

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034273.D
 Acq On : 05 Sep 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:30 PM

Quant Time: Sep 06 04:31:50 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	309822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	448497	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	439314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	289488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	89490	22.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.02%	
35) Dibromofluoromethane	4.86	113	77481	23.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.12%	
50) Toluene-d8	7.55	98	306274	24.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.44%	
62) 4-Bromofluorobenzene	10.29	95	110394	23.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60639	20.080	ug/l	98
3) Chloromethane	1.32	50	72994	16.387	ug/l	97
4) Vinyl Chloride	1.40	62	78016	19.484	ug/l	98
5) Bromomethane	1.62	94	45999	21.540	ug/l	99
6) Chloroethane	1.69	64	49714	19.984	ug/l	98
7) Trichlorofluoromethane	1.88	101	105232	22.077	ug/l	99
8) Diethyl Ether	2.09	74	46654	22.681	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68980	22.686	ug/l	98
10) Methyl Iodide	2.40	142	53924	13.562	ug/l	97
11) Tert butyl alcohol	2.81	59	90606	99.457	ug/l	100
12) 1,1-Dichloroethene	2.27	96	65925	21.518	ug/l	98
13) Acrolein	2.18	56	81752	175.882	ug/l	99
14) Allyl chloride	2.58	41	122539m	21.188	ug/l	
15) Acrylonitrile	2.92	53	248433	116.924	ug/l	98
16) Acetone	2.31	43	244959	120.421	ug/l	99
17) Carbon Disulfide	2.47	76	141443	15.321	ug/l	99
18) Methyl Acetate	2.60	43	109754	20.882	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	242393	23.613	ug/l	99
20) Methylene Chloride	2.69	84	81232	21.221	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	68064	20.588	ug/l	96
22) Diisopropyl ether	3.55	45	258498	23.994	ug/l	95
23) Vinyl Acetate	3.51	43	1029390	112.252	ug/l	100
24) 1,1-Dichloroethane	3.43	63	146621	23.166	ug/l	99
25) 2-Butanone	4.24	43	328820	116.295	ug/l	100
26) 2,2-Dichloropropane	4.20	77	117344	22.816	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	83626	22.146	ug/l	99
28) Bromochloromethane	4.52	49	68193	21.738	ug/l	100
29) Tetrahydrofuran	4.62	42	200552	114.985	ug/l	99
30) Chloroform	4.65	83	147690	23.208	ug/l	99
31) Cyclohexane	4.97	56	107328	18.826	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	120729	23.326	ug/l	99
36) 1,1-Dichloropropene	5.12	75	93953	22.118	ug/l	99
37) Ethyl Acetate	4.36	43	116212	24.091	ug/l	97
38) Carbon Tetrachloride	5.12	117	100140	23.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	98163	19.953	ug/l	96
40) Benzene	5.37	78	311936	23.946	ug/l	99
41) Methacrylonitrile	4.52	41	61281	24.518	ug/l	99
42) 1,2-Dichloroethane	5.39	62	108579	24.162	ug/l	99
43) Isopropyl Acetate	5.53	43	174643	23.672	ug/l	99
44) Trichloroethene	6.17	130	85158	24.637	ug/l	100
45) 1,2-Dichloropropane	6.41	63	90573	25.018	ug/l	95
46) Dibromomethane	6.54	93	57045	24.491	ug/l	99
47) Bromodichloromethane	6.74	83	115384	25.123	ug/l	100
48) Methyl methacrylate	6.60	41	80105	22.668	ug/l	99
49) 1,4-Dioxane	6.59	88	33361	384.527	ug/l	92
51) 4-Methyl-2-Pentanone	7.44	43	612832	119.893	ug/l	99
52) Toluene	7.62	92	197377	24.468	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	116225	23.078	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	134047	24.276	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	87835	25.390	ug/l	99
56) Ethyl methacrylate	8.00	69	115379	22.603	ug/l	98
57) 1,3-Dichloropropane	8.22	76	143875	24.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	191361	103.822	ug/l	100
59) 2-Hexanone	8.34	43	461070	119.621	ug/l	99
60) Dibromochloromethane	8.46	129	94416	25.329	ug/l	100
61) 1,2-Dibromoethane	8.57	107	86624	24.024	ug/l	100
64) Tetrachloroethene	8.21	164	76808	25.501	ug/l	97
65) Chlorobenzene	9.10	112	222851	24.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	83511	24.830	ug/l	99
67) Ethyl Benzene	9.23	91	361430	23.333	ug/l	99
68) m/p-Xylenes	9.36	106	282048	47.711	ug/l	99
69) o-Xylene	9.76	106	135870	23.929	ug/l	98
70) Styrene	9.77	104	244075	24.936	ug/l	99
71) Bromoform	9.94	173	72959	24.887	ug/l #	98
73) Isopropylbenzene	10.15	105	375344	19.800	ug/l	100
74) N-amyl acetate	10.00	43	147412	18.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	149389	20.355	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	120756m	19.120	ug/l	
77) Bromobenzene	10.43	156	101748	19.782	ug/l	97
78) n-propylbenzene	10.57	91	439249	19.882	ug/l	99
79) 2-Chlorotoluene	10.64	91	266798	20.105	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	329361	20.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	40520m	21.257	ug/l	
82) 4-Chlorotoluene	10.75	91	313318	20.477	ug/l	99
83) tert-Butylbenzene	11.08	119	312445	19.737	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329054	20.613	ug/l	99
85) sec-Butylbenzene	11.30	105	382371	20.148	ug/l	100
86) p-Isopropyltoluene	11.46	119	354542	20.638	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	190650	20.861	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	196447	21.185	ug/l	99
89) n-Butylbenzene	11.87	91	302508	20.001	ug/l	98
90) Hexachloroethane	12.12	117	51612	17.569	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	188539	21.463	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28198	19.401	ug/l	99

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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	117761	21.934	ug/l	100
94) Hexachlorobutadiene	13.67	225	65746	19.486	ug/l	99
95) Naphthalene	13.73	128	308713	20.843	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	118087	20.952	ug/l	99

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

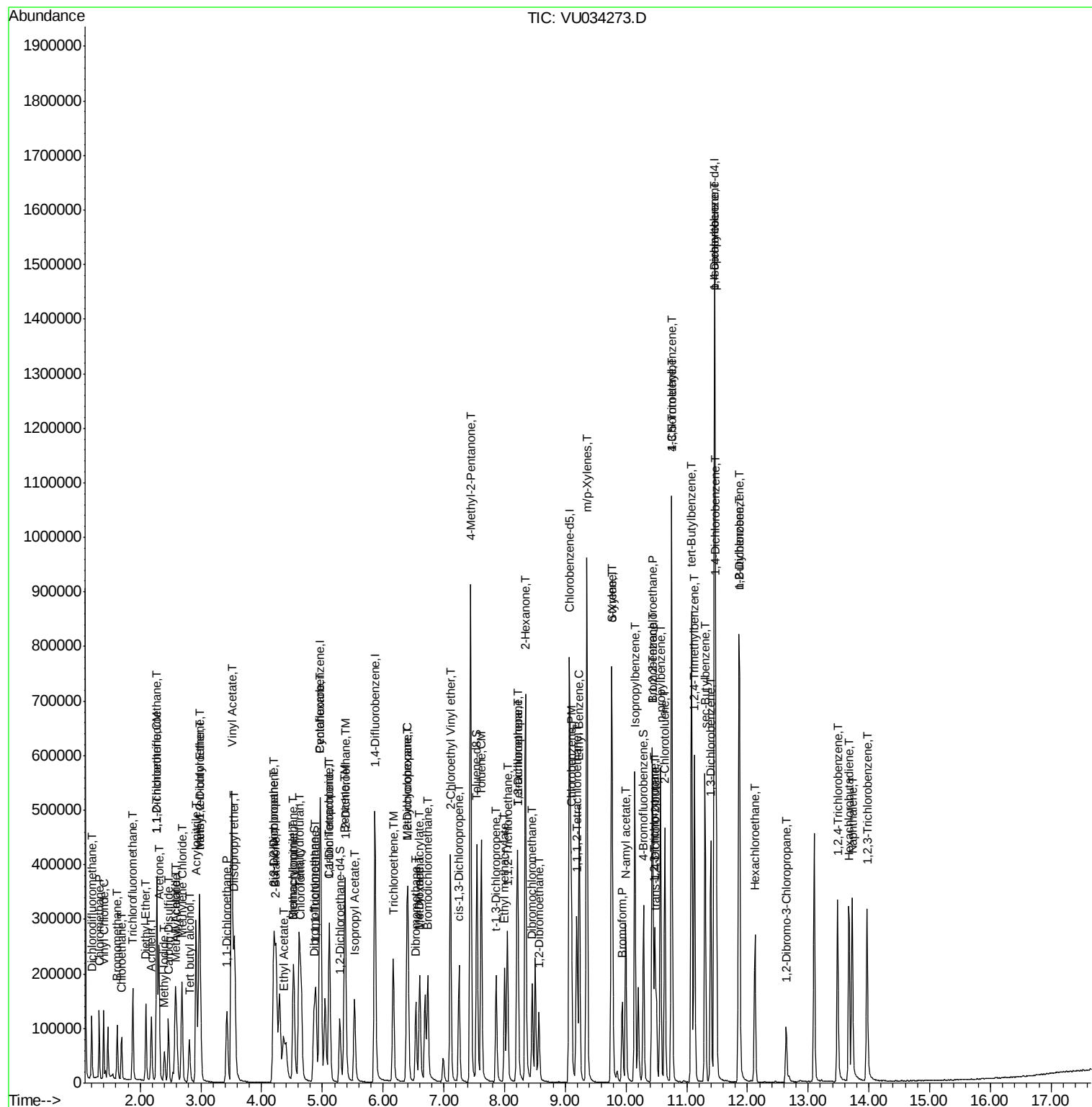
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090619\
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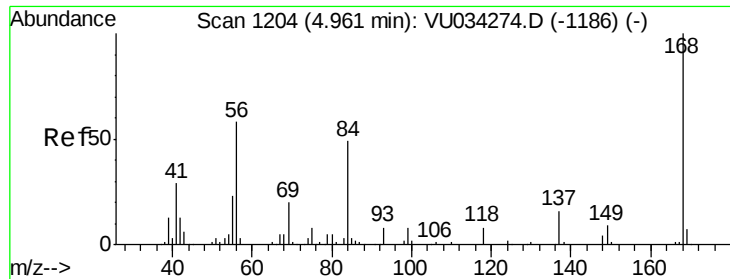
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 309822

Ion Ratio Lower Upper

168 100

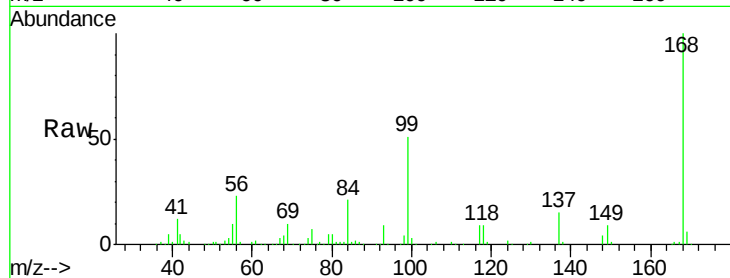
99 50.6 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034273.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034273.D (-1186) (-)

4.96

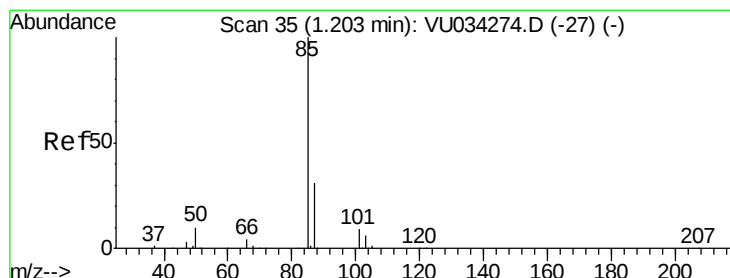
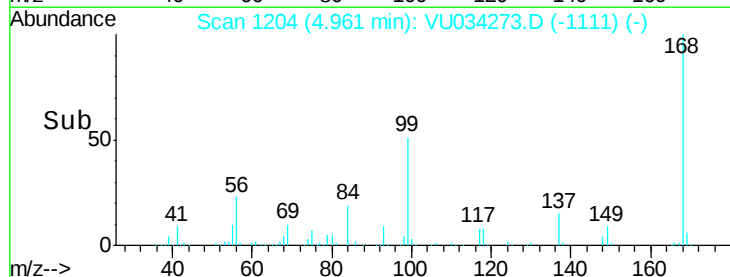
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.080 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034273.D

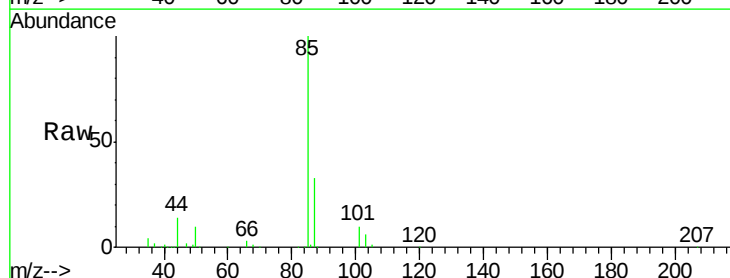
Acq: 05 Sep 2019 10:00

Tgt Ion: 85 Resp: 60639

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034273.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034273.D (-1) (-)

1.20

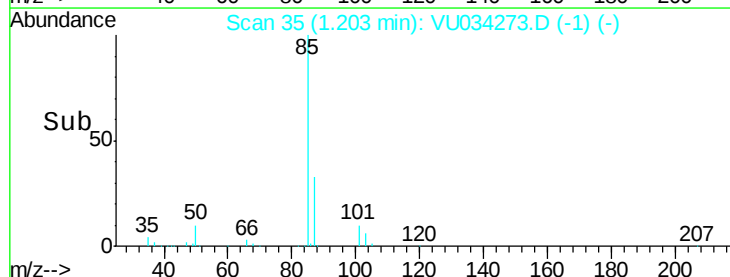
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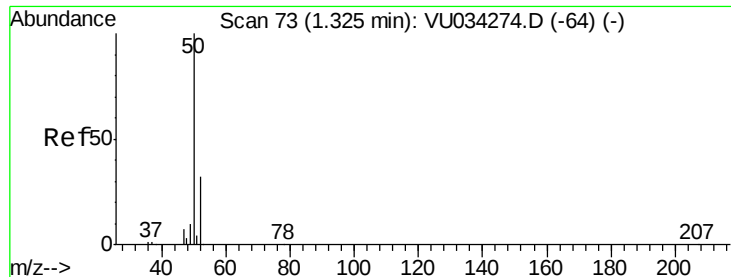
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20000

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Time-->





#3

Chloromethane

Concen: 16.387 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 72994

Ion Ratio Lower Upper

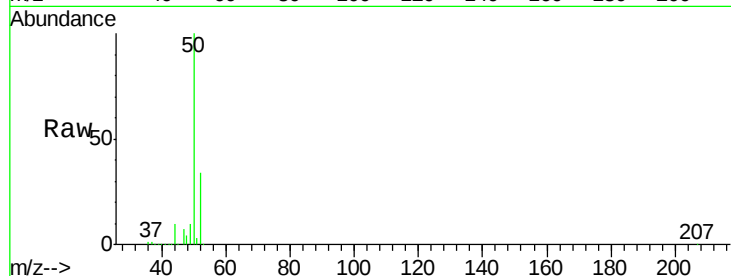
50 100

52 33.8 25.8 38.6

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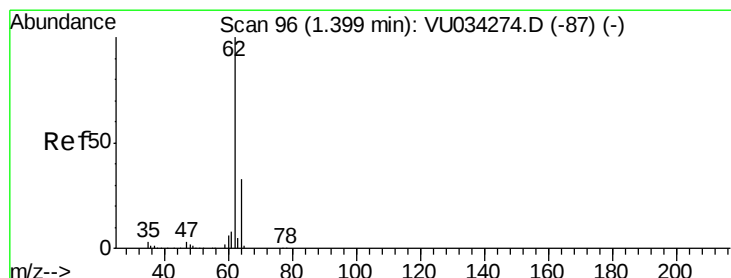
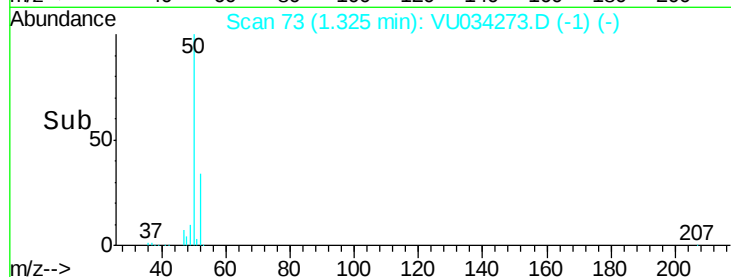
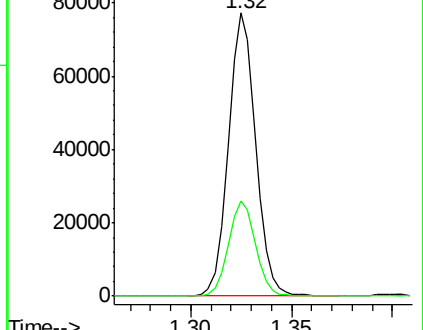
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Abundance Ion 49.90 (49.60 to 50.60): VU034273.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034273.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.484 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034273.D

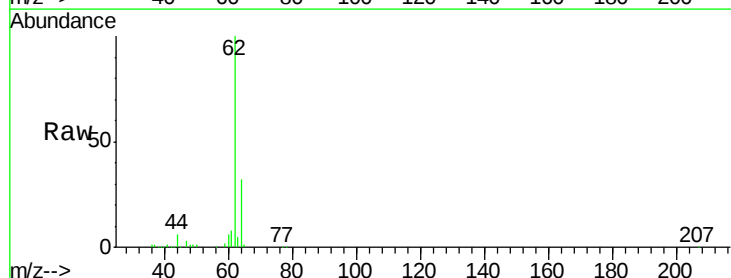
Acq: 05 Sep 2019 10:00

Tgt Ion: 62 Resp: 78016

Ion Ratio Lower Upper

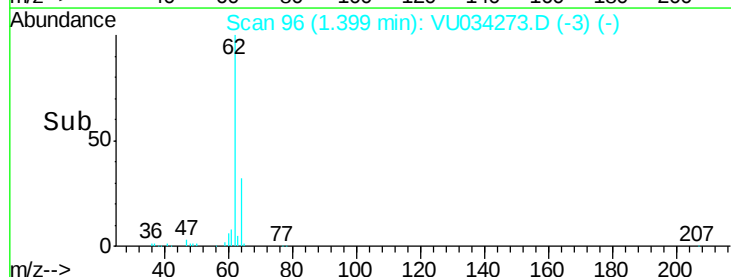
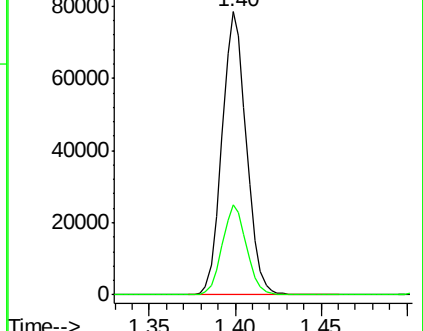
62 100

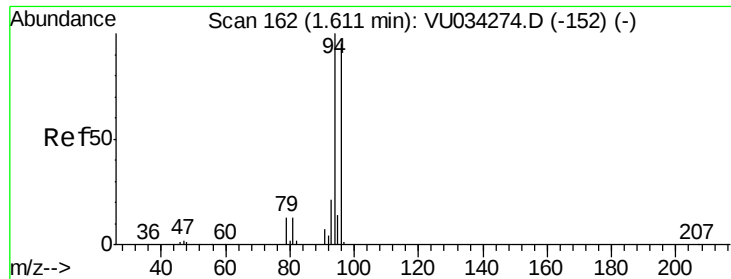
64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034273.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034273.D (-3) (-)





#5

Bromomethane

Concen: 21.540 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 45999

Ion Ratio Lower Upper

94 100

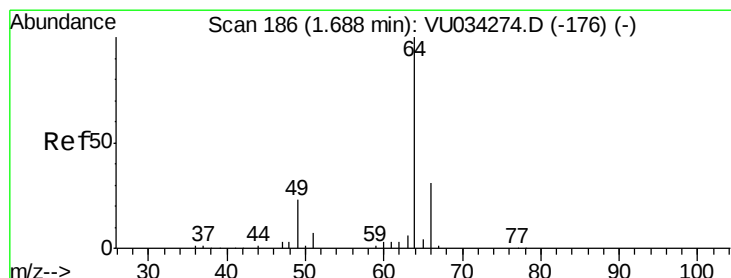
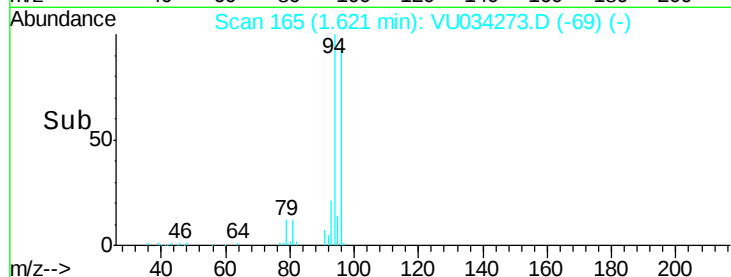
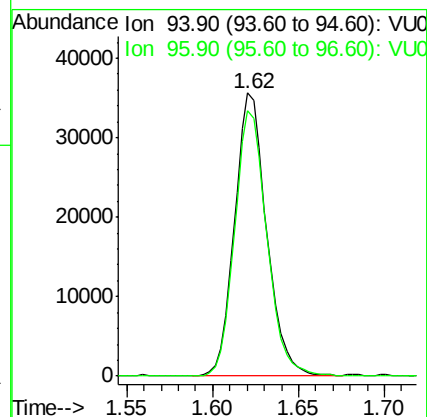
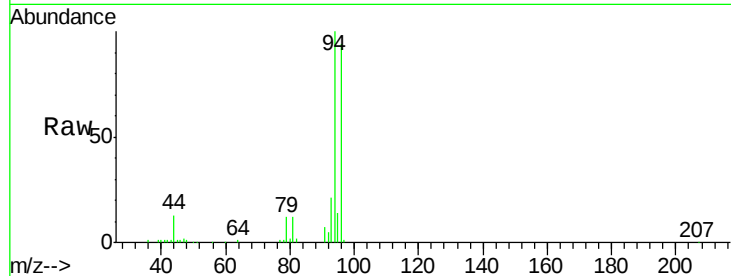
96 93.9 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 19.984 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034273.D

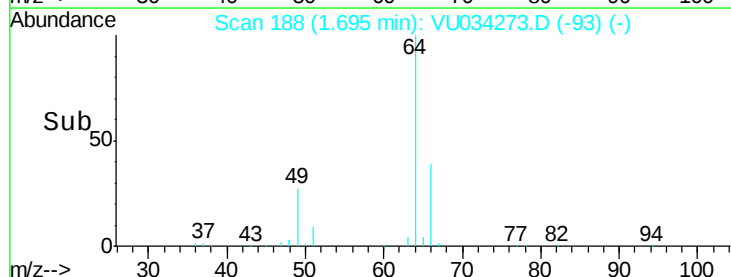
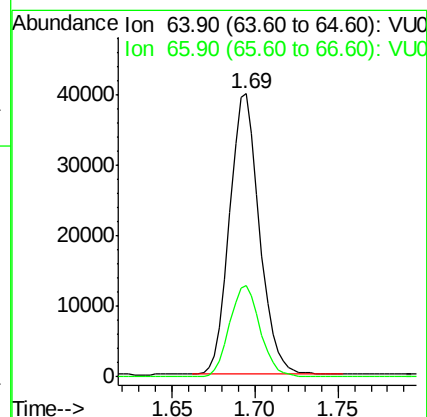
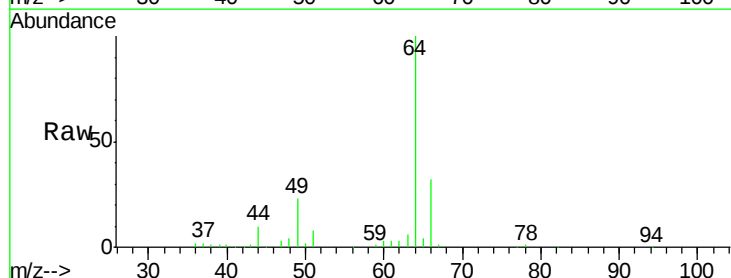
Acq: 05 Sep 2019 10:00

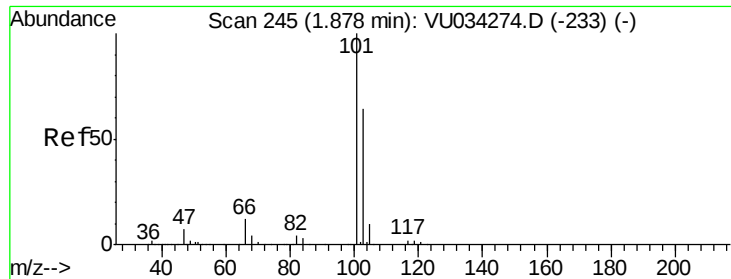
Tgt Ion: 64 Resp: 49714

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.6





#7

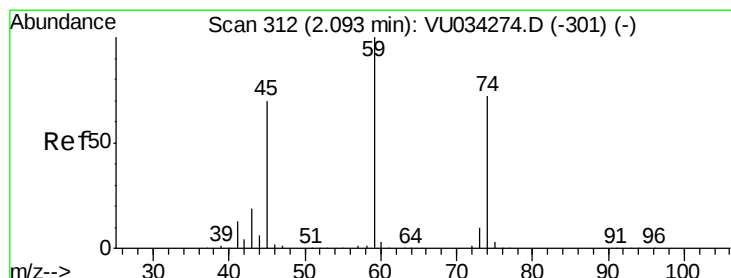
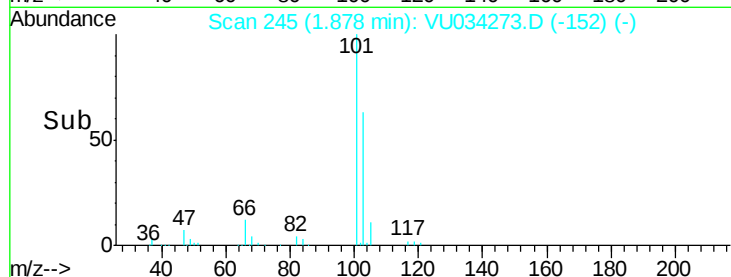
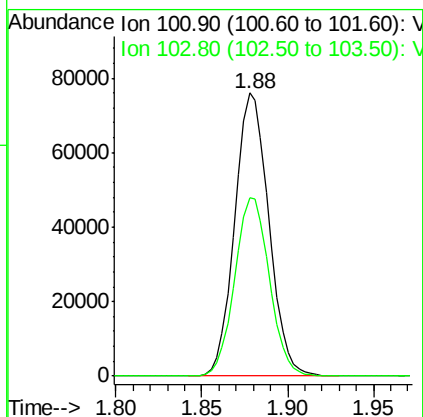
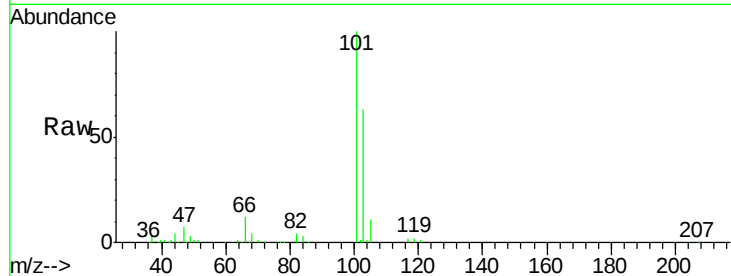
Trichlorofluoromethane
 Concen: 22.077 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.0	76.6

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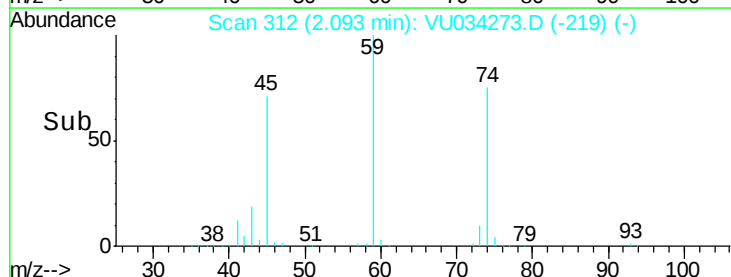
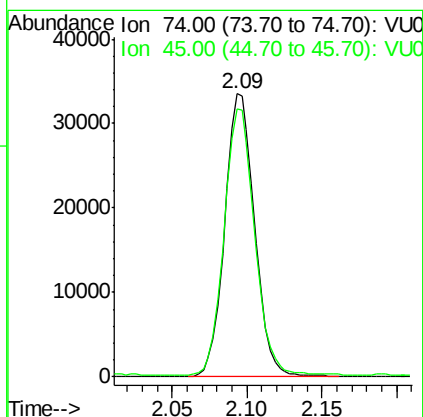
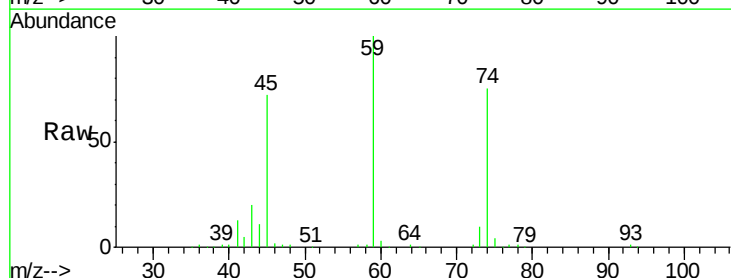
MMDadoda
 9/6/2019 3:21:30 PM



#8

Diethyl Ether
 Concen: 22.681 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.686 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

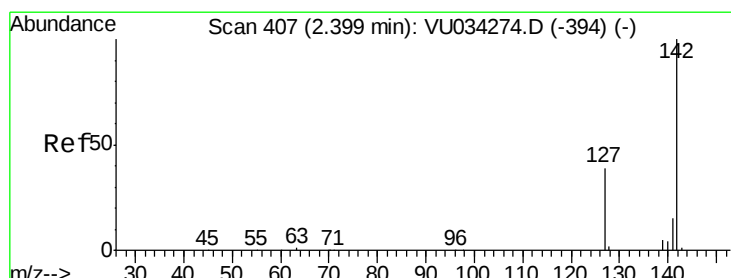
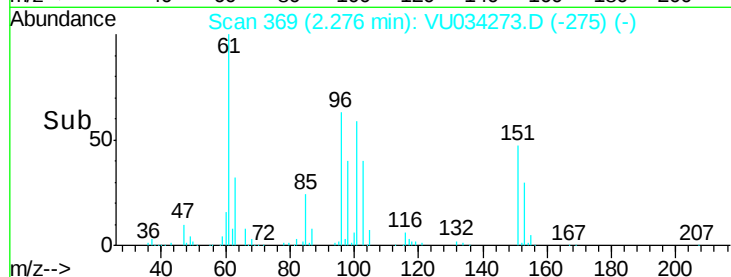
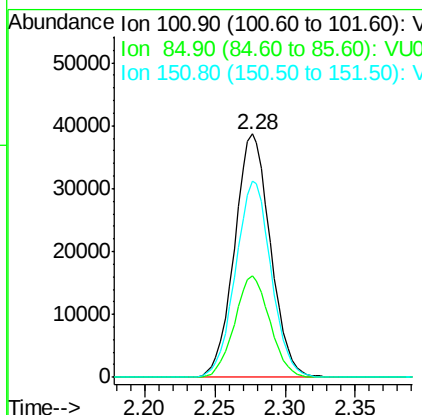
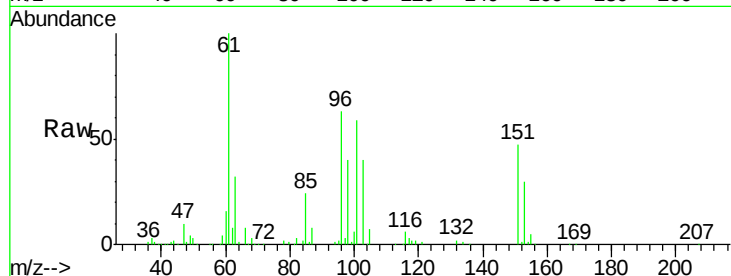
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	68980
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.4	51.6
151	80.0	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 13.562 ug/l

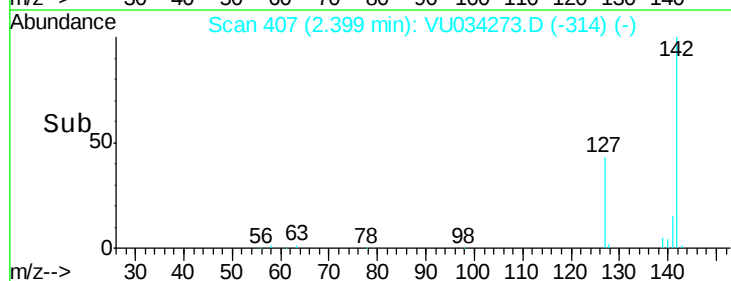
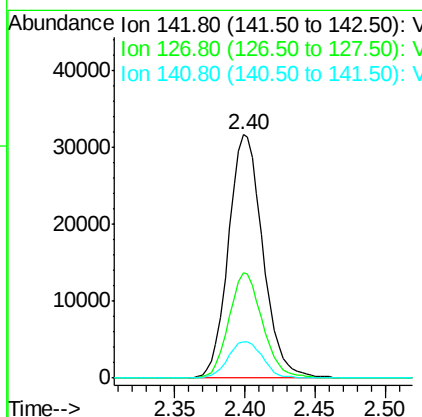
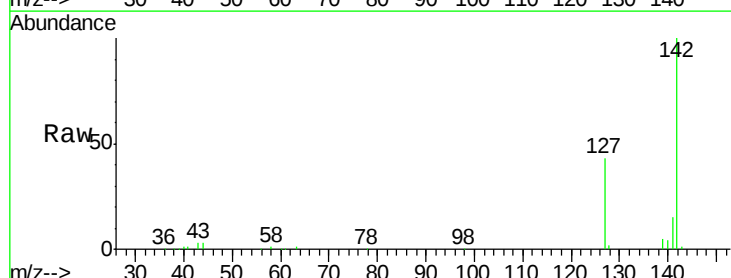
RT: 2.40 min Scan# 407

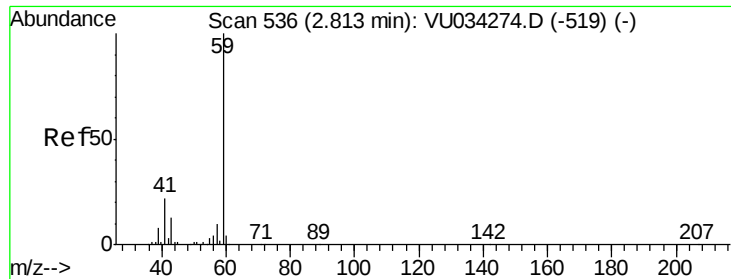
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	142	Resp:	53924
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.1	48.1
141	15.1	11.5	17.3





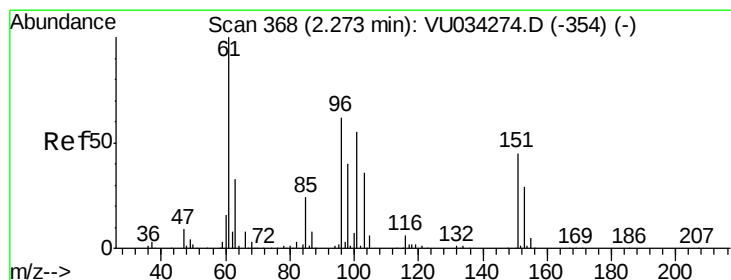
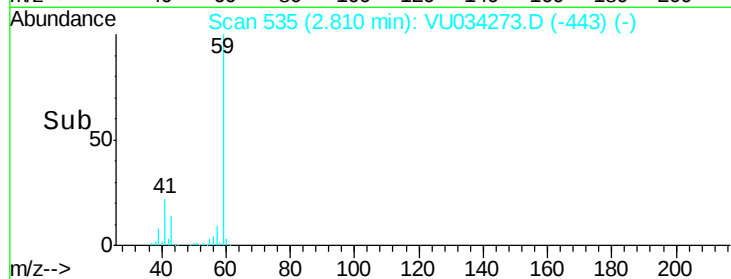
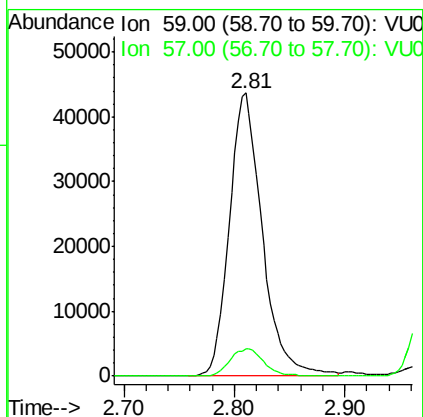
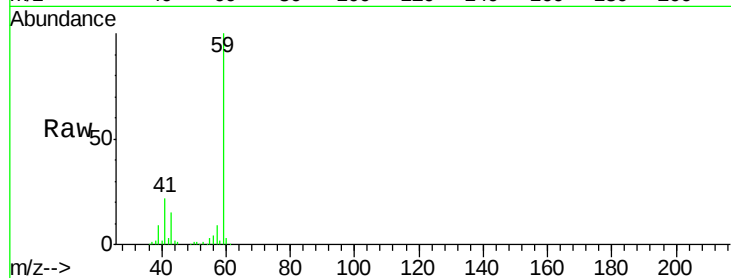
#11
Tert butyl alcohol
Concen: 99.457 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

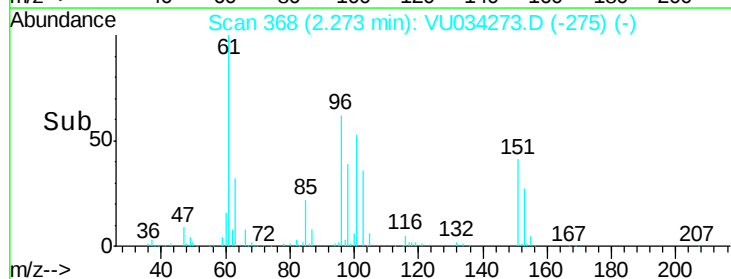
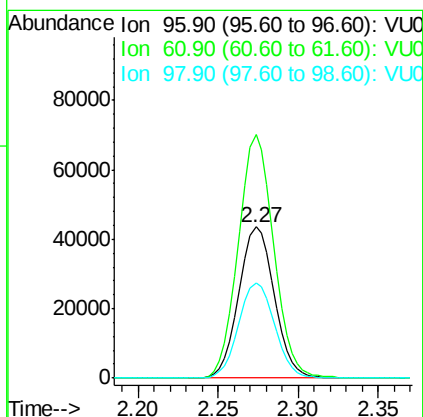
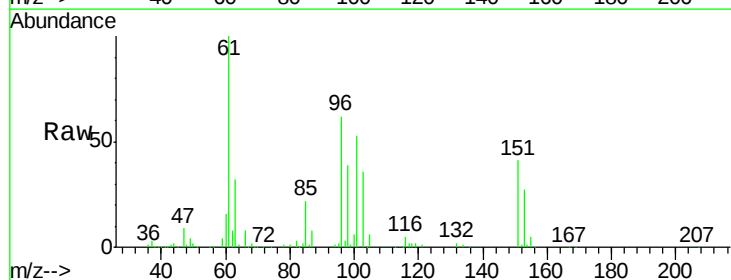
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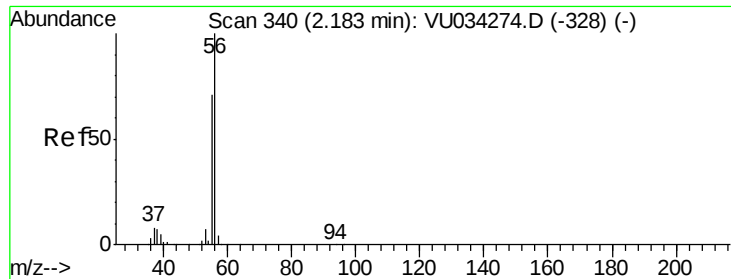
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.518 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.1	130.0	195.0
98	62.9	52.2	78.4





#13

Acrolein

Concen: 175.882 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 81752

Ion Ratio Lower Upper

56 100

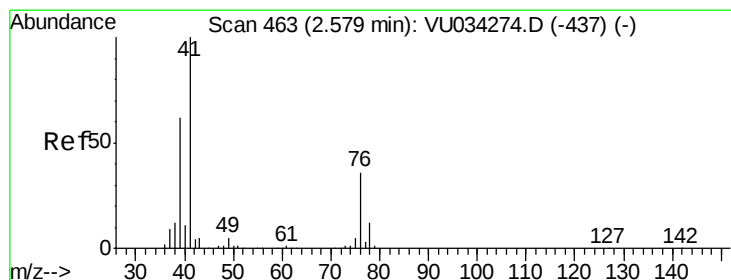
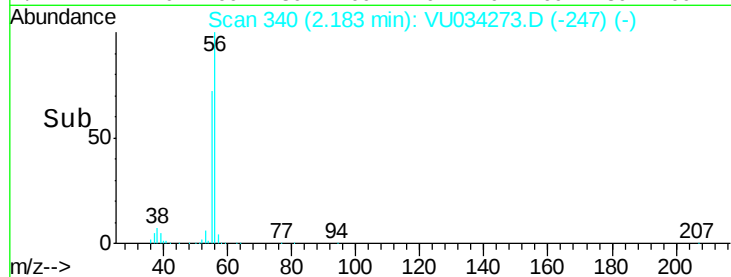
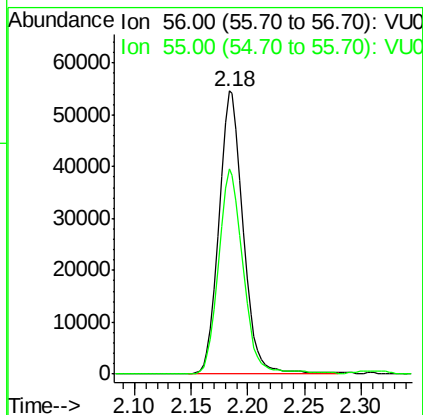
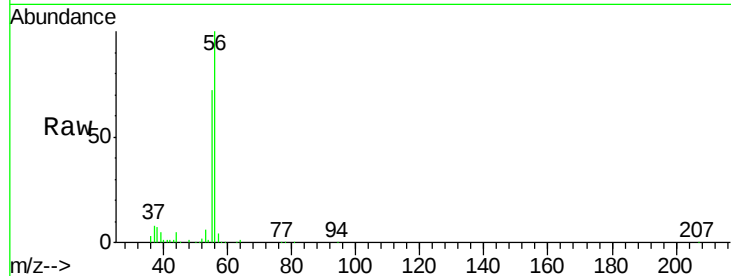
55 72.5 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.188 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

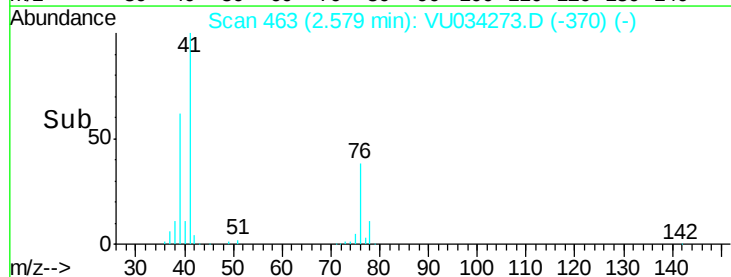
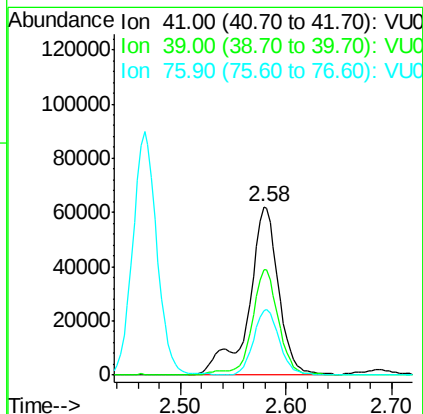
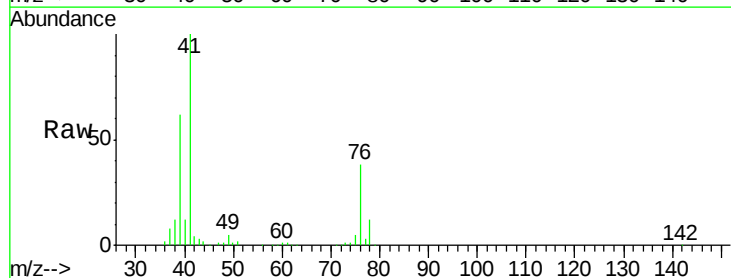
Tgt Ion: 41 Resp: 122539

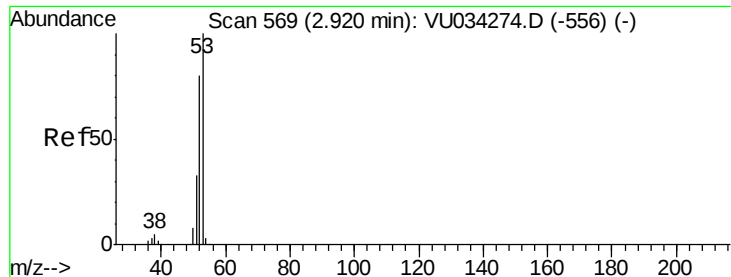
Ion Ratio Lower Upper

41 100

39 55.9 43.5 65.3

76 33.0 27.0 40.6





#15

Acrylonitrile

Concen: 116.924 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

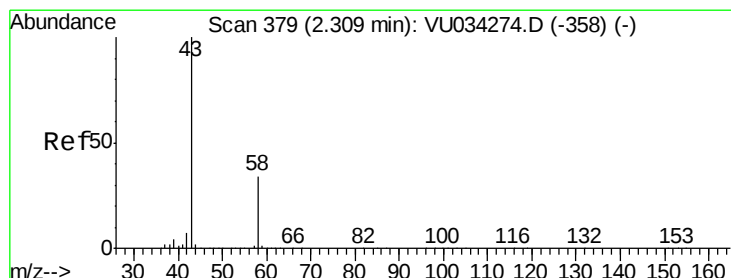
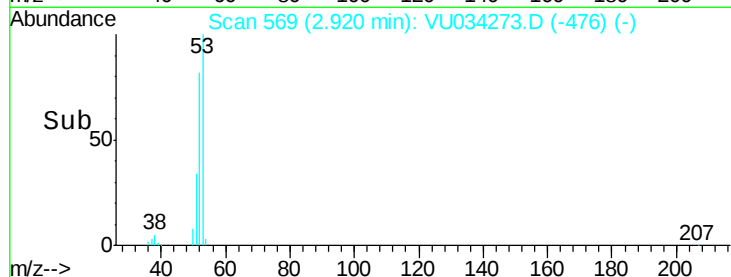
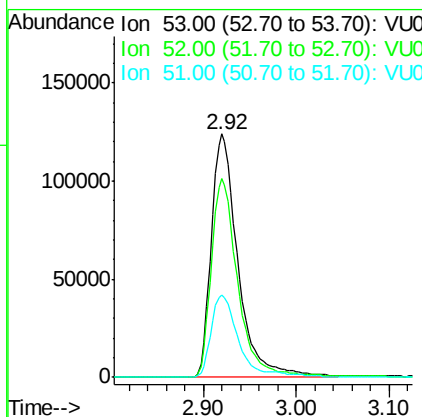
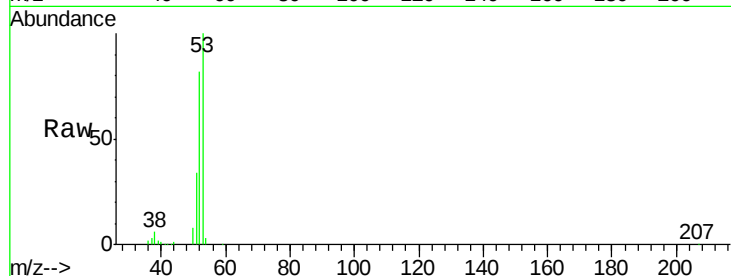
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	248433
Ion Ratio	Lower	Upper	
53	100		
52	81.7	64.1	96.1
51	32.9	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 120.421 ug/l

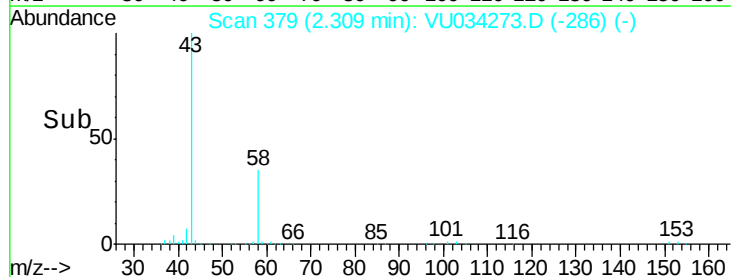
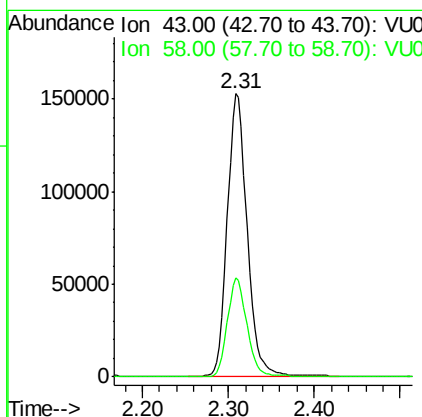
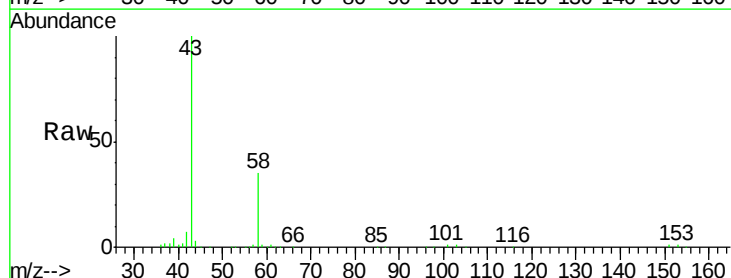
RT: 2.31 min Scan# 379

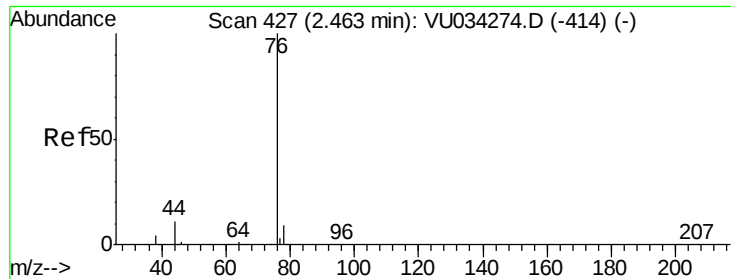
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	43	Resp:	244959
Ion Ratio	Lower	Upper	
43	100		
58	35.0	27.6	41.4





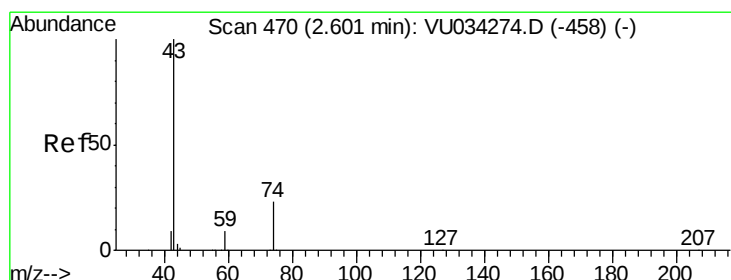
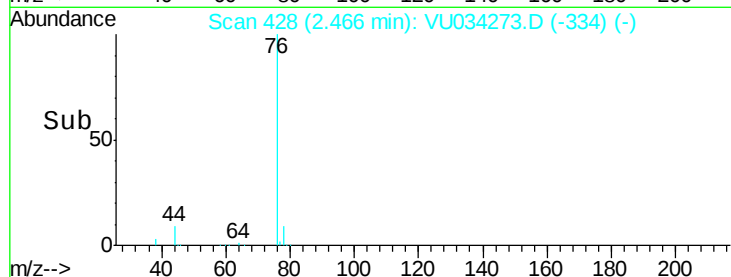
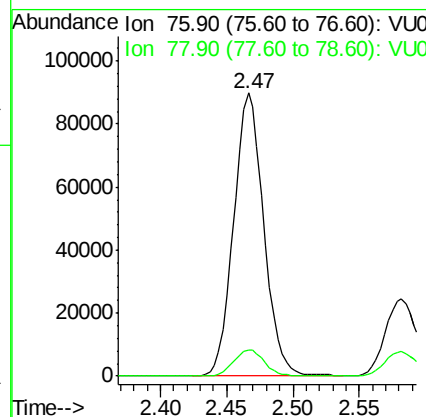
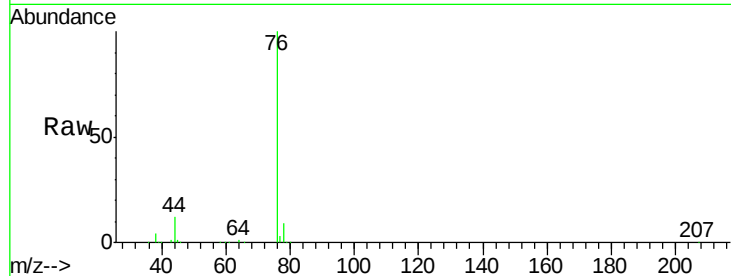
#17
Carbon Disulfide
Concen: 15.321 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

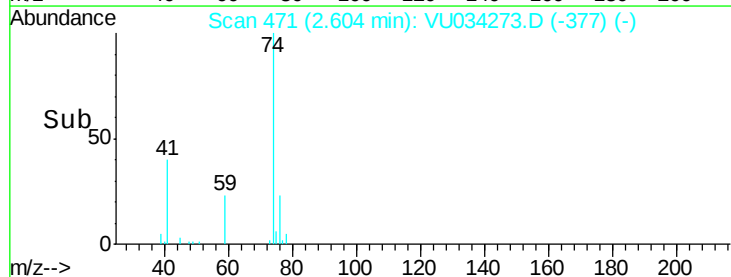
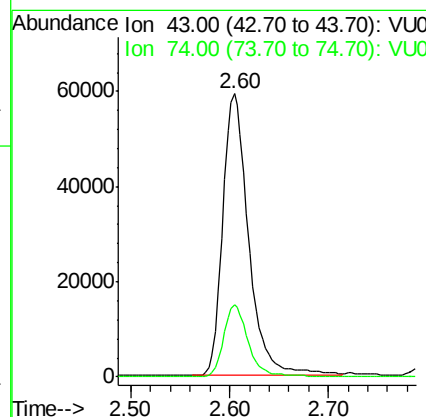
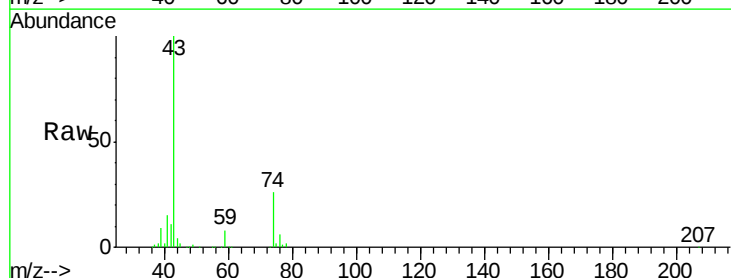
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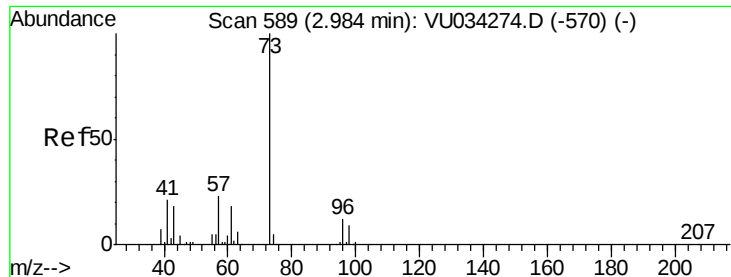
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#18
Methyl Acetate
Concen: 20.882 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3





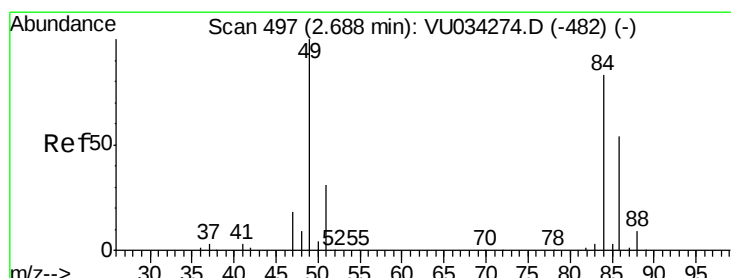
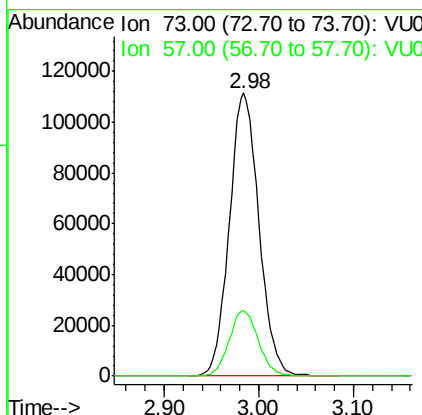
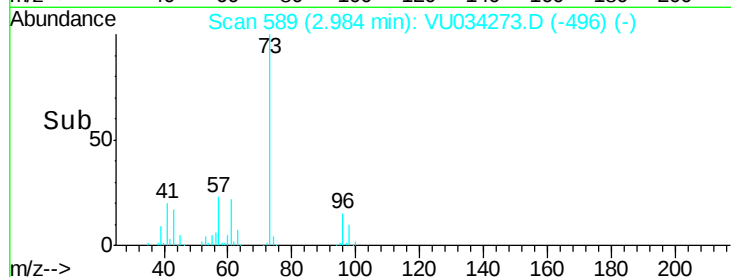
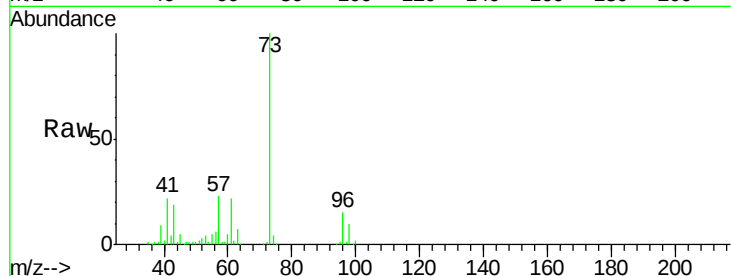
#19
Methvl tert-butvl Ether
Concen: 23.613 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 242393
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4

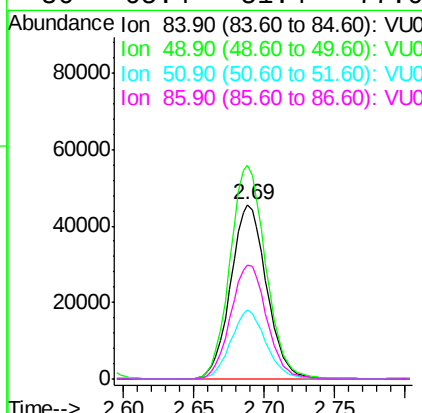
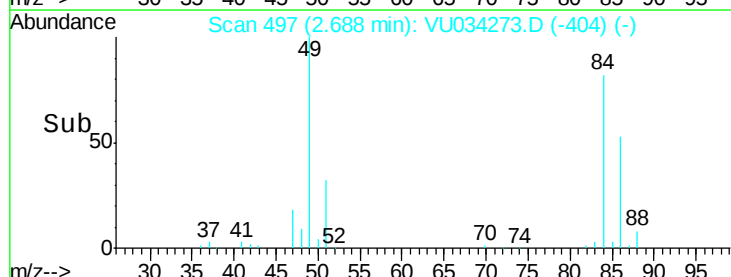
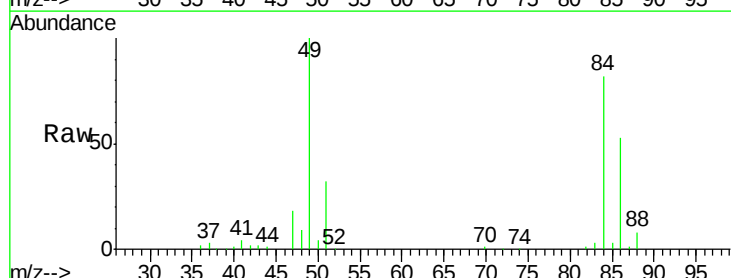
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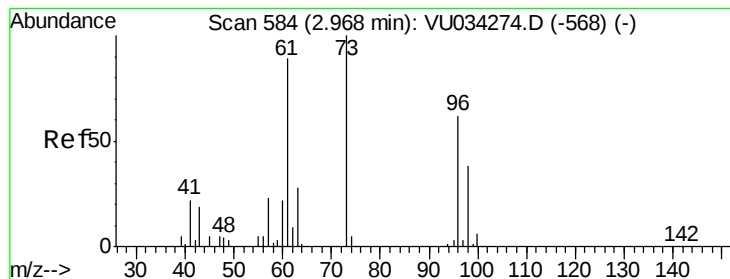
MMDadoda
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#20
Methylene Chloride
Concen: 21.221 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion: 84 Resp: 81232
Ion Ratio Lower Upper
84 100
49 122.2 96.0 144.0
51 39.4 30.0 45.0
86 65.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.588 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 68064

Ion Ratio Lower Upper

96 100

61 146.7 114.8 172.2

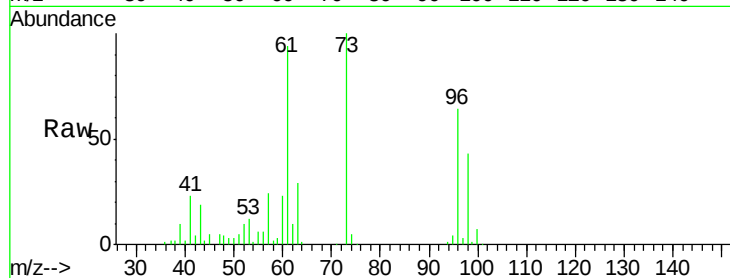
98 67.5 49.8 74.8

Manual Integrations

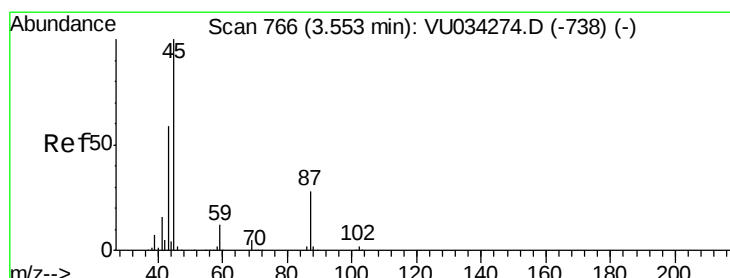
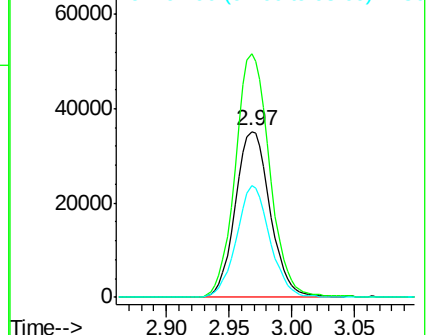
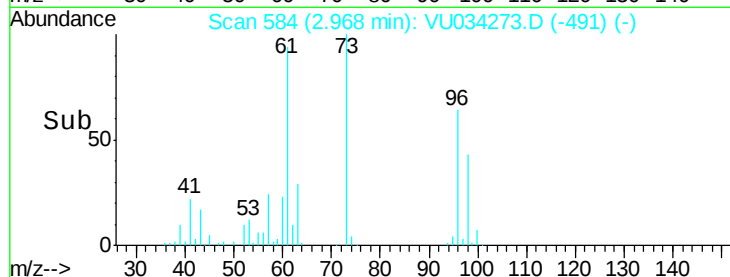
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Abundance Ion 95.90 (95.60 to 96.60): VU034273.D (-491) (-)



#22

Diisopropyl ether

Concen: 23.994 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion: 45 Resp: 258498

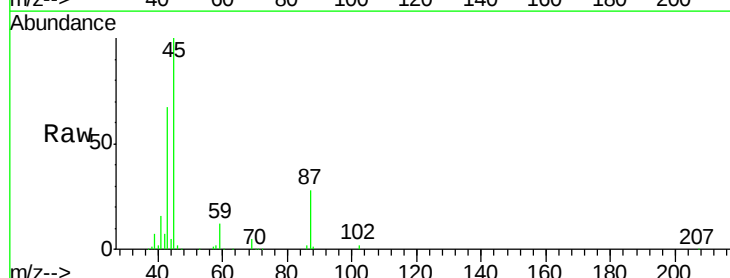
Ion Ratio Lower Upper

45 100

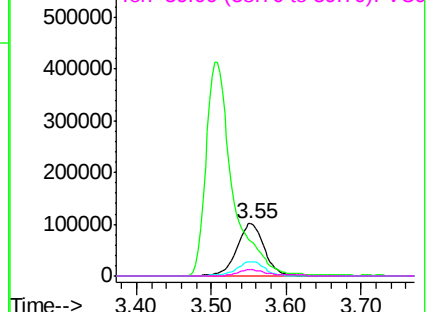
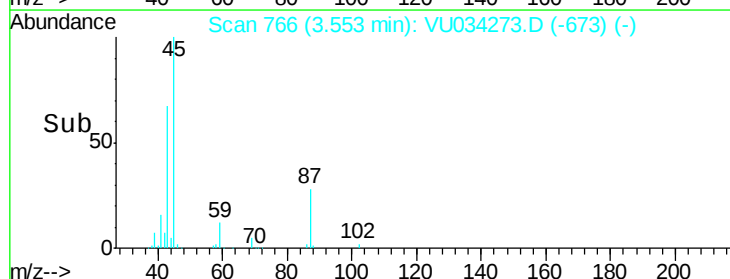
43 65.1 47.5 71.3

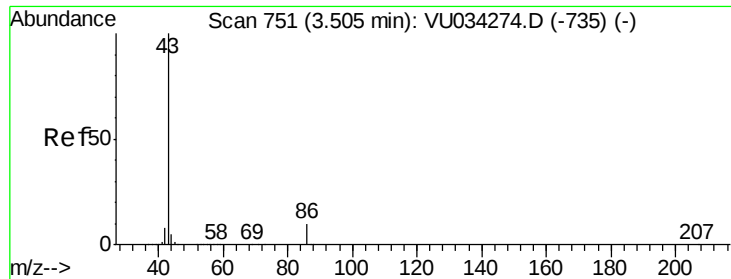
87 27.8 22.2 33.4

59 12.1 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034273.D (-673) (-)





#23

Vinyl Acetate

Concen: 112.252 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1029390

Ion Ratio Lower Upper

43 100

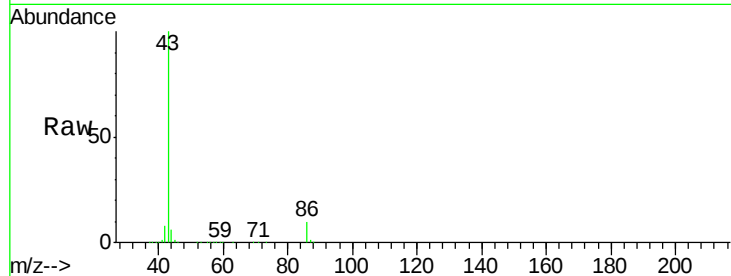
86 10.3 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034273.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034273.D (-658) (-)

3.51

400000

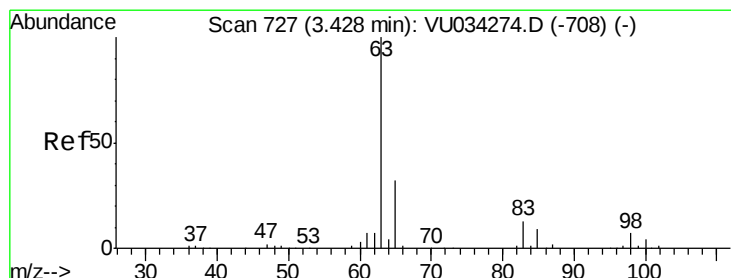
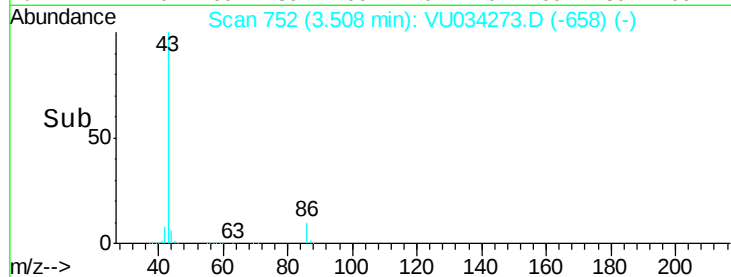
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.166 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

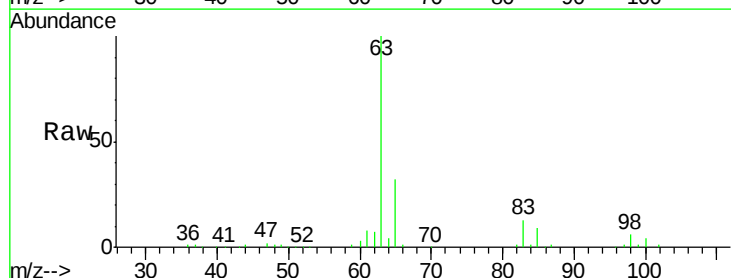
Tgt Ion: 63 Resp: 146621

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034273.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034273.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034273.D (-634) (-)

3.43

80000

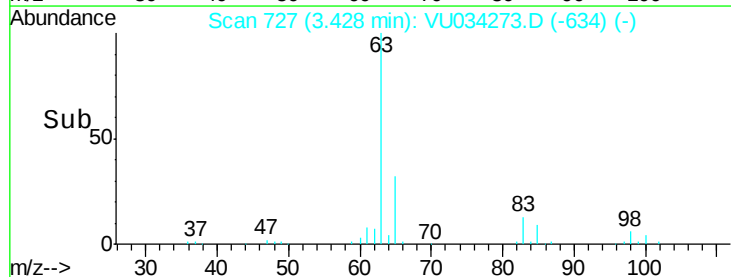
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 116.295 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 328820

Ion Ratio Lower Upper

43 100

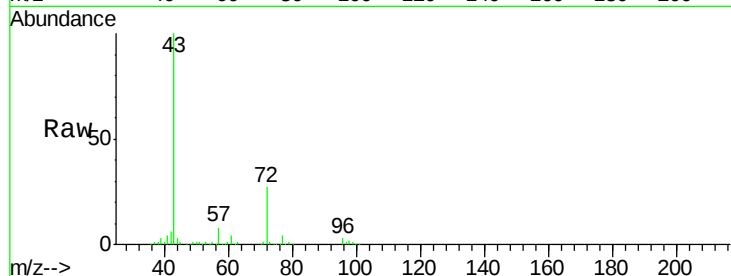
72 27.2 21.8 32.6

Manual Integrations

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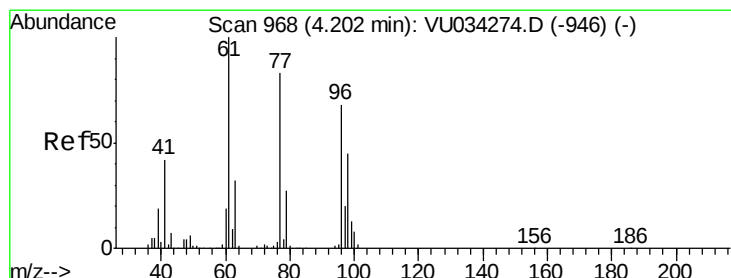
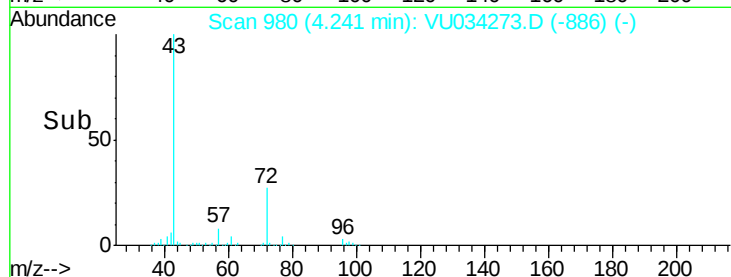
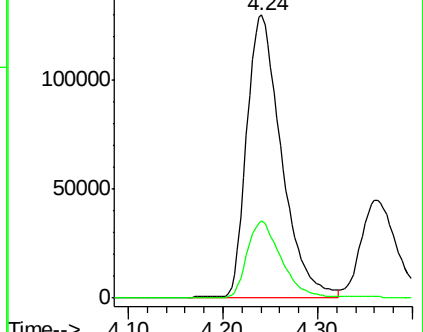
MMDadoda

9/6/2019 3:21:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034273.D (-980) (-)

Ion 72.00 (71.70 to 72.70): VU034273.D (-980) (-)



#26

2,2-Dichloropropane

Concen: 22.816 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034273.D

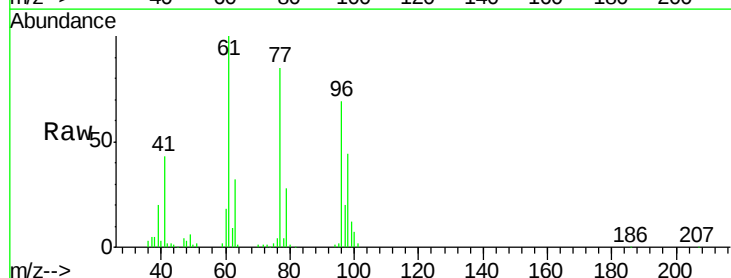
Acq: 05 Sep 2019 10:00

Tgt Ion: 77 Resp: 117344

Ion Ratio Lower Upper

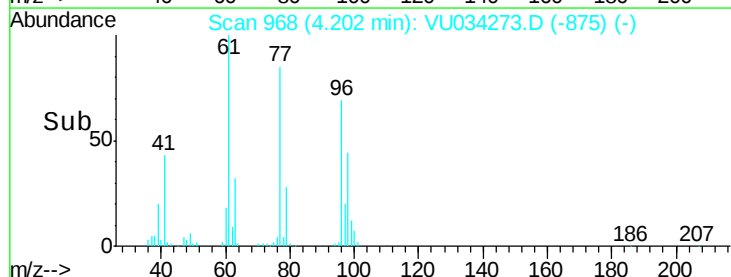
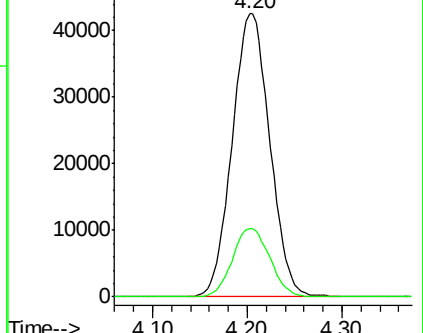
77 100

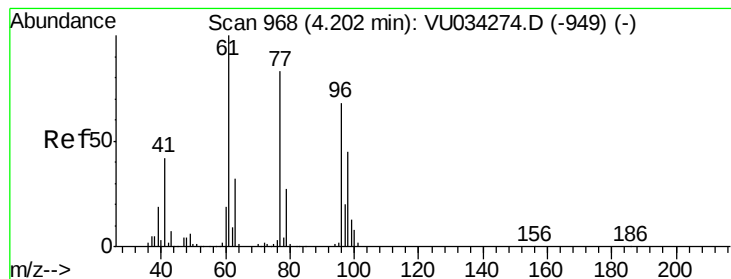
97 24.1 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034273.D (-968) (-)

Ion 96.90 (96.60 to 97.60): VU034273.D (-968) (-)





#27

cis-1,2-Dichloroethene

Concen: 22.146 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

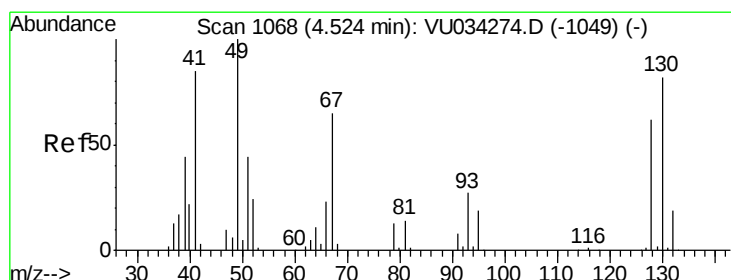
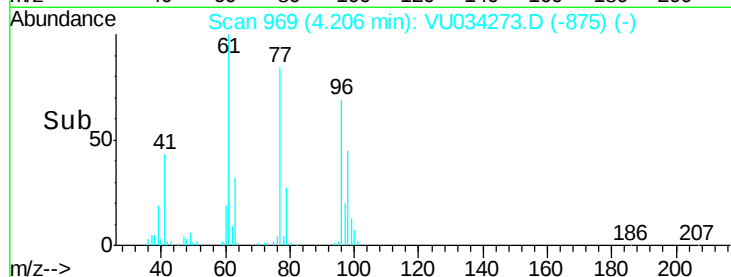
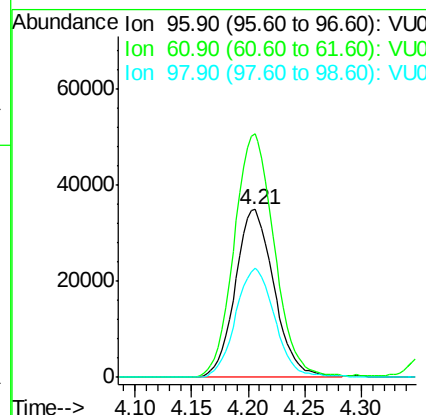
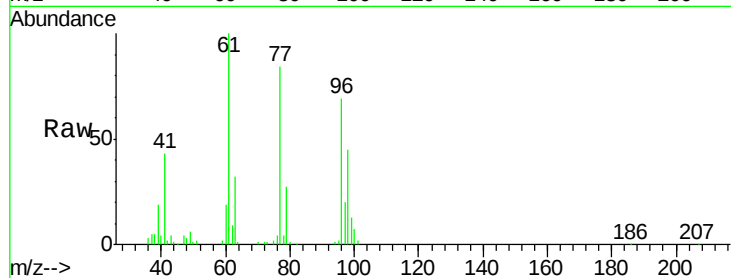
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	83626
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	297.4
98	65.2	0.0	130.0

Manual Integrations
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9/6/2019 3:21:30 PM



#28

Bromochloromethane

Concen: 21.738 ug/l

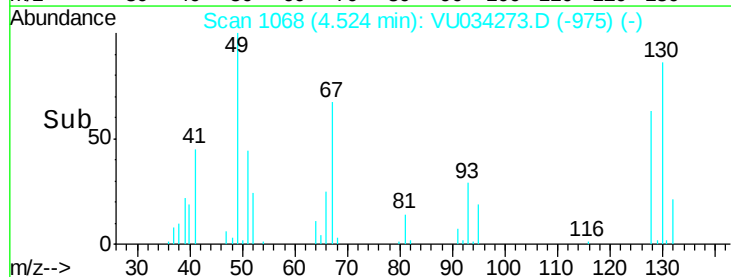
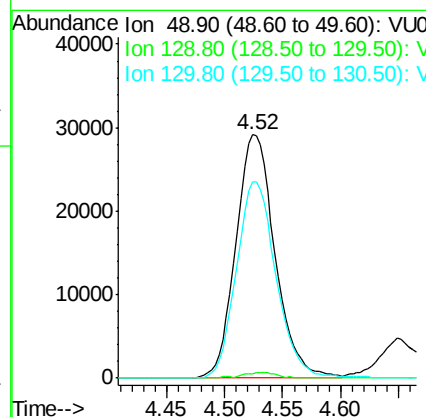
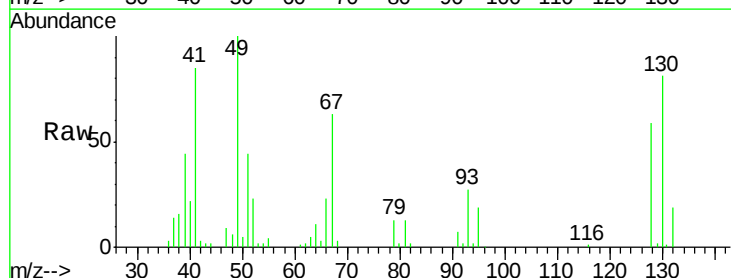
RT: 4.52 min Scan# 1068

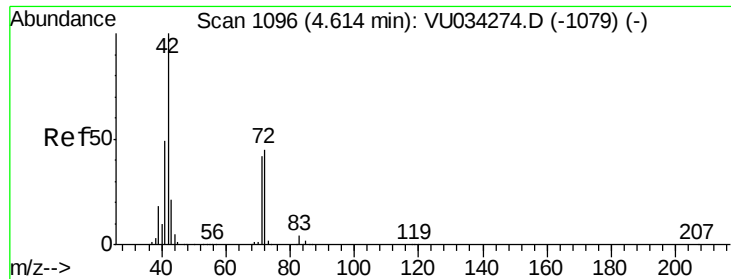
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	49	Resp:	68193
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	81.6	65.2	97.8





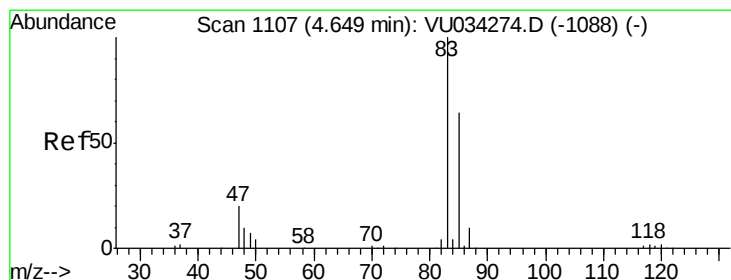
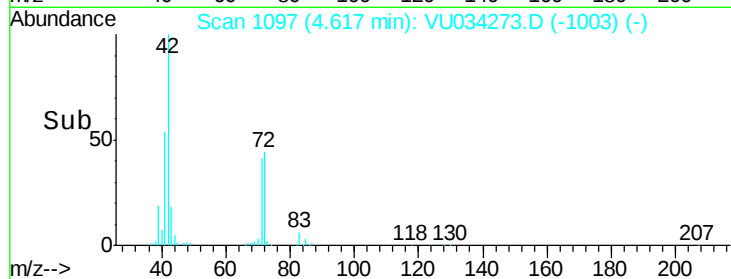
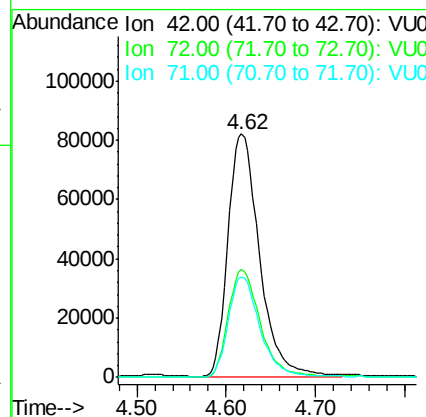
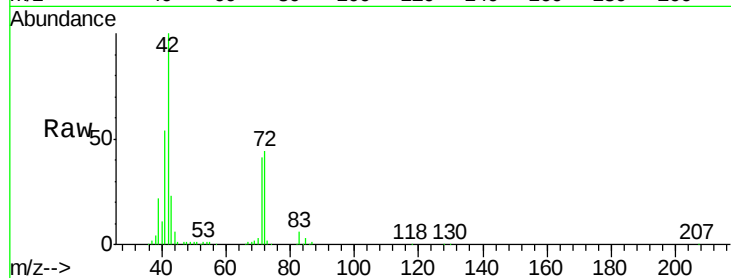
#29
Tetrahydrofuran
Concen: 114.985 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.6	54.8
71	42.0	34.3	51.5

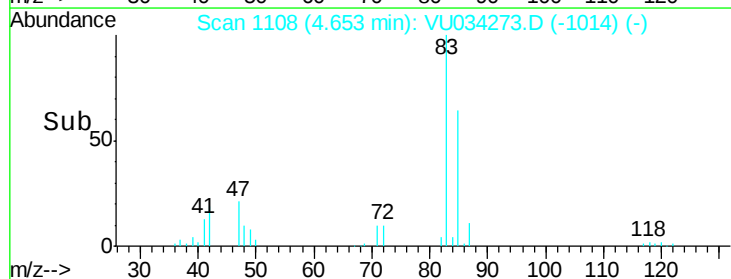
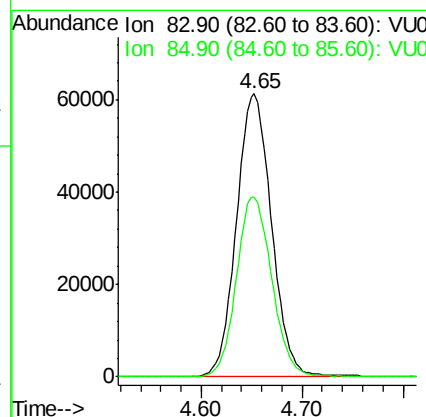
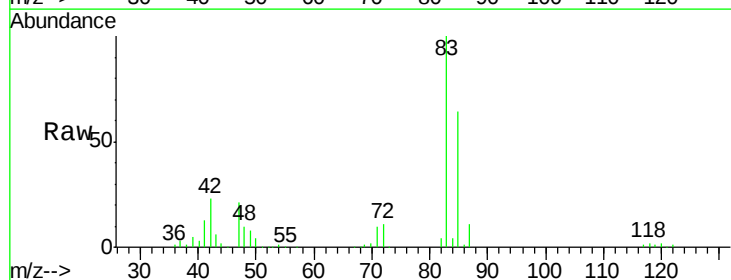
Manual Integrations
APPROVED

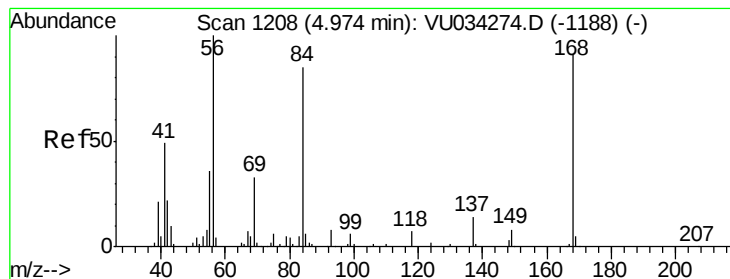
MMDadoda
9/6/2019 3:21:30 PM



#30
Chloroform
Concen: 23.208 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 18.826 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

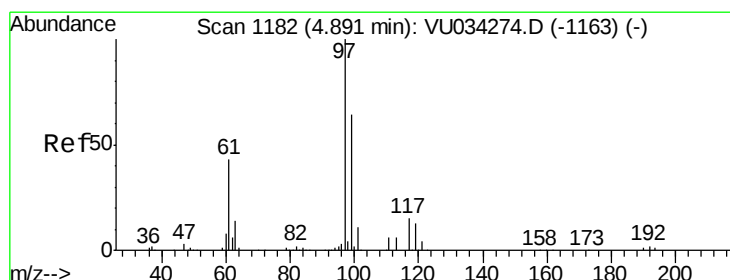
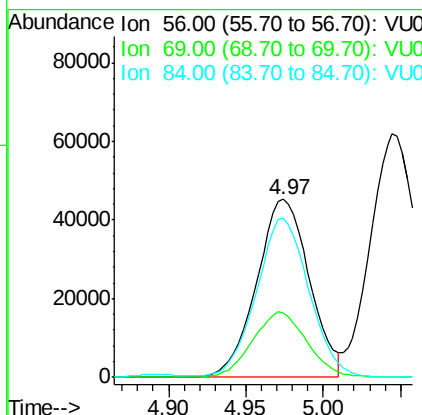
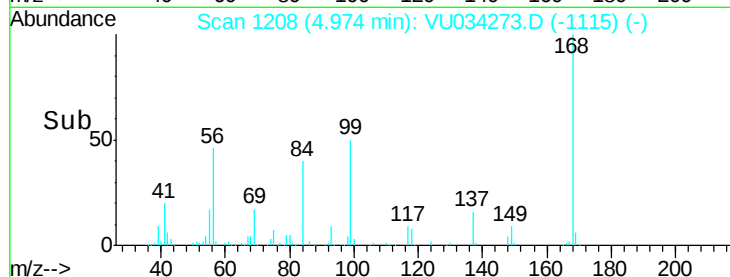
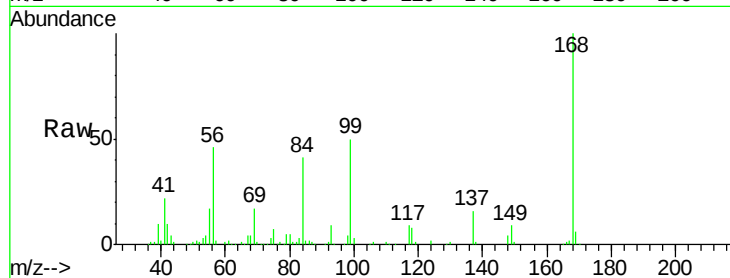
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	107328
Ion Ratio	Lower	Upper	
56	100		
69	36.4	26.7	40.1
84	88.2	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.326 ug/l

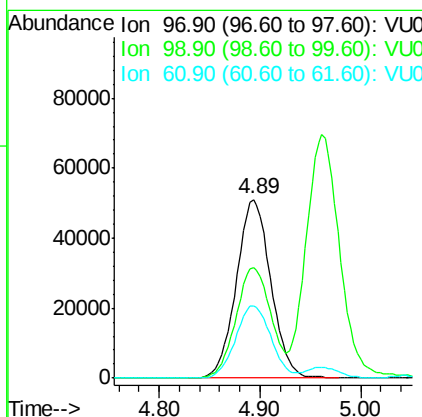
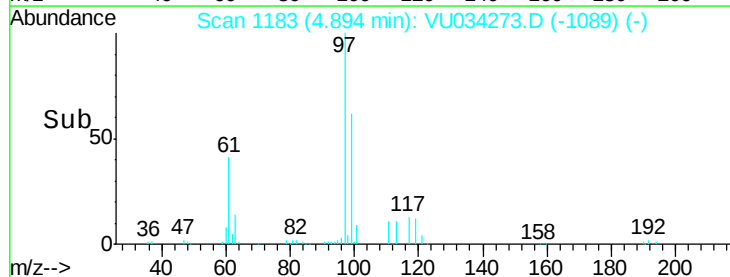
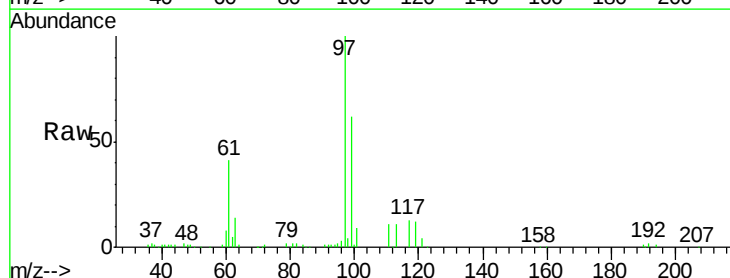
RT: 4.89 min Scan# 1183

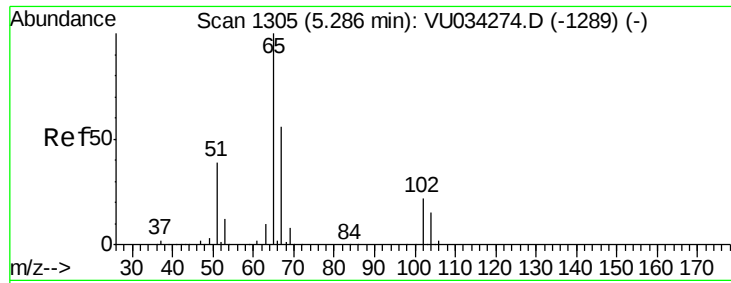
Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	97	Resp:	120729
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.9	76.3
61	41.9	34.7	52.1





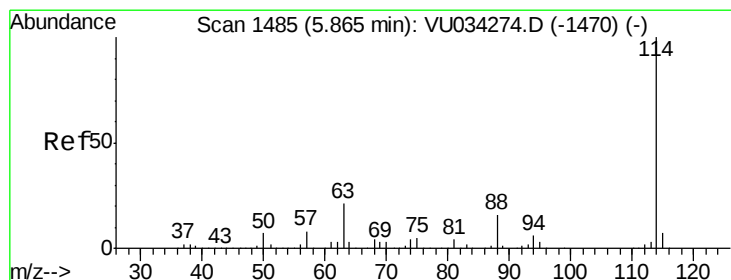
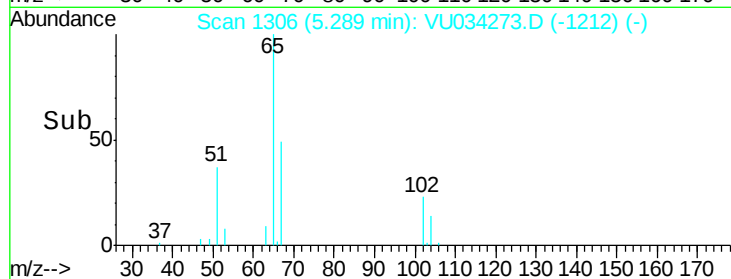
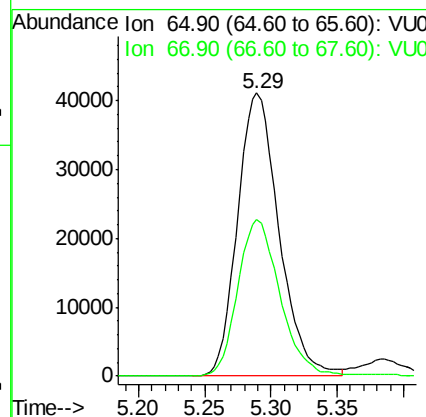
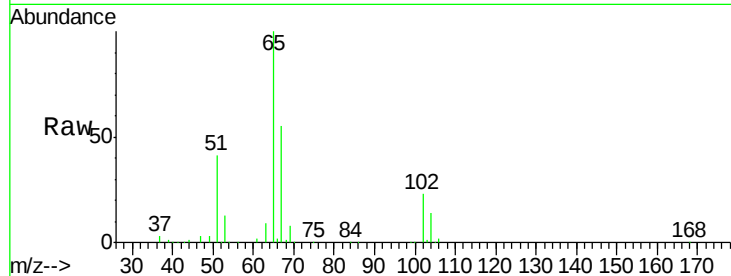
#33
 1,2-Dichloroethane-d4
 Concen: 22.014 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	112.4

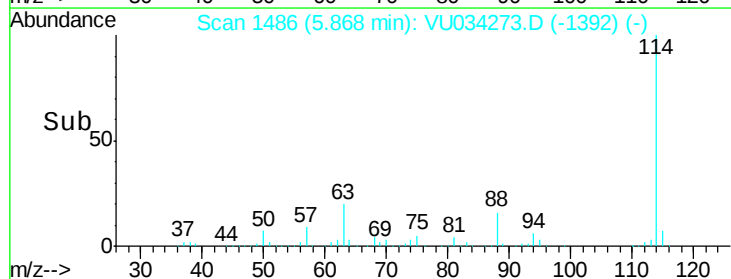
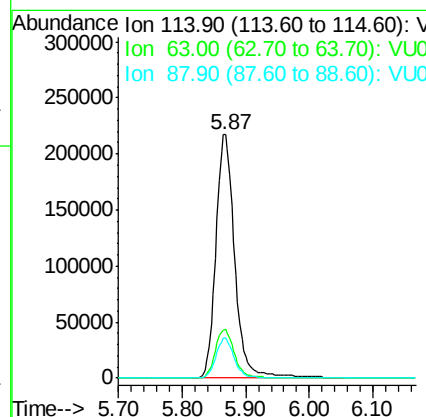
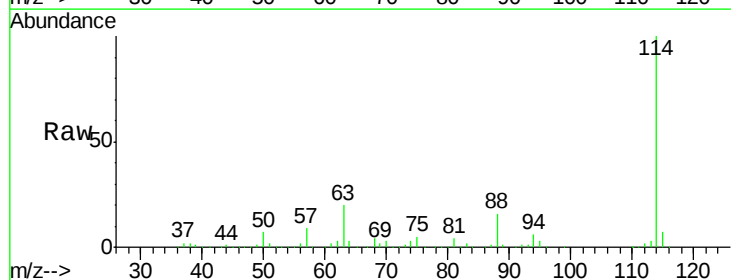
Manual Integrations
 APPROVED

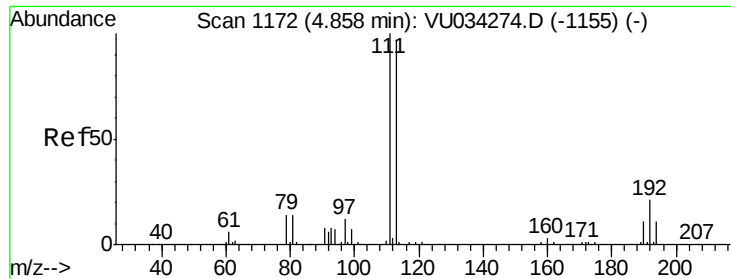
MMDadoda
 9/6/2019 3:21:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	16.5	0.0	32.4





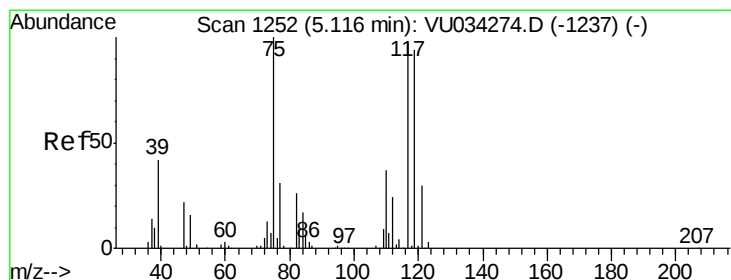
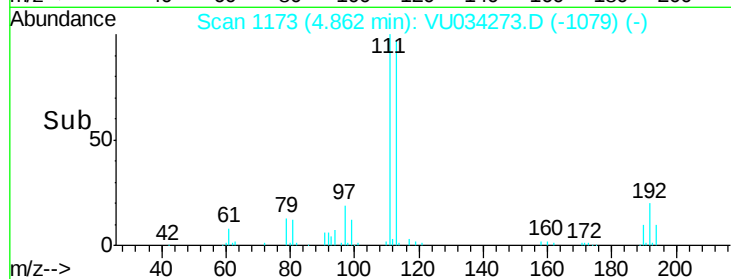
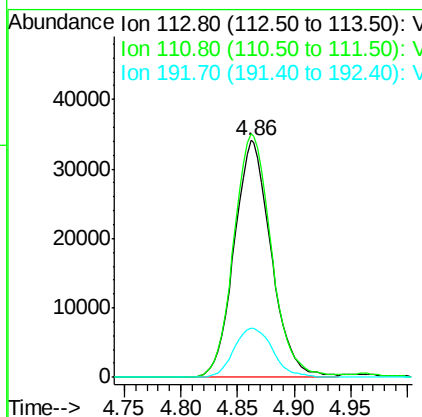
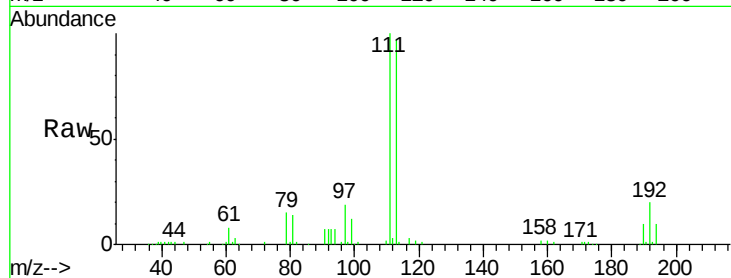
#35
Dibromofluoromethane
Concen: 23.558 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.5	122.3
192	21.9	17.8	26.8

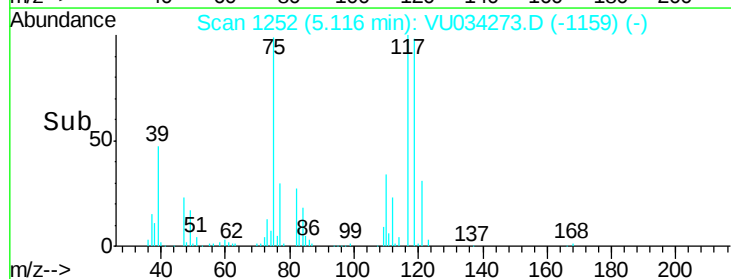
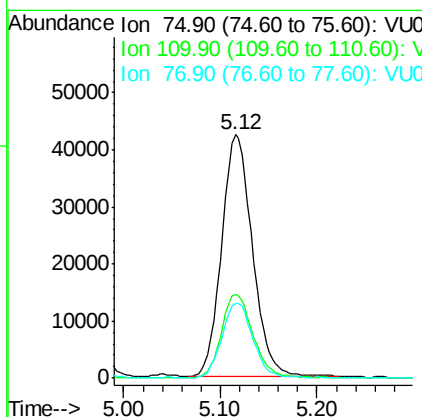
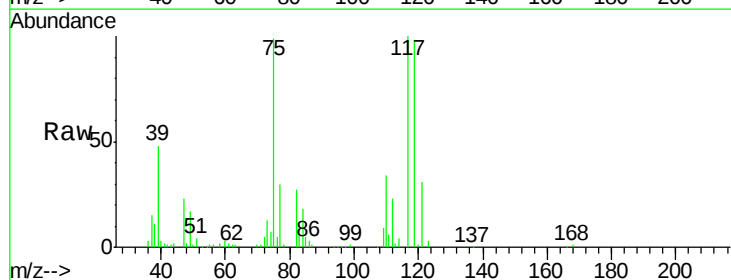
Manual Integrations
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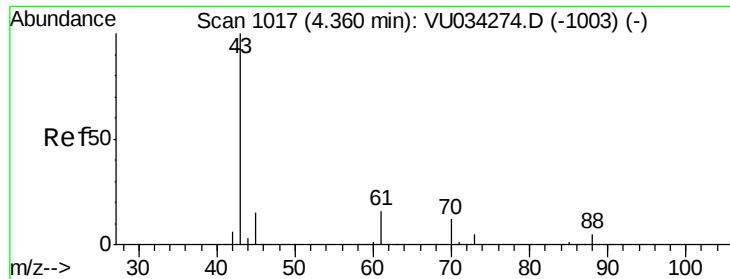
MMDadoda
9/6/2019 3:21:30 PM



#36
1,1-Dichloropropene
Concen: 22.118 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.3	54.9
77	30.6	24.9	37.3





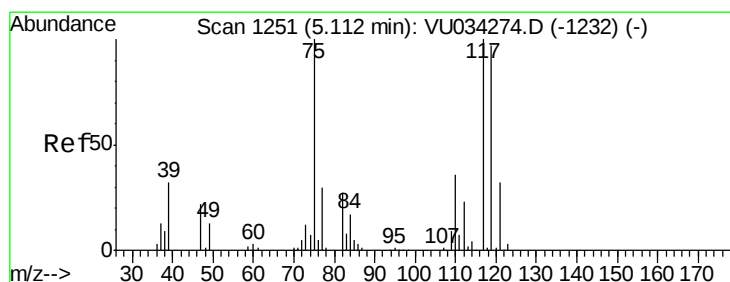
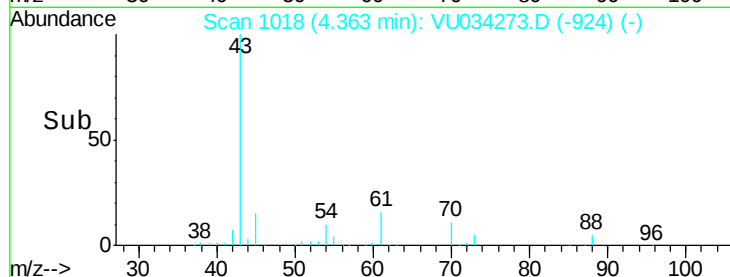
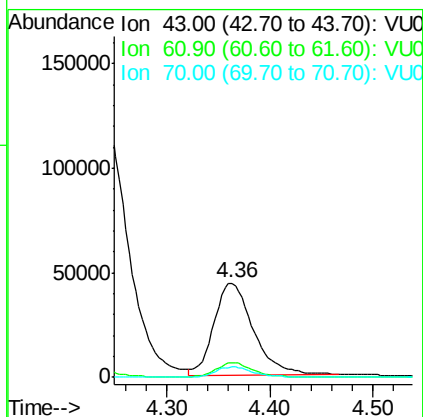
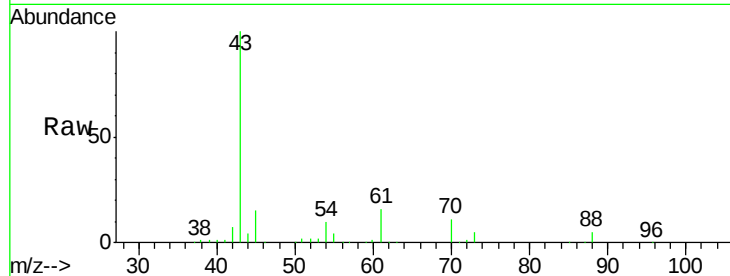
#37
Ethyl Acetate
Concen: 24.091 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.3	18.5
70	11.0	9.1	13.7

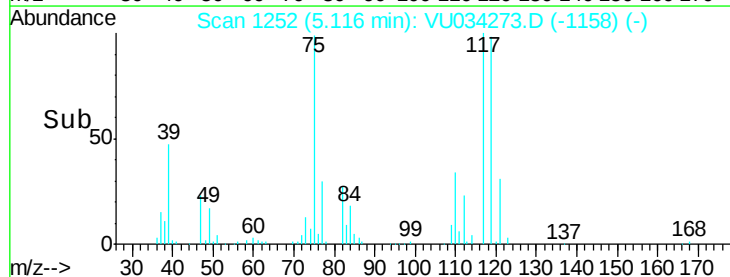
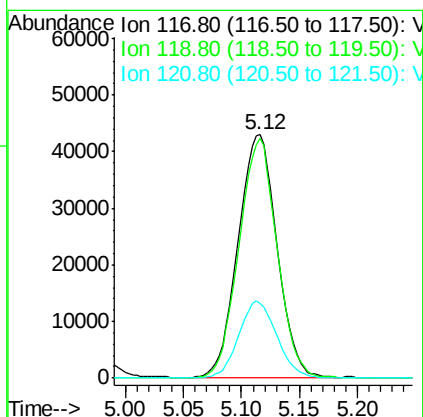
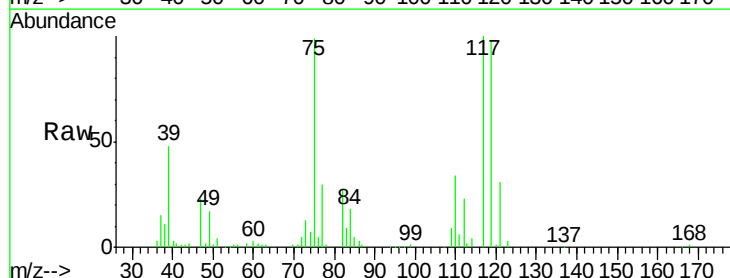
Manual Integrations
APPROVED

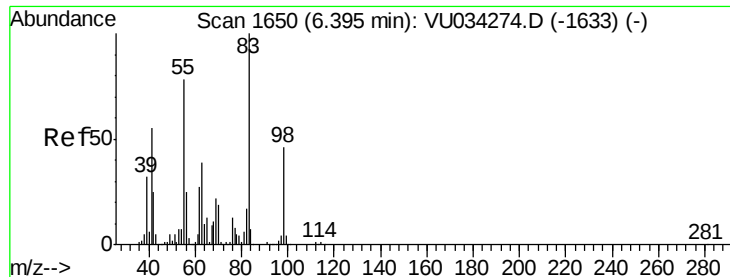
MMDadoda
9/6/2019 3:21:30 PM



#38
Carbon Tetrachloride
Concen: 23.992 ug/l
RT: 5.12 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.8	116.6
121	30.6	25.2	37.8





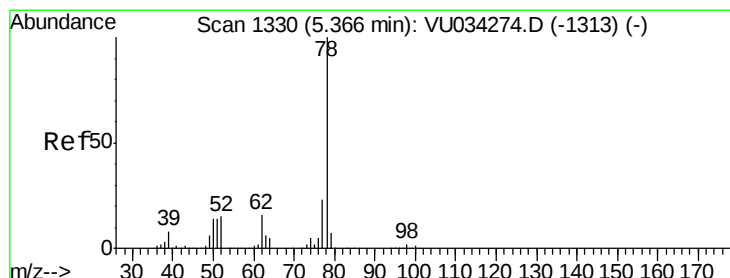
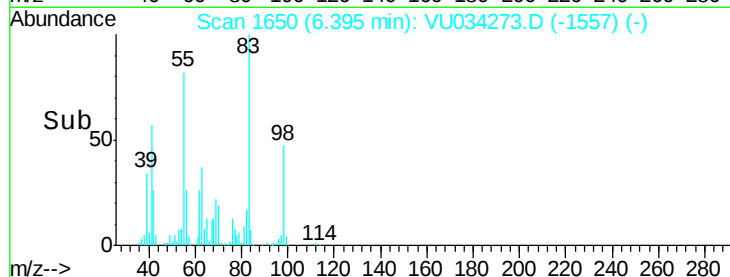
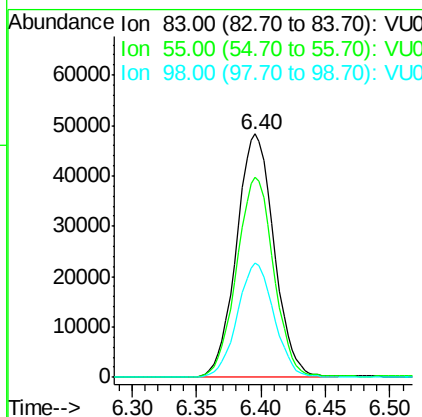
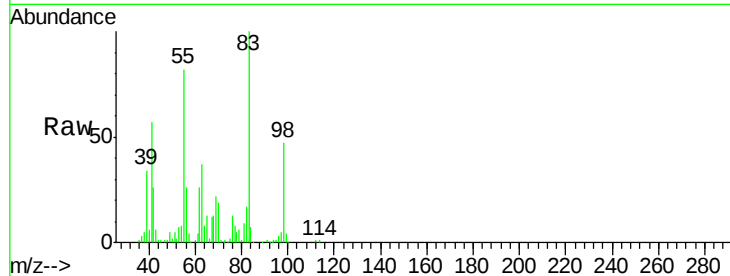
#39
Methvlcvclohexane
Concen: 19.953 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	62.1	93.1
98	47.2	37.0	55.6

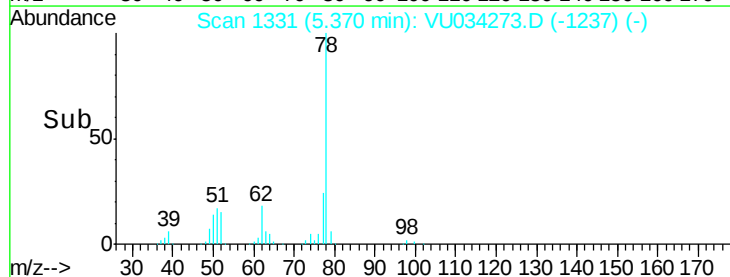
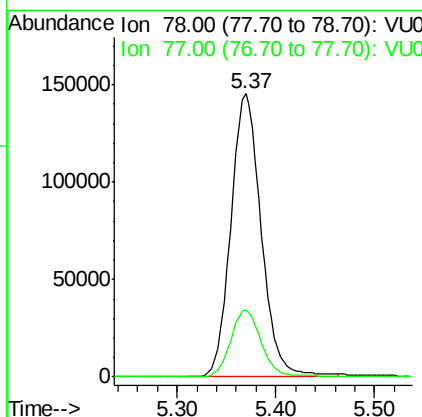
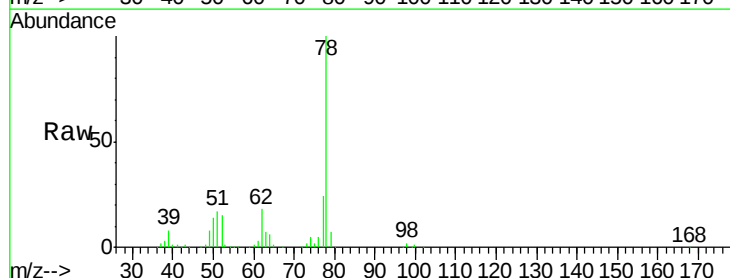
Manual Integrations
APPROVED

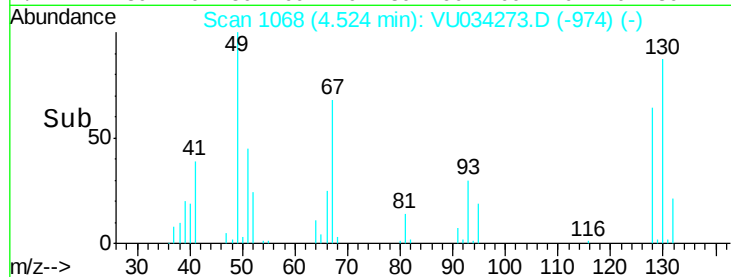
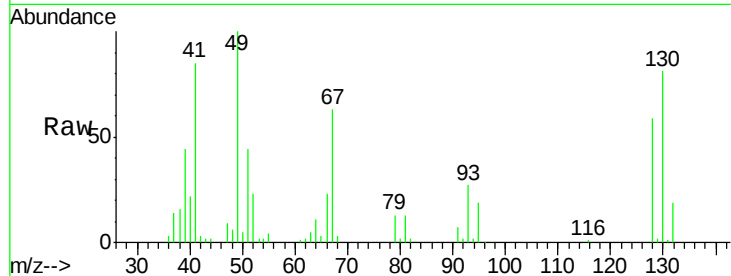
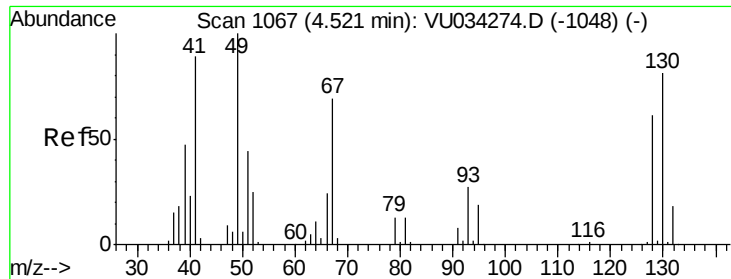
MMDadoda
9/6/2019 3:21:30 PM



#40
Benzene
Concen: 23.946 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





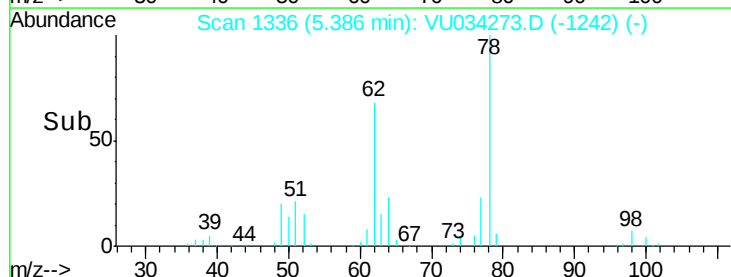
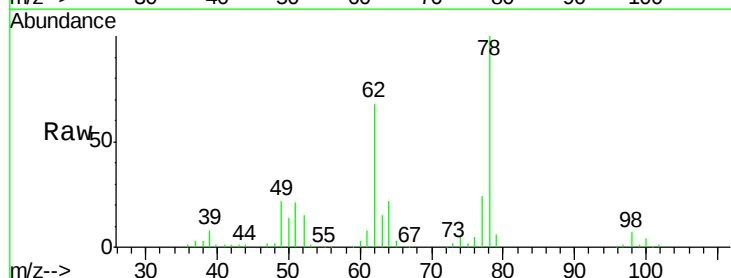
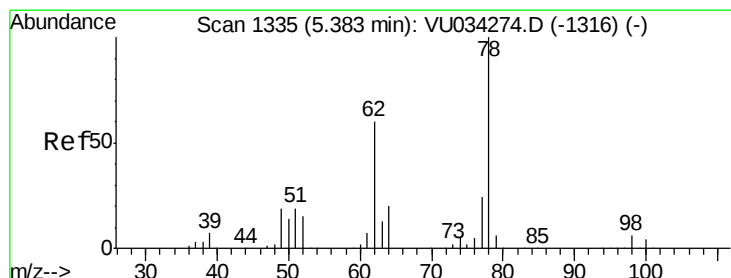
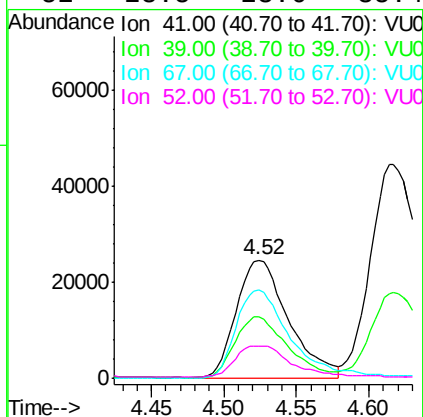
#41
Methacrylonitrile
Concen: 24.518 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		61281		
39	52.1	41.0	61.4		
67	79.1	62.4	93.6		
52	28.5	23.6	35.4		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

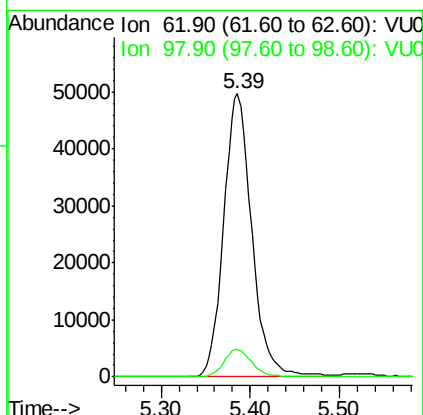
Manual Integrations
APPROVED

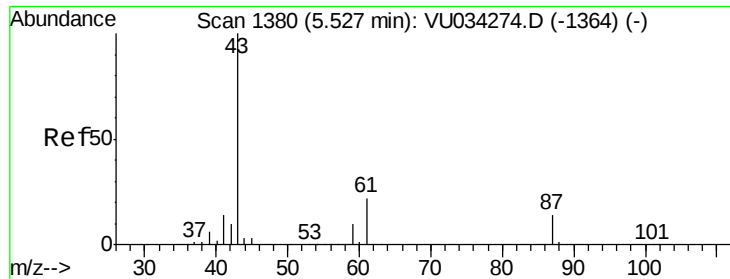
MMDadoda
9/6/2019 3:21:30 PM



#42
1,2-Dichloroethane
Concen: 24.162 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108579		
98	9.6	0.0	20.0		





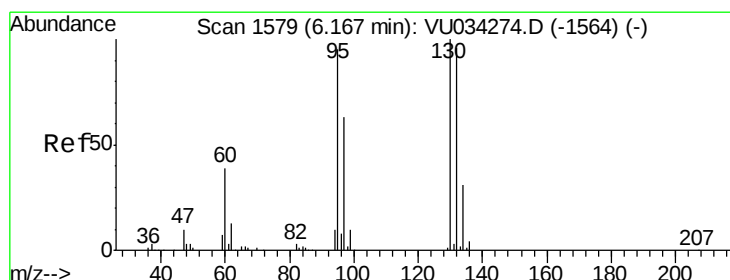
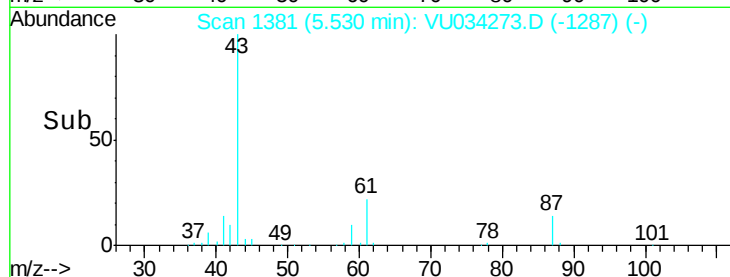
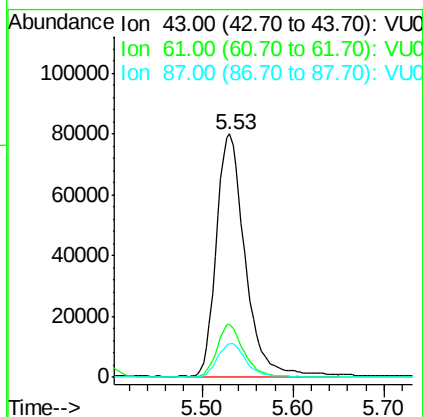
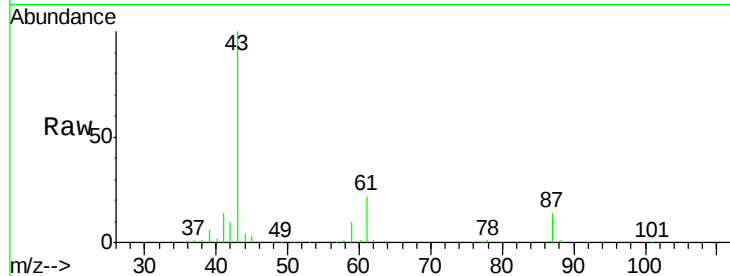
#43
Isopropyl Acetate
Concen: 23.672 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.1	25.7
87	13.9	11.1	16.7

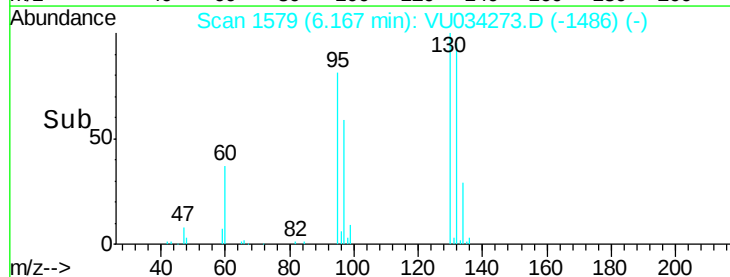
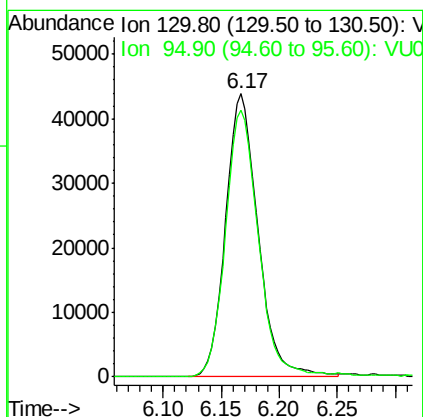
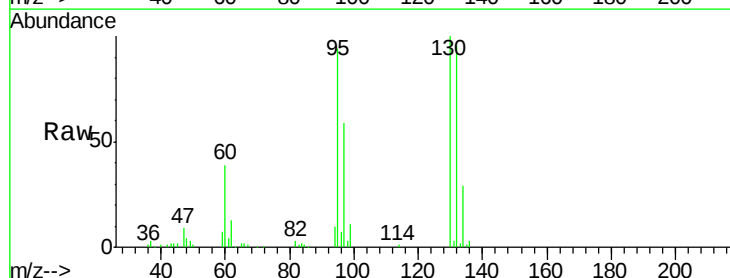
Manual Integrations
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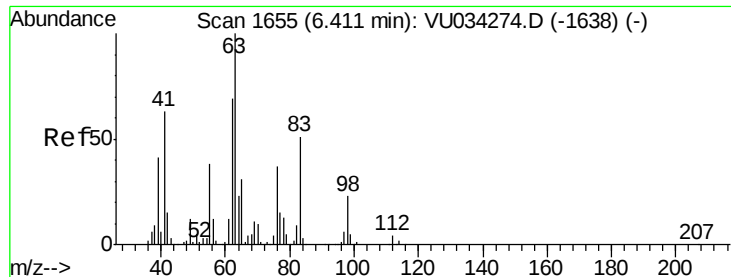
MMDadoda
9/6/2019 3:21:30 PM



#44
Trichloroethene
Concen: 24.637 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.2





#45

1,2-Dichloropropane

Concen: 25.018 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 90573

Ion Ratio Lower Upper

63 100

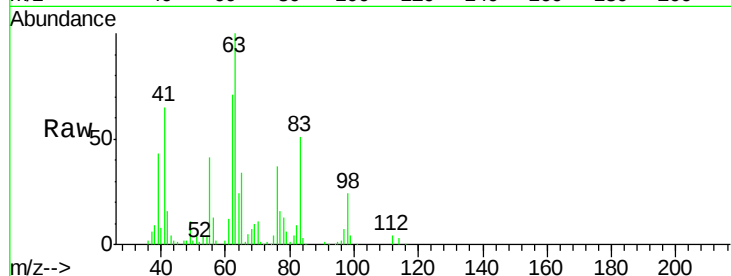
65 33.5 24.6 37.0

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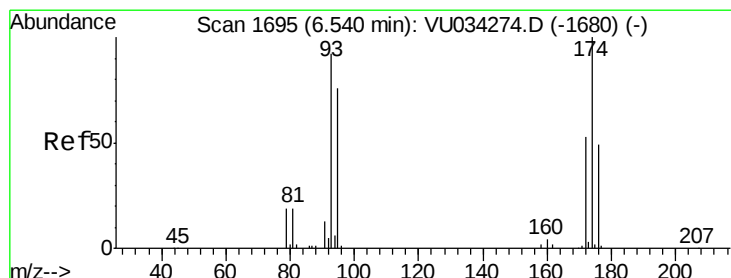
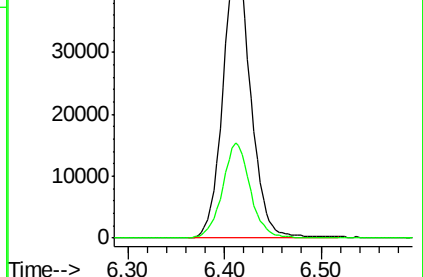
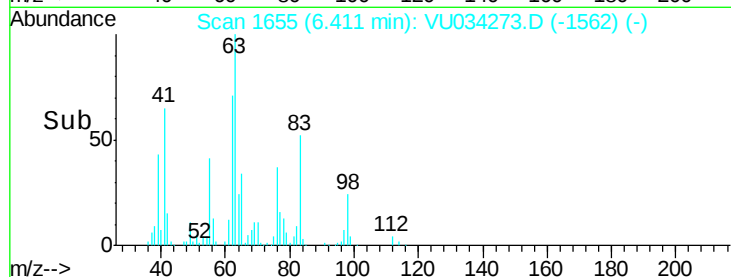


Abundance Ion 62.90 (62.60 to 63.60): VU034273.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU034273.D (-1562) (-)

6.41

Time-->



#46

Dibromomethane

Concen: 24.491 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

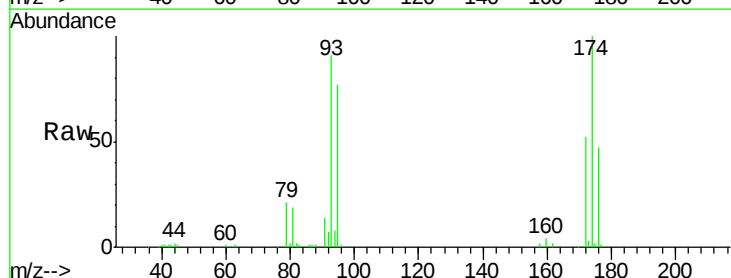
Tgt Ion: 93 Resp: 57045

Ion Ratio Lower Upper

93 100

95 85.4 66.5 99.7

174 109.0 87.8 131.6



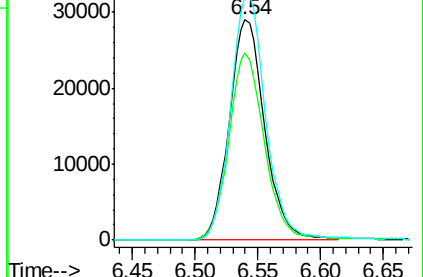
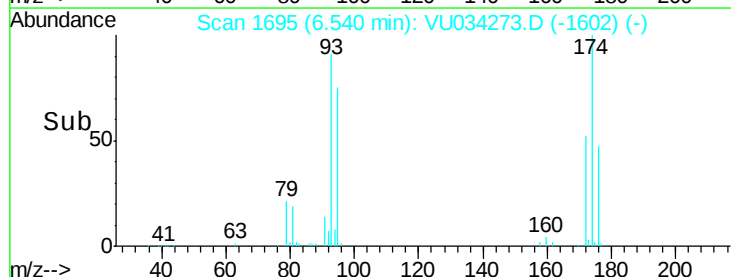
Abundance Ion 92.80 (92.50 to 93.50): VU034273.D (-1602) (-)

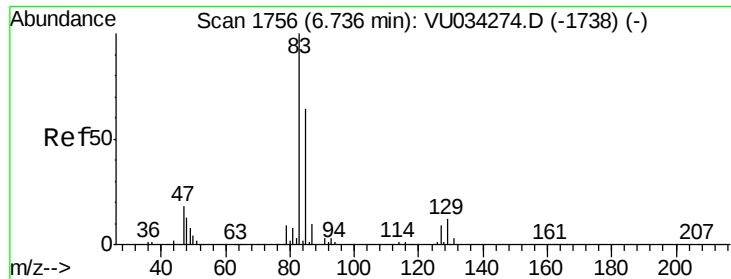
Ion 94.80 (94.50 to 95.50): VU034273.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034273.D (-1602) (-)

6.54

Time-->





#47

Bromodichloromethane

Concen: 25.123 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

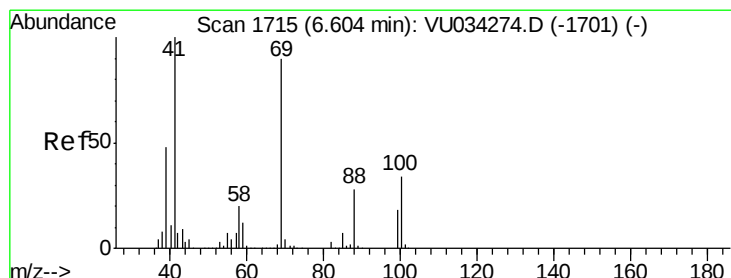
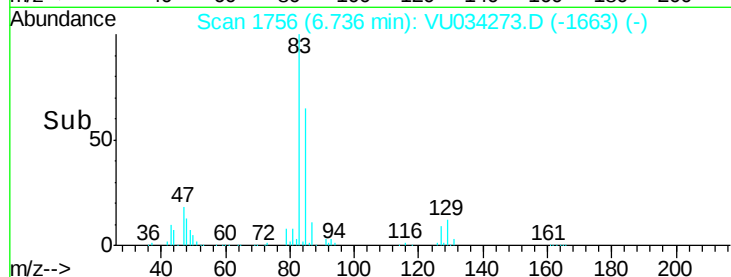
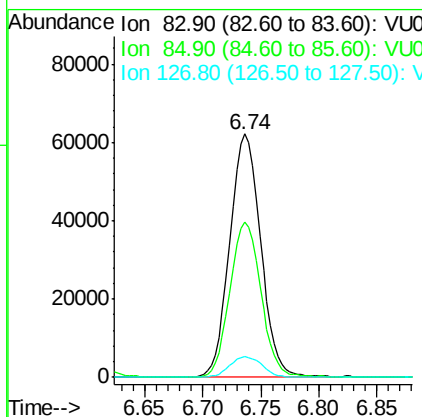
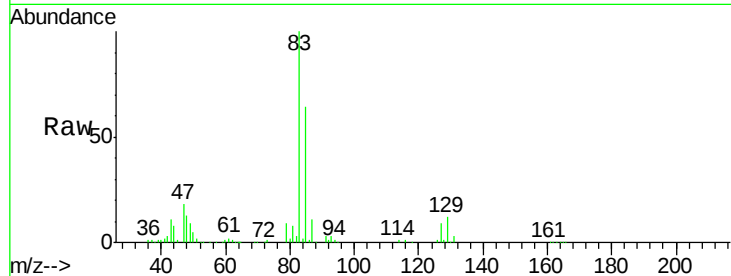
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	115384
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.6	7.2	10.8

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#48

Methyl methacrylate

Concen: 22.668 ug/l

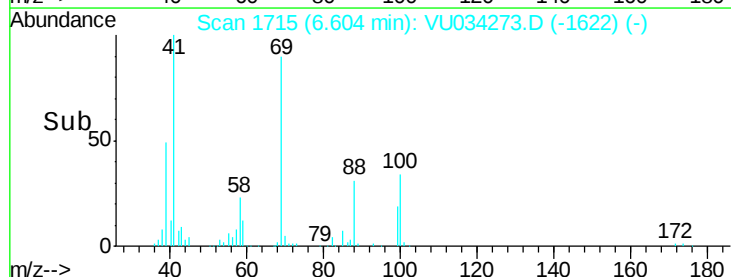
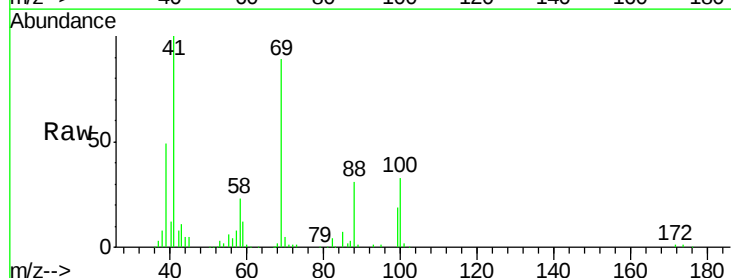
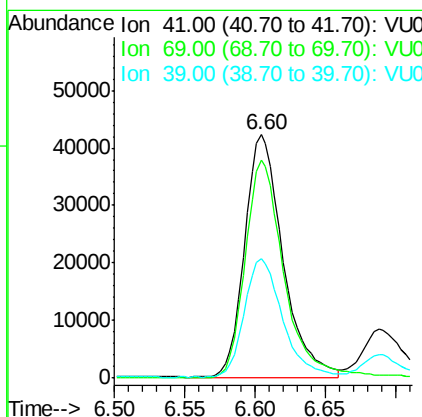
RT: 6.60 min Scan# 1715

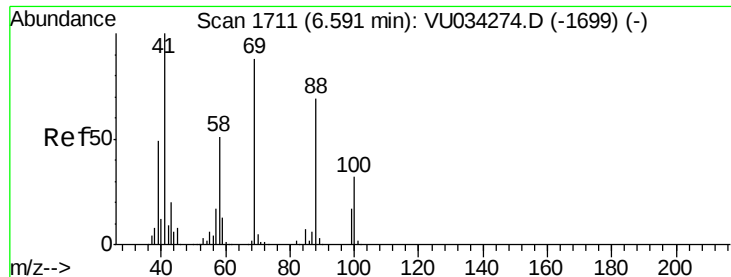
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	41	Resp:	80105
Ion	Ratio	Lower	Upper
41	100		
69	91.7	72.8	109.2
39	48.7	38.6	58.0





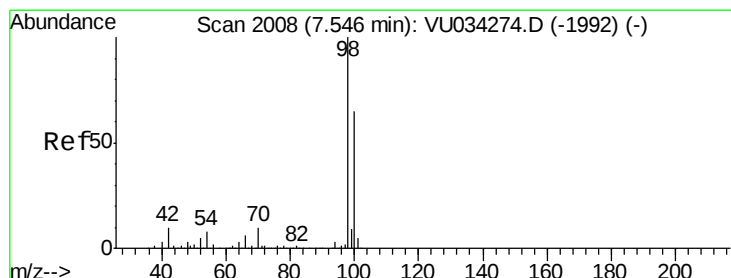
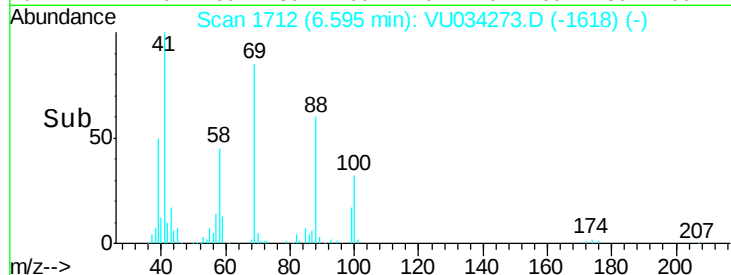
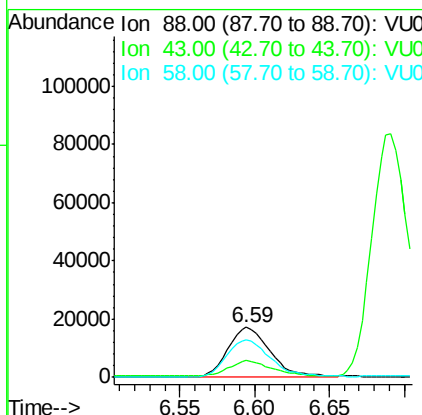
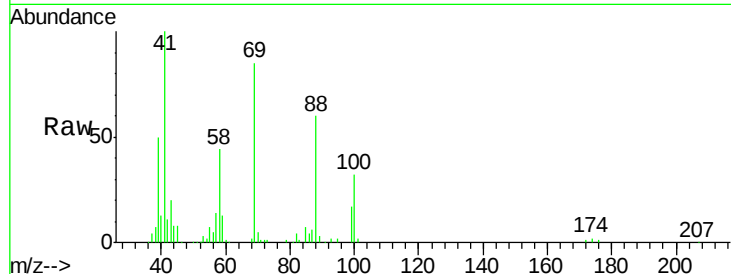
#49
 1,4-Dioxane
 Concen: 384.527 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.7	23.8	35.6	
58	80.6	58.4	87.6	

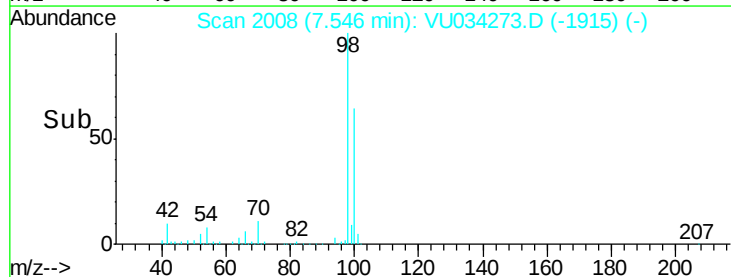
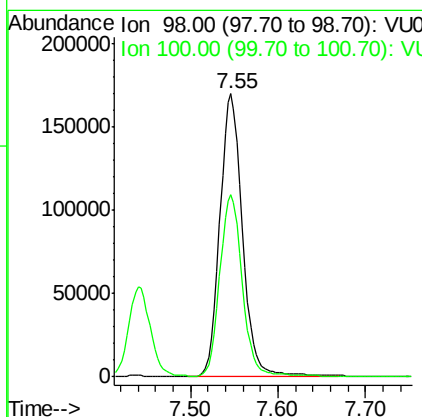
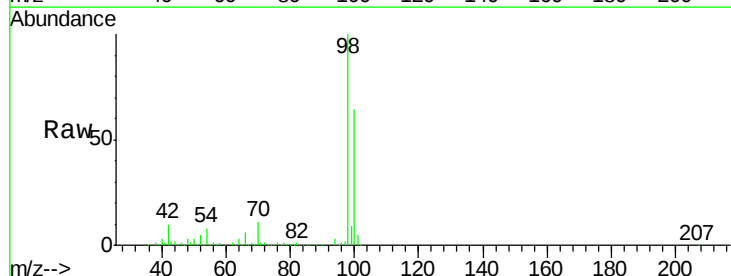
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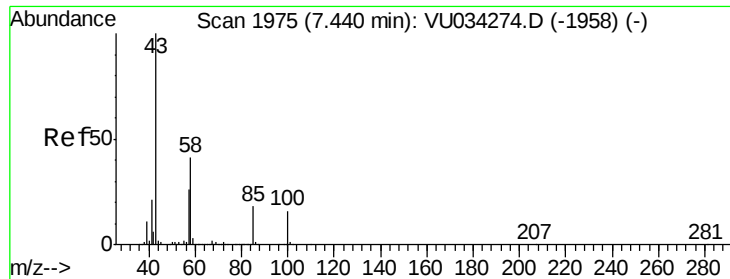
MMDadoda
 9/6/2019 3:21:30 PM



#50
 Toluene-d8
 Concen: 24.724 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.9	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 119.893 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 612832

Ion Ratio Lower Upper

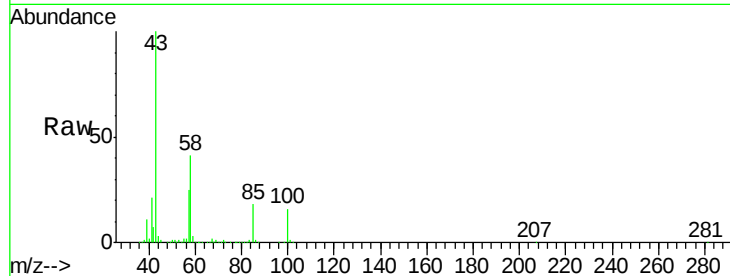
43 100

58 40.9 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034273.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034273.D (-1882) (-)

7.44

400000

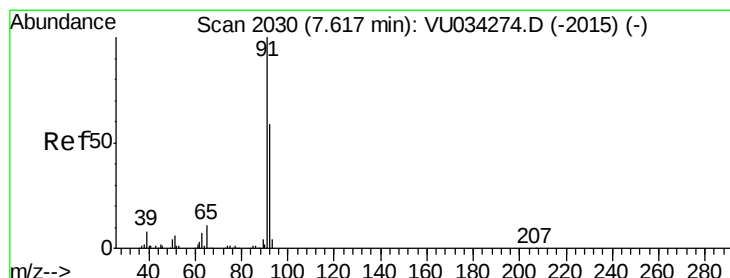
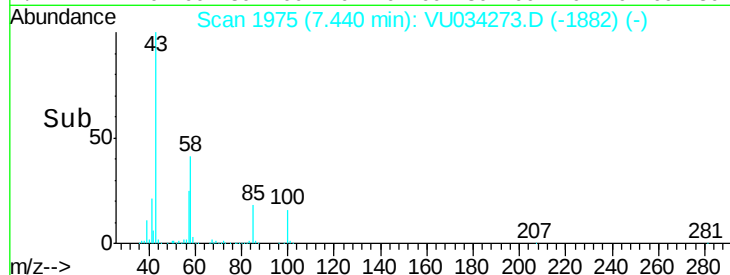
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 24.468 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034273.D

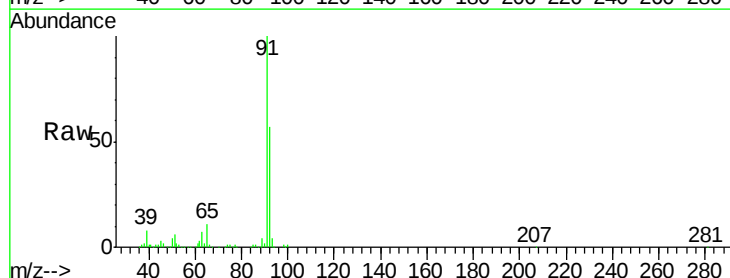
Acq: 05 Sep 2019 10:00

Tgt Ion: 92 Resp: 197377

Ion Ratio Lower Upper

92 100

91 173.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034273.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034273.D (-1937) (-)

7.62

200000

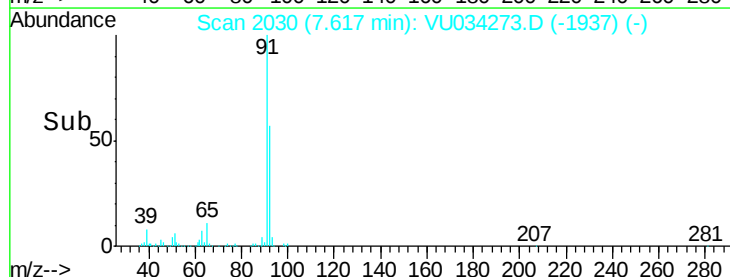
150000

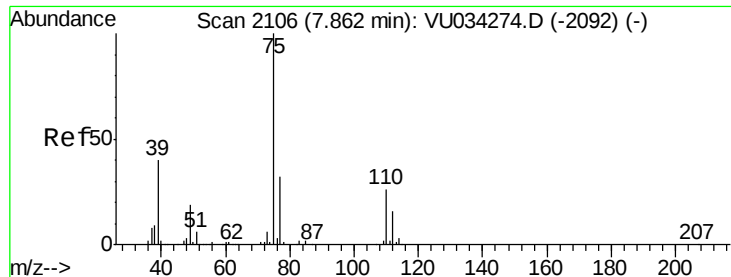
100000

50000

0

Time-->





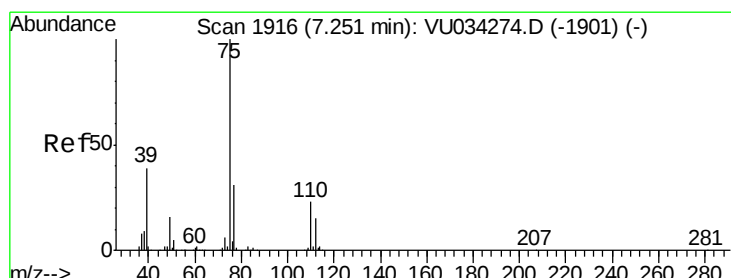
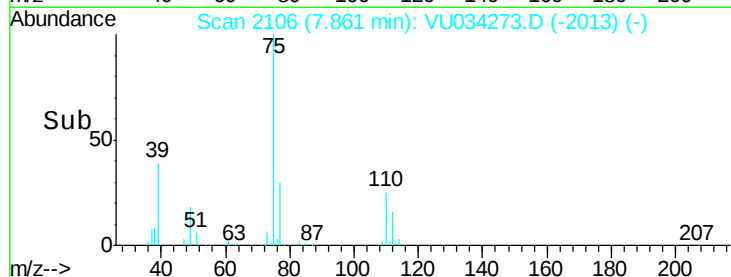
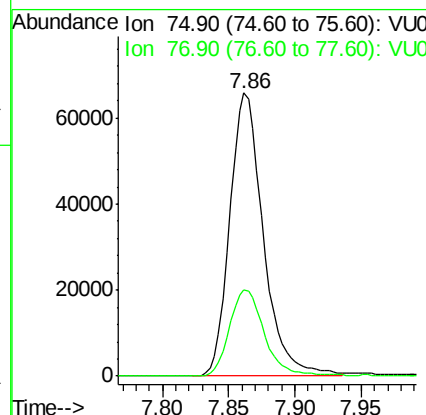
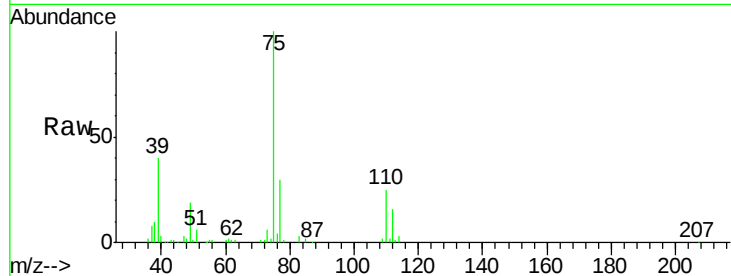
#53
t-1,3-Dichloropropene
Concen: 23.078 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5

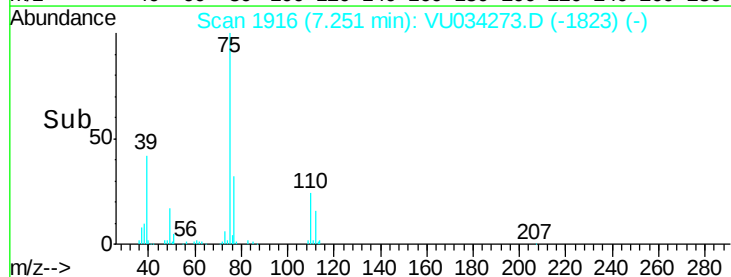
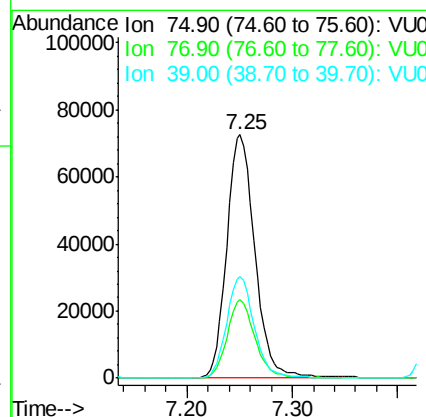
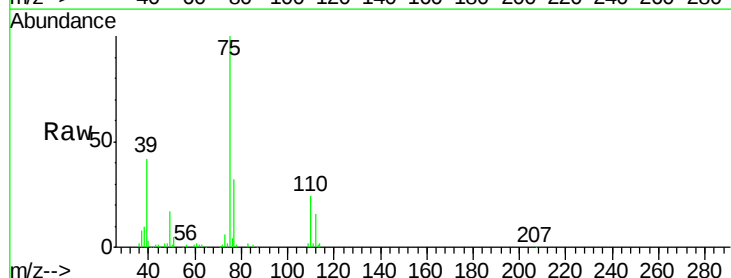
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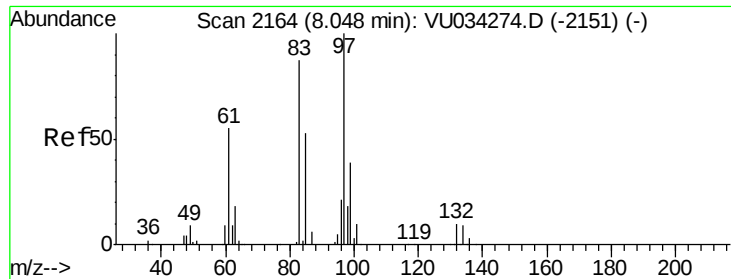
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 24.276 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	41.5	31.2	46.8





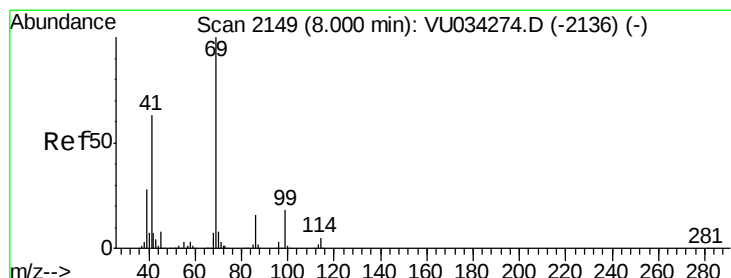
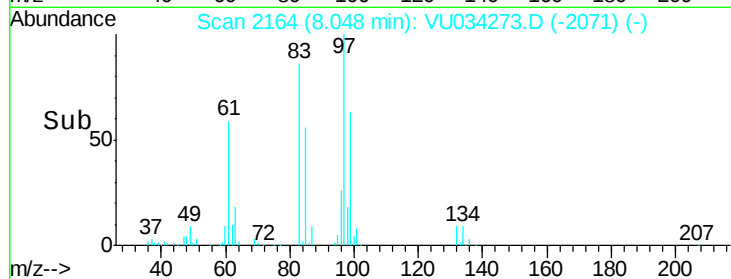
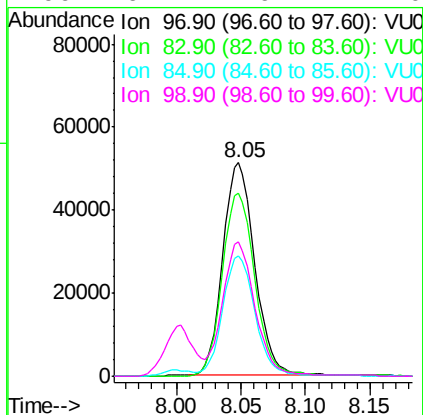
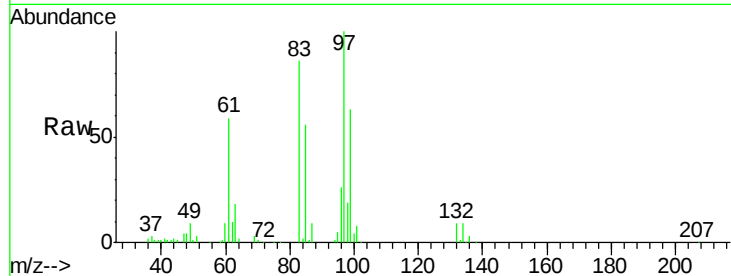
#55
 1,1,2-Trichloroethane
 Concen: 25.390 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	87835
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.0	103.6
85	56.2	44.2	66.2
99	62.7	49.4	74.0

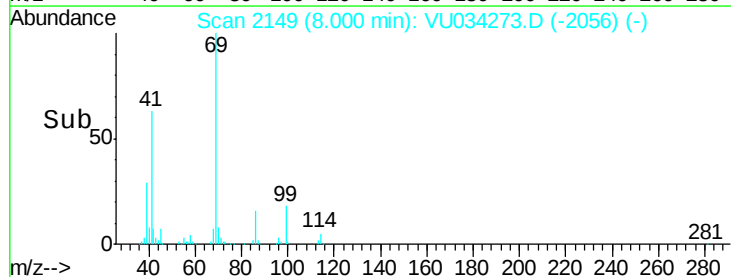
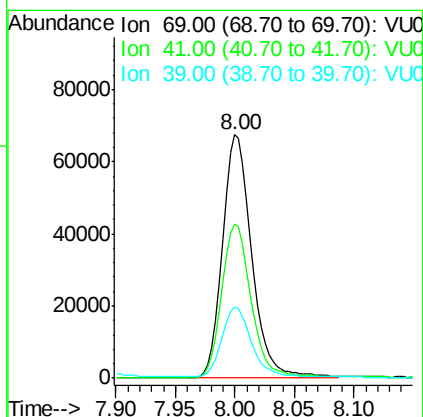
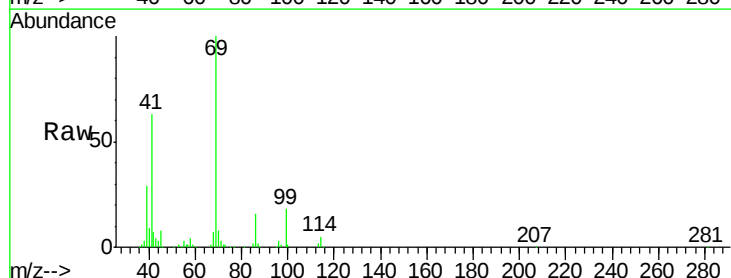
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#56
 Ethyl methacrylate
 Concen: 22.603 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion:	69	Resp:	115379
Ion	Ratio	Lower	Upper
69	100		
41	64.0	49.5	74.3
39	28.7	22.5	33.7





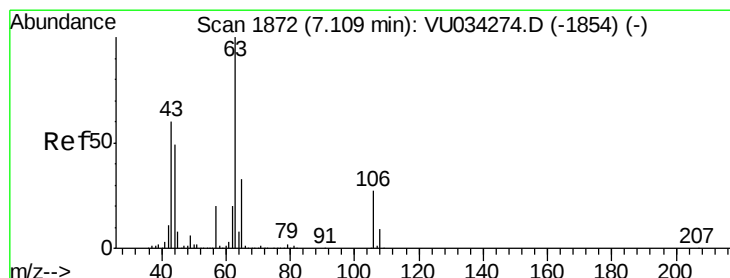
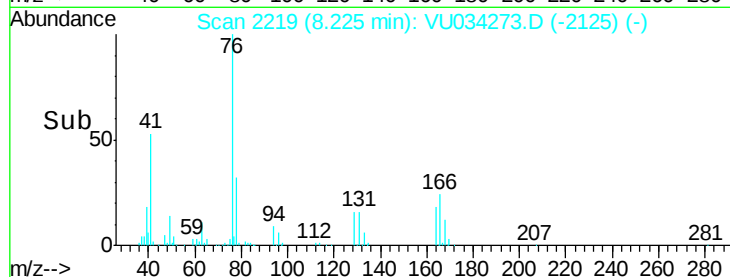
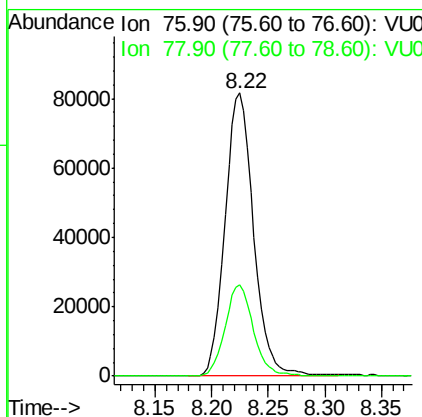
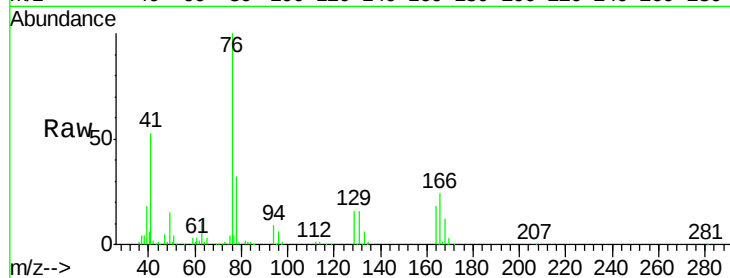
#57
 1,3-Dichloropropane
 Concen: 24.679 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.2

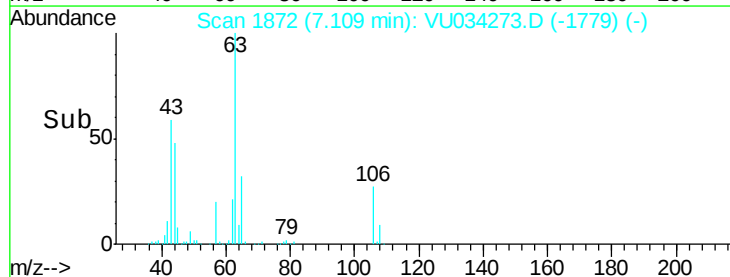
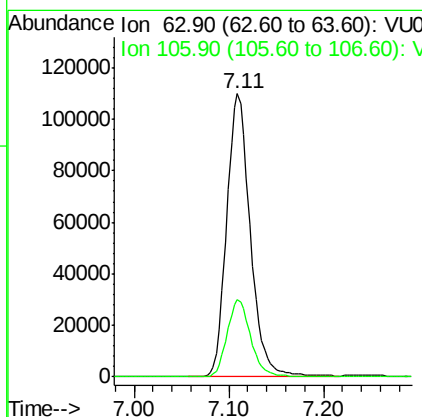
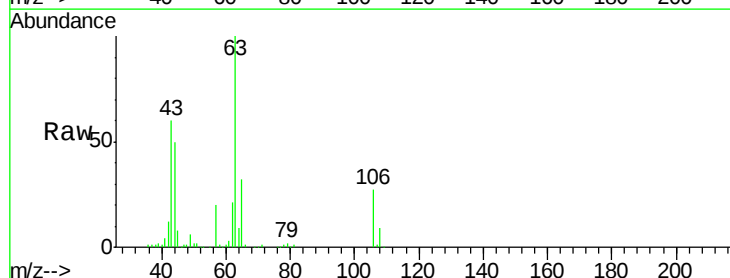
Manual Integrations
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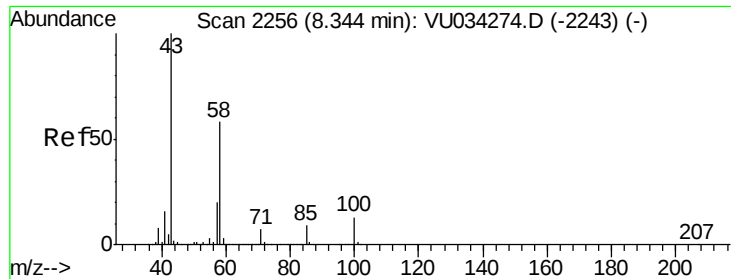
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.822 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





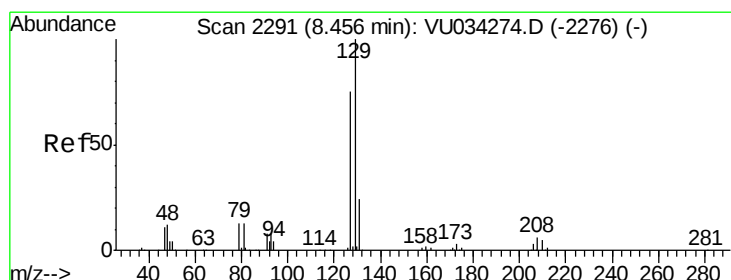
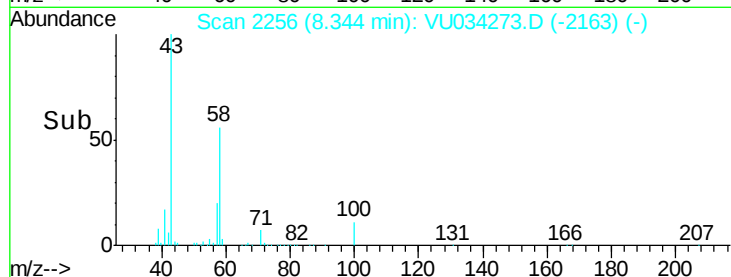
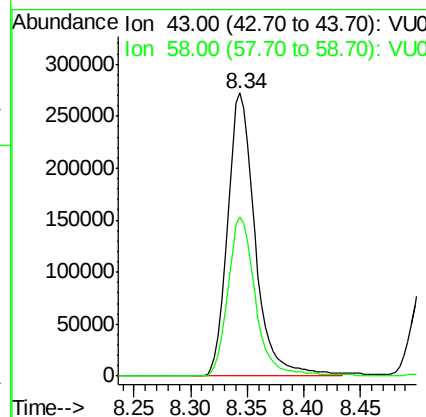
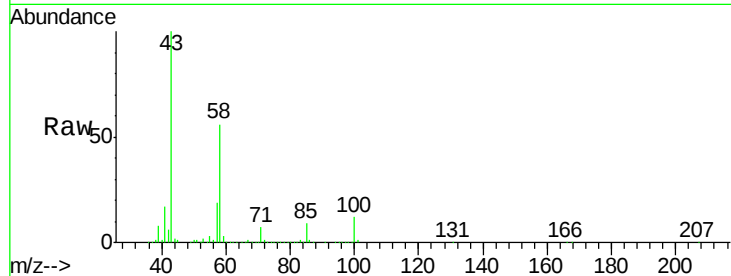
#59
2-Hexanone
Concen: 119.621 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	461070
Ion Ratio	100	Lower	Upper
43	100		
58	56.7	28.8	86.5

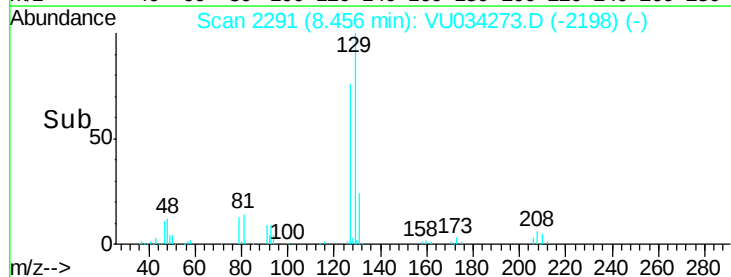
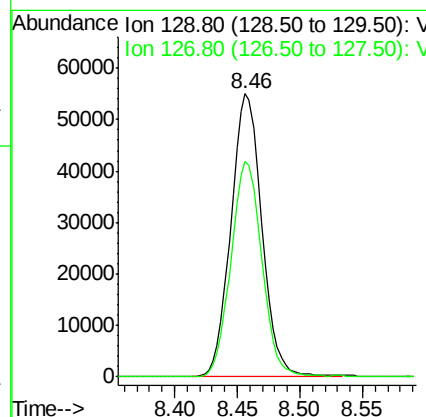
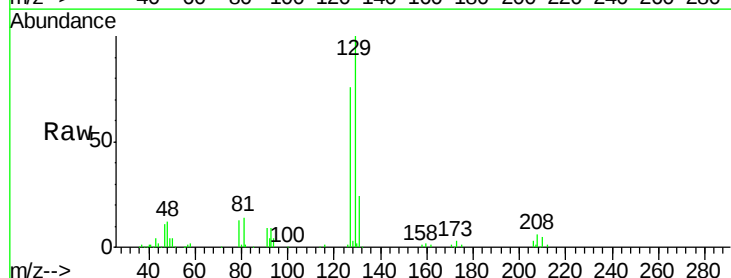
Manual Integrations
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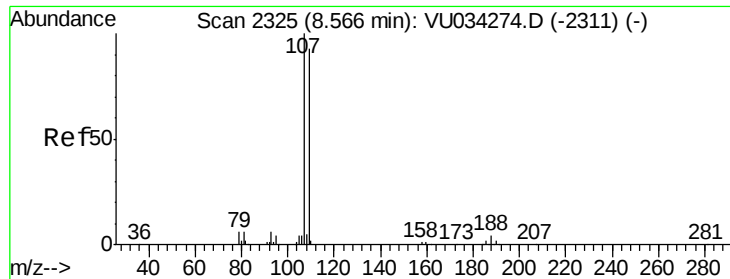
MMDadoda
9/6/2019 3:21:30 PM



#60
Dibromochloromethane
Concen: 25.329 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	129	Resp	94416
Ion Ratio	100	Lower	Upper
129	100		
127	76.1	37.9	113.7





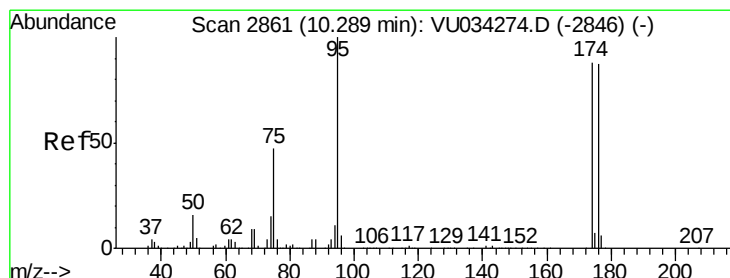
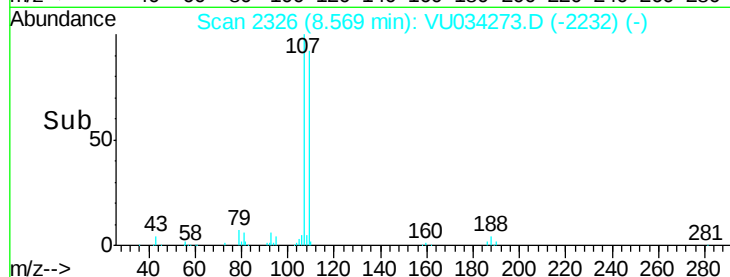
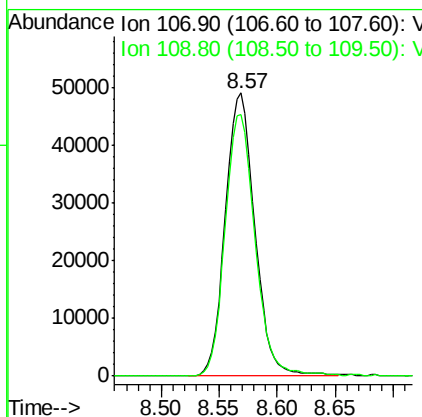
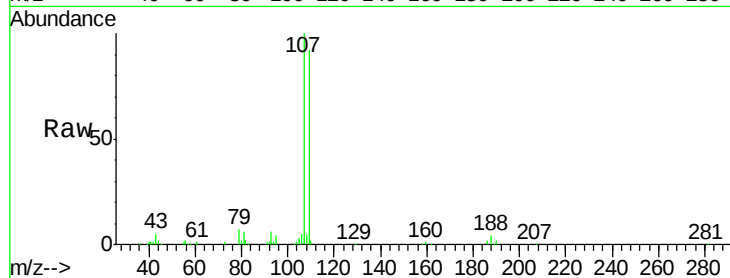
#61
 1,2-Dibromoethane
 Concen: 24.024 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

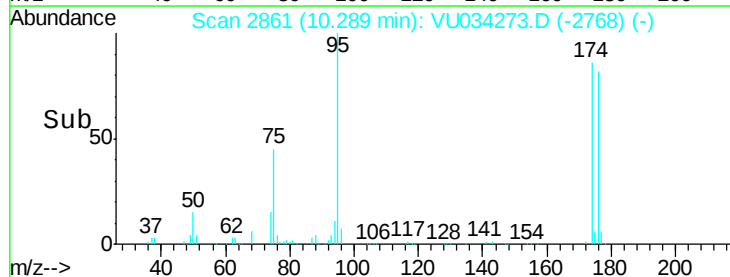
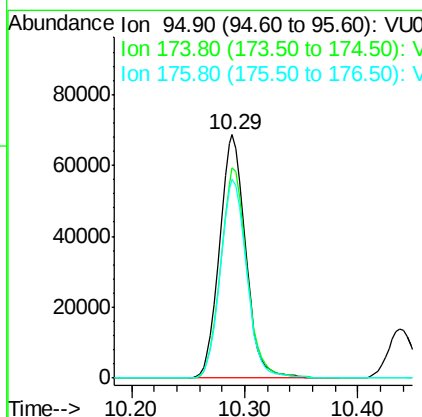
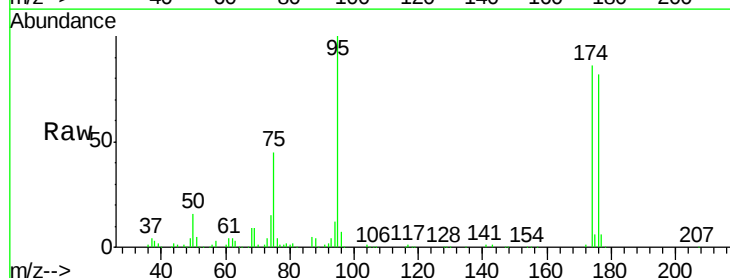
Manual Integrations
 APPROVED

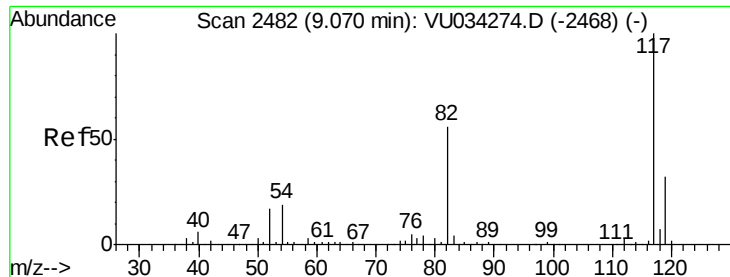
MMDadoda
 9/6/2019 3:21:30 PM



#62
 4-Bromofluorobenzene
 Concen: 23.023 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	175.2
176	82.3	0.0	168.0





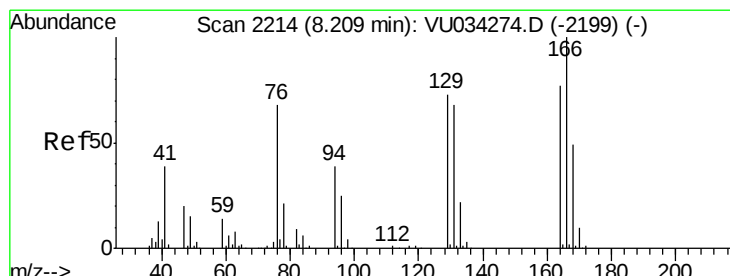
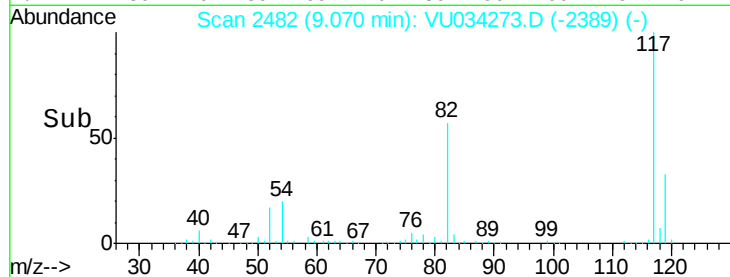
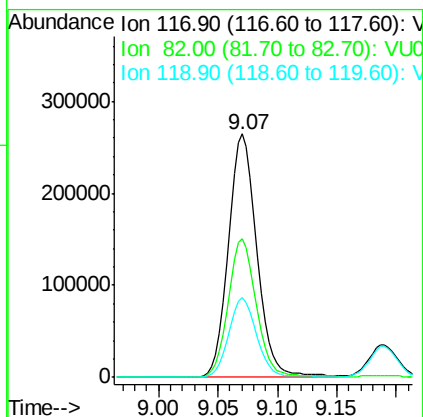
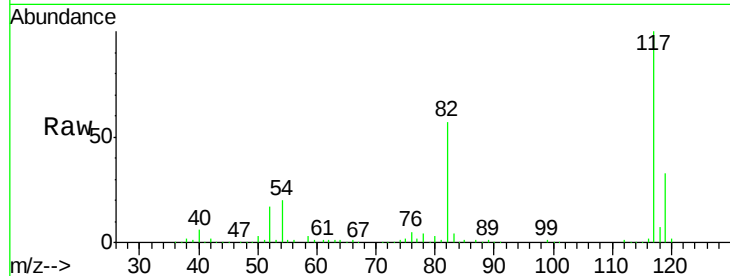
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	67.0
119	32.6	25.9	38.9

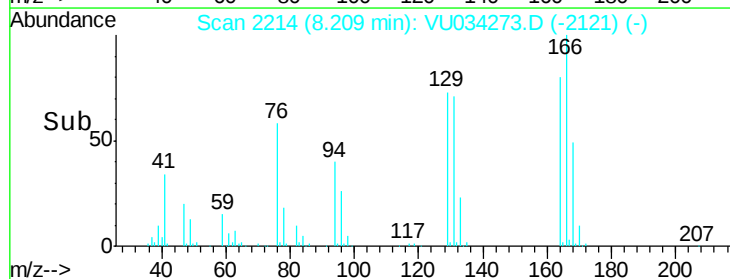
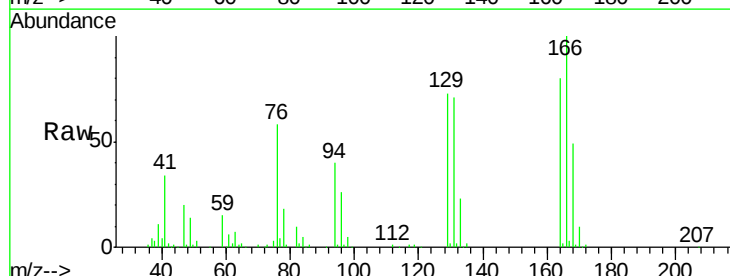
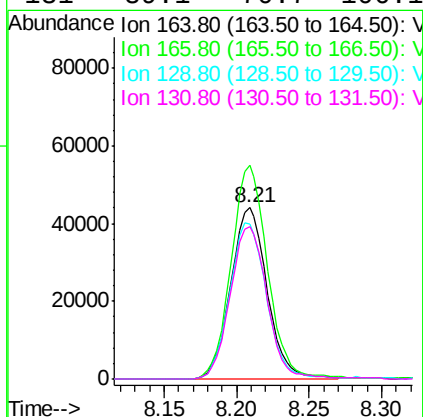
Manual Integrations
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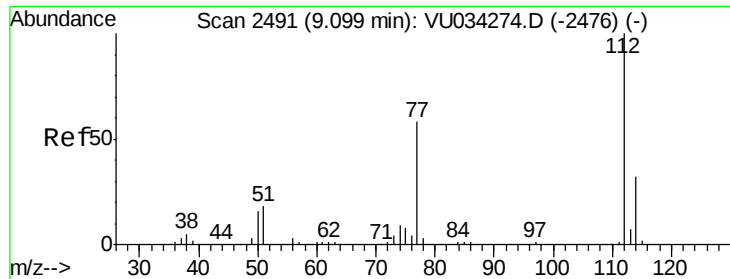
MMDadoda
9/6/2019 3:21:30 PM



#64
Tetrachloroethene
Concen: 25.501 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	103.7	155.5
129	90.4	75.8	113.8
131	89.1	70.7	106.1





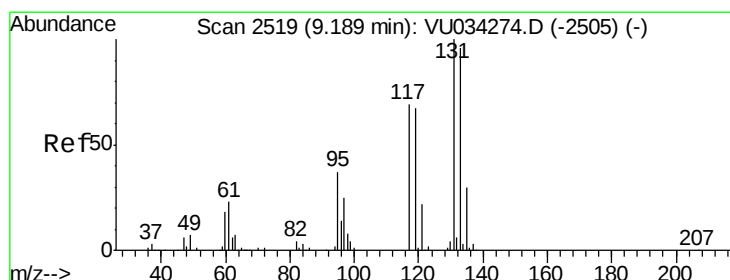
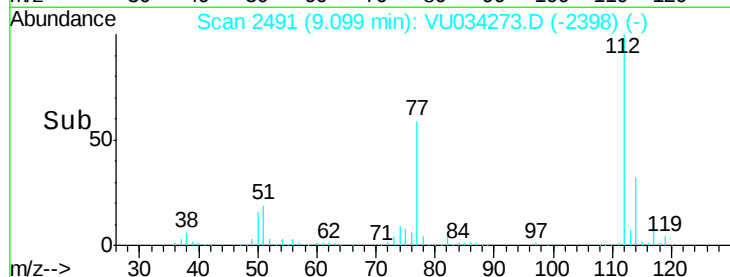
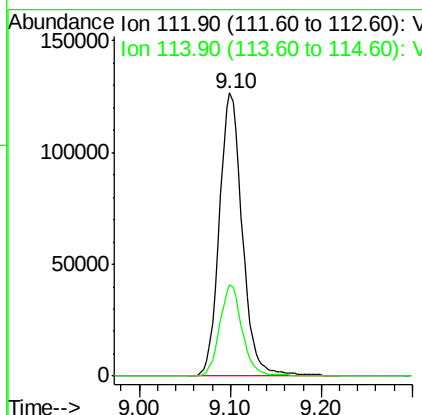
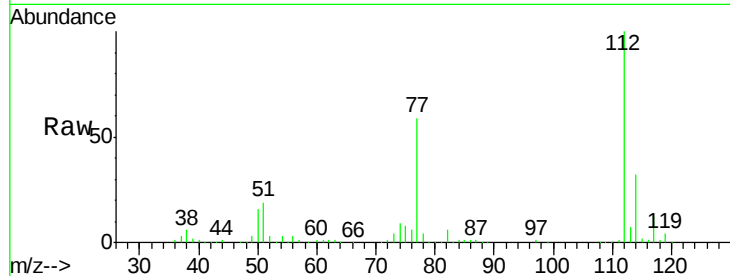
#65
Chlorobenzene
Concen: 24.210 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	222851		
114	32.1	25.9	38.9	

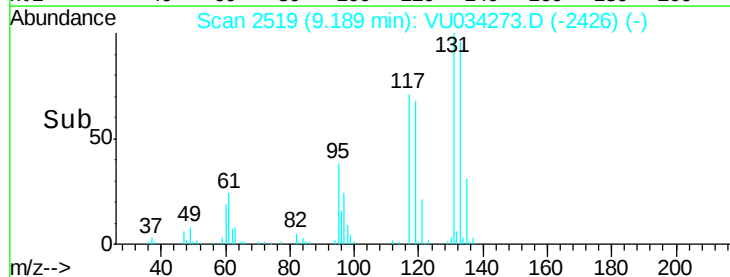
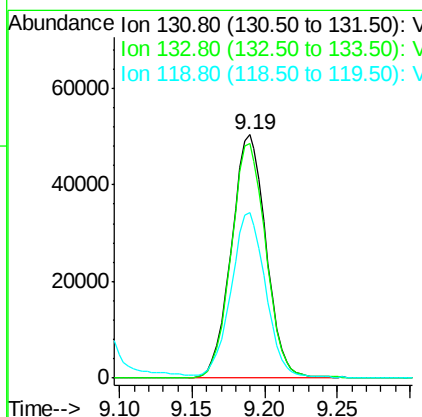
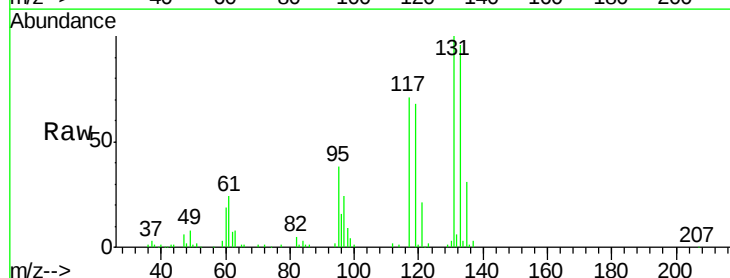
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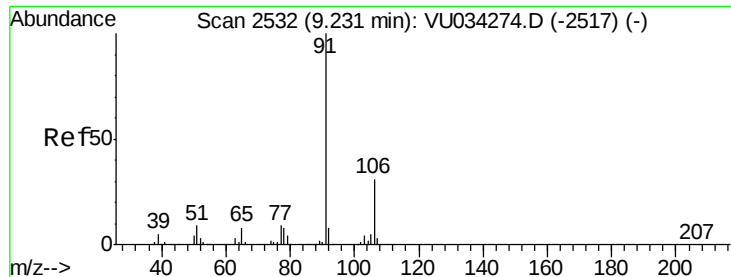
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.830 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83511		
133	96.5	47.9	143.7	
119	67.7	33.1	99.5	





#67

Ethyl Benzene

Concen: 23.333 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 361430

Ion Ratio Lower Upper

91 100

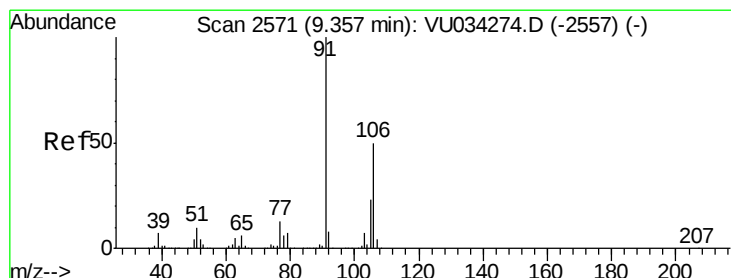
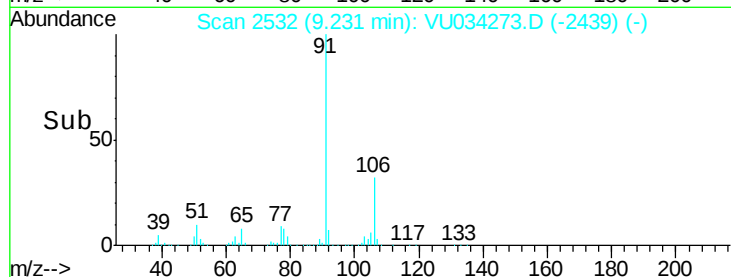
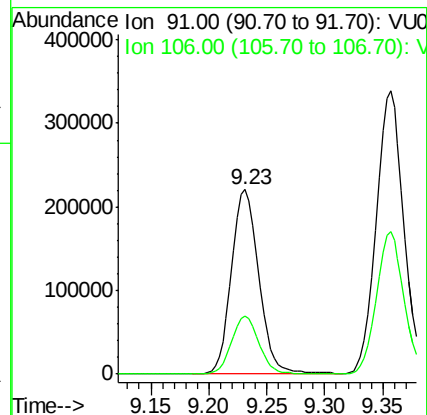
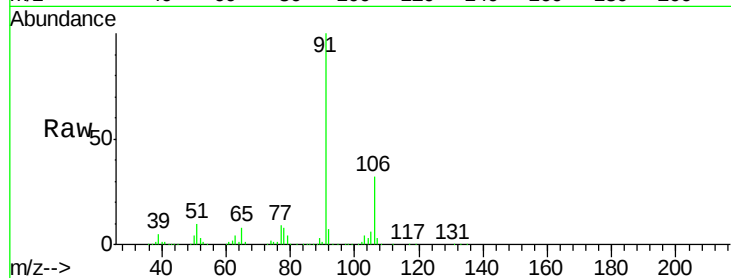
106 31.7 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 47.711 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034273.D

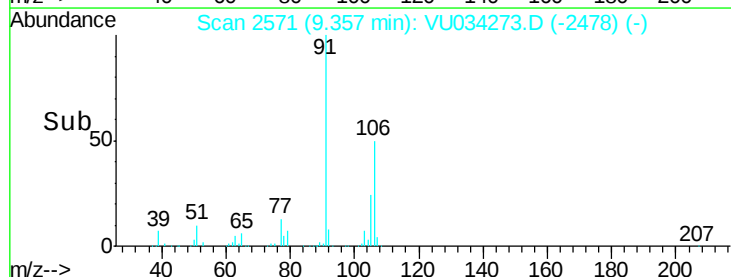
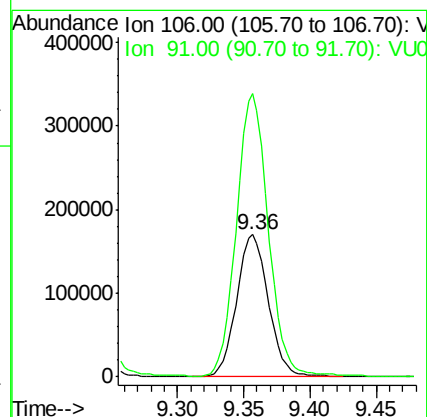
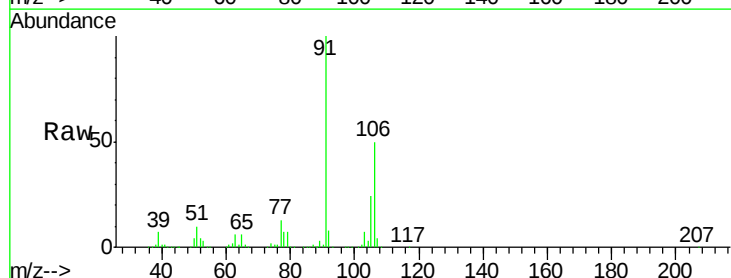
Acq: 05 Sep 2019 10:00

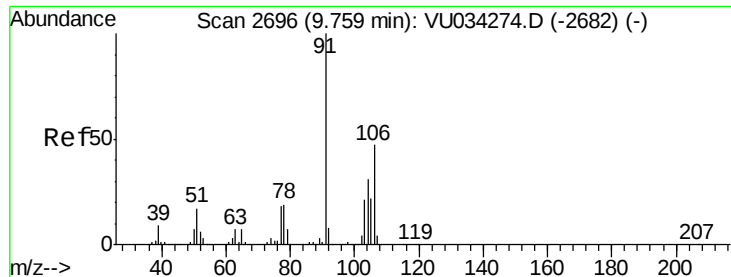
Tgt Ion: 106 Resp: 282048

Ion Ratio Lower Upper

106 100

91 201.9 160.1 240.1





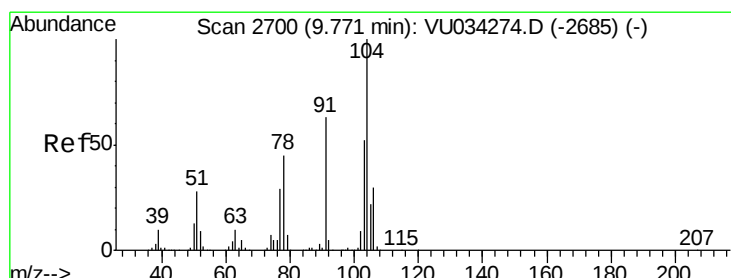
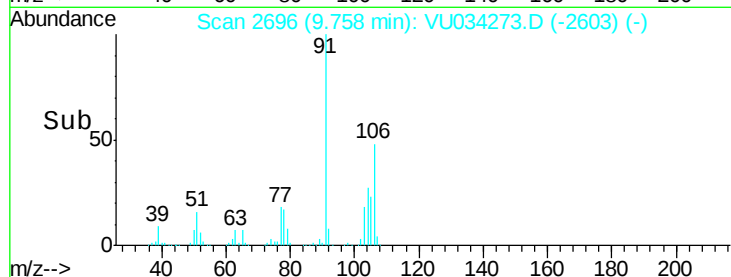
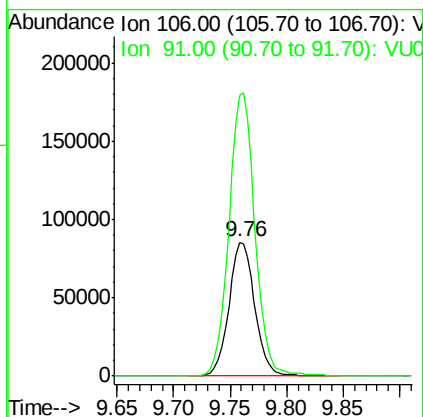
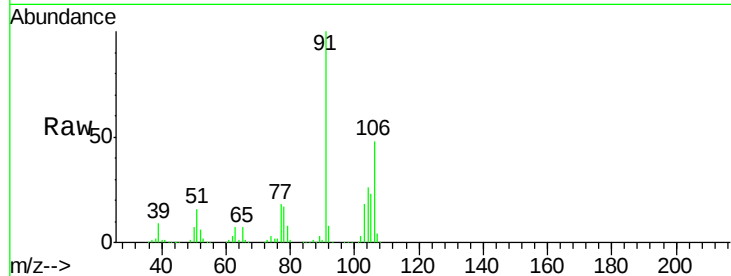
#69
o-Xylene
Concen: 23.929 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	135870		
91	213.2	105.1	315.3	

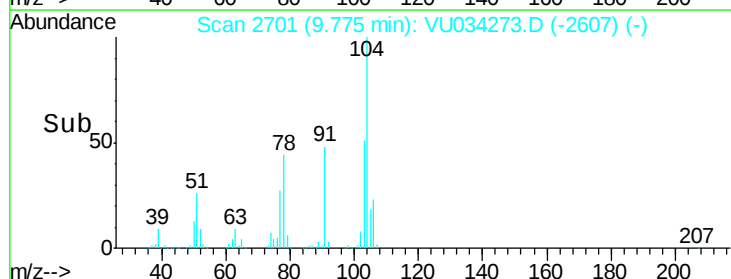
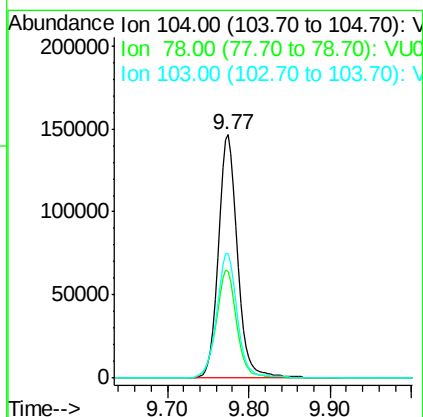
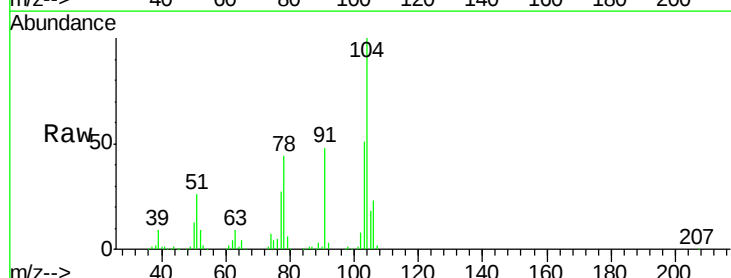
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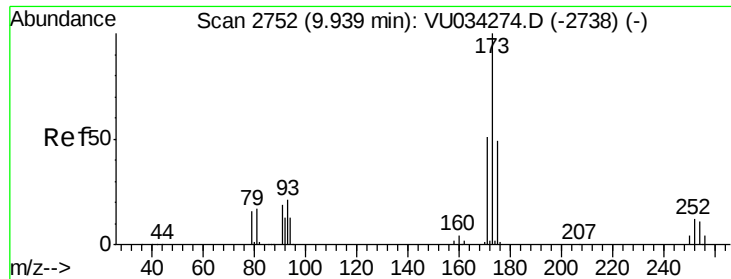
MMDadoda
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#70
Styrene
Concen: 24.936 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	244075		
78	47.6	38.6	57.8	
103	55.0	44.2	66.4	





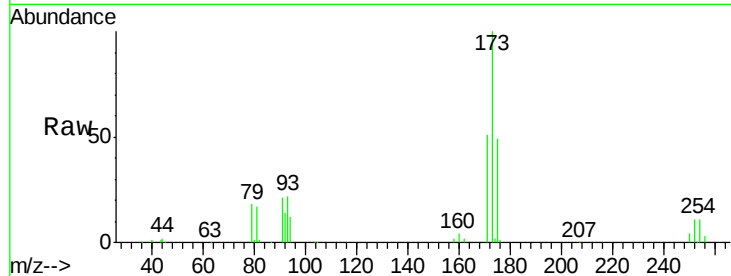
#71
Bromoform
Concen: 24.887 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

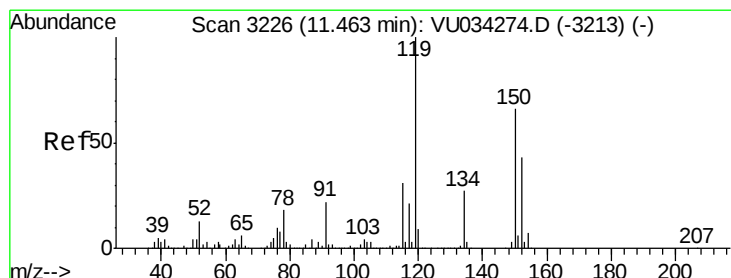
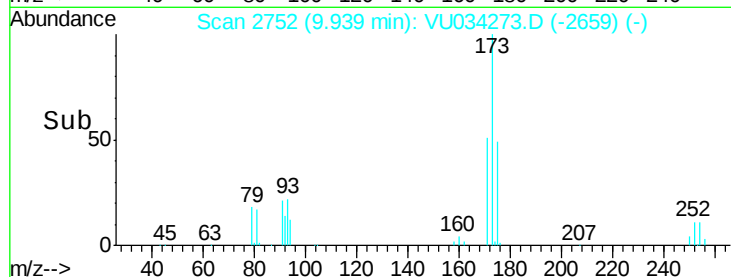
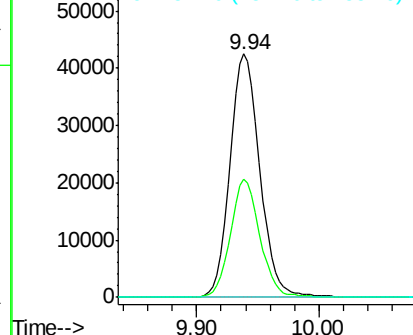
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.2
254	0.0	0.0	0.0

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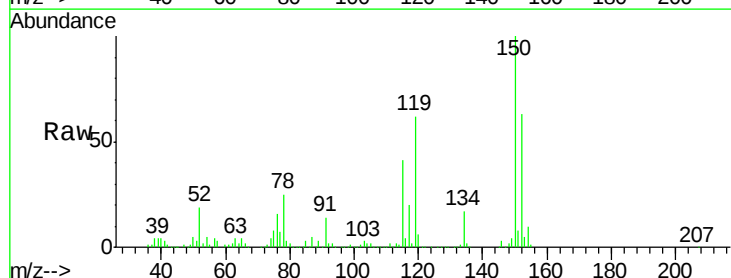


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

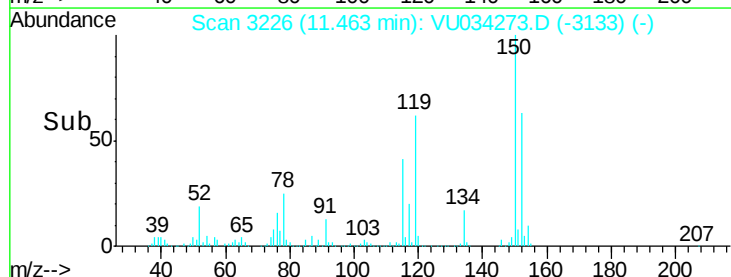
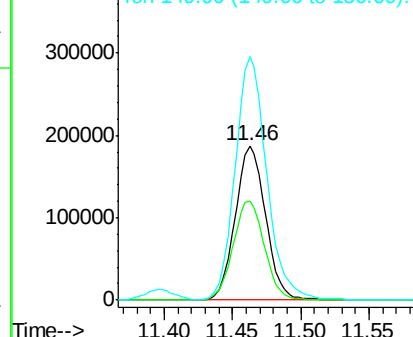


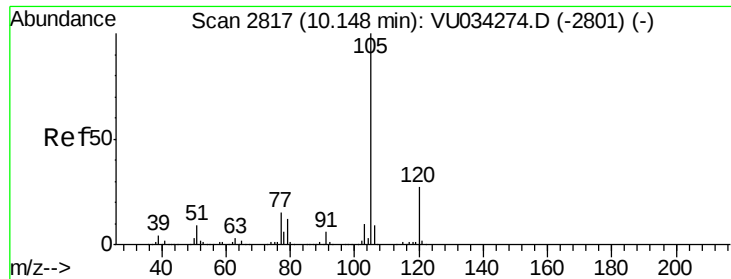
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.6	39.1	117.3
150	164.2	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: 19.800 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 375344

Ion Ratio Lower Upper

105 100

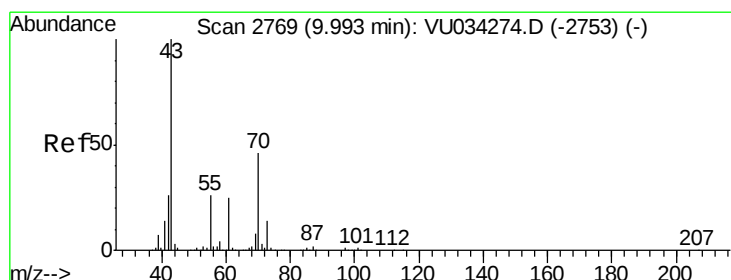
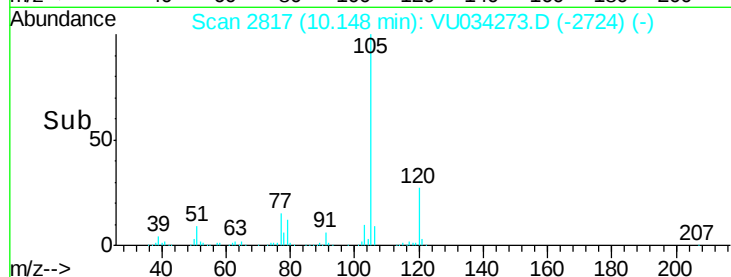
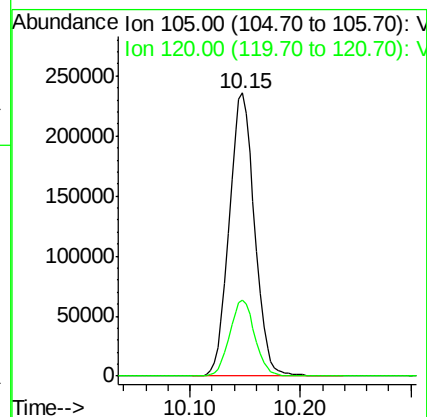
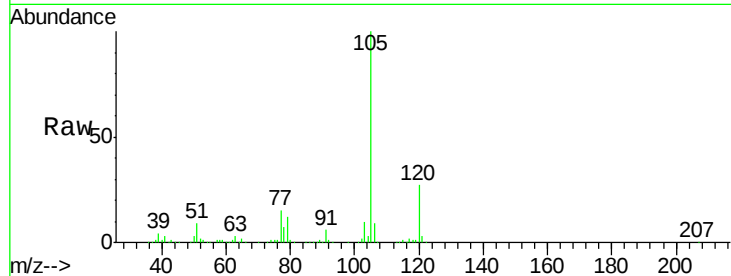
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.629 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion: 43 Resp: 147412

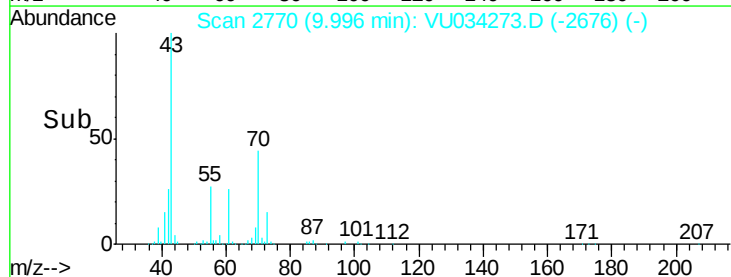
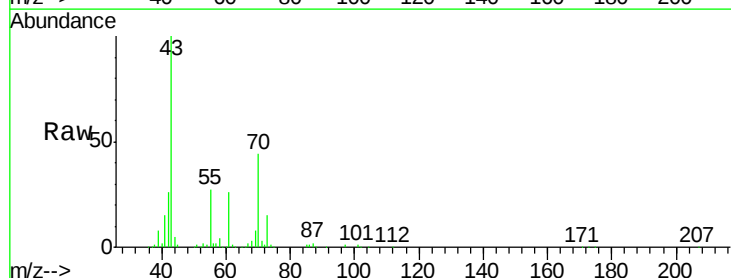
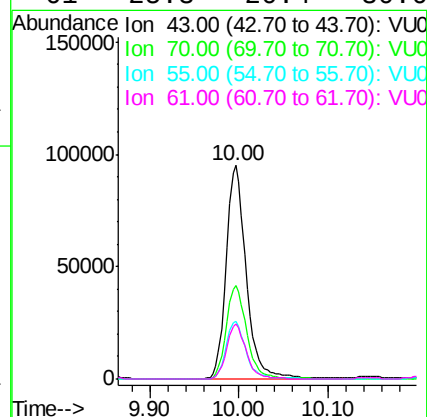
Ion Ratio Lower Upper

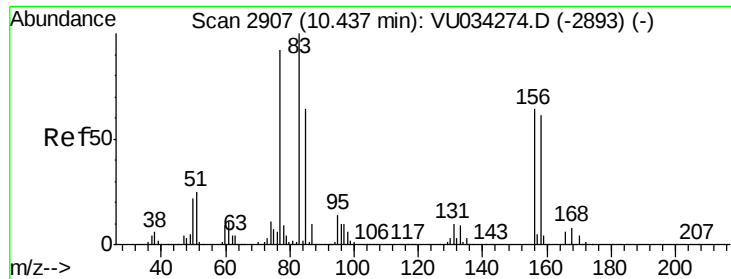
43 100

70 44.9 36.4 54.6

55 27.3 21.2 31.8

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.355 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 149389

Ion Ratio Lower Upper

83 100

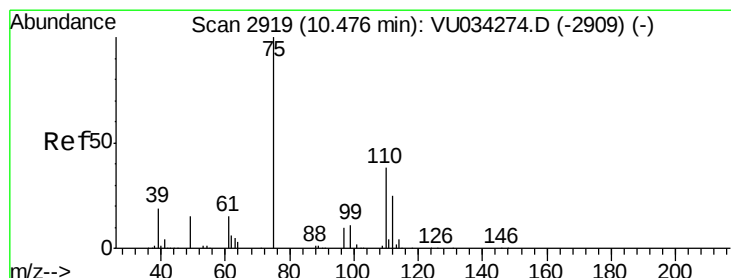
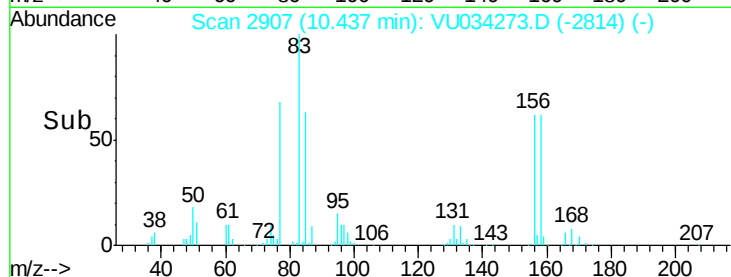
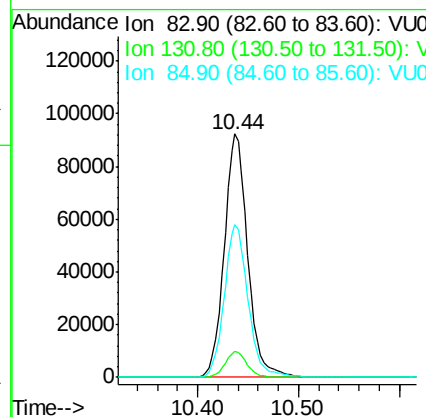
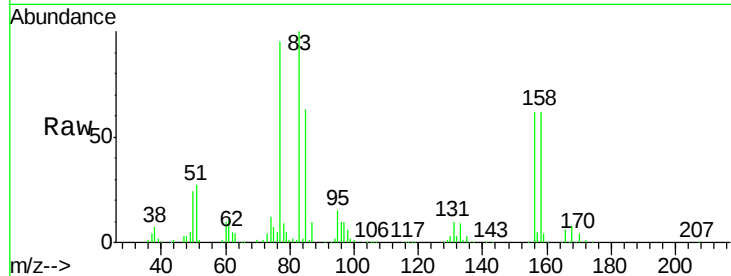
131 10.1 5.1 15.2

85 63.8 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 19.120 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034273.D

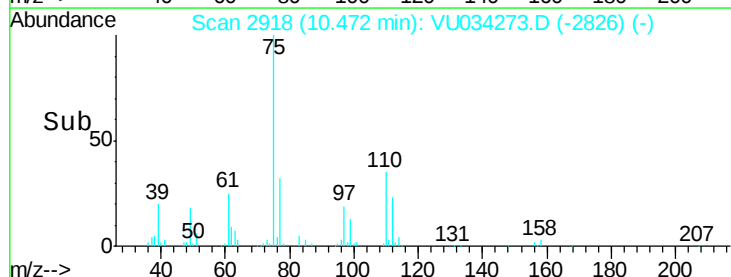
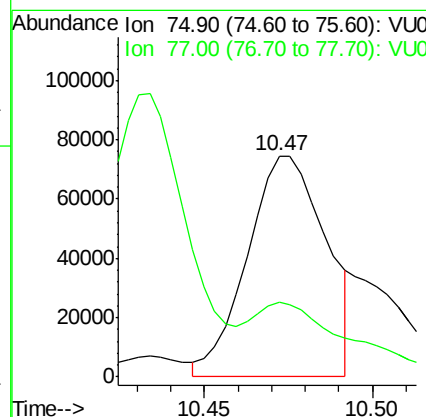
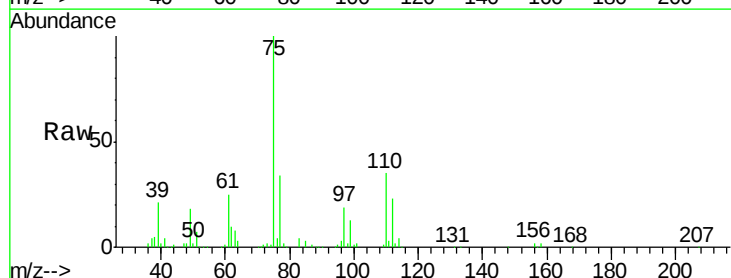
Acq: 05 Sep 2019 10:00

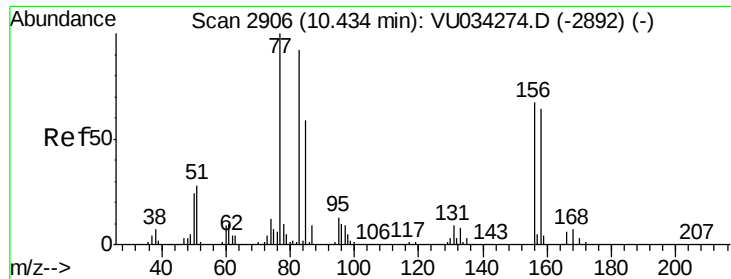
Tgt Ion: 75 Resp: 120756

Ion Ratio Lower Upper

75 100

77 43.0 20.8 62.2





#77

Bromobenzene

Concen: 19.782 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

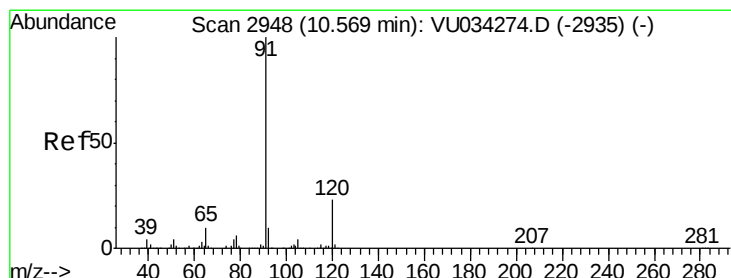
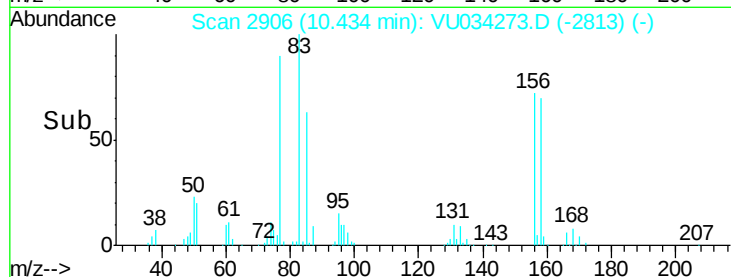
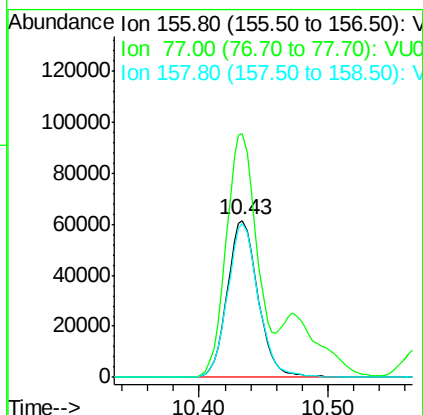
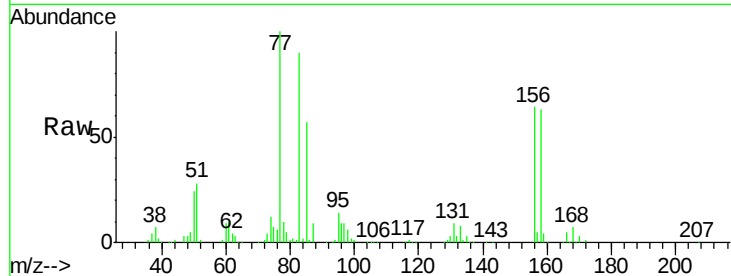
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	101748
Ion Ratio	Lower	Upper	
156	100		
77	156.6	75.6	226.9
158	98.4	48.2	144.6

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#78

n-propylbenzene

Concen: 19.882 ug/l

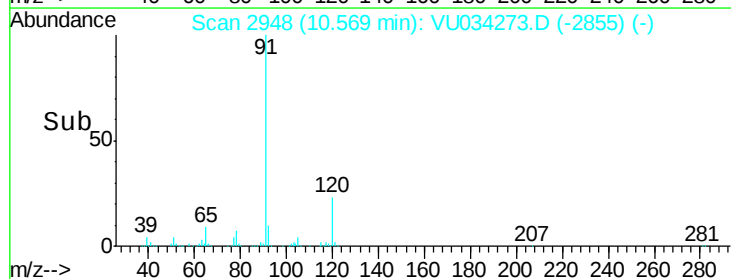
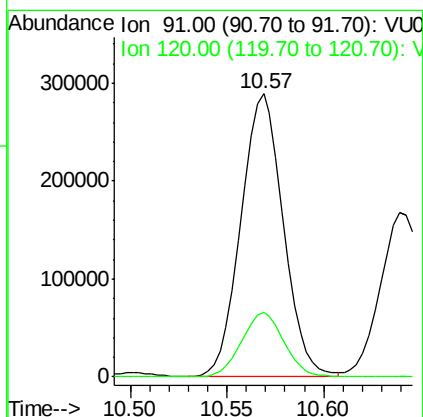
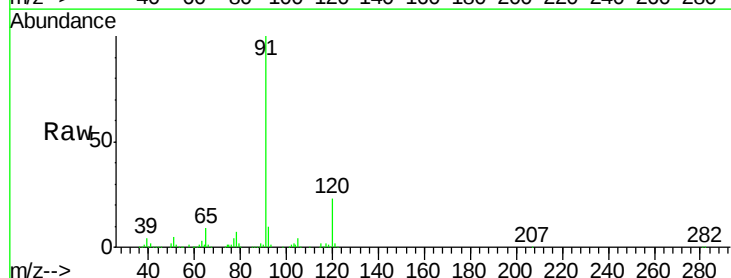
RT: 10.57 min Scan# 2948

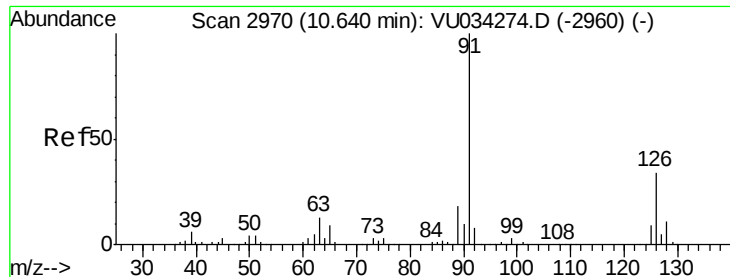
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	91	Resp:	439249
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 266798

Ion Ratio Lower Upper

91 100

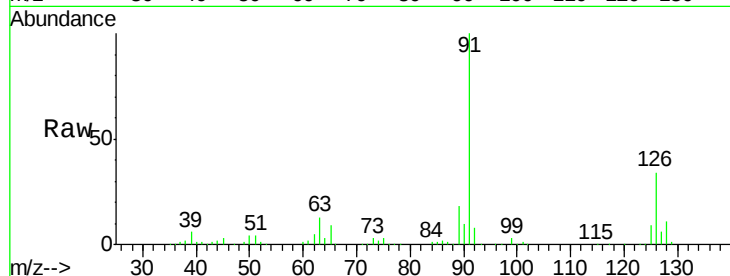
126 35.0 17.3 51.9

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Abundance Ion 91.00 (90.70 to 91.70): VU034273.D (-2877) (-)

Ion 125.90 (125.60 to 126.60): VU034273.D (-2877) (-)

300000

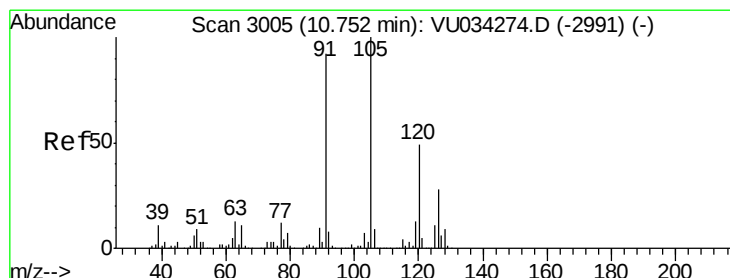
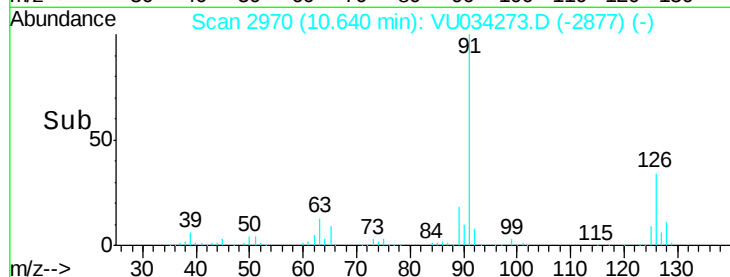
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.490 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034273.D

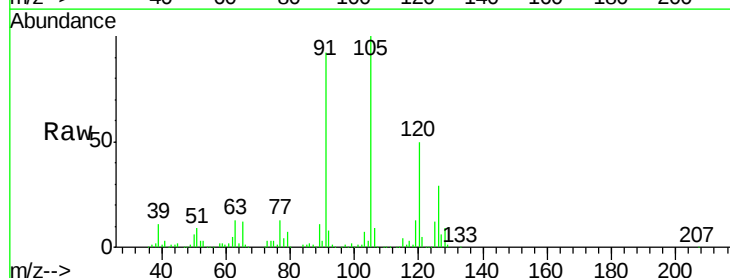
Acq: 05 Sep 2019 10:00

Tgt Ion: 105 Resp: 329361

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034273.D (-2912) (-)

Ion 120.00 (119.70 to 120.70): VU034273.D (-2912) (-)

250000

200000

150000

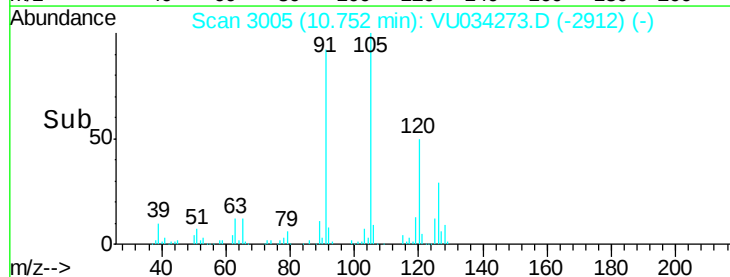
100000

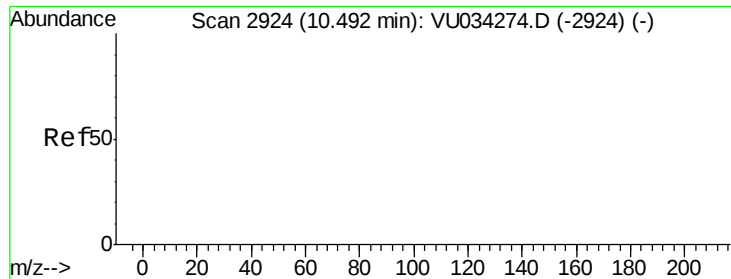
50000

0

10.70 10.80

Time-->





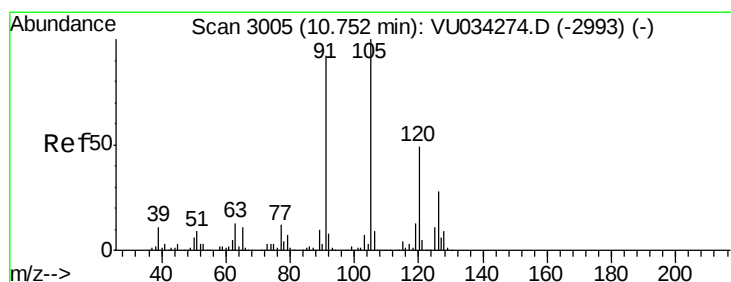
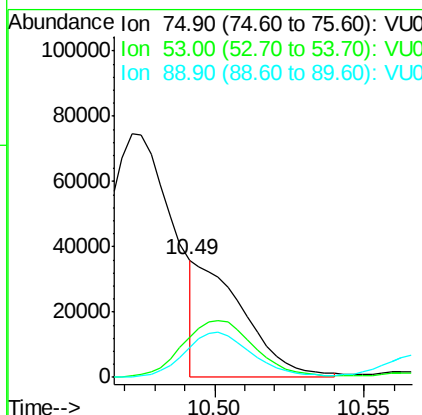
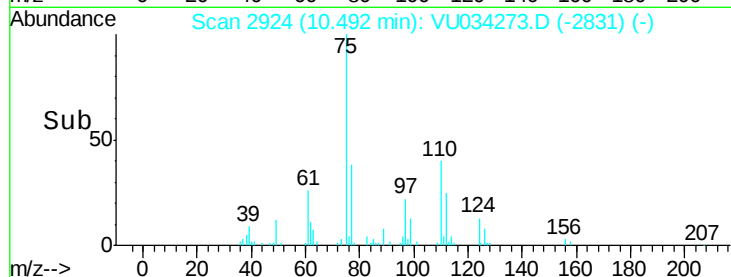
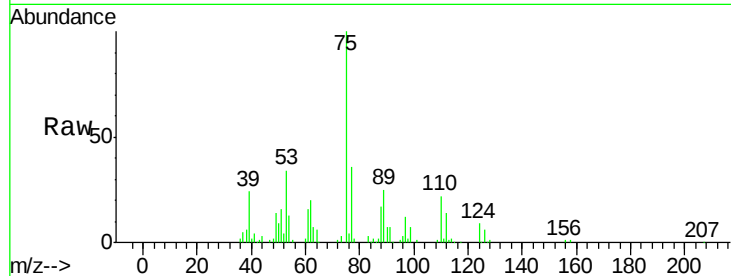
#81
trans-1,4-Dichloro-2-butene
Concen: 21.257 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

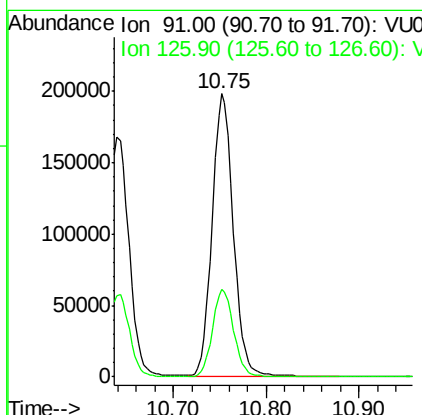
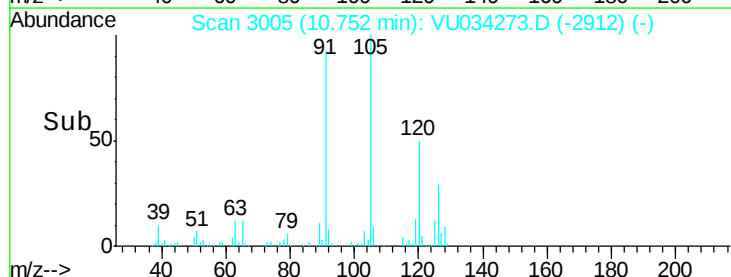
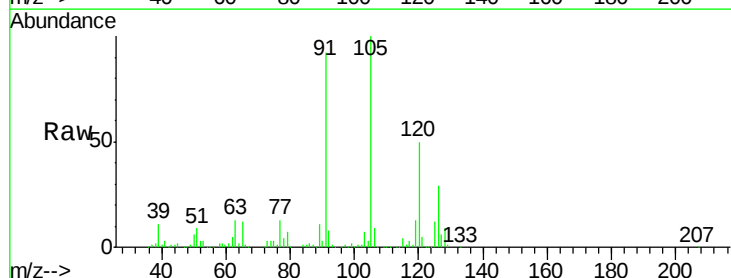
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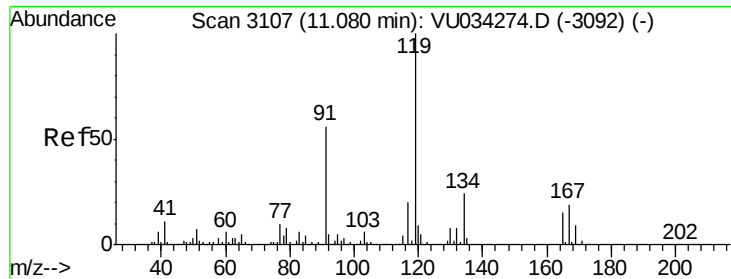
MMDadoda
9/6/2019 3:21:30 PM



#82
4-Chlorotoluene
Concen: 20.477 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





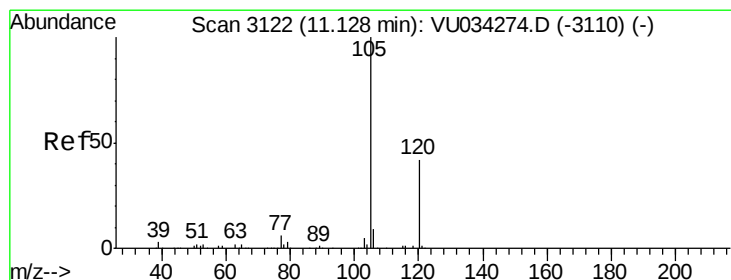
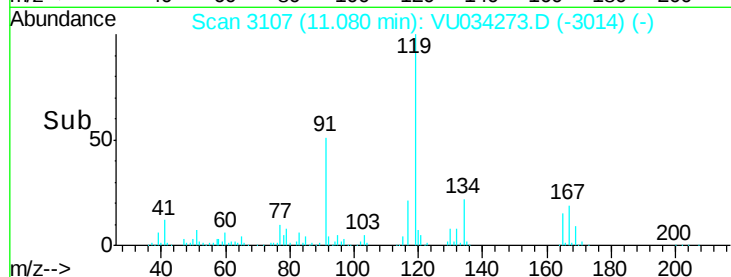
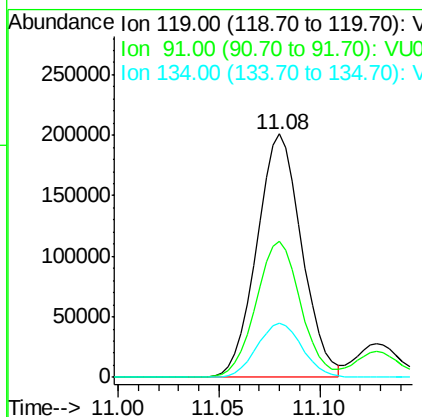
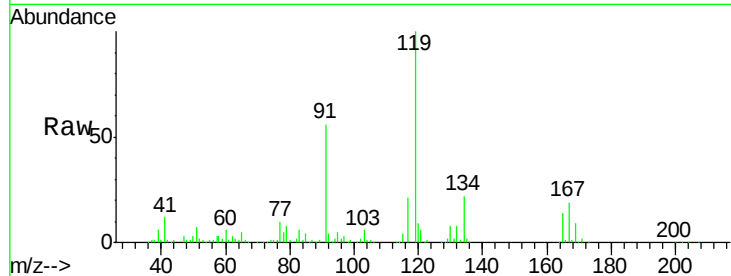
#83
tert-Butylbenzene
Concen: 19.737 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.8	83.4
134	22.5	11.7	35.0

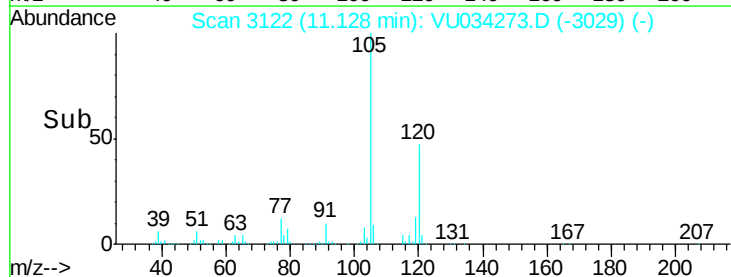
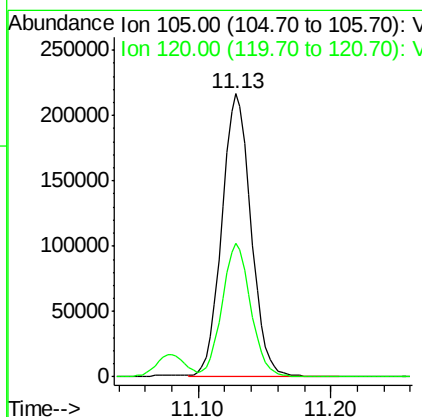
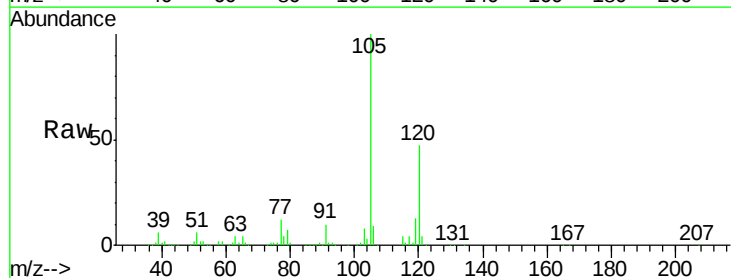
Manual Integrations
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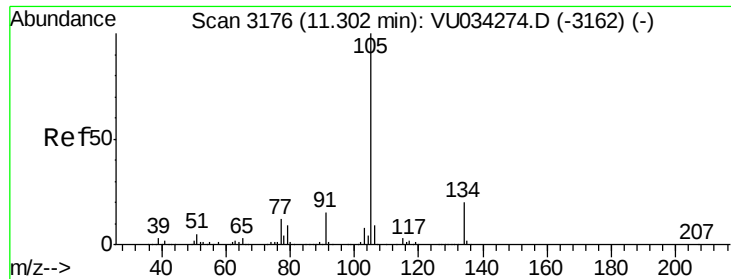
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.613 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.148 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 382371

Ion Ratio Lower Upper

105 100

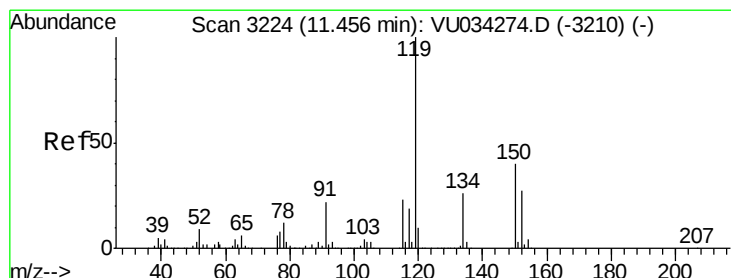
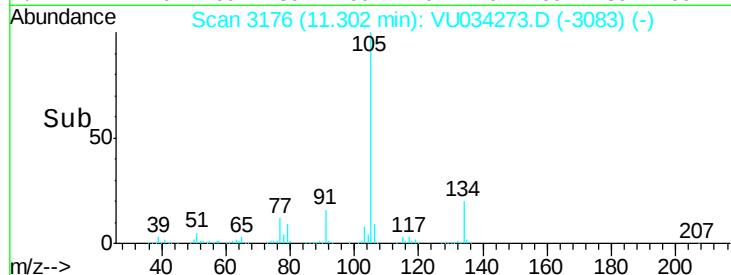
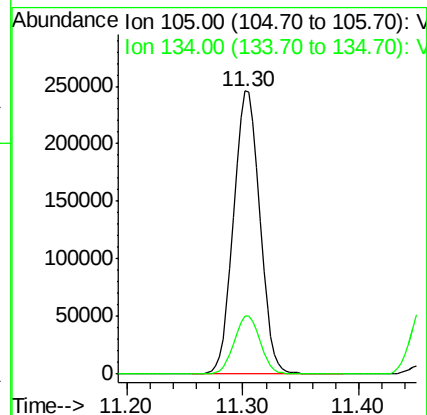
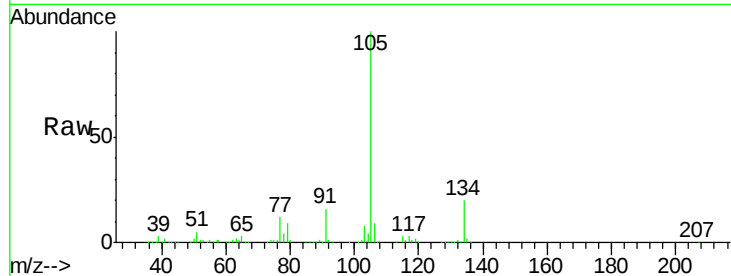
134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 20.638 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

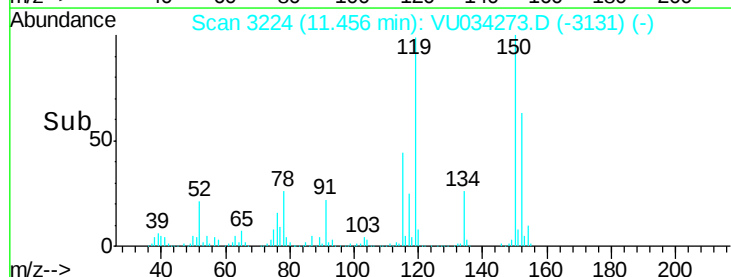
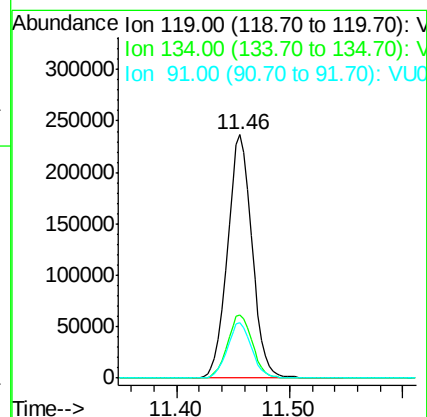
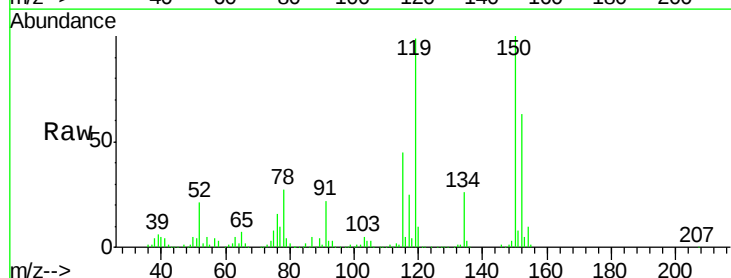
Tgt Ion:119 Resp: 354542

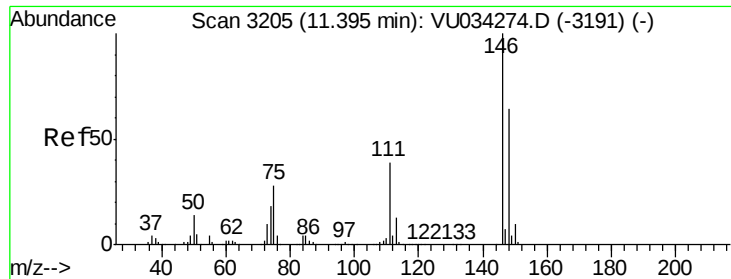
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.5 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 20.861 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

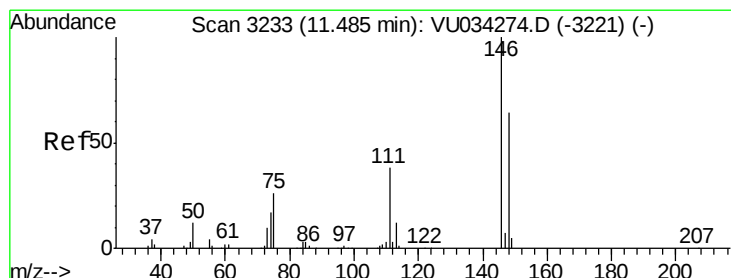
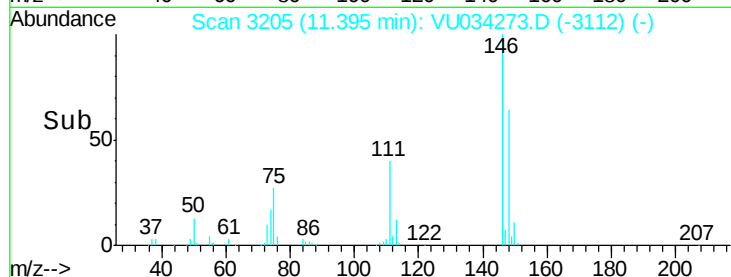
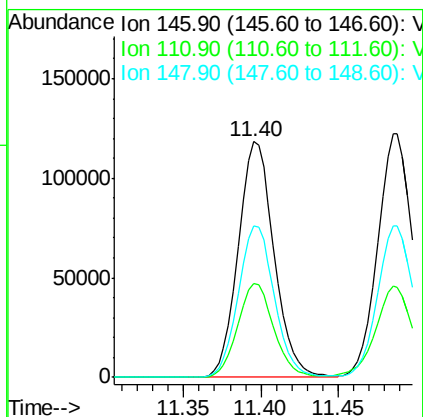
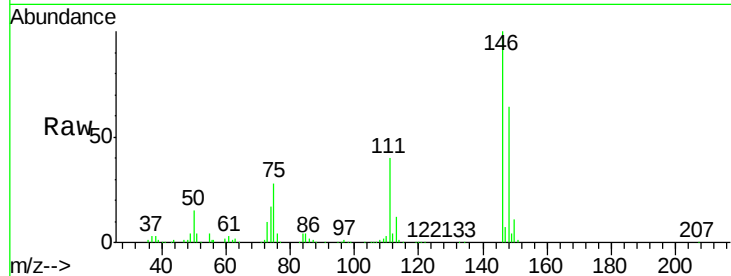
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	190650
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.5	58.5
148	64.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 21.185 ug/l

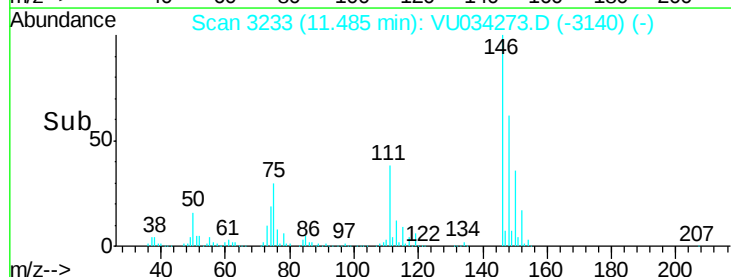
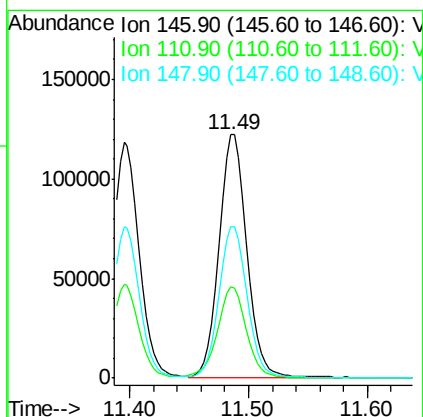
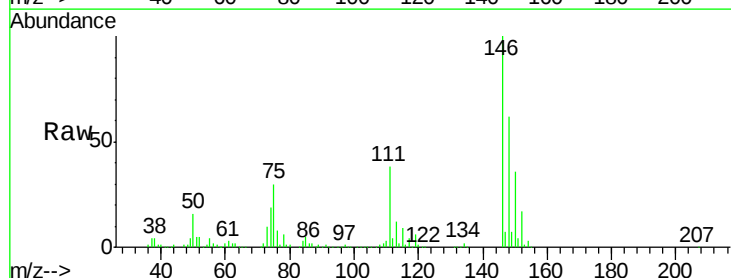
RT: 11.49 min Scan# 3233

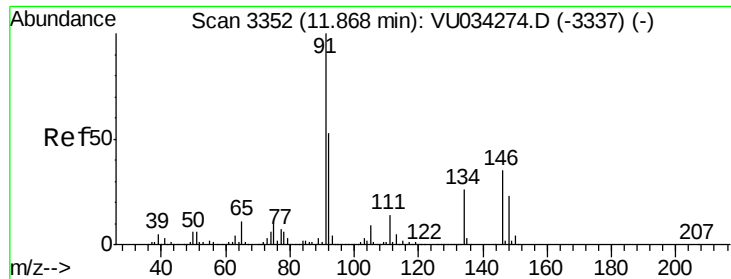
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	146	Resp:	196447
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.3
148	63.4	32.0	96.0





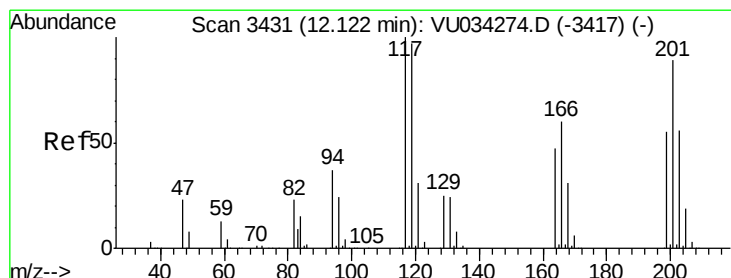
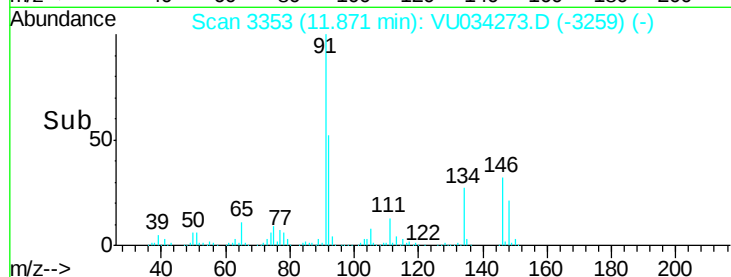
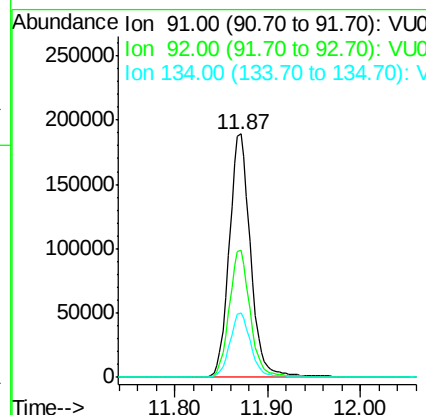
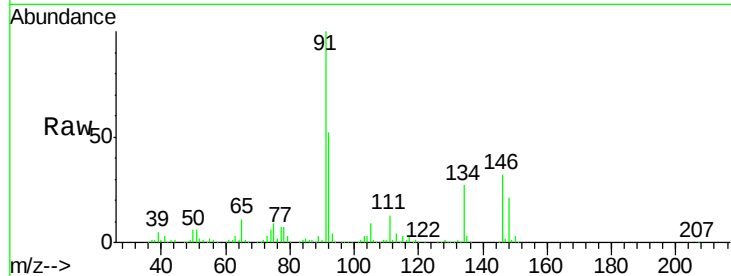
#89
n-Butylbenzene
Concen: 20.001 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.5	79.4
134	25.7	13.2	39.6

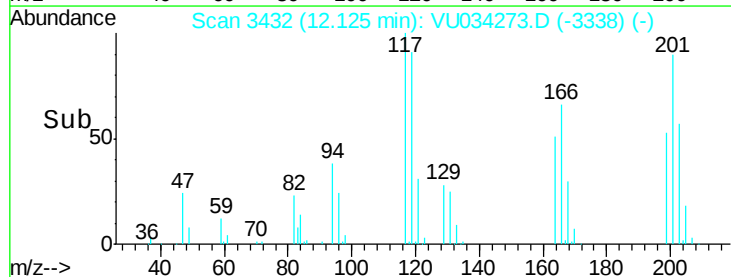
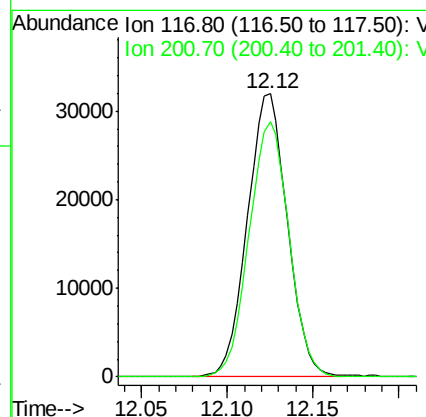
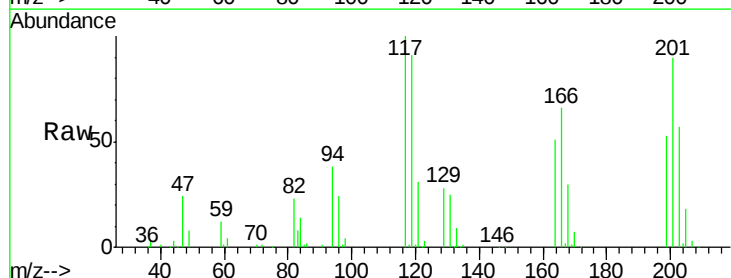
Manual Integrations
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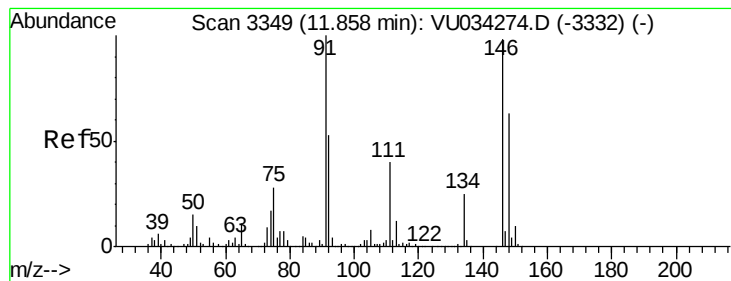
MMDadoda
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#90
Hexachloroethane
Concen: 17.569 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 21.463 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Instrument :

MSVOA_U

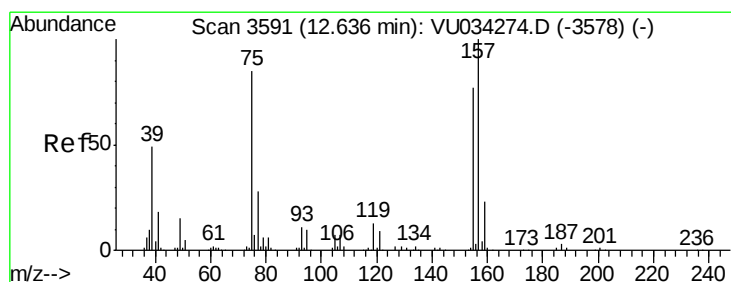
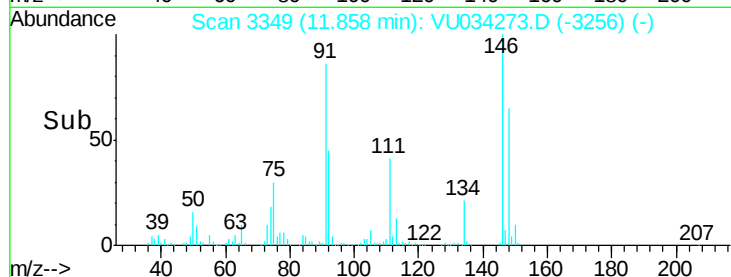
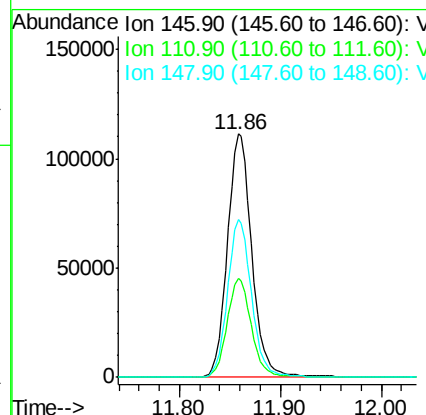
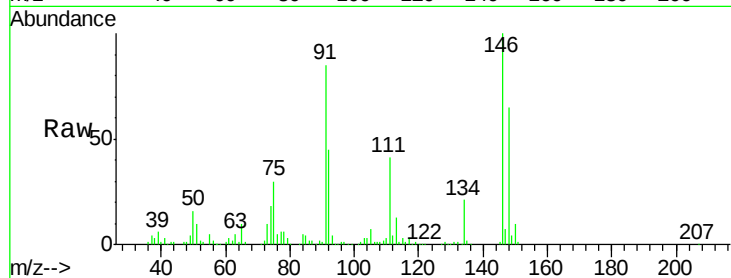
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	188539
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	60.0
148	63.6	31.6	94.8

Manual Integrations
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9/6/2019 3:21:30 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.401 ug/l

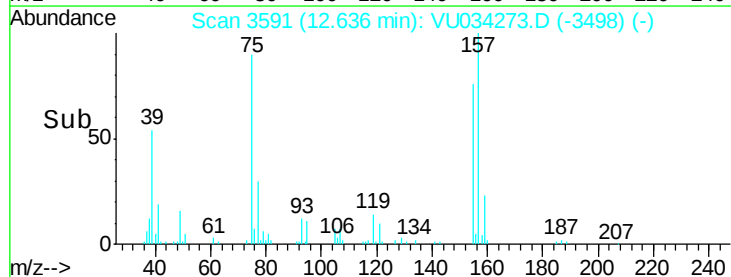
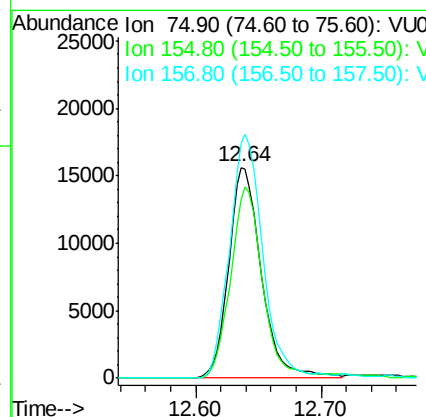
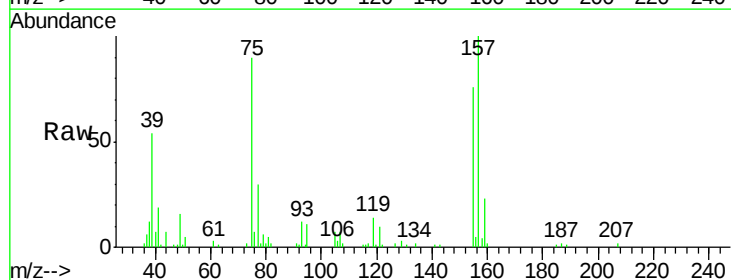
RT: 12.64 min Scan# 3591

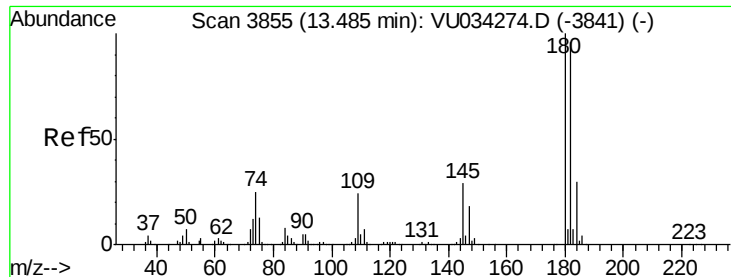
Delta R.T. -0.00 min

Lab File: VU034273.D

Acq: 05 Sep 2019 10:00

Tgt Ion:	75	Resp:	28198
Ion Ratio	Lower	Upper	
75	100		
155	88.8	44.6	134.0
157	118.1	58.2	174.6





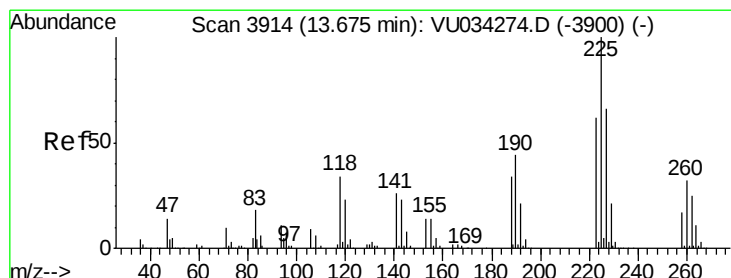
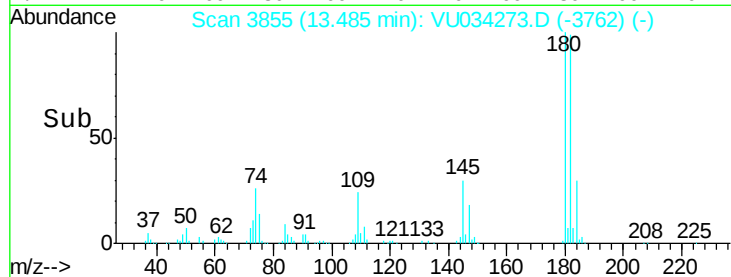
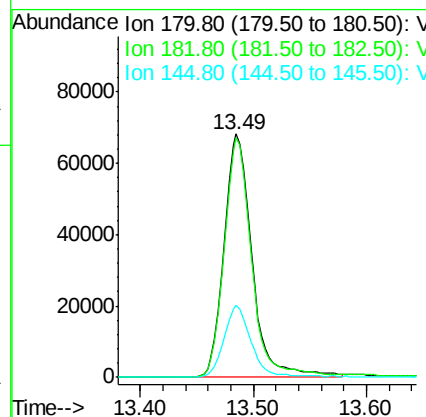
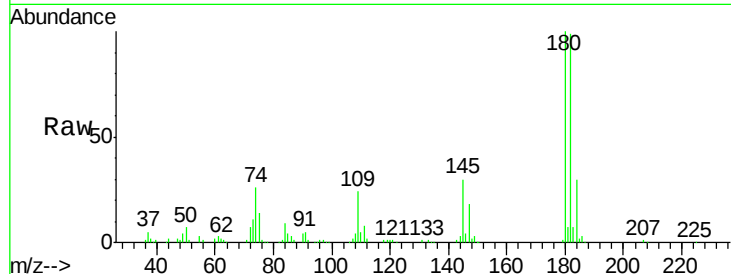
#93
 1,2,4-Trichlorobenzene
 Concen: 21.934 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	28.5	14.4	43.0

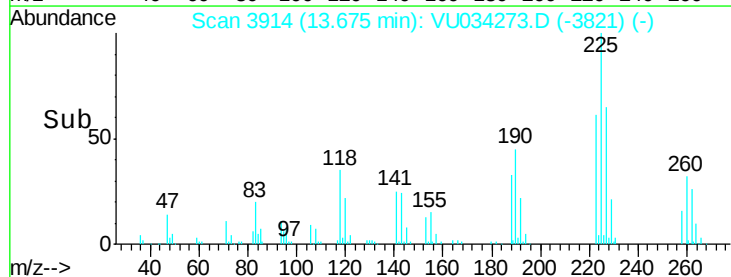
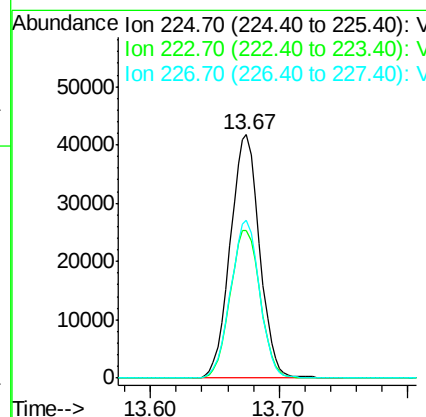
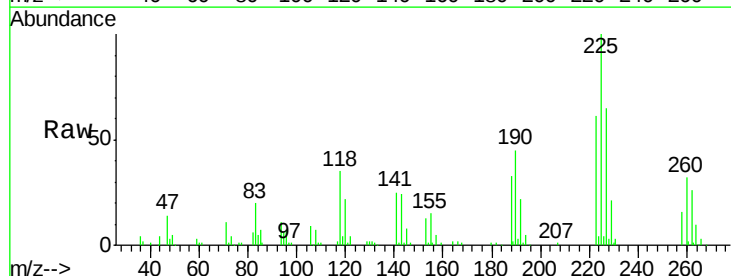
Manual Integrations
 APPROVED

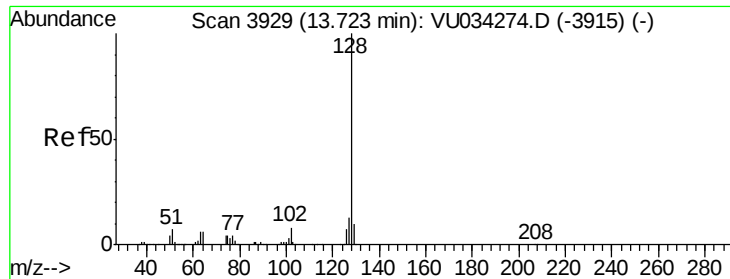
MMDadoda
 9/6/2019 3:21:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.486 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034273.D
 Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	94.7
227	64.2	32.3	96.8





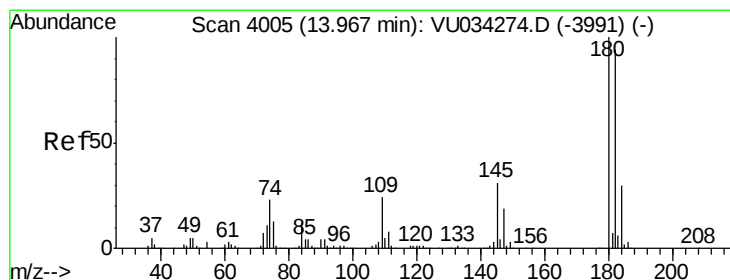
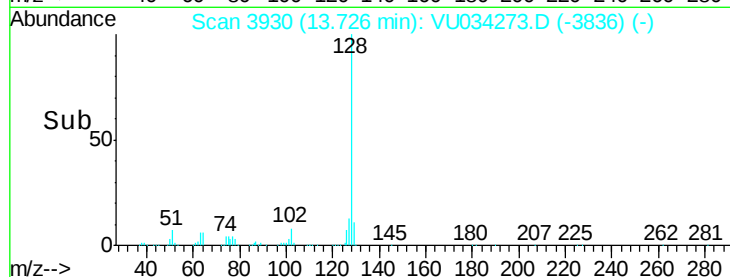
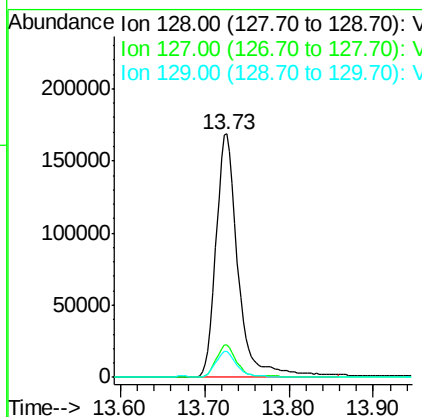
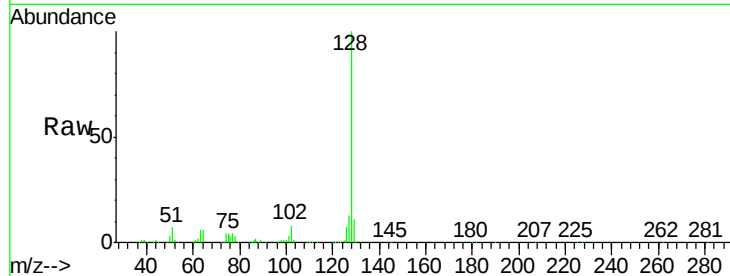
#95
Naphthalene
Concen: 20.843 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.952 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034273.D
Acq: 05 Sep 2019 10:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.0
145	30.2	15.4	46.4

