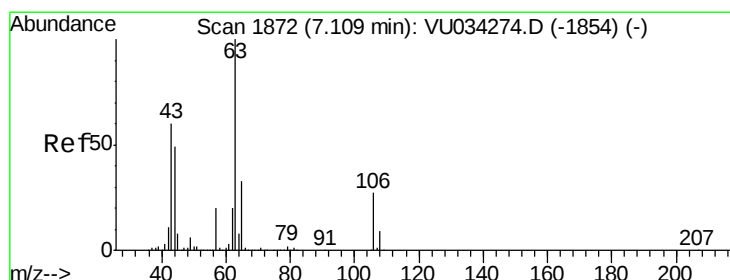
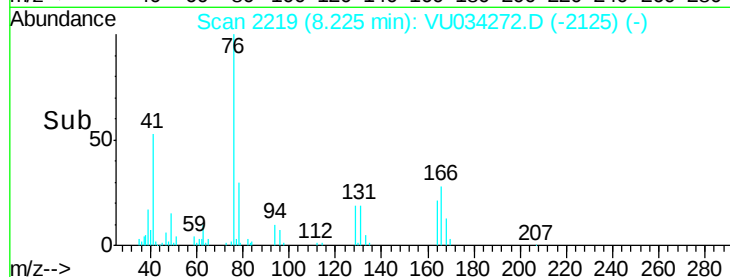
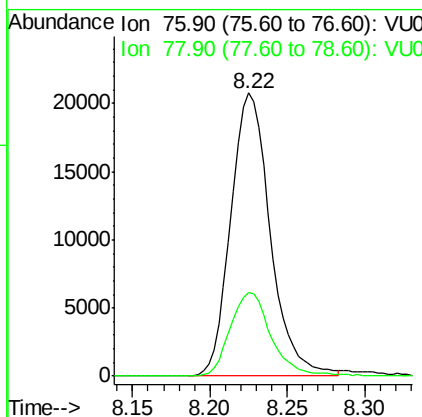
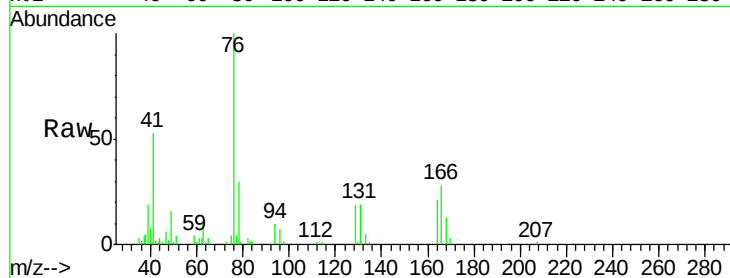
#57
 1,3-Dichloropropane
 Concen: 6.485 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.6	25.4	38.2

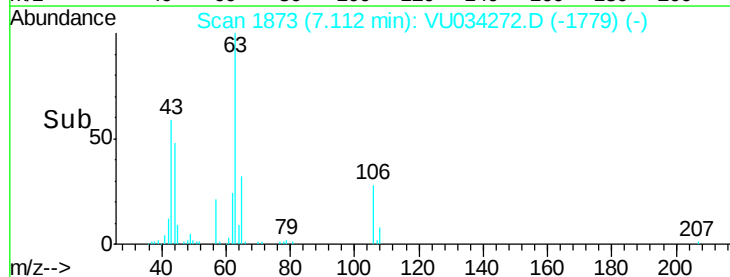
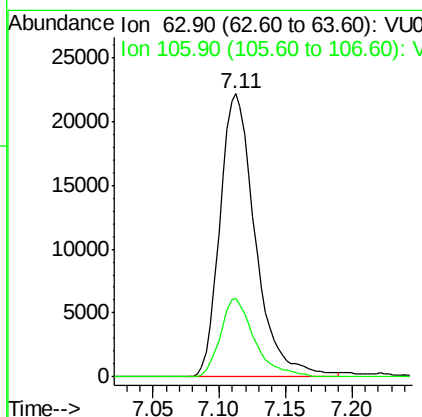
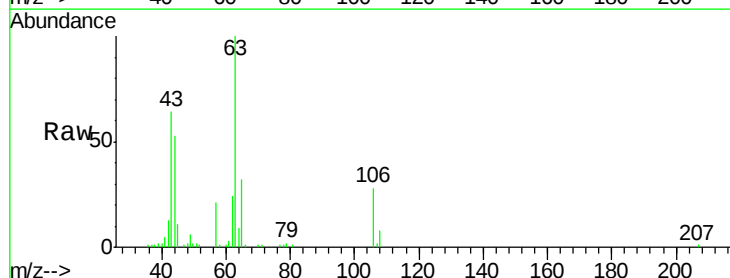
Manual Integrations
 APPROVED

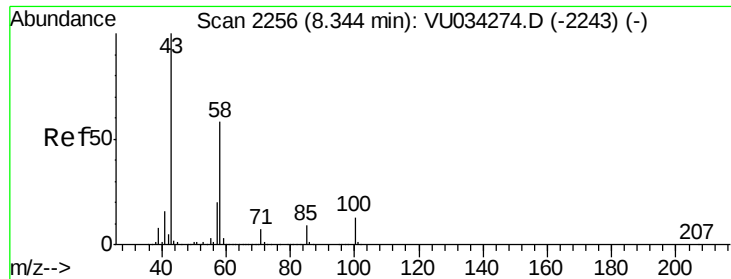
MMDadoda
 9/6/2019 3:21:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.880 ug/l
 RT: 7.11 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.6	32.4





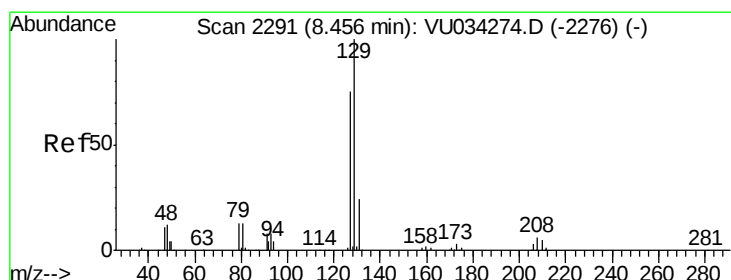
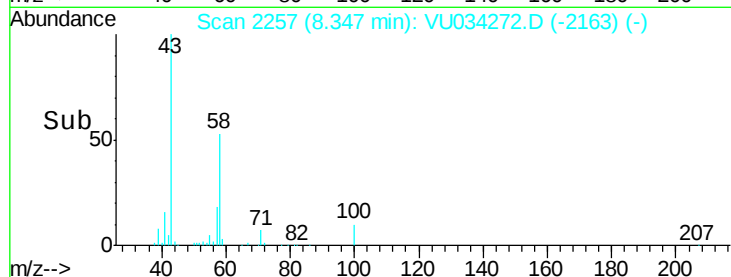
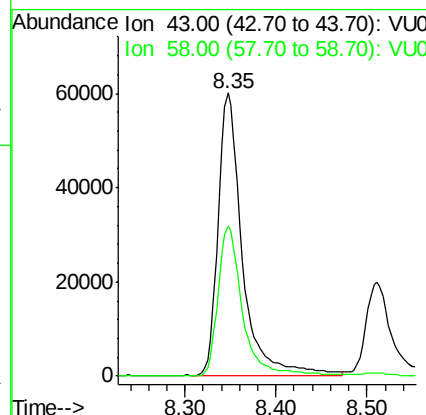
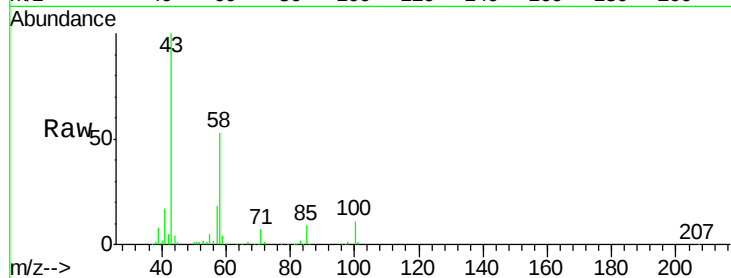
#59
2-Hexanone
Concen: 29.359 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	110460
Ion Ratio	43	100	
Lower	58	54.4	28.8
Upper			86.5

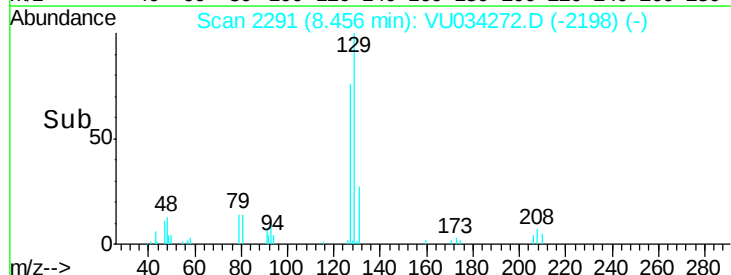
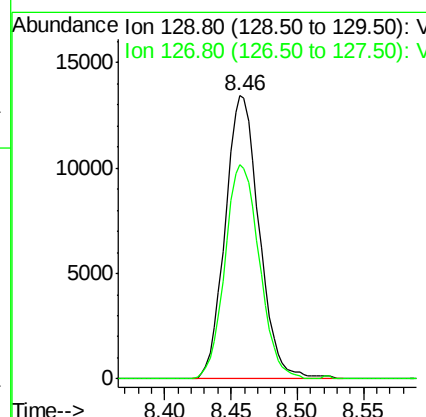
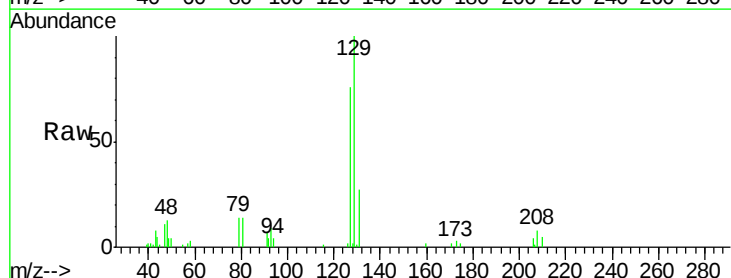
Manual Integrations
APPROVED

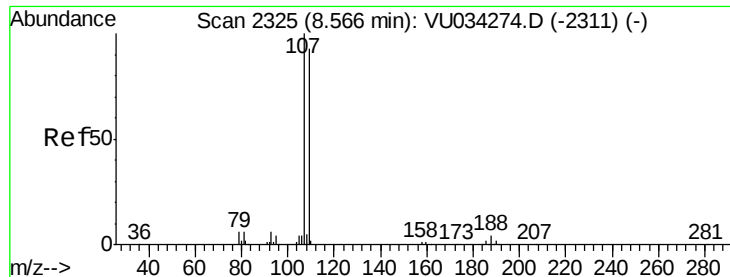
MMDadoda
9/6/2019 3:21:26 PM



#60
Dibromochloromethane
Concen: 6.579 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	129	Resp	23938
Ion Ratio	129	100	
Lower	127	76.5	37.9
Upper			113.7





#61

1,2-Dibromoethane

Concen: 6.203 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion:107 Resp: 21833

Ion Ratio Lower Upper

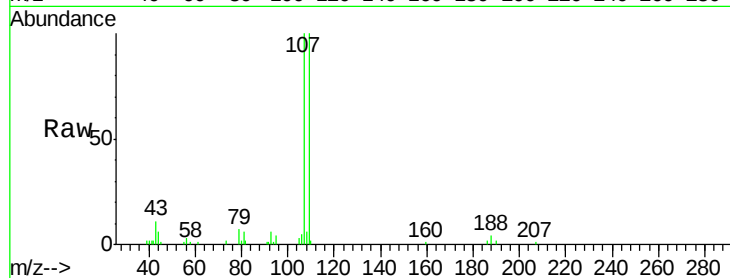
107 100

109 98.4 75.0 112.6

Manual Integrations
APPROVED

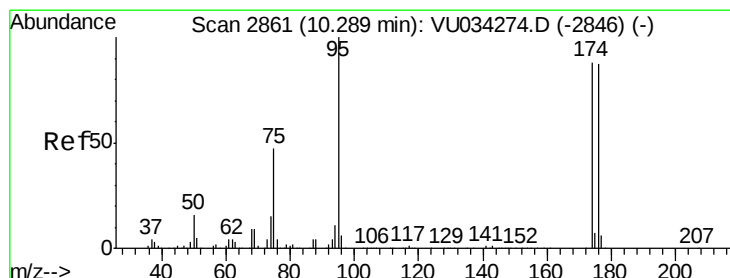
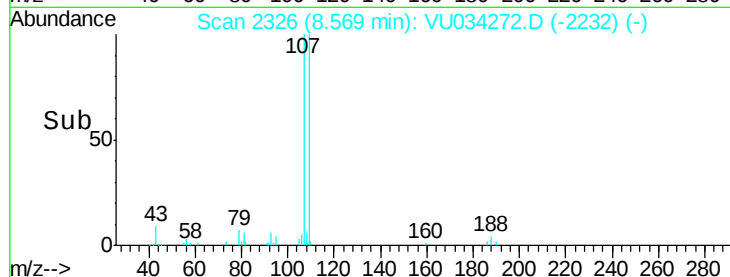
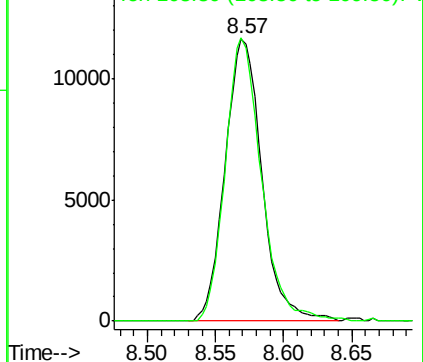
MMDadoda

9/6/2019 3:21:26 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 6.935 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

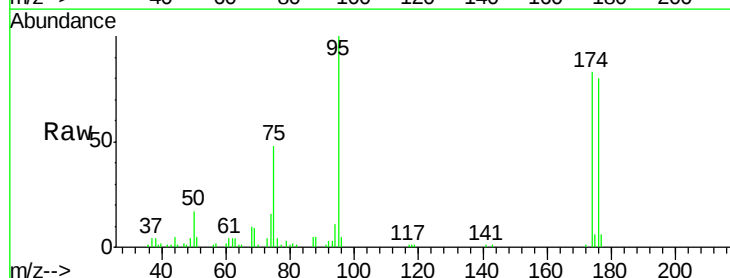
Tgt Ion: 95 Resp: 32462

Ion Ratio Lower Upper

95 100

174 84.8 0.0 175.2

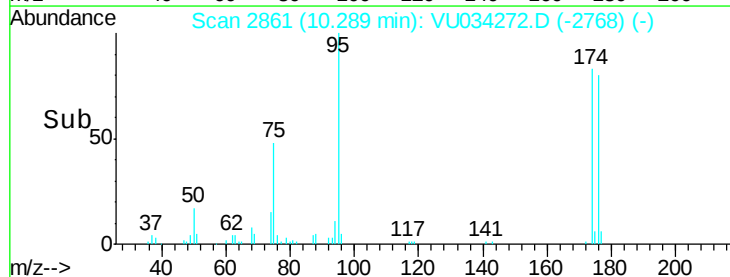
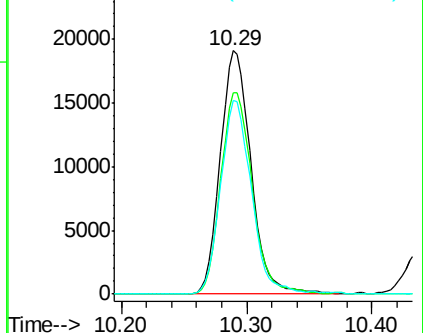
176 79.4 0.0 168.0

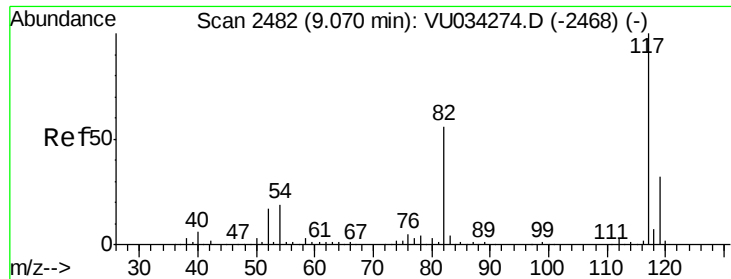


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





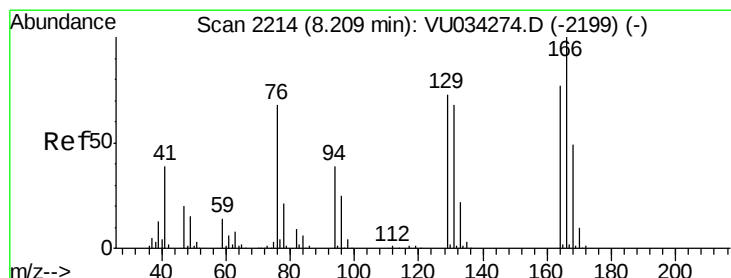
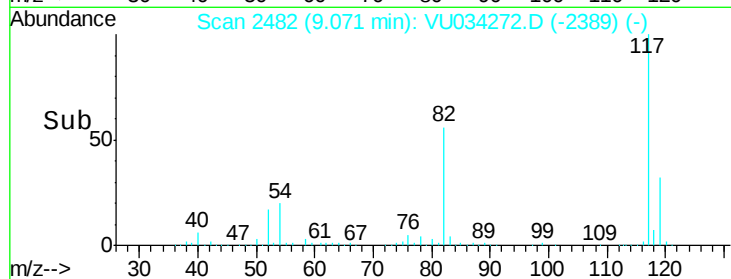
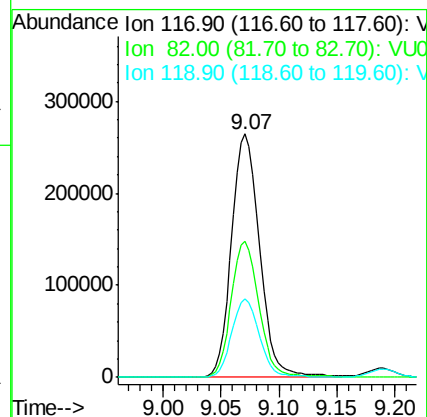
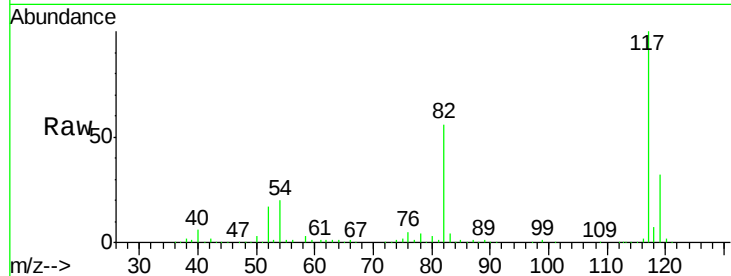
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.1	25.9	38.9

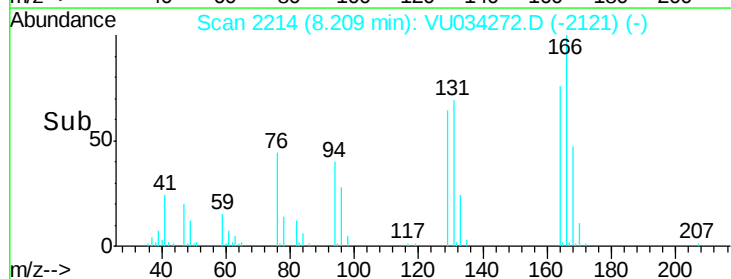
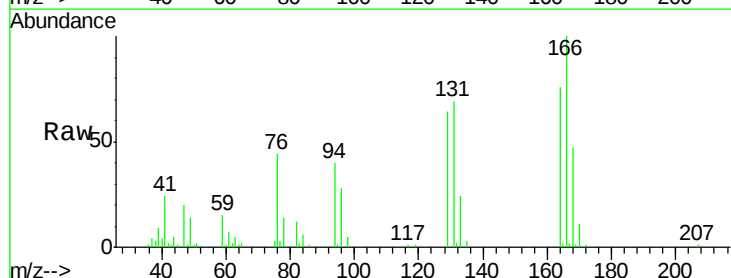
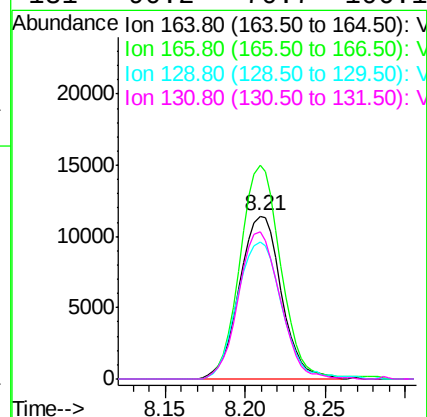
Manual Integrations
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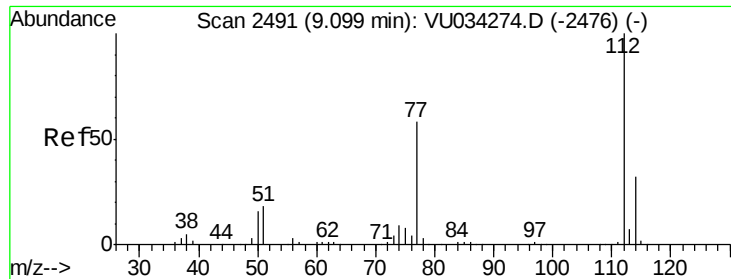
MMDadoda
9/6/2019 3:21:26 PM



#64
Tetrachloroethene
Concen: 6.707 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.7	155.5
129	83.9	75.8	113.8
131	90.2	70.7	106.1





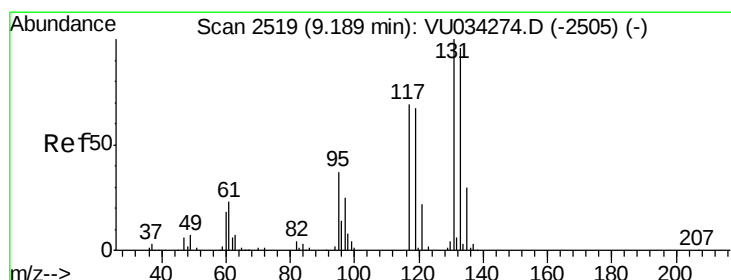
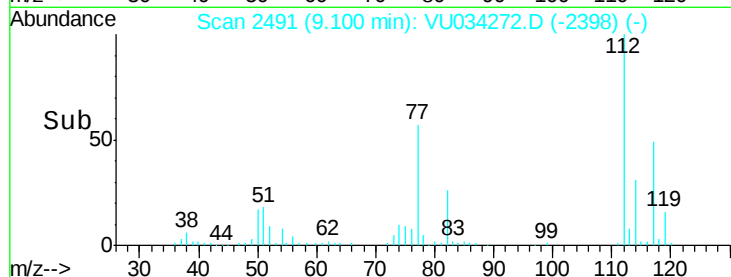
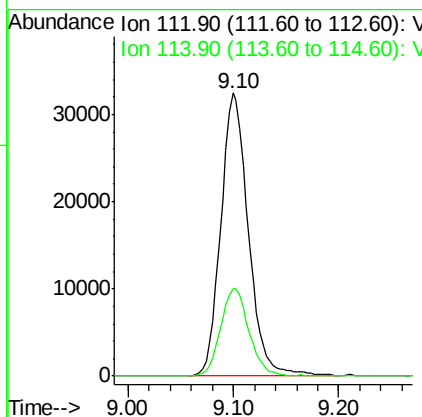
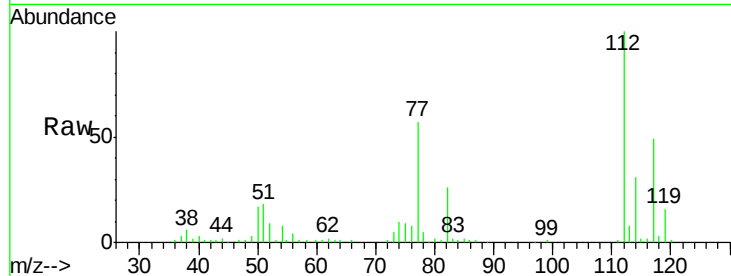
#65
Chlorobenzene
Concen: 6.285 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 58723
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9

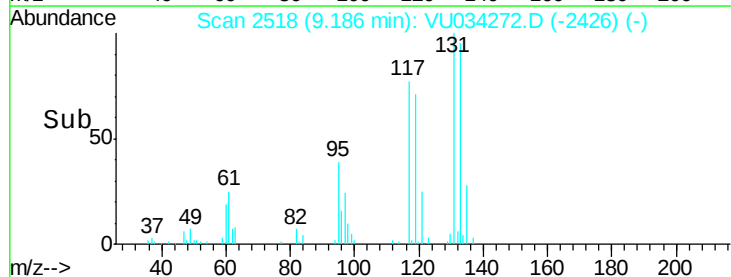
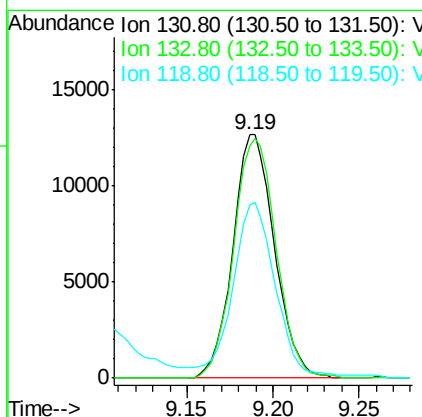
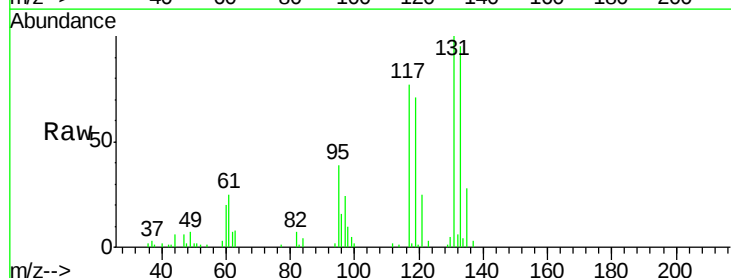
Manual Integrations
APPROVED

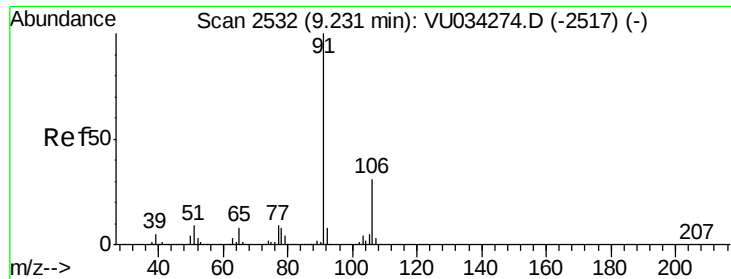
MMDadoda
9/6/2019 3:21:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 6.258 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion:131 Resp: 21364
Ion Ratio Lower Upper
131 100
133 100.4 47.9 143.7
119 71.2 33.1 99.5





#67

Ethyl Benzene

Concen: 5.683 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 89347

Ion Ratio Lower Upper

91 100

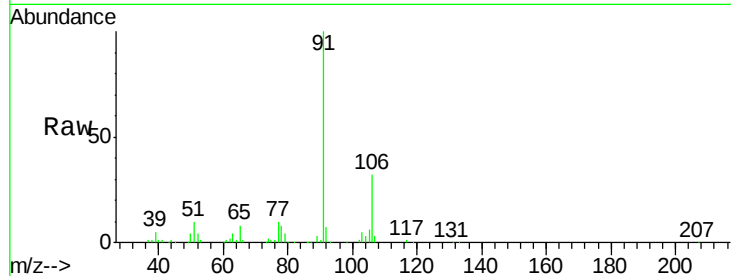
106 32.0 24.8 37.2

Manual Integrations

APPROVED

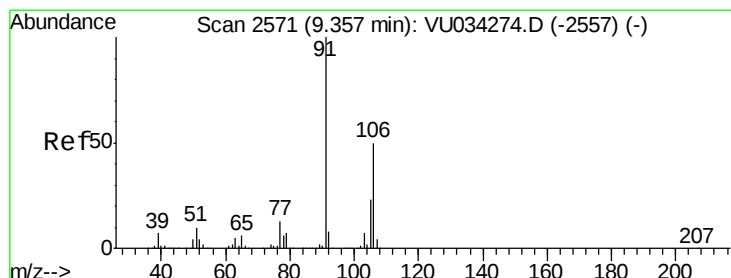
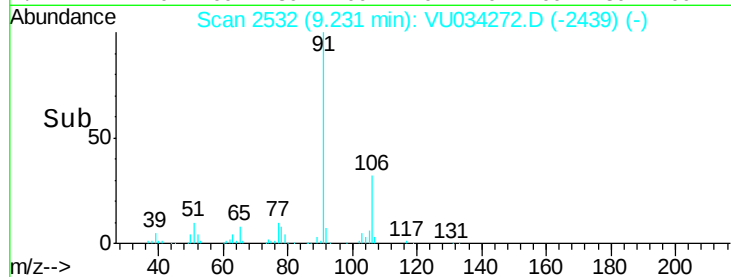
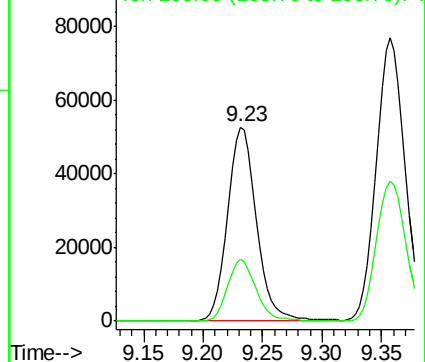
MMDadoda

9/6/2019 3:21:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VU034272.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034272.D (-2439) (-)



#68

m/p-Xylenes

Concen: 11.294 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034272.D

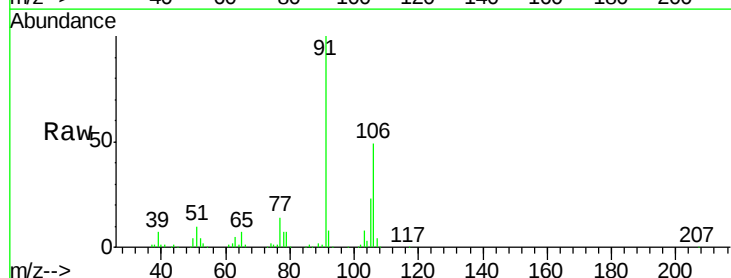
Acq: 05 Sep 2019 09:37

Tgt Ion: 106 Resp: 67766

Ion Ratio Lower Upper

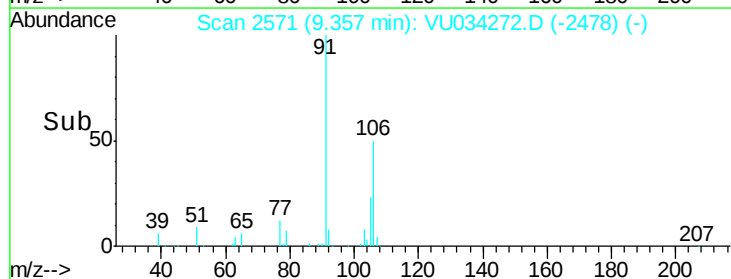
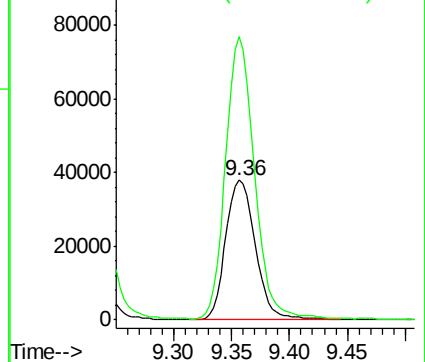
106 100

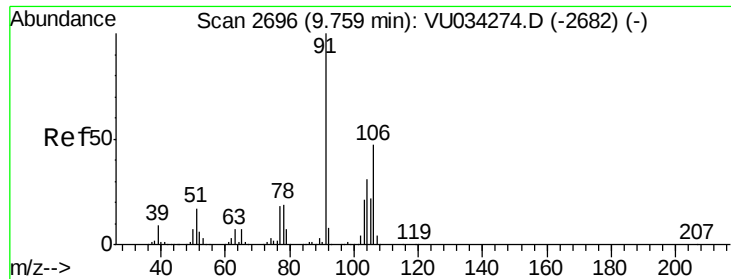
91 194.8 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034272.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034272.D (-2478) (-)





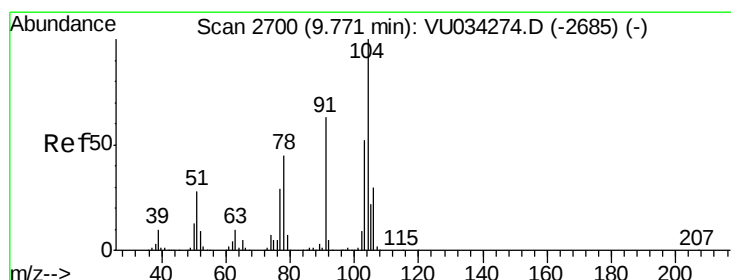
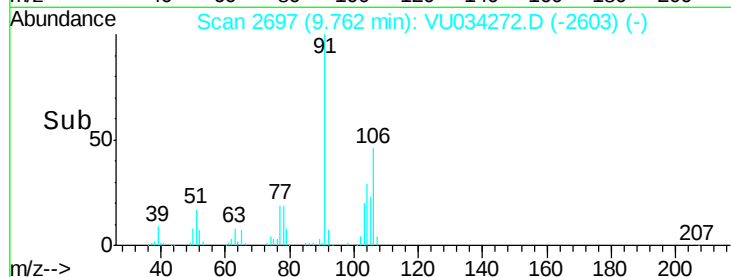
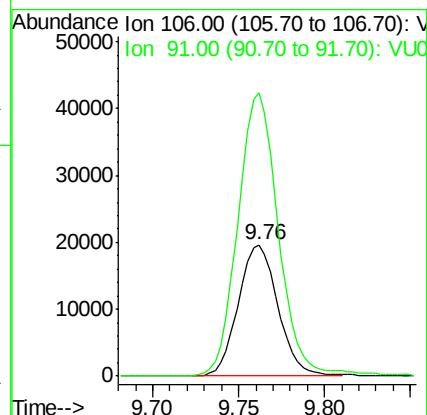
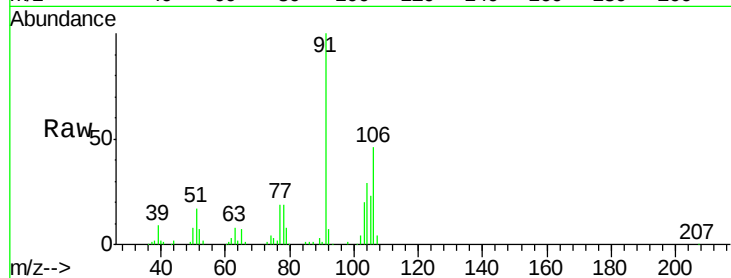
#69
o-Xylene
Concen: 5.466 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.9	105.1	315.3

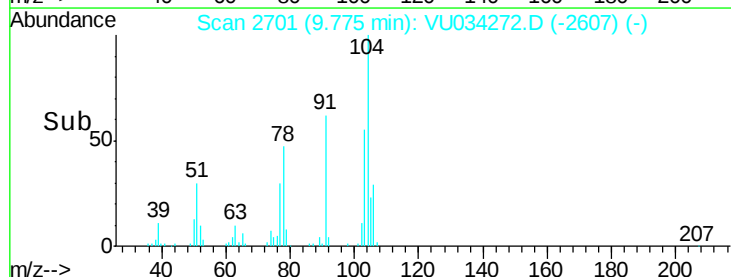
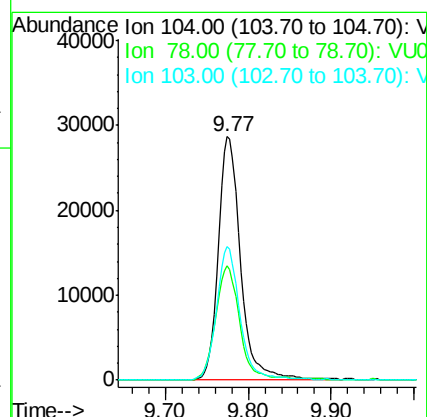
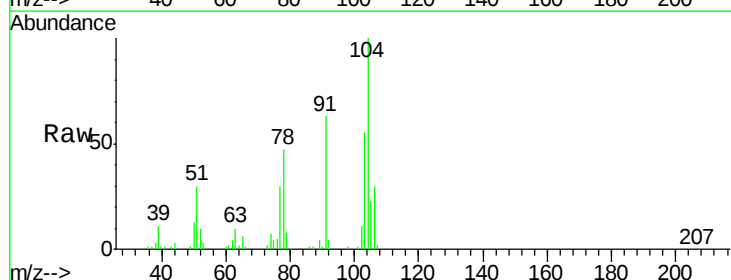
Manual Integrations
APPROVED

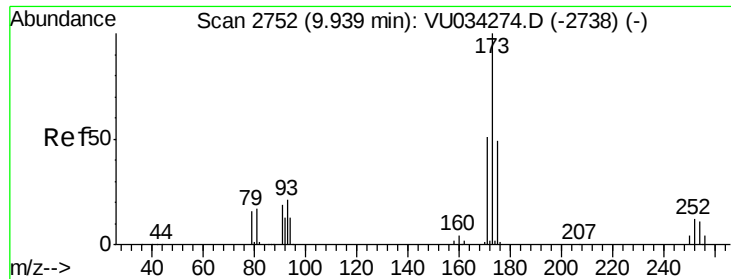
MMDadoda
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#70
Styrene
Concen: 5.401 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.6	57.8
103	57.4	44.2	66.4





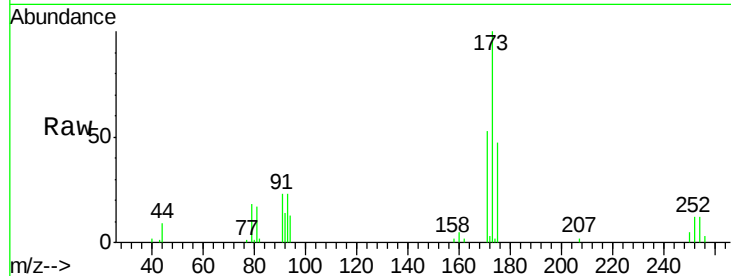
#71
Bromoform
Concen: 6.123 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

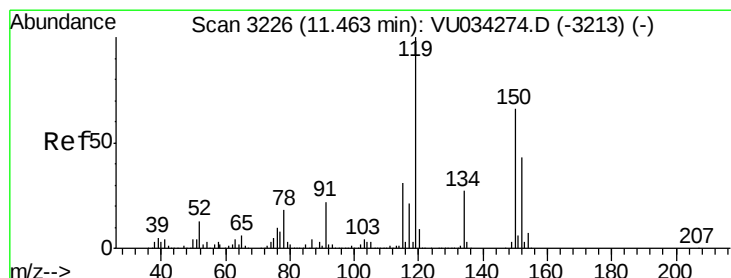
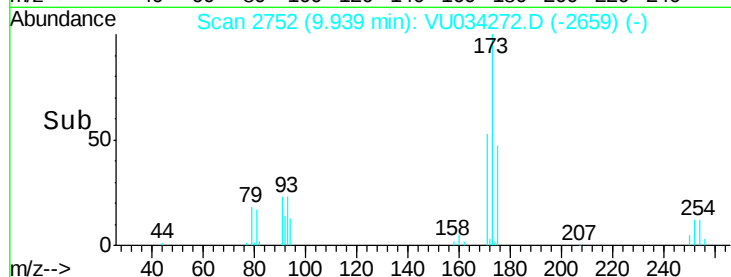
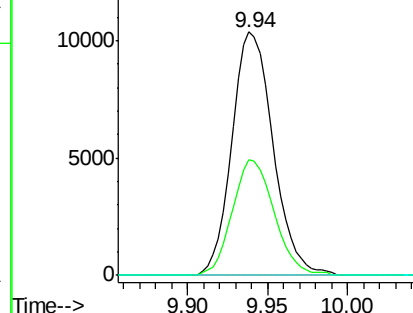
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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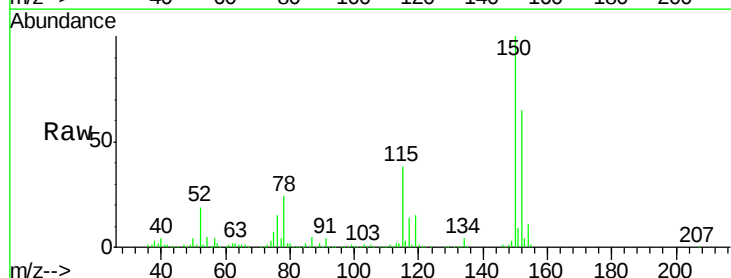


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

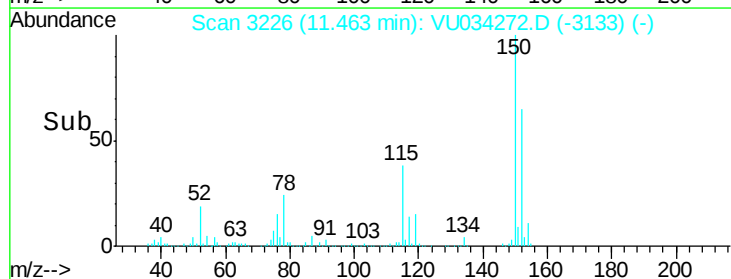
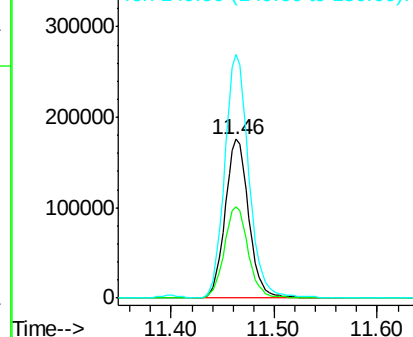


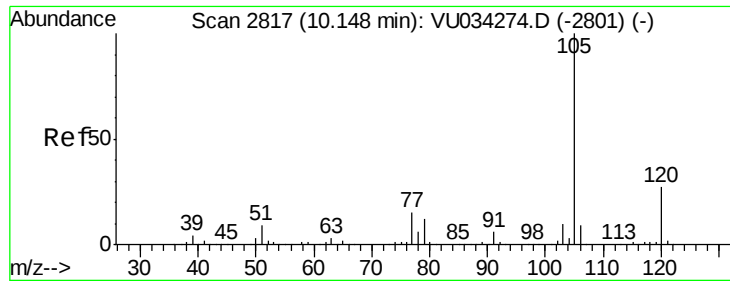
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	39.1	117.3
150	155.2	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.726 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 86842

Ion Ratio Lower Upper

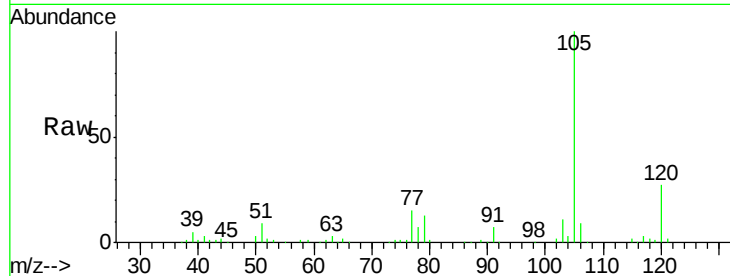
105 100

120 26.6 13.4 40.2

Manual Integrations
APPROVED

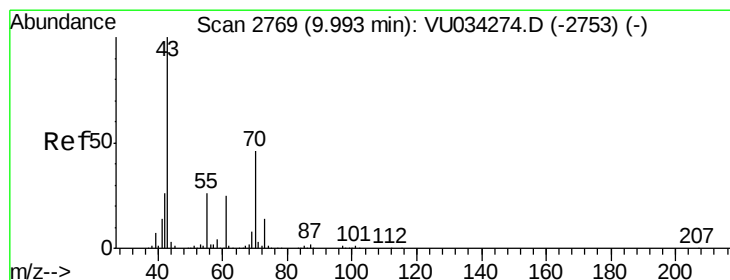
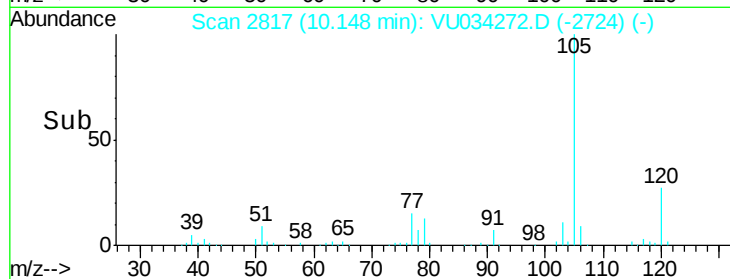
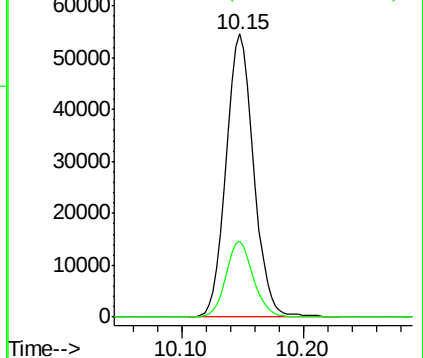
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.163 ug/l

RT: 10.00 min Scan# 2771

Delta R.T. 0.01 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion: 43 Resp: 31933

Ion Ratio Lower Upper

43 100

70 42.5 36.4 54.6

55 26.7 21.2 31.8

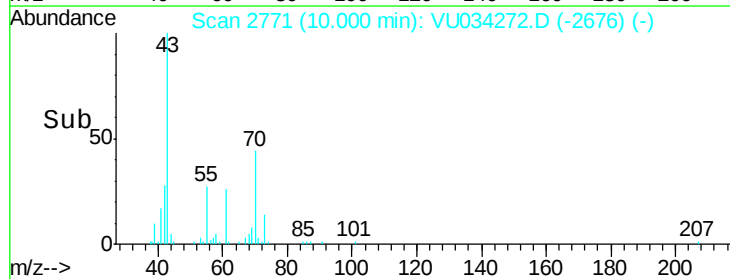
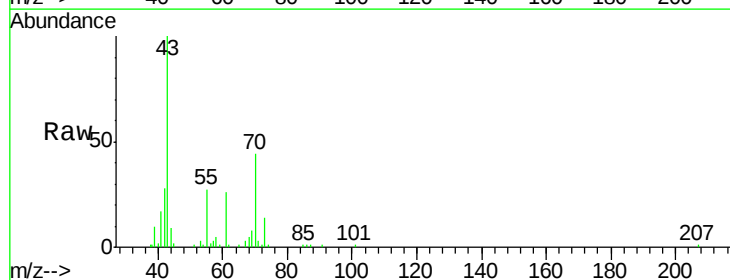
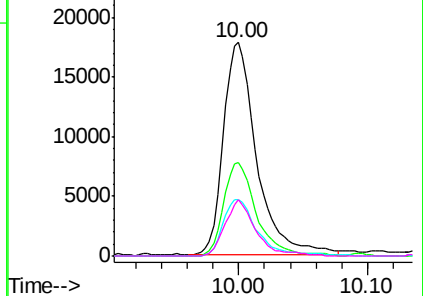
61 24.4 20.4 30.6

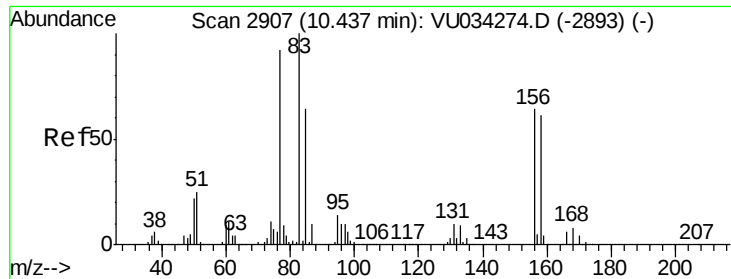
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.551 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

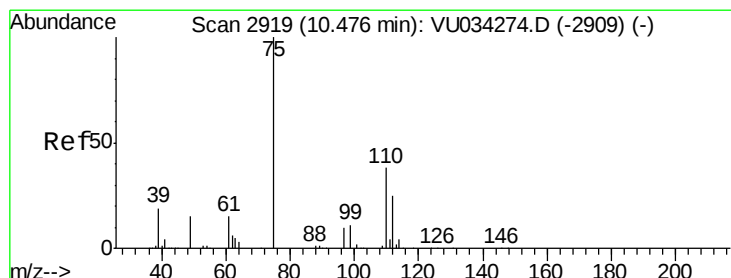
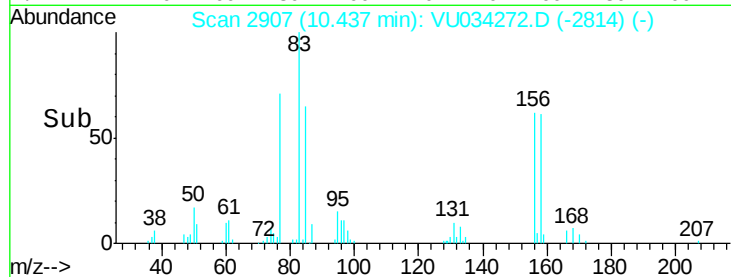
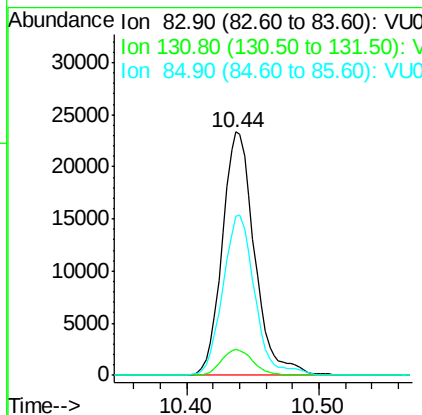
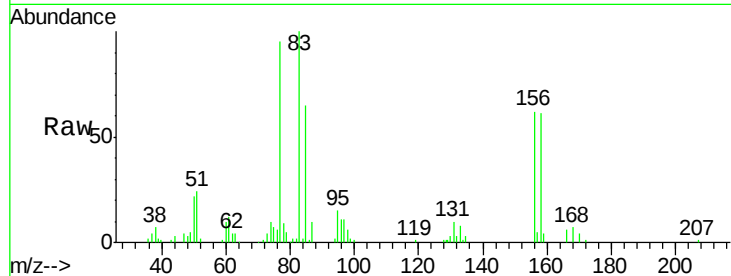
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	39491
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	65.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.352 ug/l m

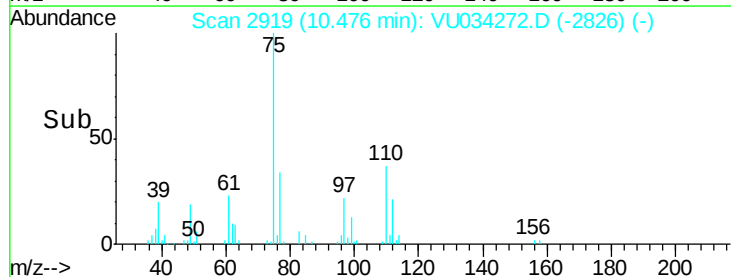
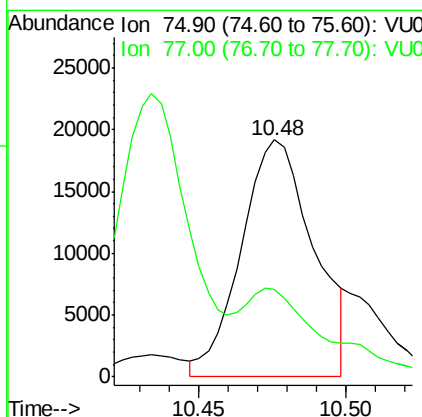
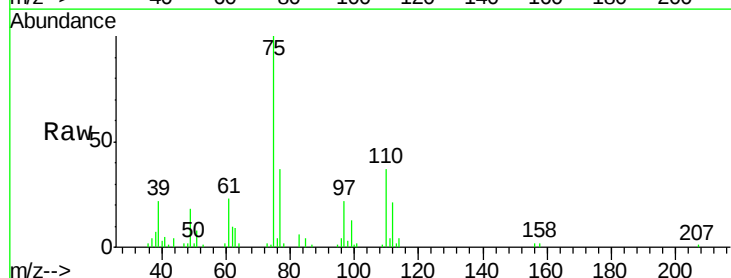
RT: 10.48 min Scan# 2919

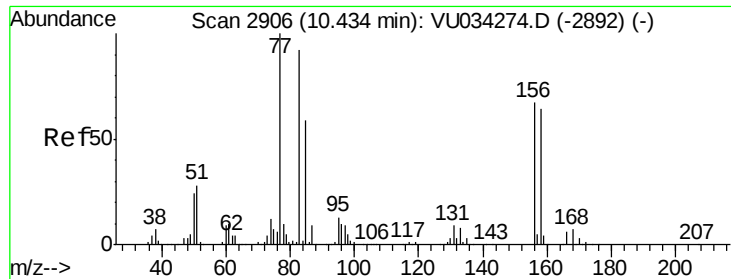
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	75	Resp:	32769
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.8	62.2





#77

Bromobenzene

Concen: 5.133 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

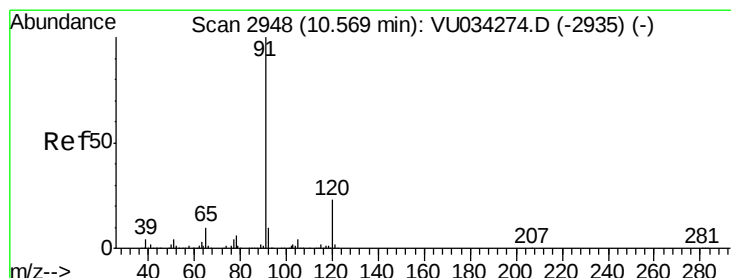
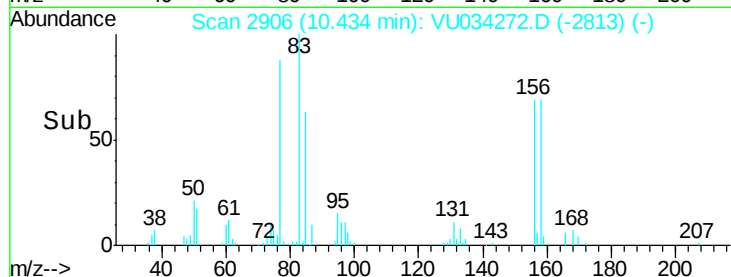
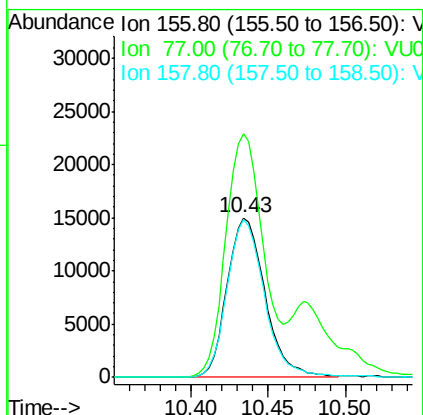
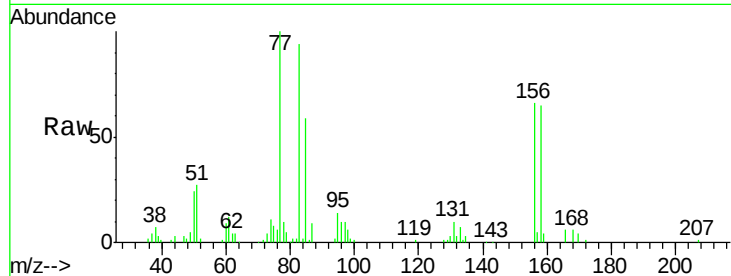
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	25594
Ion Ratio	Lower	Upper	
156	100		
77	150.4	75.6	226.9
158	97.2	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 4.669 ug/l

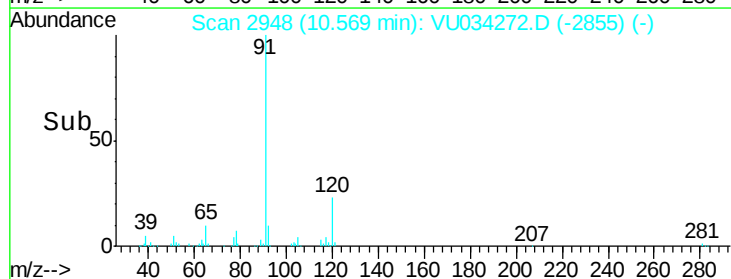
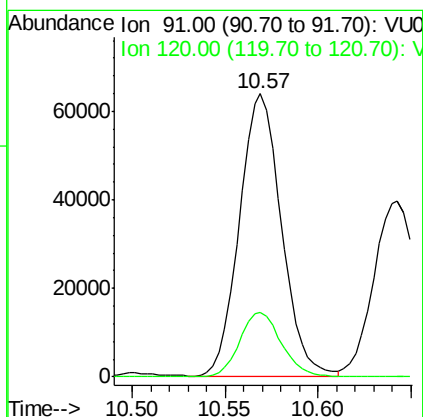
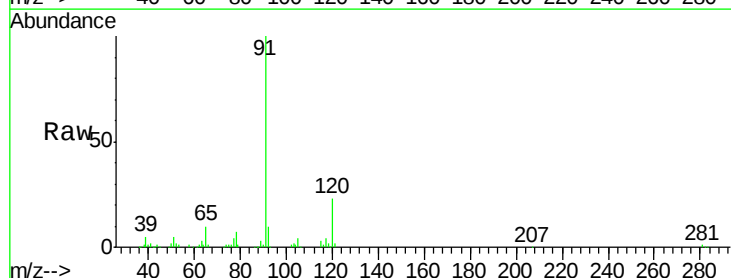
RT: 10.57 min Scan# 2948

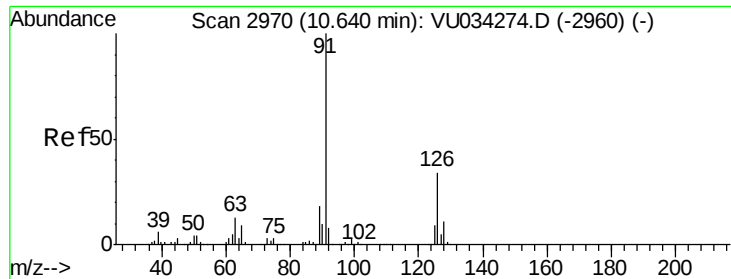
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	91	Resp:	100005
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.0





#79

2-Chlorotoluene

Concen: 4.992 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64225

Ion Ratio Lower Upper

91 100

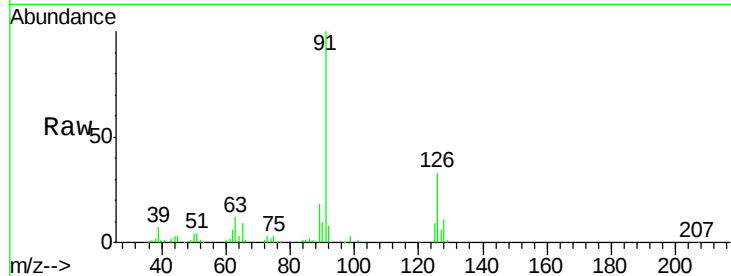
126 34.1 17.3 51.9

Manual Integrations

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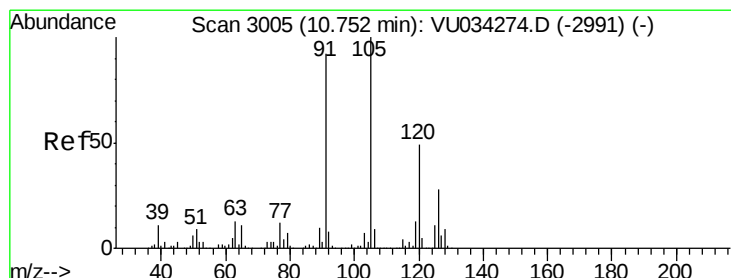
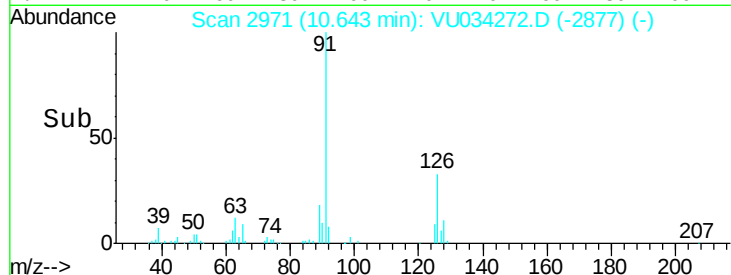
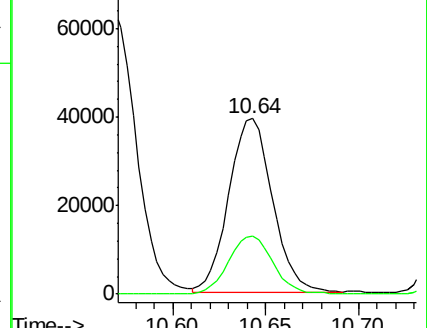
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Abundance Ion 91.00 (90.70 to 91.70): VU034272.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034272.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.623 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034272.D

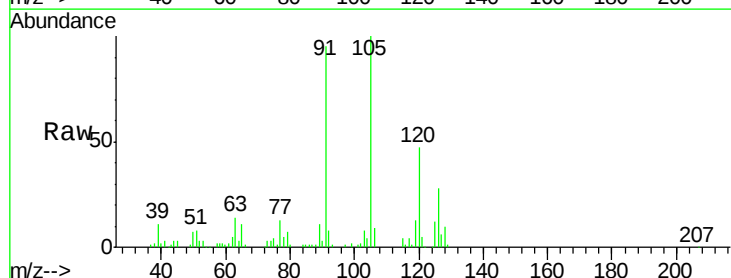
Acq: 05 Sep 2019 09:37

Tgt Ion: 105 Resp: 72031

Ion Ratio Lower Upper

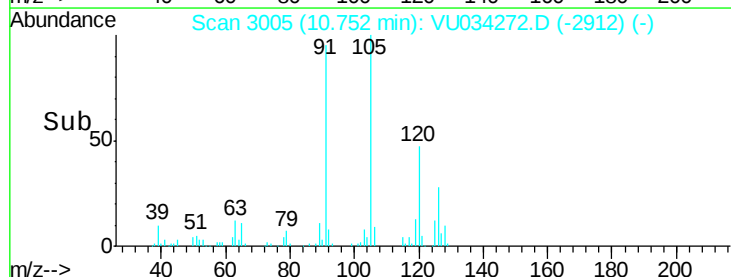
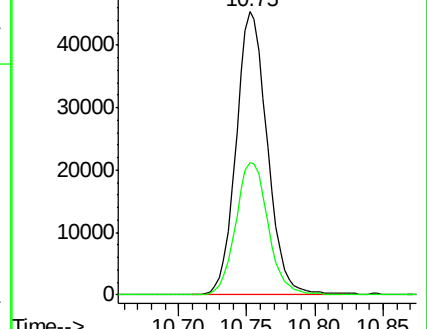
105 100

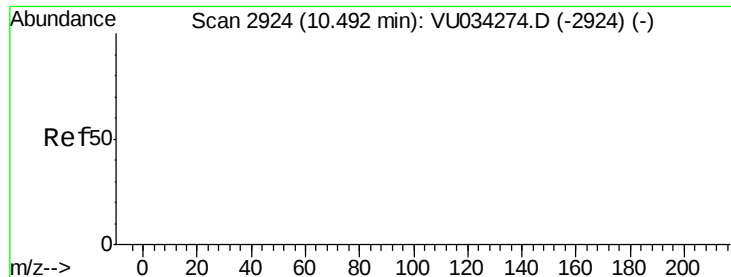
120 48.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034272.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034272.D (-2991) (-)





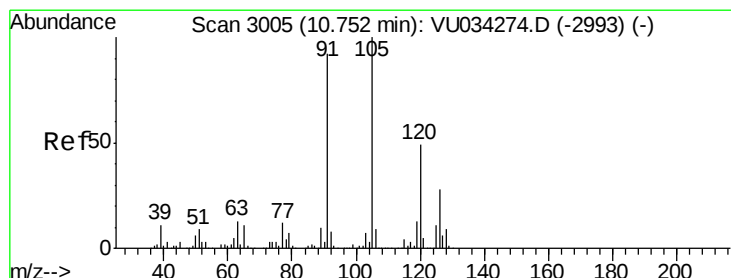
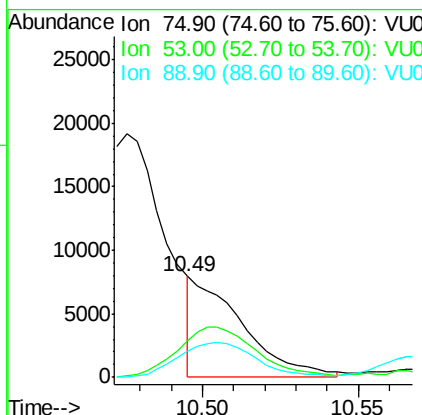
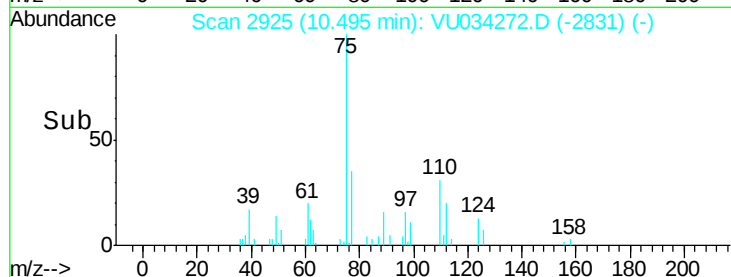
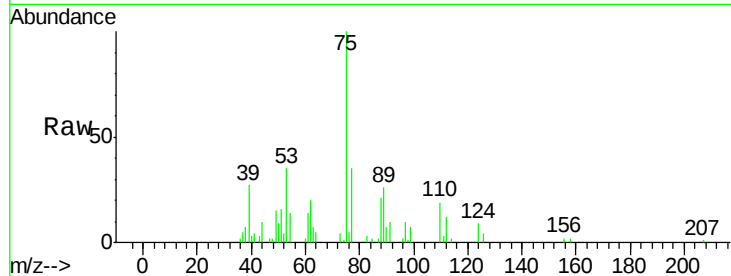
#81
trans-1,4-Dichloro-2-butene
Concen: 4.756 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

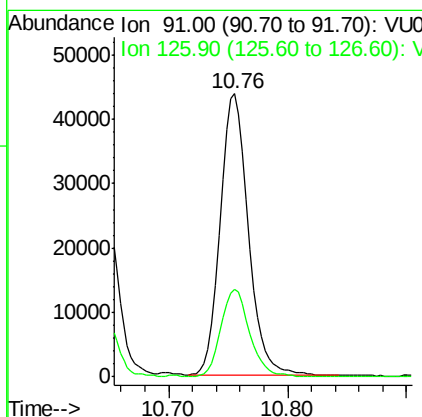
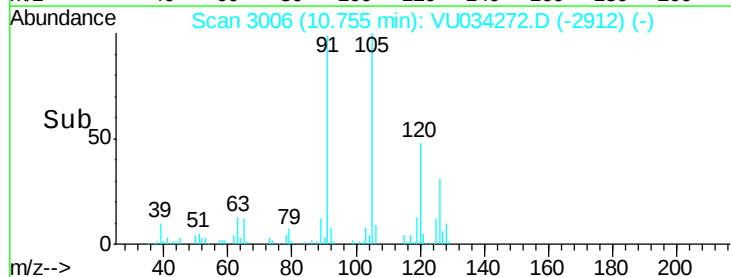
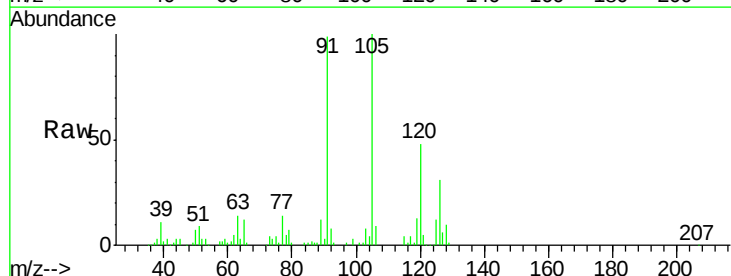
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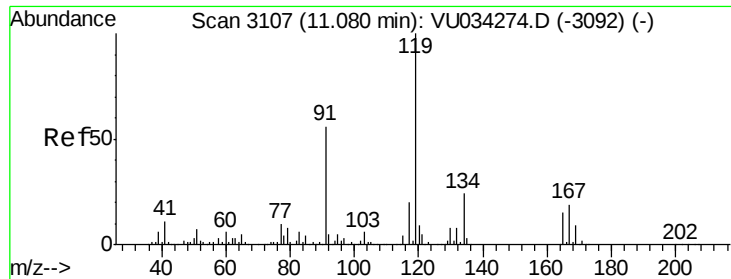
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.841 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.3	45.8





#83

tert-Butylbenzene

Concen: 4.686 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_U

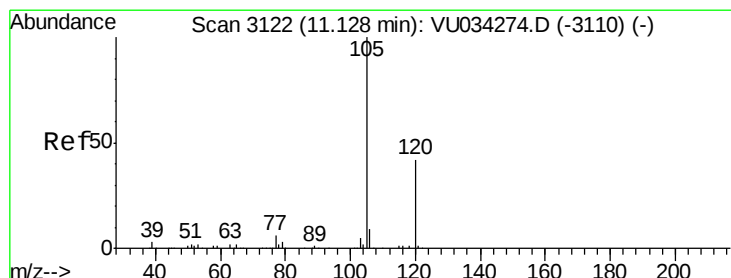
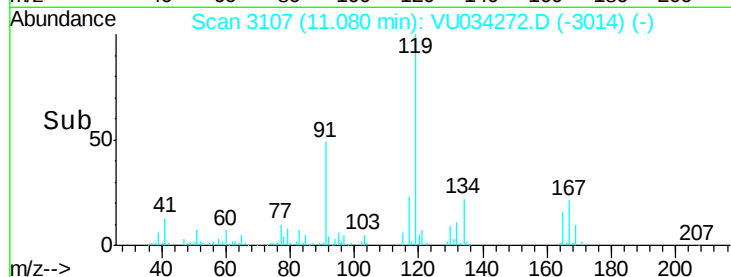
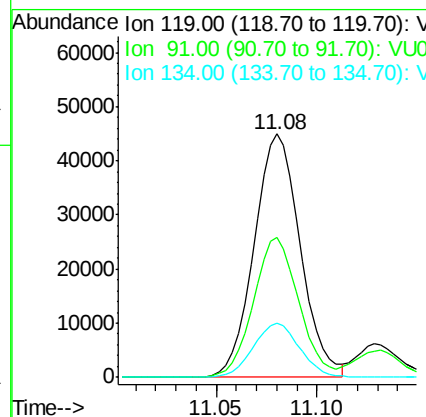
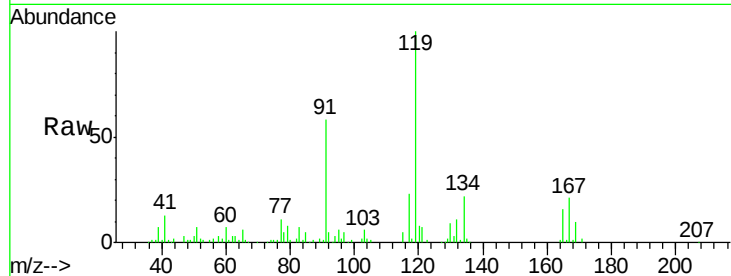
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	71913
Ion Ratio	Lower	Upper	
119	100		
91	56.4	27.8	83.4
134	22.5	11.7	35.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 4.602 ug/l

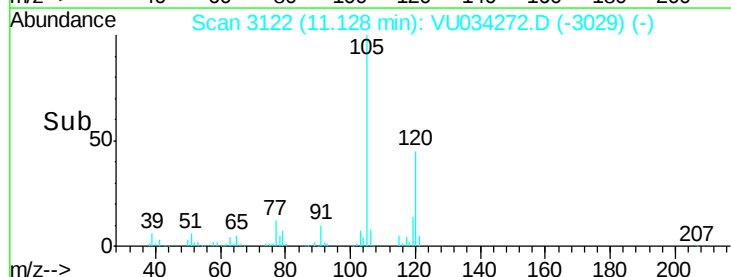
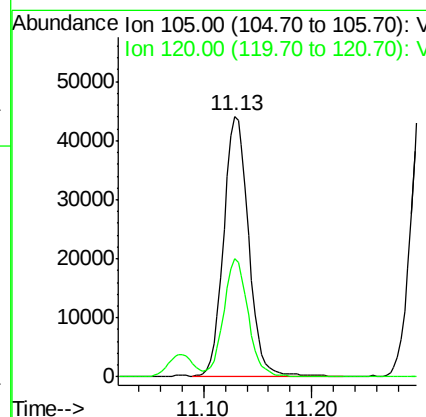
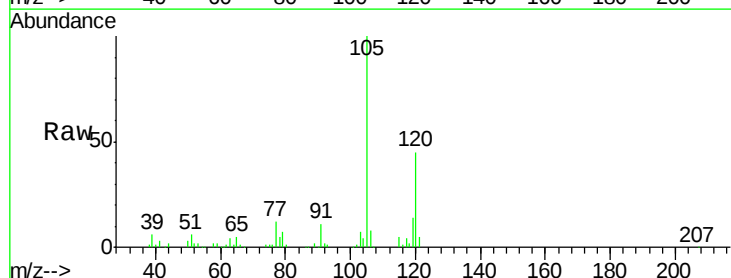
RT: 11.13 min Scan# 3122

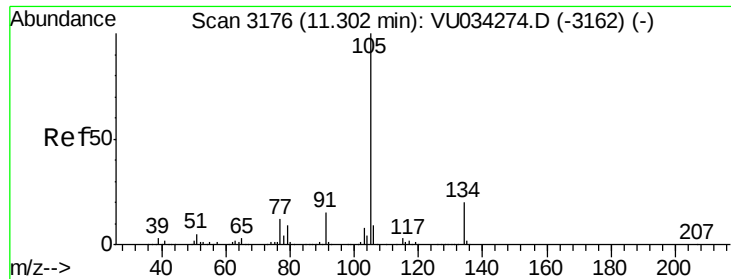
Delta R.T. 0.00 min

Lab File: VU034272.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	105	Resp:	71218
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.9	68.8





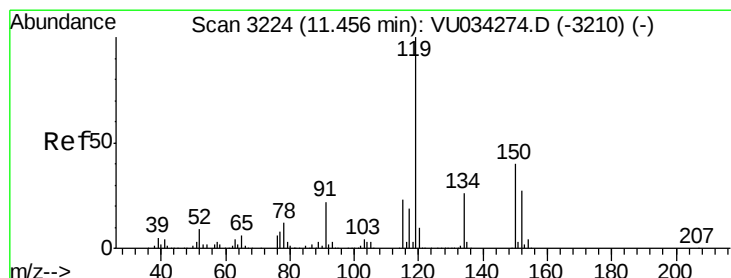
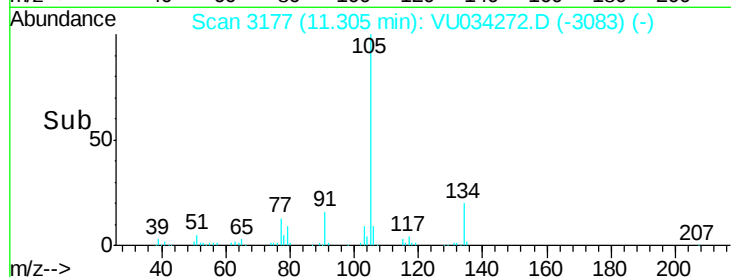
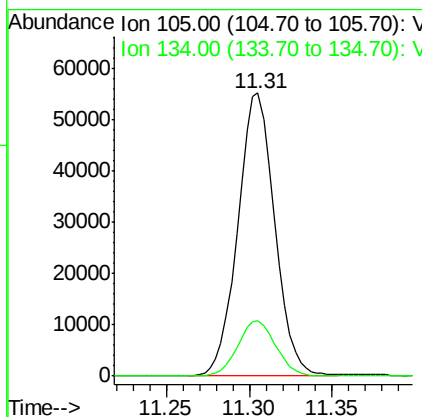
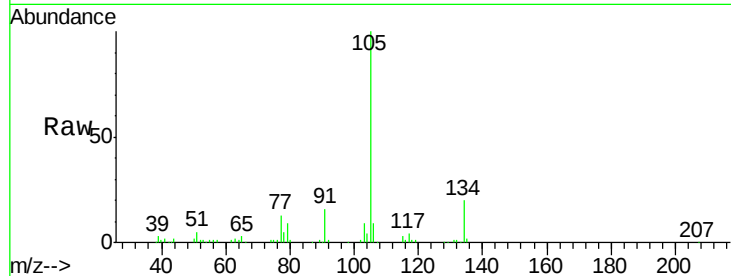
#85
 sec-Butylbenzene
 Concen: 4.599 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

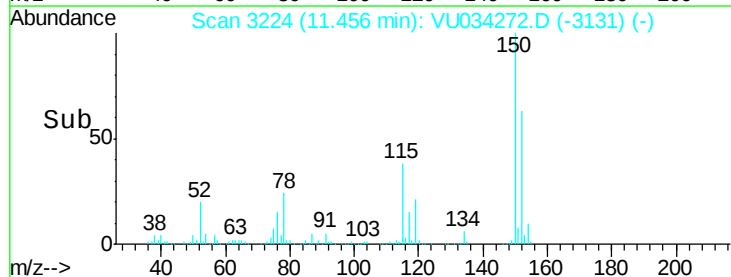
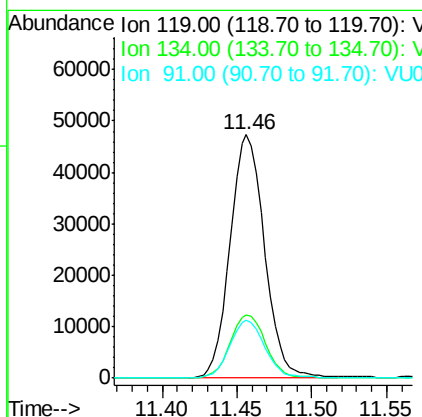
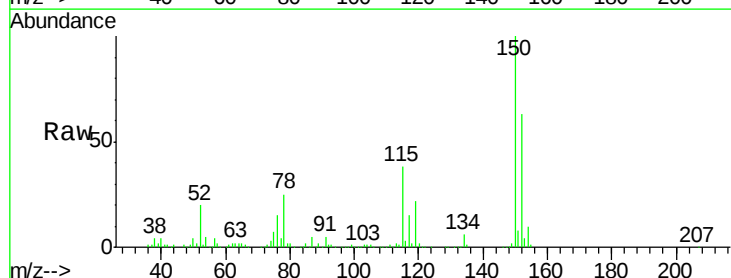
Manual Integrations
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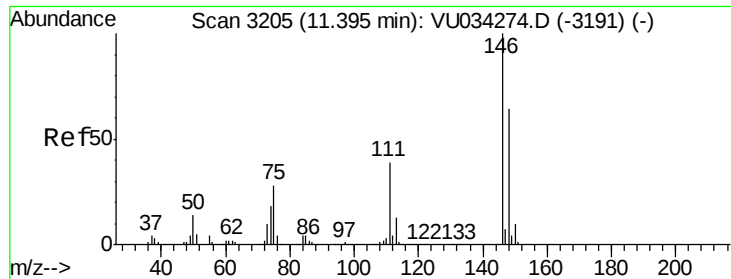
MMDadoda
 9/6/2019 3:21:26 PM



#86
 p-Isopropyltoluene
 Concen: 4.566 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.8
91	23.6	11.2	33.6





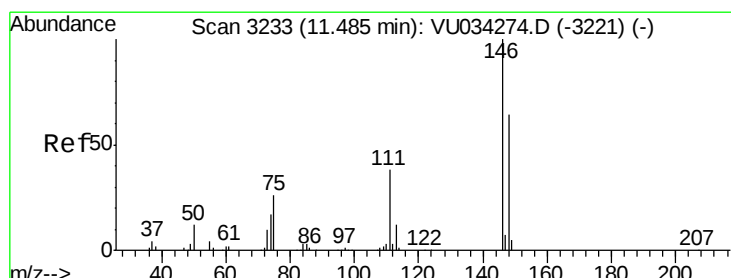
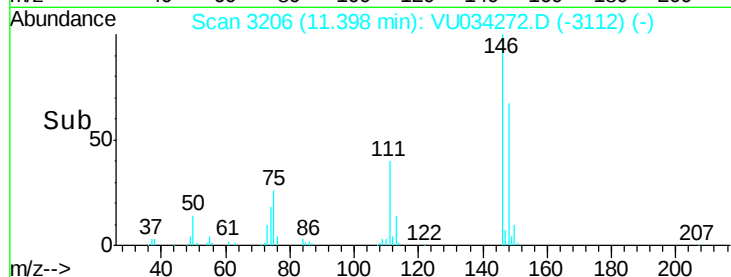
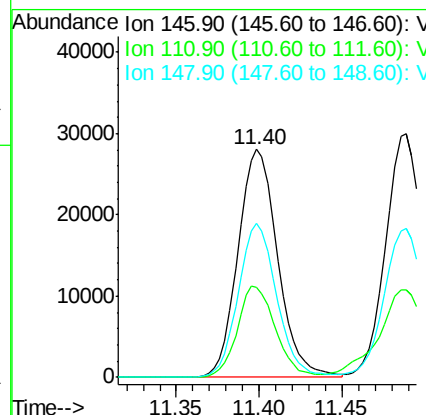
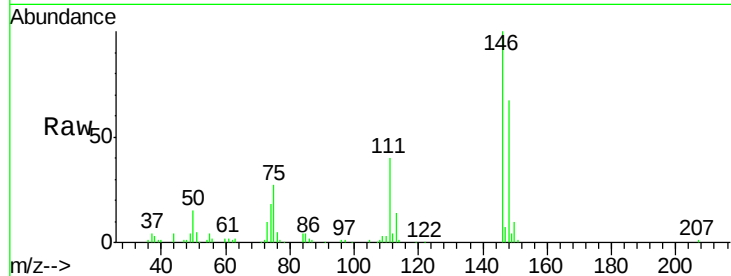
#87
 1,3-Dichlorobenzene
 Concen: 5.285 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	65.5	32.1	96.3

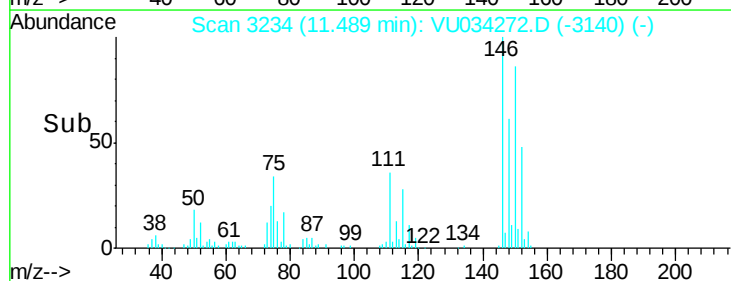
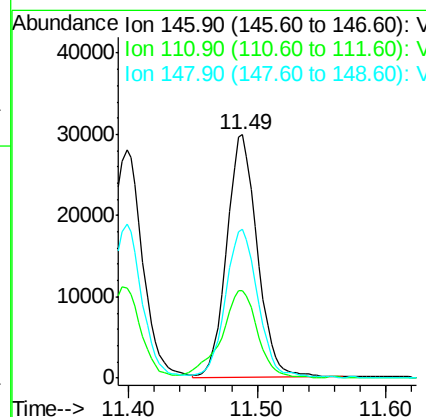
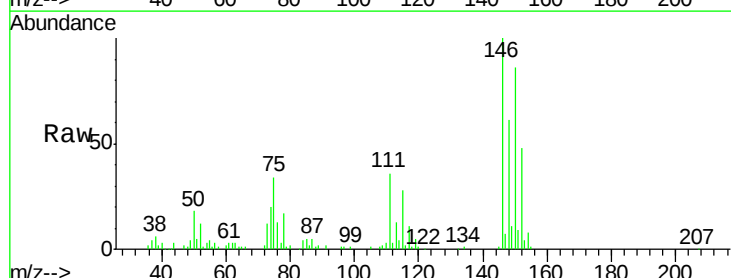
Manual Integrations
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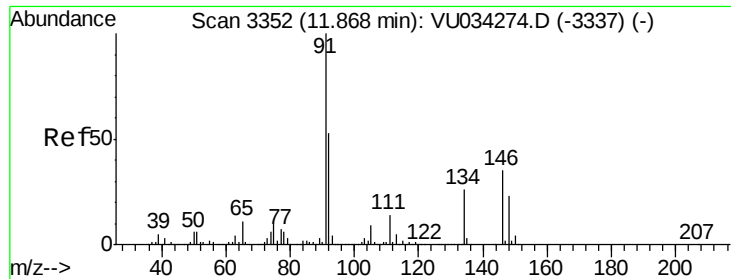
MMDadoda
 9/6/2019 3:21:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.475 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.3
148	63.8	32.0	96.0





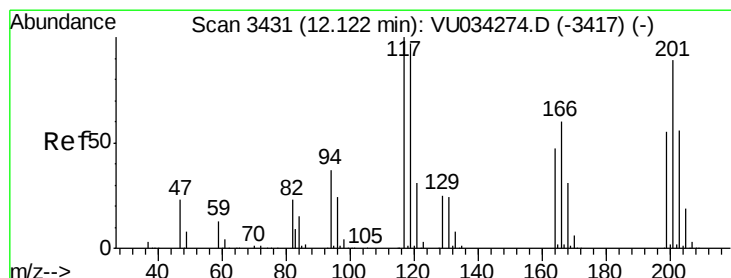
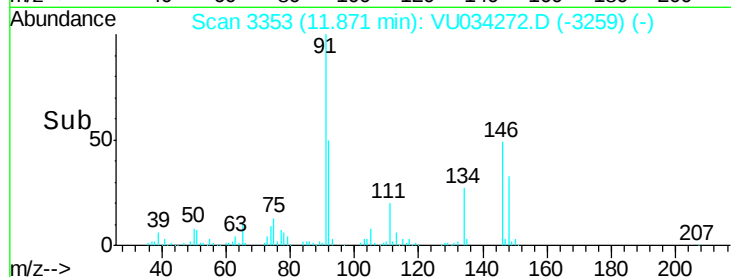
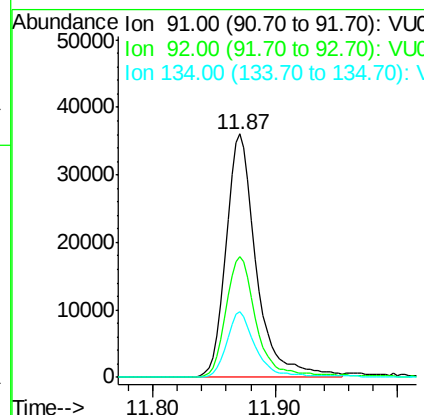
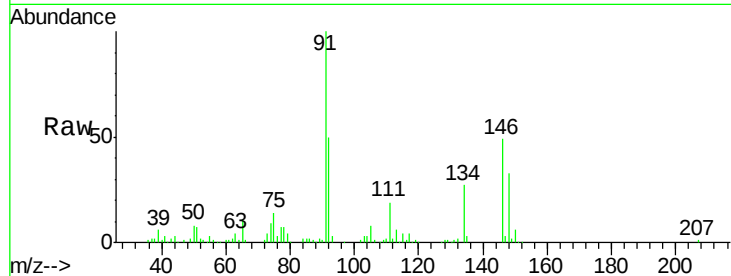
#89
n-Butylbenzene
Concen: 4.307 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.5	79.4
134	25.3	13.2	39.6

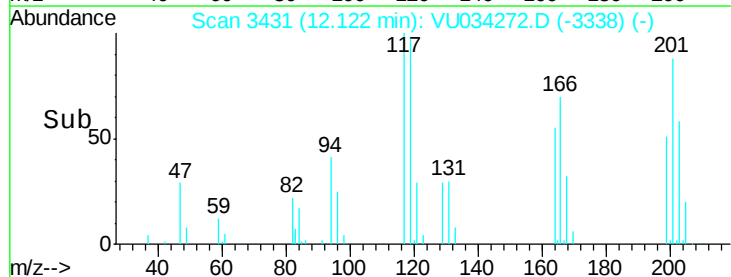
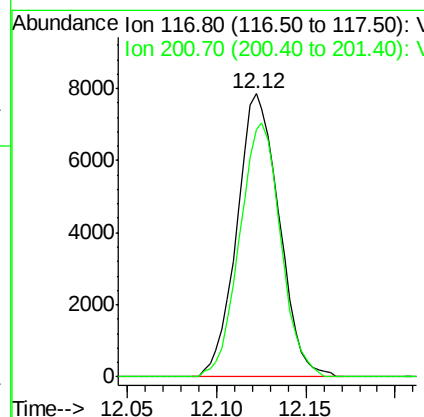
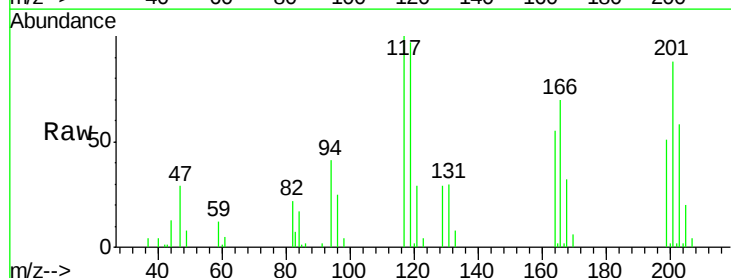
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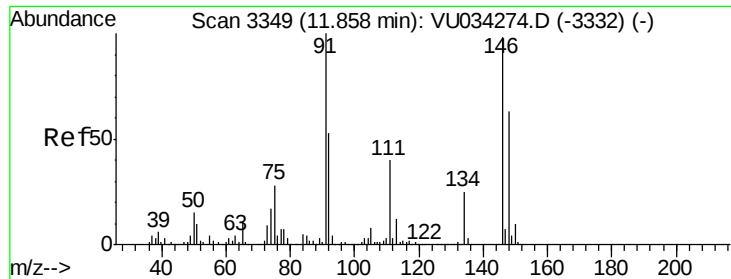
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#90
Hexachloroethane
Concen: 4.563 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.1	132.4





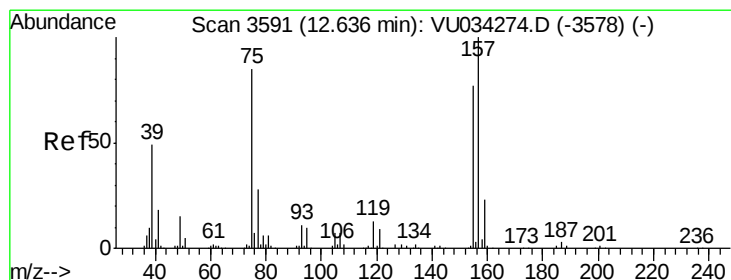
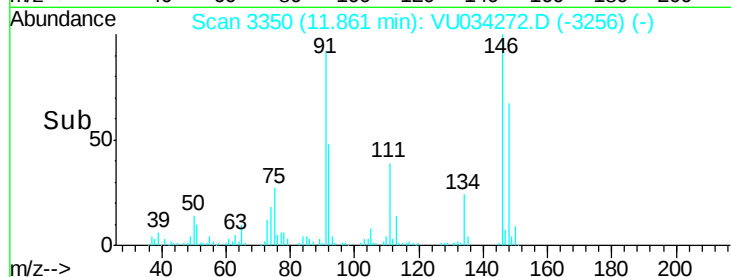
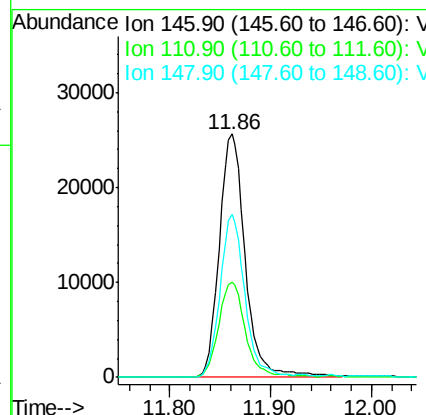
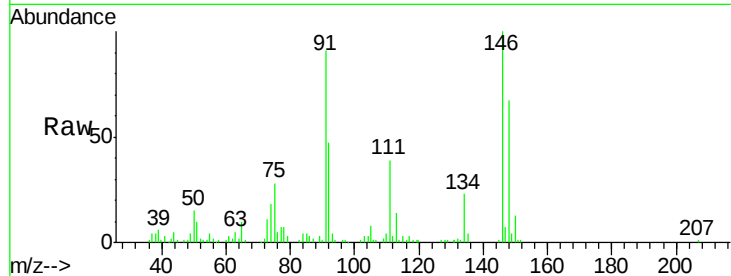
#91
 1,2-Dichlorobenzene
 Concen: 5.422 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.7	31.6	94.8

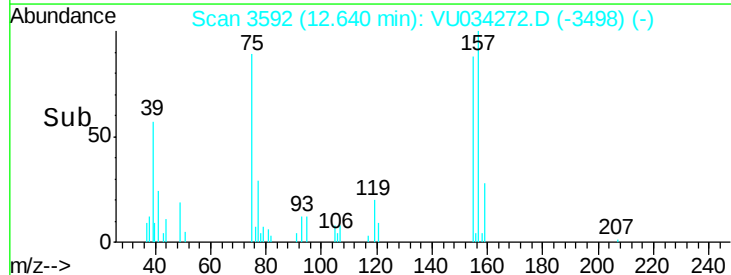
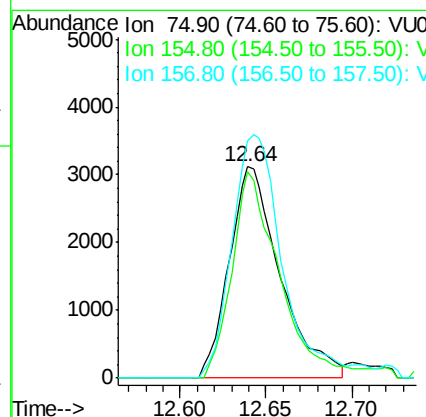
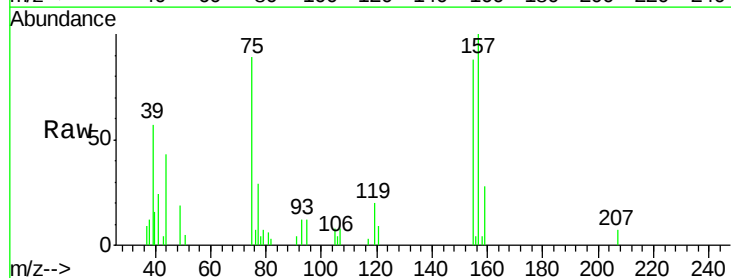
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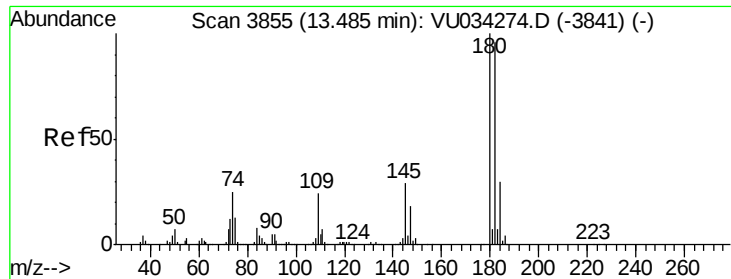
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.571 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	44.6	134.0
157	113.2	58.2	174.6





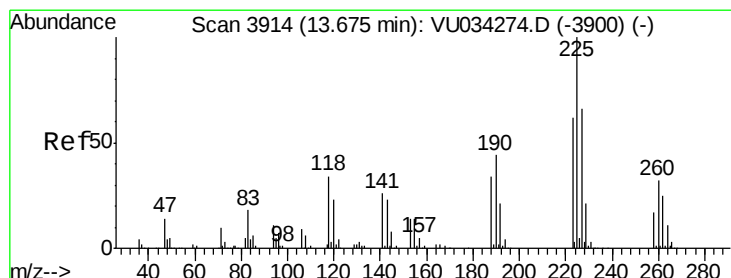
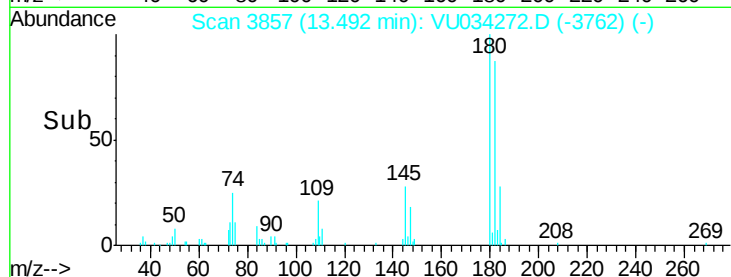
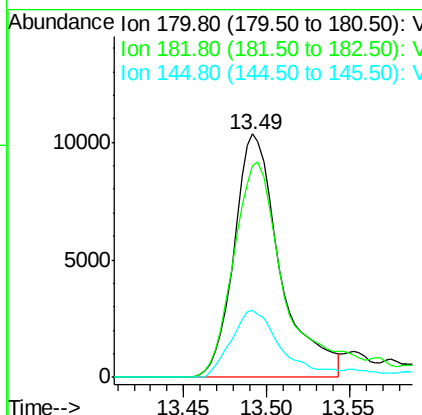
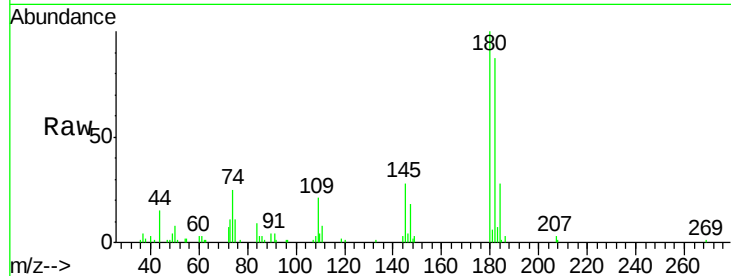
#93
 1,2,4-Trichlorobenzene
 Concen: 3.865 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20115		
182	98.6	47.9	143.8	
145	29.6	14.4	43.0	

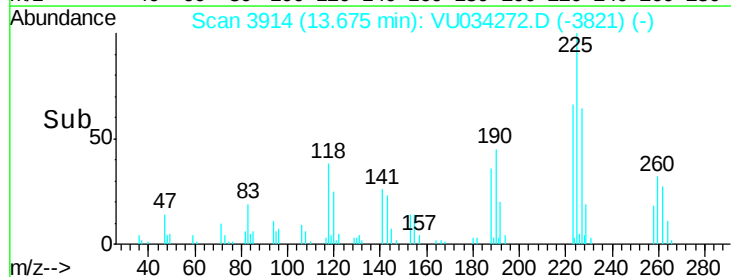
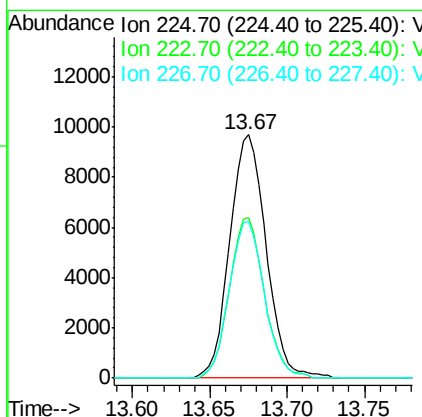
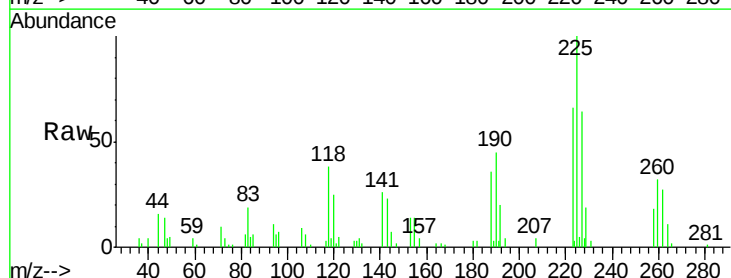
Manual Integrations
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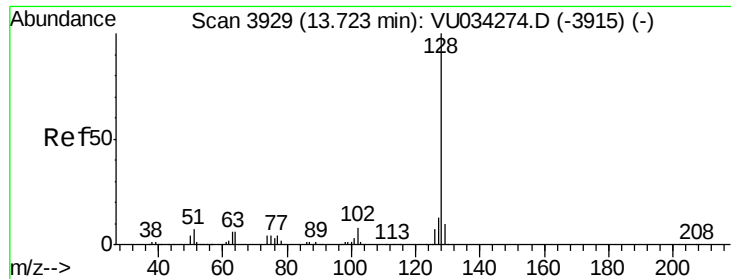
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#94
 Hexachlorobutadiene
 Concen: 4.831 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034272.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15801		
223	63.1	31.6	94.7	
227	62.4	32.3	96.8	





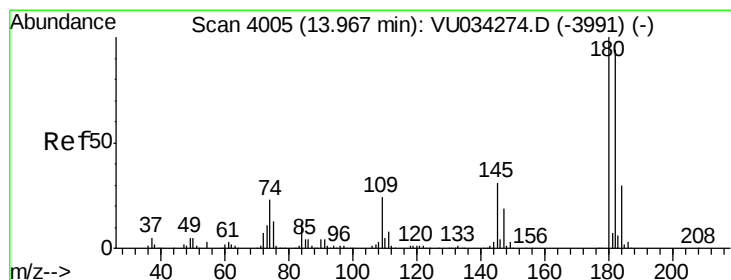
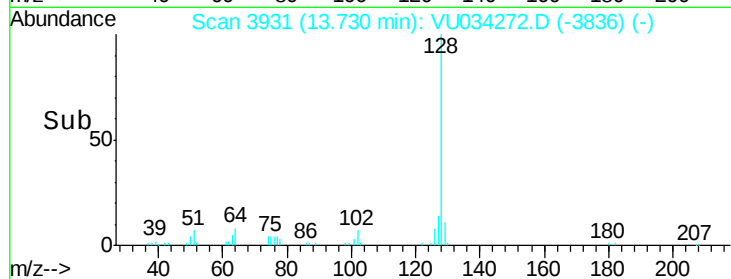
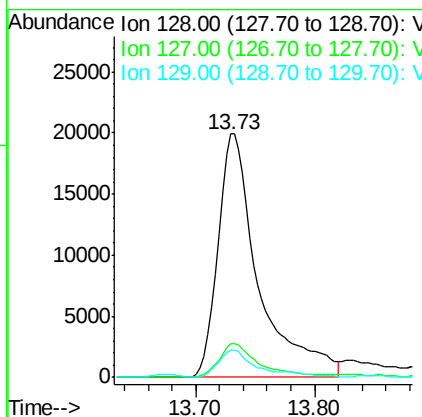
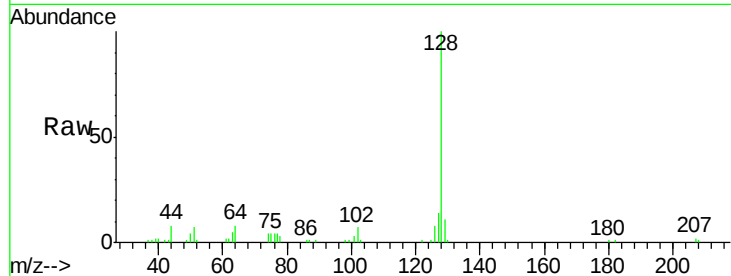
#95
Naphthalene
Concen: 3.288 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	9.3	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.282 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.01 min
Lab File: VU034272.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	48.4	145.0
145	28.5	15.4	46.4

