

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034504.D
 Acq On : 12 Sep 2019 02:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 6:57:26 AM

Quant Time: Sep 12 06:46:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	255519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	361865	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	367196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	248293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	201088	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	4.86	113	181356	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	7.54	98	675565	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	10.29	95	257241	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126855	47.469	ug/l	97
3) Chloromethane	1.32	50	149019	51.617	ug/l	98
4) Vinyl Chloride	1.40	62	160479	48.191	ug/l	97
5) Bromomethane	1.61	94	94501	56.465	ug/l	96
6) Chloroethane	1.68	64	104427	54.034	ug/l	99
7) Trichlorofluoromethane	1.87	101	231929	51.943	ug/l	100
8) Diethyl Ether	2.09	74	102487	52.182	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	152806	51.670	ug/l	99
10) Methyl Iodide	2.40	142	123131	45.854	ug/l	98
11) Tert butyl alcohol	2.81	59	245199	300.209	ug/l	98
12) 1,1-Dichloroethene	2.27	96	142813	51.370	ug/l	98
13) Acrolein	2.18	56	108632	158.245	ug/l	99
14) Allyl chloride	2.58	41	261509m	49.203	ug/l	
15) Acrylonitrile	2.92	53	578455	284.403	ug/l	98
16) Acetone	2.31	43	461539	230.692	ug/l	99
17) Carbon Disulfide	2.46	76	271261	43.414	ug/l	99
18) Methyl Acetate	2.60	43	262097	53.839	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	573072	56.554	ug/l	100
20) Methylene Chloride	2.68	84	186316	56.912	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	149068	50.883	ug/l	96
22) Diisopropyl ether	3.55	45	584546	56.397	ug/l	99
23) Vinyl Acetate	3.50	43	2359016	279.410	ug/l	99
24) 1,1-Dichloroethane	3.43	63	325870	52.646	ug/l	100
25) 2-Butanone	4.24	43	744370	278.724	ug/l	98
26) 2,2-Dichloropropane	4.21	77	204855	41.149	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	193723	54.445	ug/l	96
28) Bromochloromethane	4.52	49	158094	55.528	ug/l	96
29) Tetrahydrofuran	4.61	42	467921	287.934	ug/l	99
30) Chloroform	4.65	83	335583	53.337	ug/l	100
31) Cyclohexane	4.97	56	221022	48.808	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	273421	54.354	ug/l	99
36) 1,1-Dichloropropene	5.12	75	209559	53.398	ug/l	100
37) Ethyl Acetate	4.36	43	267661	57.686	ug/l	99
38) Carbon Tetrachloride	5.11	117	230123	54.919	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	215632	51.399	ug/l	100
40) Benzene	5.37	78	696266	54.983	ug/l	99
41) Methacrylonitrile	4.52	41	149357	60.431	ug/l	99
42) 1,2-Dichloroethane	5.38	62	243530	55.390	ug/l	100
43) Isopropyl Acetate	5.53	43	415279	57.372	ug/l	99
44) Trichloroethene	6.16	130	192728	54.999	ug/l	99
45) 1,2-Dichloropropane	6.41	63	210112	56.756	ug/l	100
46) Dibromomethane	6.54	93	130466	56.144	ug/l	99
47) Bromodichloromethane	6.73	83	270394	56.529	ug/l	99
48) Methyl methacrylate	6.60	41	198481	57.733	ug/l	99
49) 1,4-Dioxane	6.59	88	89180	1187.933	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1461347	291.665	ug/l	99
52) Toluene	7.61	92	444408	55.944	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	271812	54.818	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	300487	55.216	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	205065	56.851	ug/l	99
56) Ethyl methacrylate	8.00	69	293666	53.366	ug/l	100
57) 1,3-Dichloropropane	8.22	76	330727	56.308	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	490384	263.529	ug/l	100
59) 2-Hexanone	8.34	43	1098556	293.496	ug/l	99
60) Dibromochloromethane	8.45	129	228841	59.149	ug/l	100
61) 1,2-Dibromoethane	8.57	107	202676	57.407	ug/l	99
64) Tetrachloroethene	8.21	164	175876	55.209	ug/l	97
65) Chlorobenzene	9.10	112	515924	55.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	200067	56.273	ug/l	99
67) Ethyl Benzene	9.23	91	864781	56.774	ug/l	100
68) m/p-Xylenes	9.35	106	671809	117.126	ug/l	99
69) o-Xylene	9.76	106	322997	57.582	ug/l	99
70) Styrene	9.77	104	595399	60.540	ug/l	99
71) Bromoform	9.94	173	175437	56.937	ug/l #	99
73) Isopropylbenzene	10.14	105	897294	55.531	ug/l	99
74) N-amyl acetate	9.99	43	370126	56.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	347625	53.150	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	286051m	52.779	ug/l	
77) Bromobenzene	10.43	156	243479	53.890	ug/l	98
78) n-propylbenzene	10.57	91	1038154	55.631	ug/l	100
79) 2-Chlorotoluene	10.64	91	629018	55.243	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	777169	57.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	84983m	52.731	ug/l	
82) 4-Chlorotoluene	10.75	91	720017	54.949	ug/l	99
83) tert-Butylbenzene	11.08	119	751599	55.596	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	781269	57.433	ug/l	100
85) sec-Butylbenzene	11.30	105	894470	56.044	ug/l	100
86) p-Isopropyltoluene	11.45	119	832526	56.515	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	441514	53.553	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	443377	51.560	ug/l	99
89) n-Butylbenzene	11.86	91	712004	55.619	ug/l	100
90) Hexachloroethane	12.12	117	126480	53.666	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	437816	54.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	68474	56.973	ug/l	98

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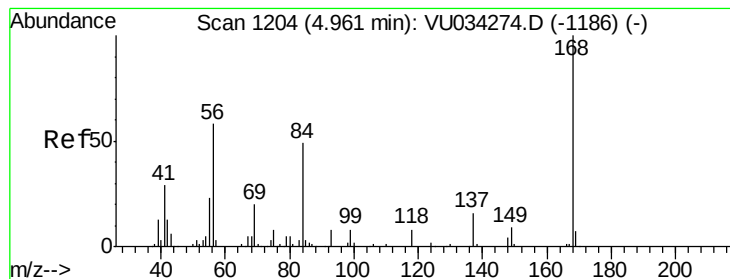
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294342	50.083	ug/l	98
94) Hexachlorobutadiene	13.67	225	140752	49.661	ug/l	100
95) Naphthalene	13.72	128	814416	49.277	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	294408	51.771	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 255519

Ion Ratio Lower Upper

168 100

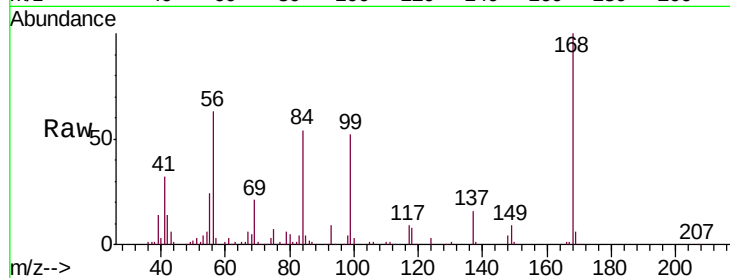
99 51.4 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

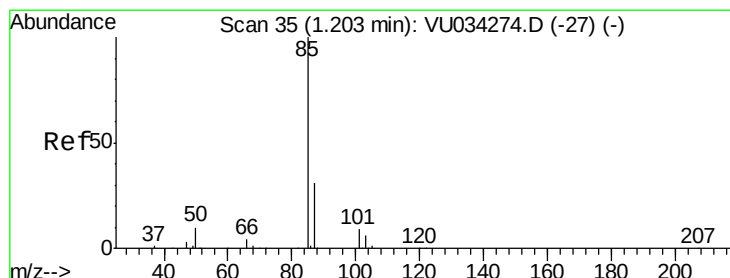
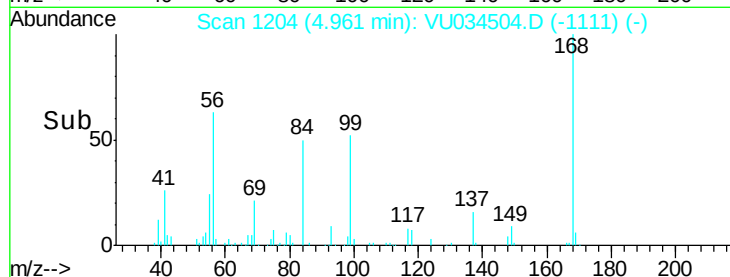
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.469 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034504.D

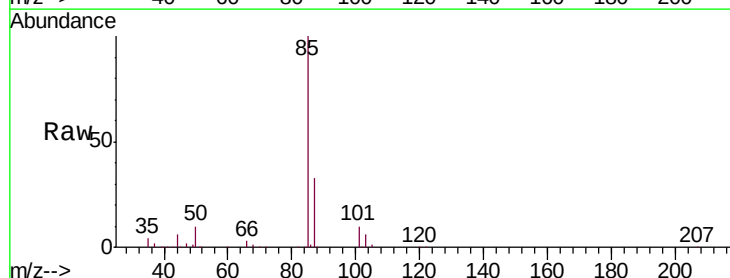
Acq: 12 Sep 2019 02:49

Tgt Ion: 85 Resp: 126855

Ion Ratio Lower Upper

85 100

87 32.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

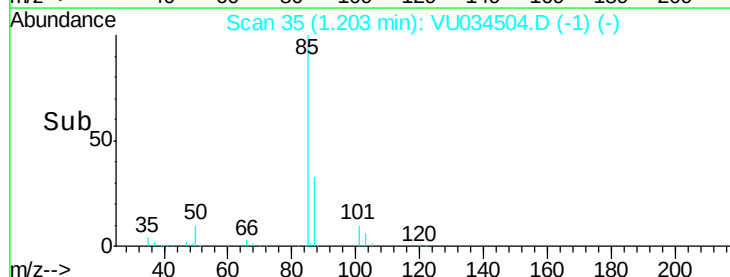
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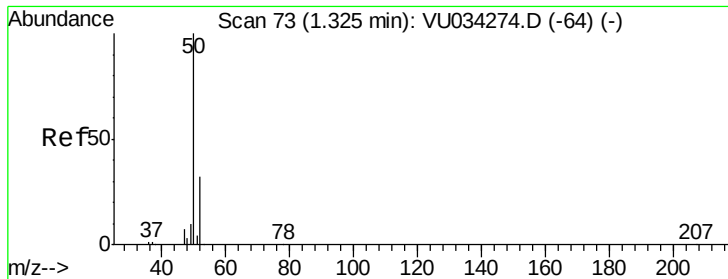
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 51.617 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 149019

Ion Ratio Lower Upper

50 100

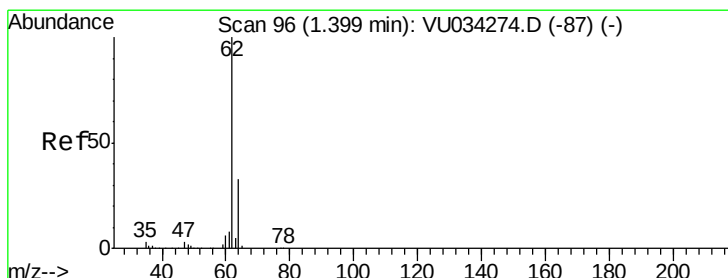
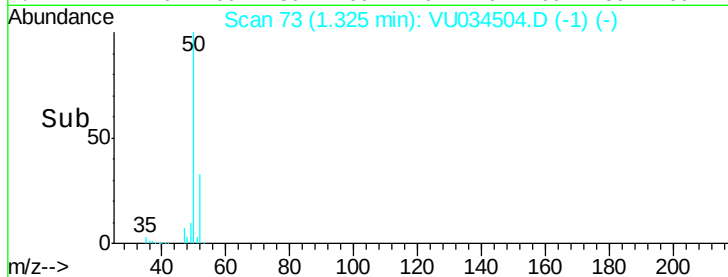
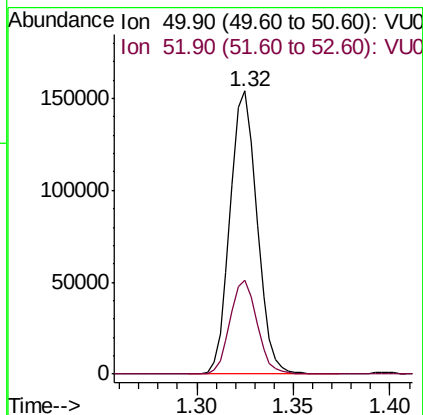
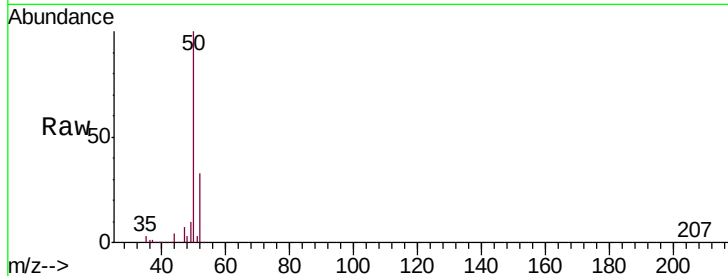
52 33.2 25.8 38.6

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#4

Vinyl Chloride

Concen: 48.191 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034504.D

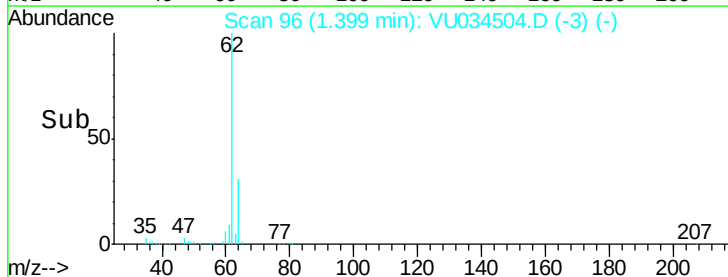
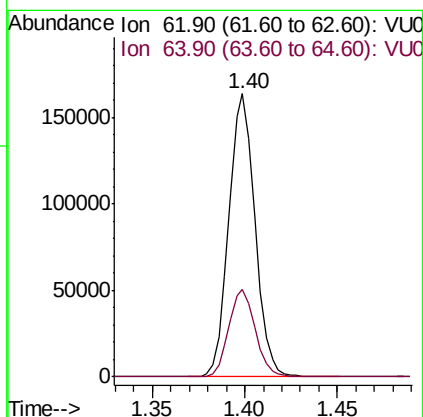
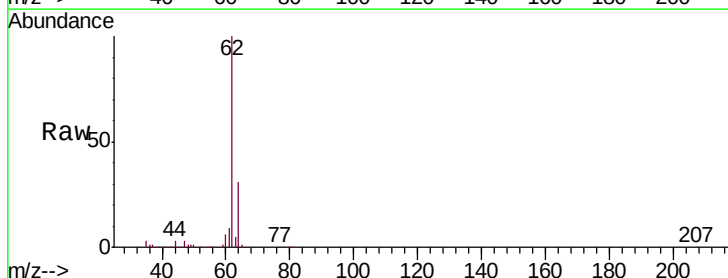
Acq: 12 Sep 2019 02:49

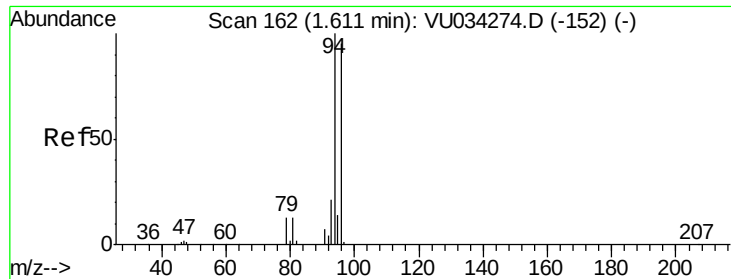
Tgt Ion: 62 Resp: 160479

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 56.465 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 94501

Ion Ratio Lower Upper

94 100

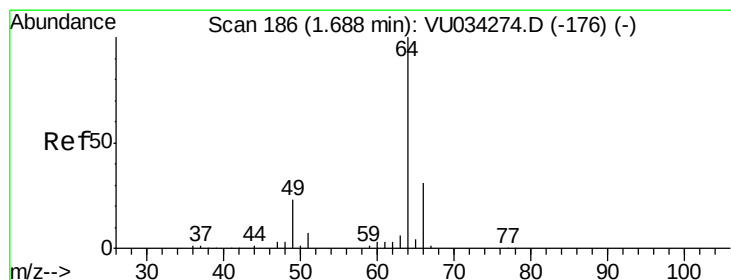
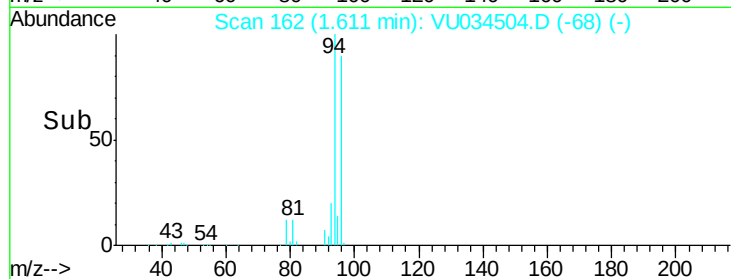
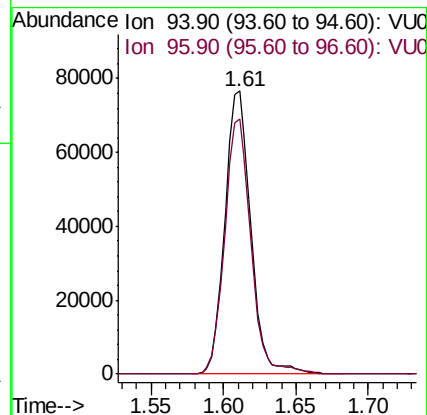
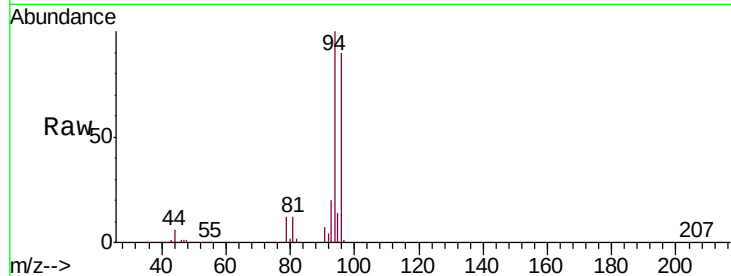
96 90.3 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 54.034 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034504.D

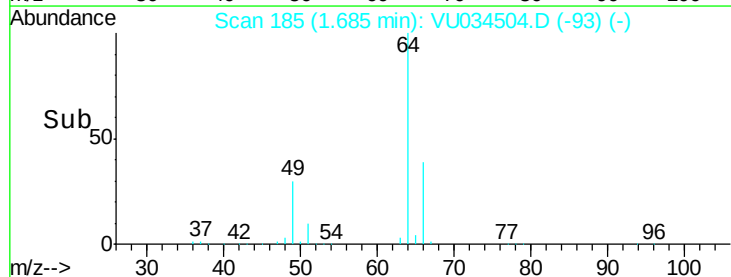
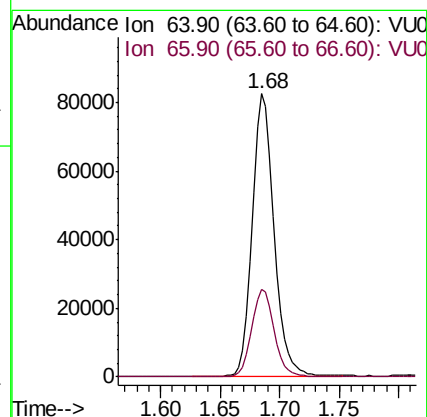
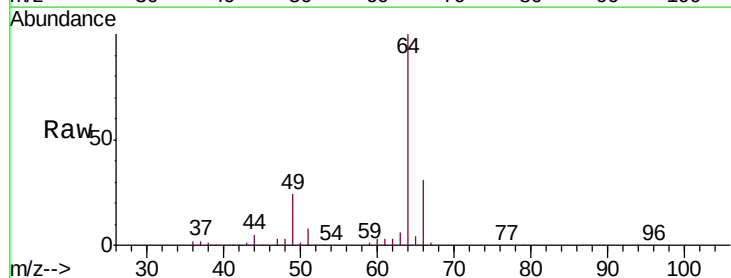
Acq: 12 Sep 2019 02:49

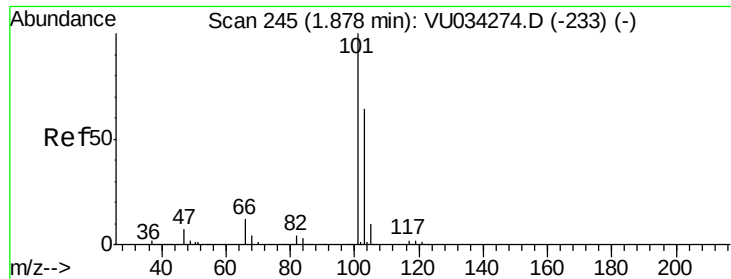
Tgt Ion: 64 Resp: 104427

Ion Ratio Lower Upper

64 100

66 30.9 25.0 37.6





#7

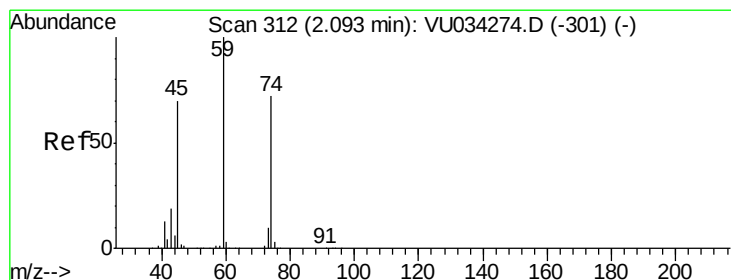
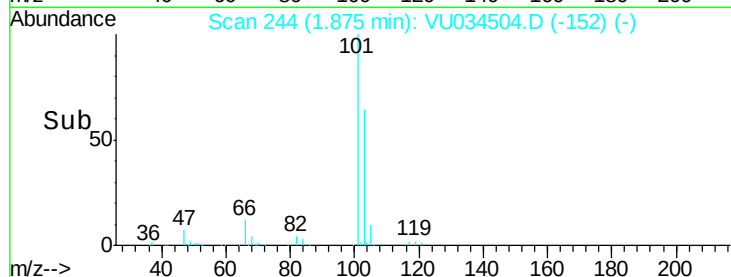
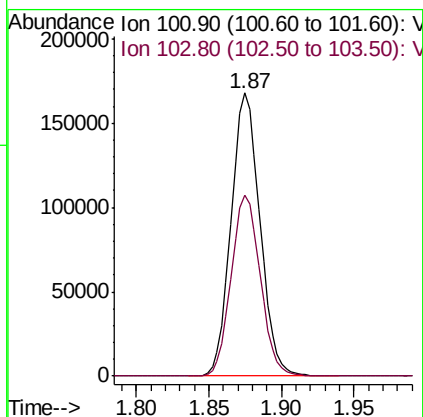
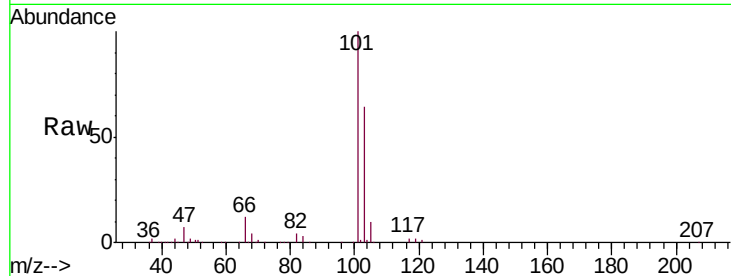
Trichlorofluoromethane
 Concen: 51.943 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	231929		
103	64.1	51.0	76.6	

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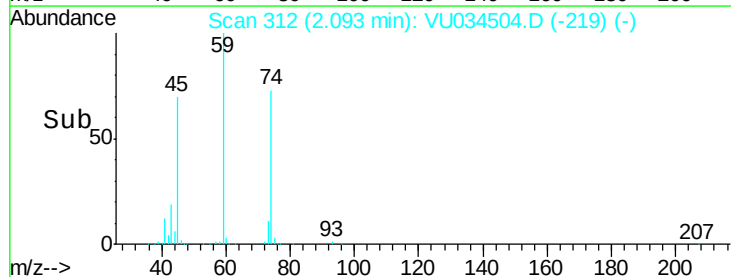
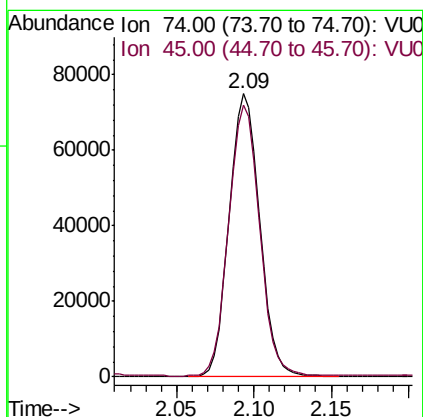
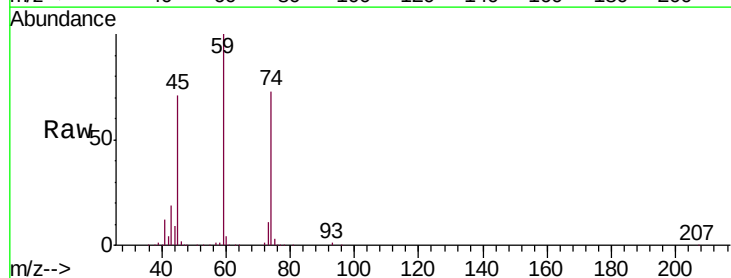
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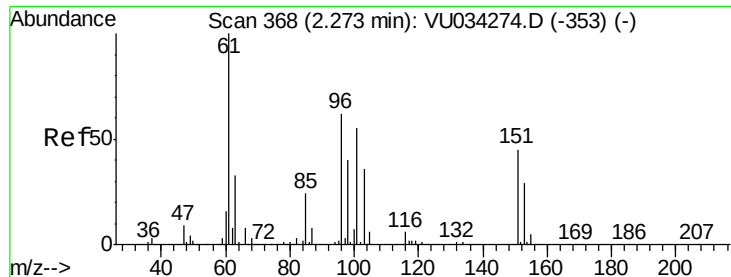


#8

Diethyl Ether
 Concen: 52.182 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	102487		
45	96.7	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.670 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

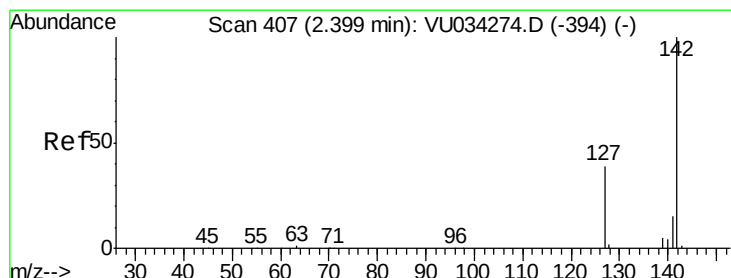
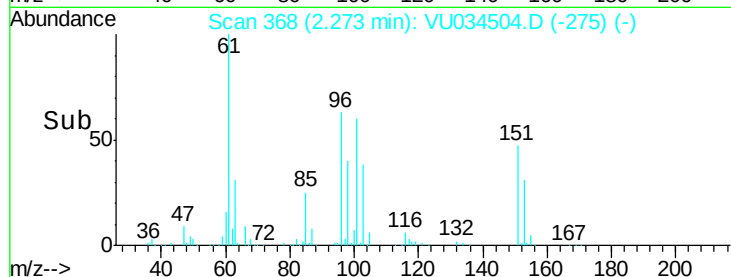
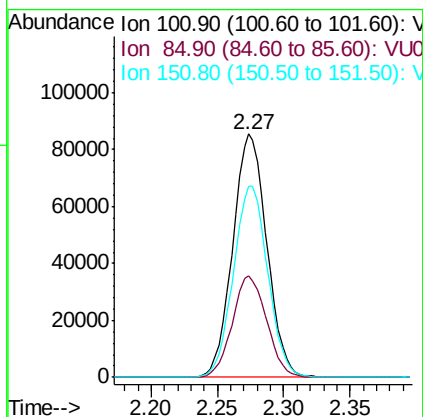
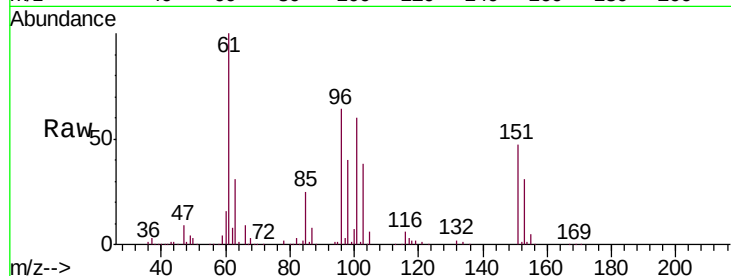
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	152806
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.4	51.6
151	79.3	64.4	96.6

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#10

Methyl Iodide

Concen: 45.854 ug/l

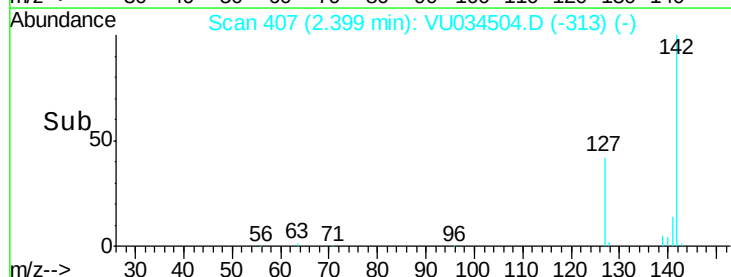
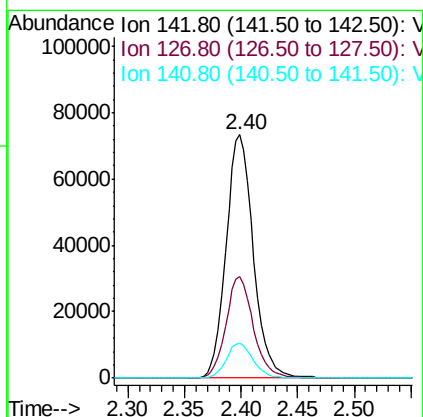
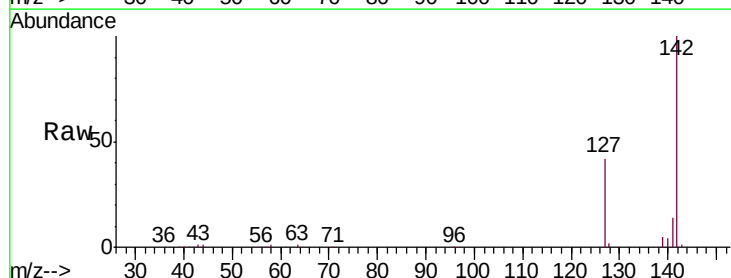
RT: 2.40 min Scan# 407

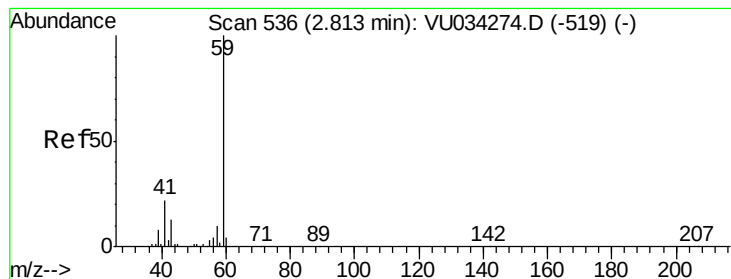
Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	142	Resp:	123131
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.1	48.1
141	14.3	11.5	17.3





#11

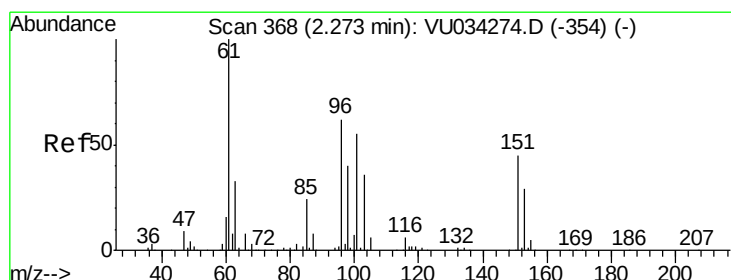
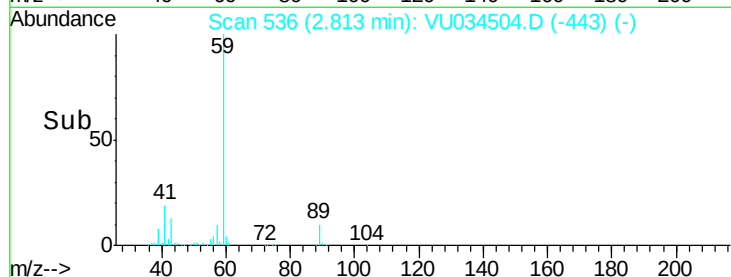
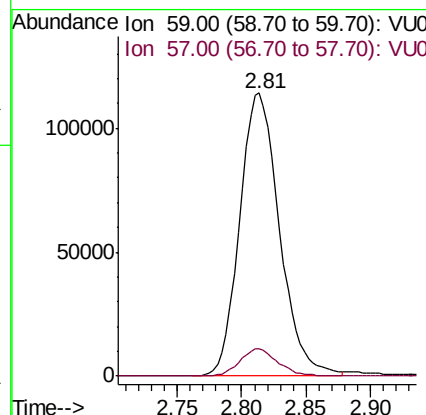
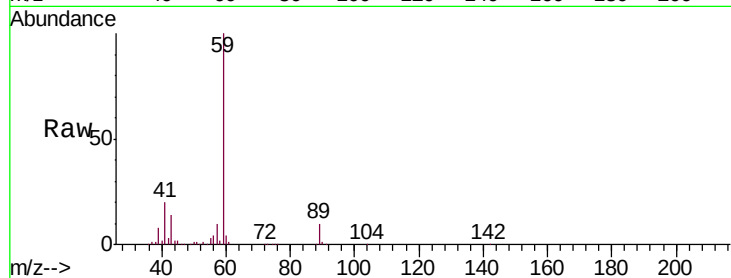
Tert butyl alcohol
 Concen: 300.209 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.9	11.9

Manual Integrations
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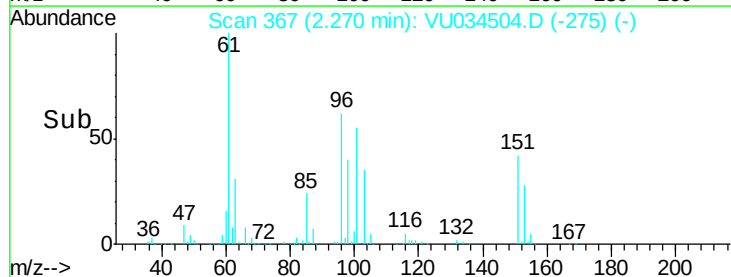
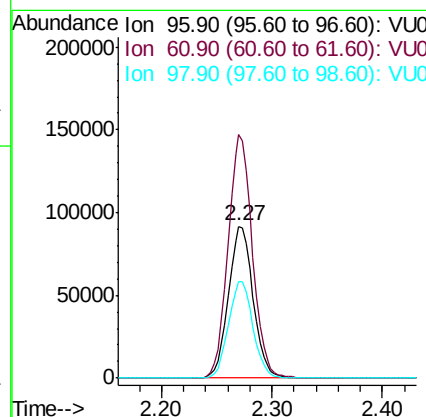
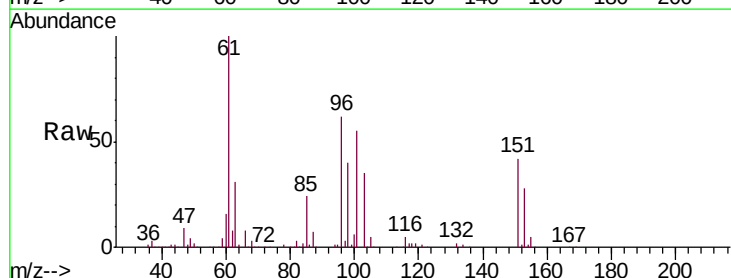
MMDadoda
 9/13/2019 6:57:26 AM

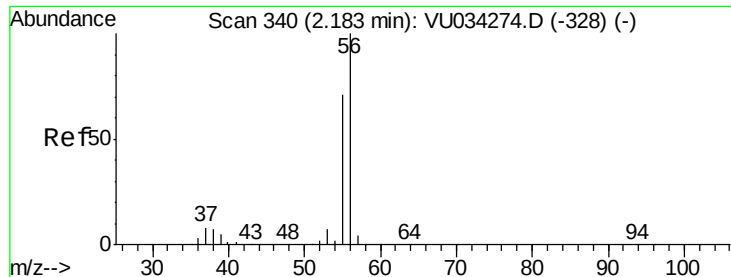


#12

1,1-Dichloroethene
 Concen: 51.370 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	130.0	195.0
98	63.7	52.2	78.4





#13

Acrolein

Concen: 158.245 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 108632

Ion Ratio Lower Upper

56 100

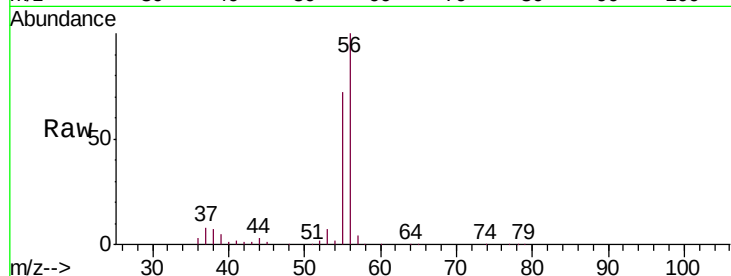
55 71.2 57.4 86.2

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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)

2.18

80000

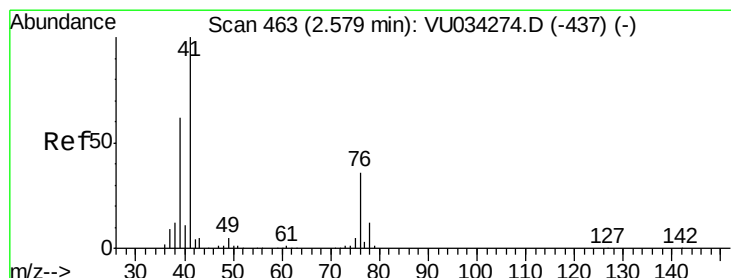
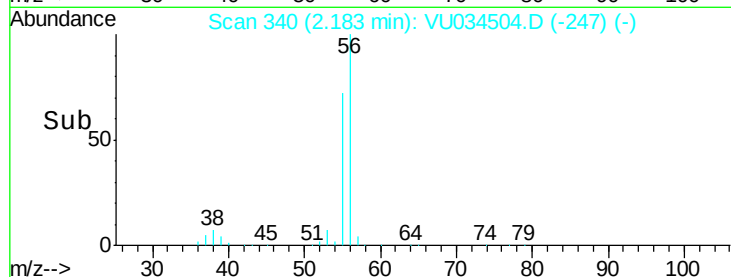
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 49.203 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

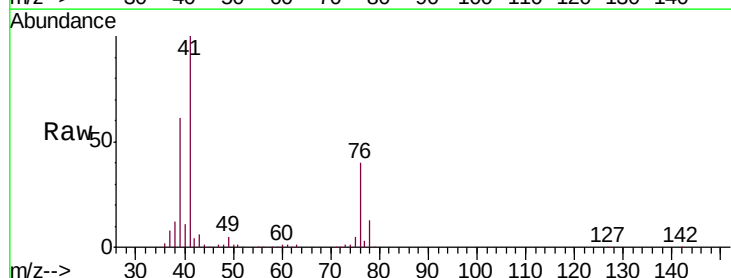
Tgt Ion: 41 Resp: 261509

Ion Ratio Lower Upper

41 100

39 54.4 43.5 65.3

76 33.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)

200000

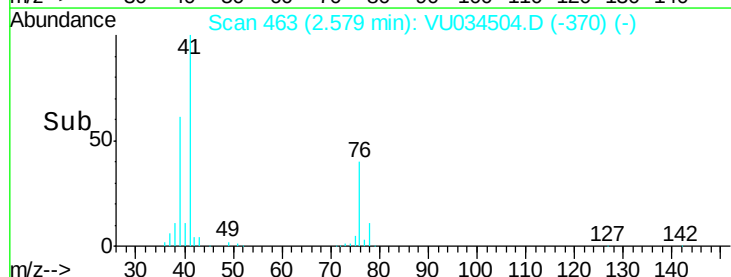
150000

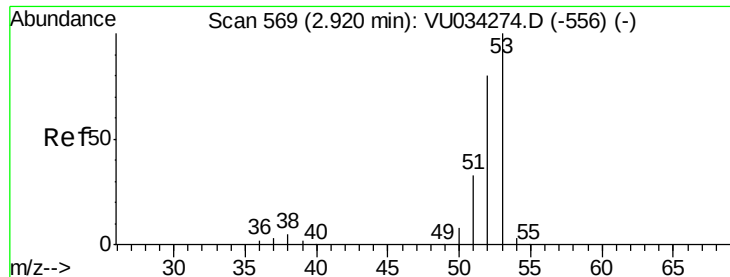
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 284.403 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

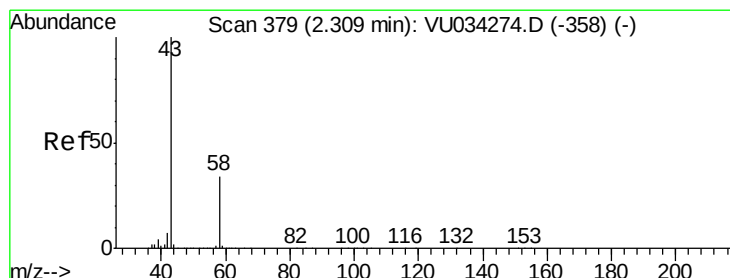
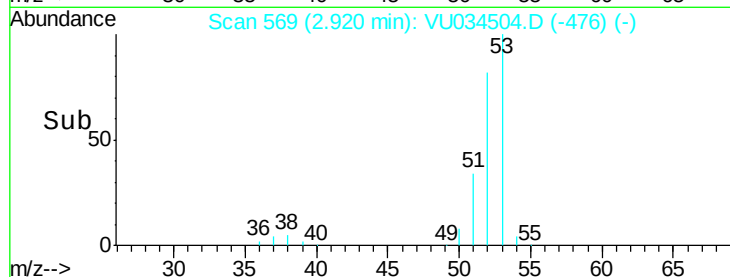
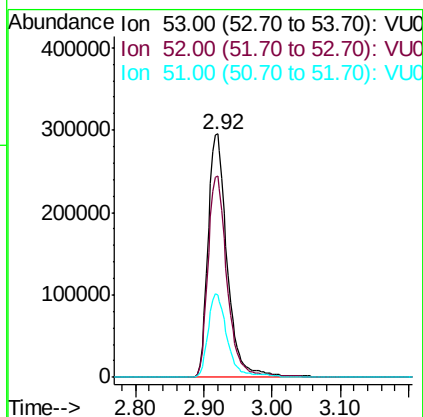
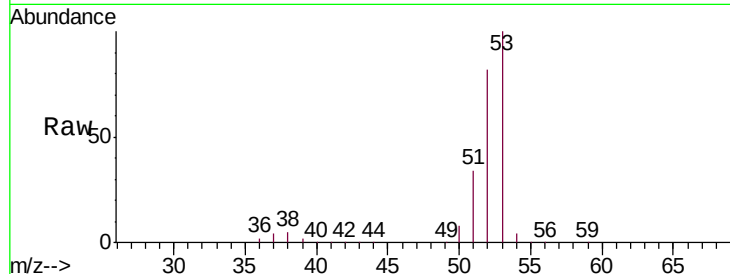
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	578455
Ion	Ratio	Lower	Upper
53	100		
52	82.2	64.1	96.1
51	34.5	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 230.692 ug/l

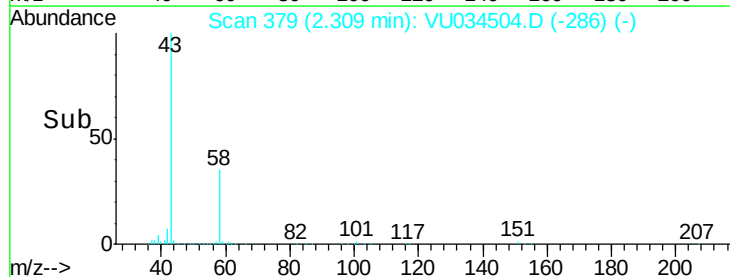
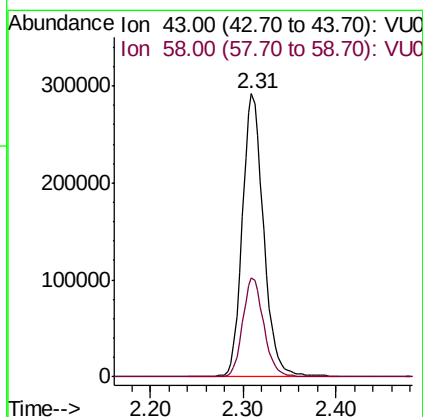
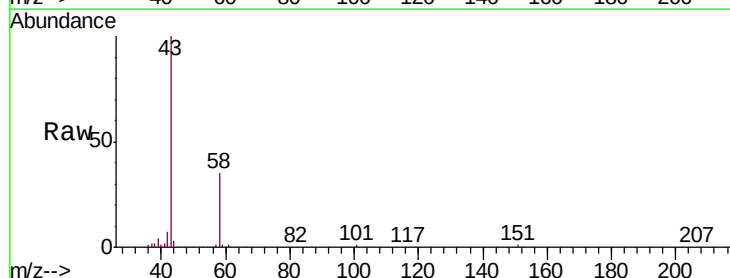
RT: 2.31 min Scan# 379

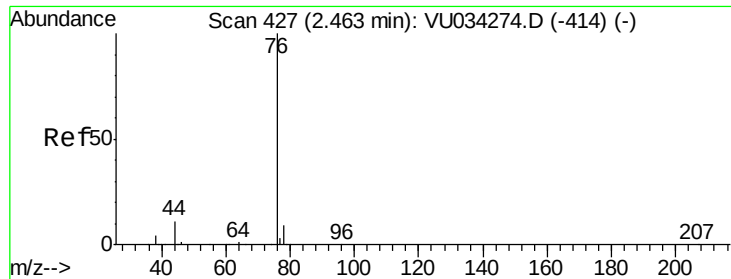
Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	43	Resp:	461539
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.6	41.4





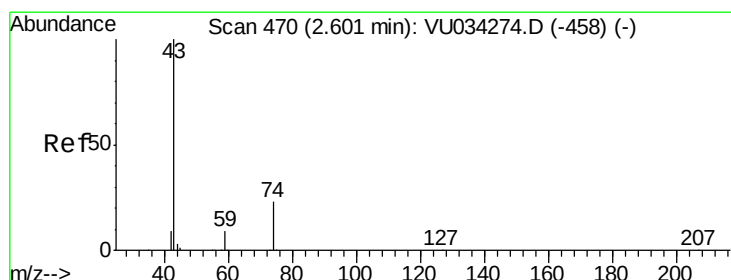
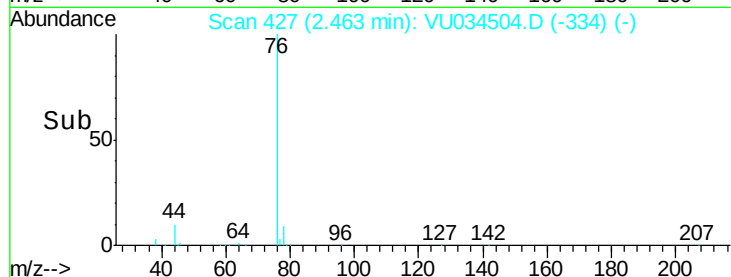
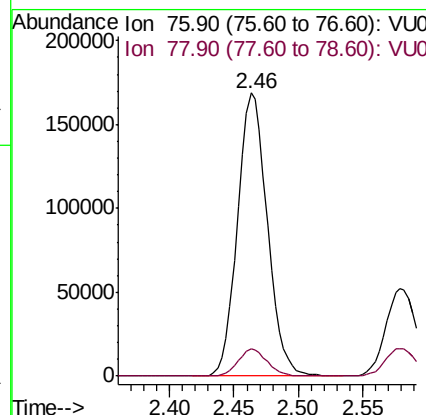
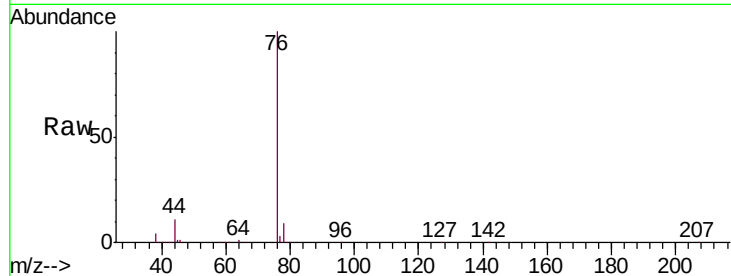
#17
Carbon Disulfide
Concen: 43.414 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

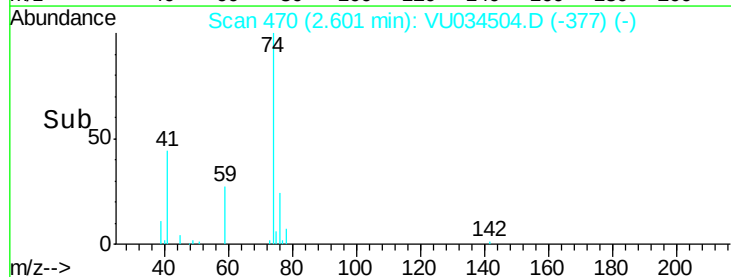
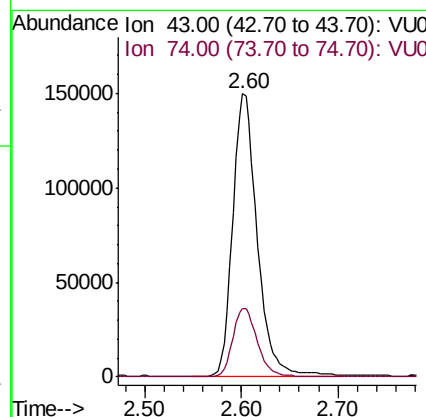
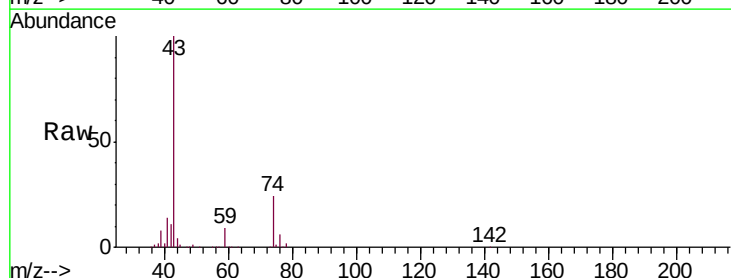
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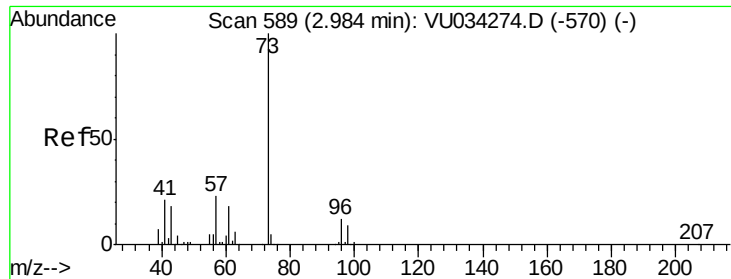
MMDadoda
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#18
Methyl Acetate
Concen: 53.839 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.9	28.3





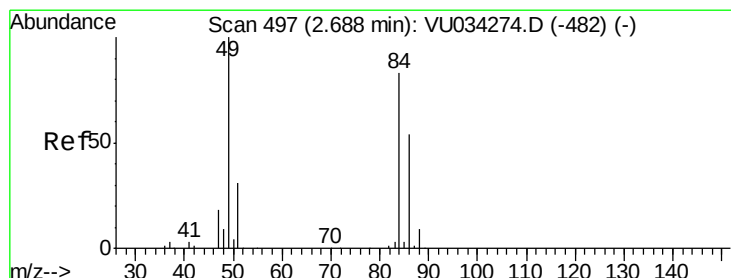
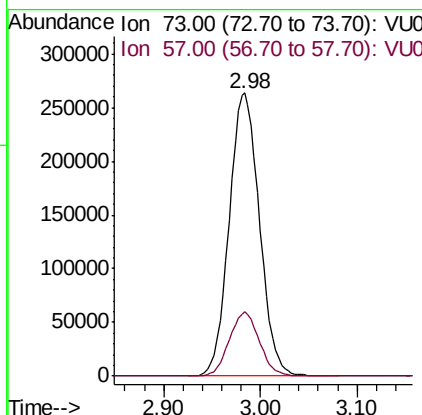
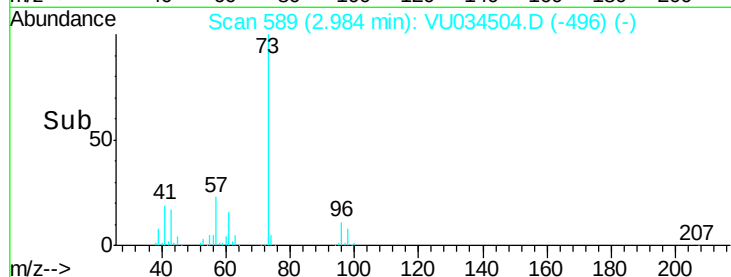
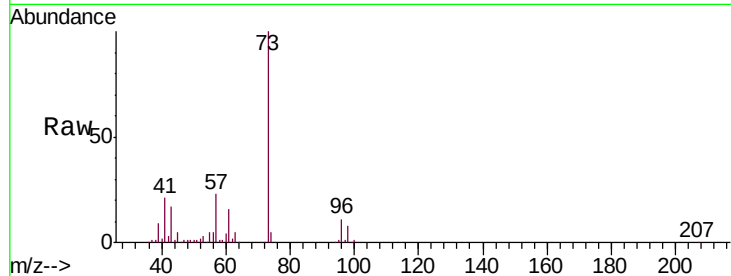
#19
Methyl tert-butyl Ether
Concen: 56.554 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 573072
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

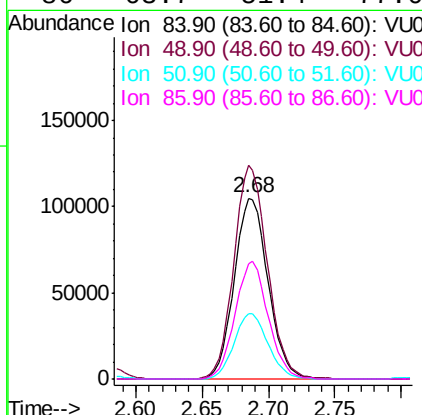
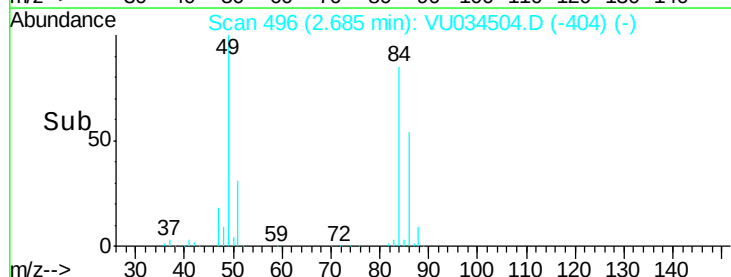
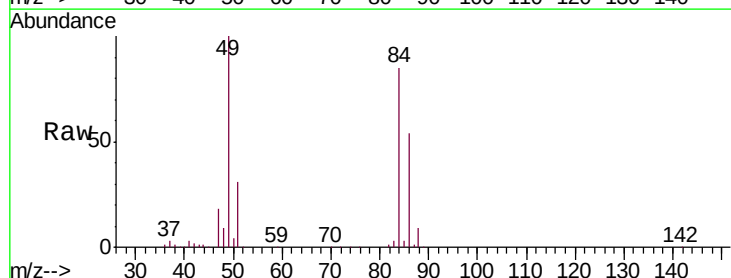
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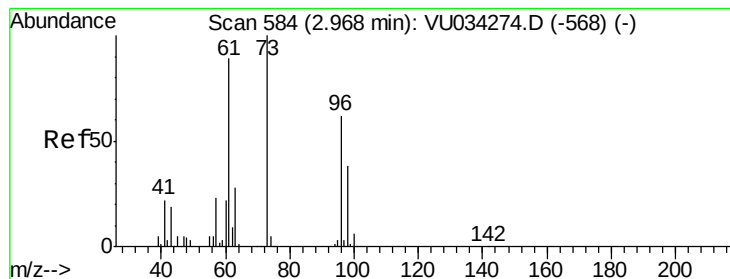
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#20
Methylene Chloride
Concen: 56.912 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 84 Resp: 186316
Ion Ratio Lower Upper
84 100
49 118.3 96.0 144.0
51 36.4 30.0 45.0
86 63.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.883 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 149068

Ion Ratio Lower Upper

96 100

61 139.1 114.8 172.2

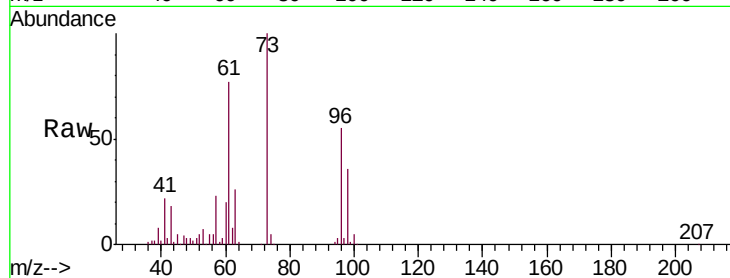
98 65.3 49.8 74.8

Manual Integrations

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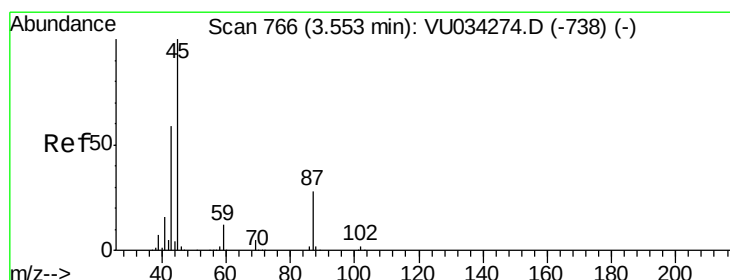
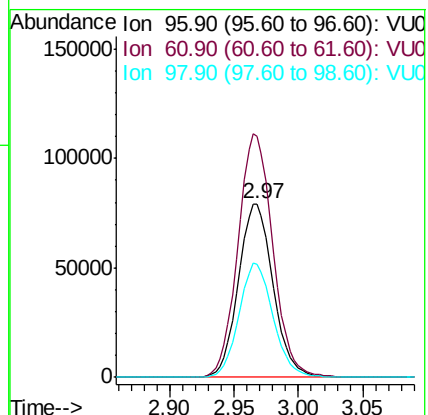
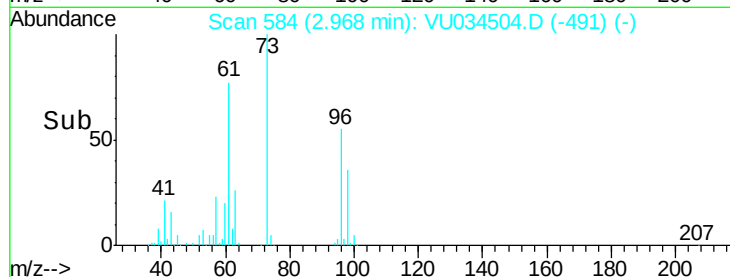


Abundance Ion 95.90 (95.60 to 96.60): VU034504.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034504.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034504.D (-491) (-)

Time-->



#22

Diisopropyl ether

Concen: 56.397 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion: 45 Resp: 584546

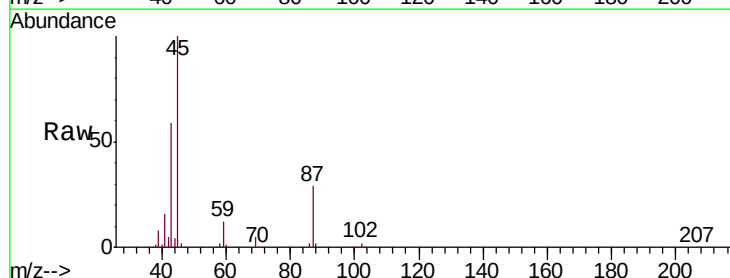
Ion Ratio Lower Upper

45 100

43 58.6 47.5 71.3

87 29.1 22.2 33.4

59 12.0 9.4 14.2



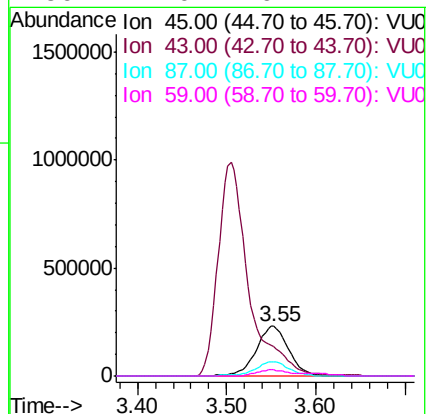
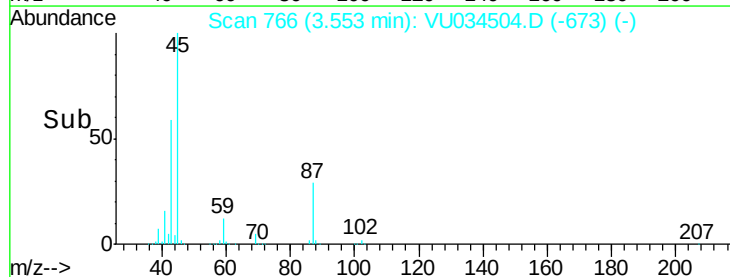
Abundance Ion 45.00 (44.70 to 45.70): VU034504.D (-673) (-)

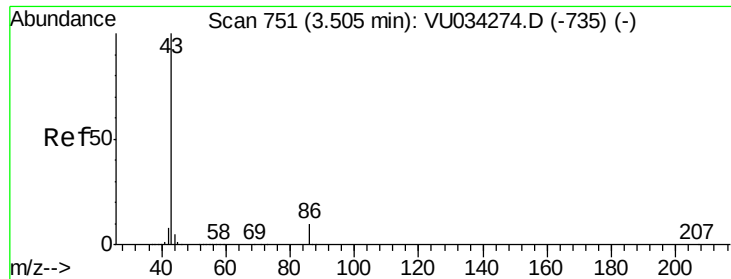
Ion 43.00 (42.70 to 43.70): VU034504.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034504.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034504.D (-673) (-)

Time-->





#23

Vinyl Acetate

Concen: 279.410 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2359016

Ion Ratio Lower Upper

43 100

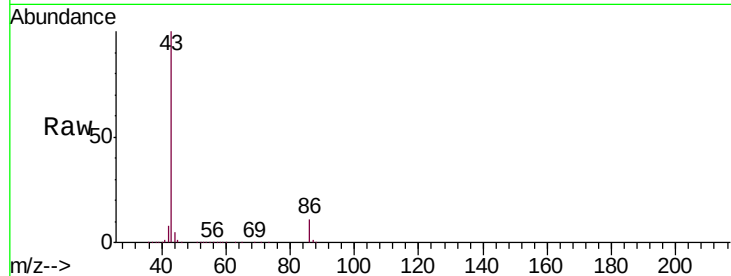
86 10.7 8.3 12.5

Manual Integrations

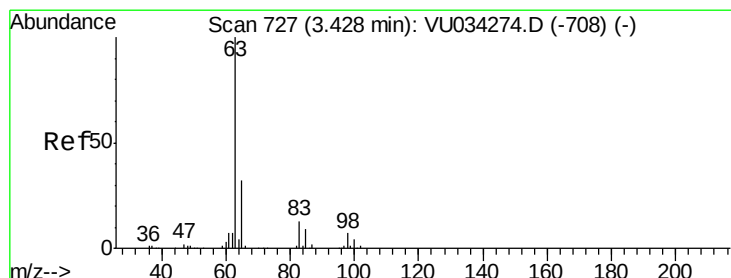
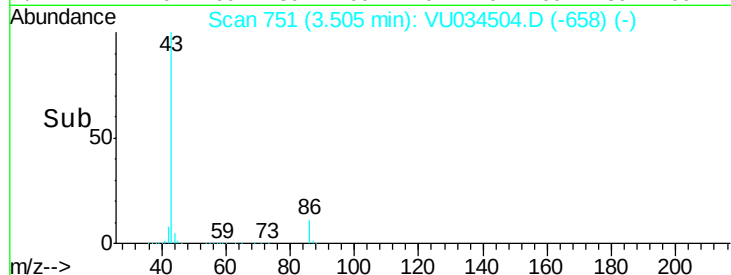
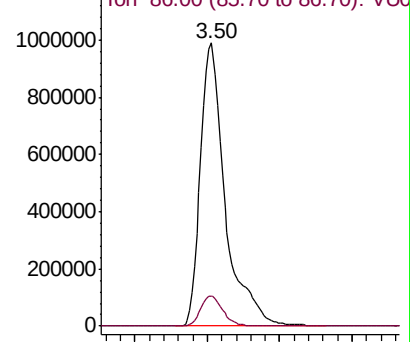
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Abundance Ion 43.00 (42.70 to 43.70): VU034504.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 52.646 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

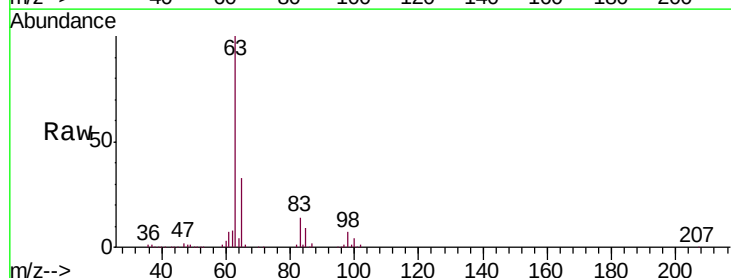
Tgt Ion: 63 Resp: 325870

Ion Ratio Lower Upper

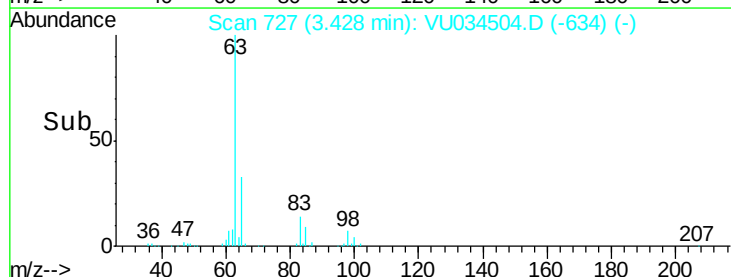
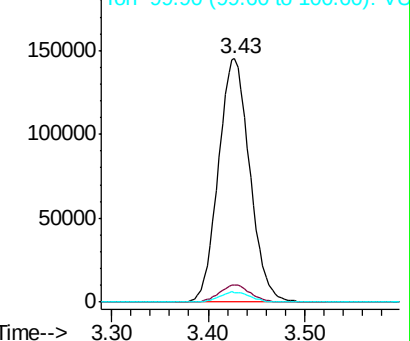
63 100

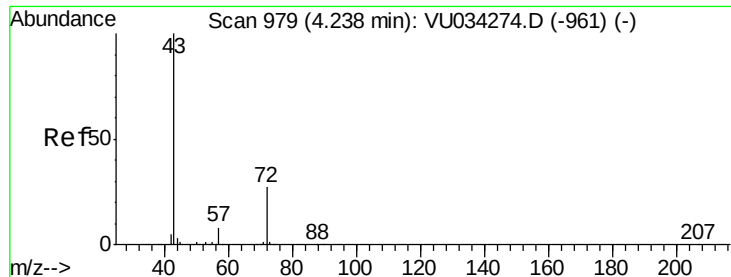
98 7.0 3.5 10.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034504.D (-634) (-)





#25

2-Butanone

Concen: 278.724 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 744370

Ion Ratio Lower Upper

43 100

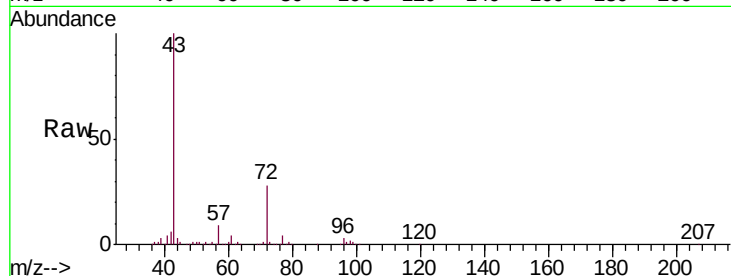
72 28.2 21.8 32.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

300000

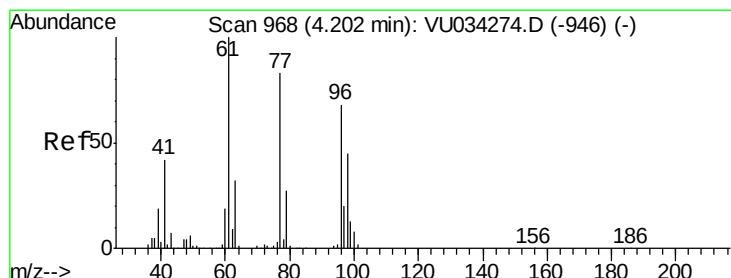
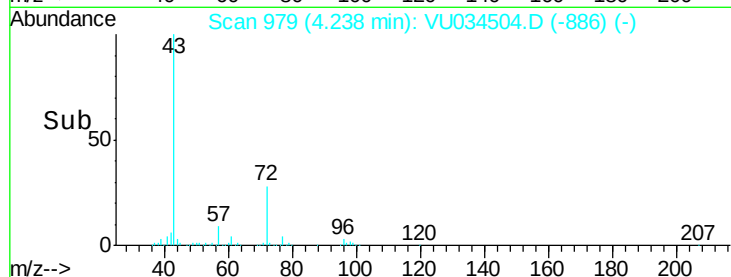
200000

100000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.149 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034504.D

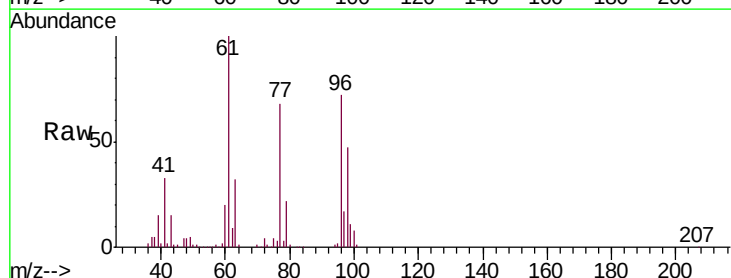
Acq: 12 Sep 2019 02:49

Tgt Ion: 77 Resp: 204855

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

80000

60000

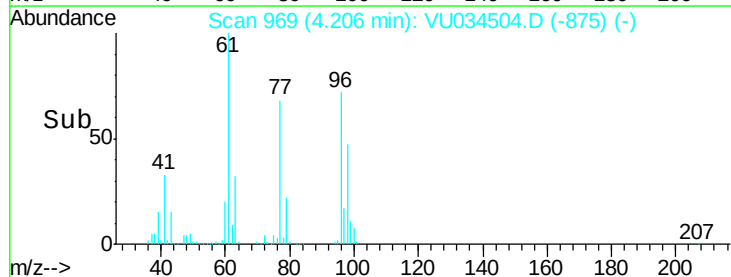
40000

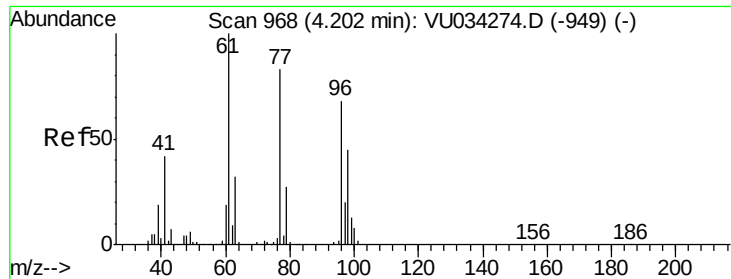
20000

0

4.10 4.20 4.30

Time-->





#27

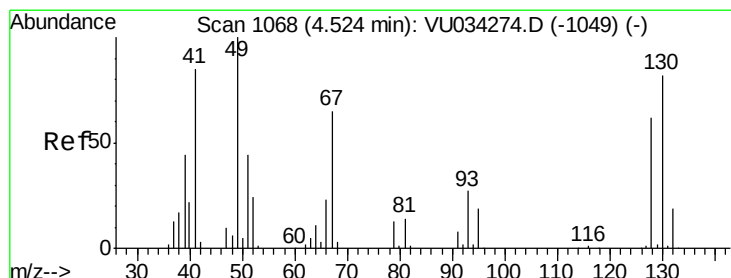
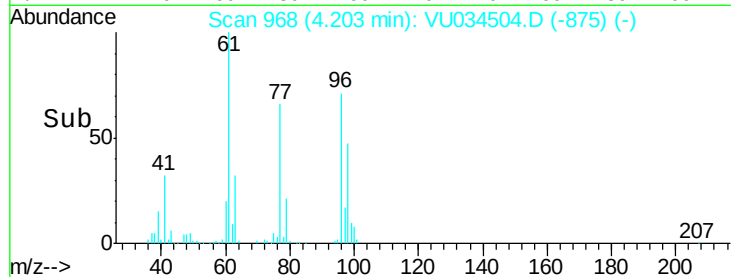
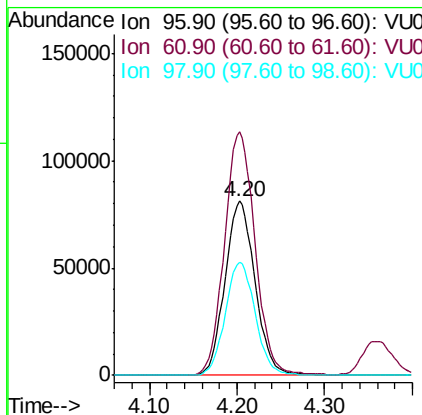
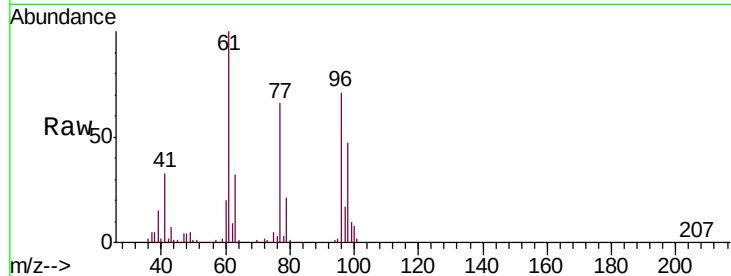
cis-1,2-Dichloroethene
Concen: 54.445 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	193723		
61	142.3	0.0	297.4	
98	65.0	0.0	130.0	

Manual Integrations
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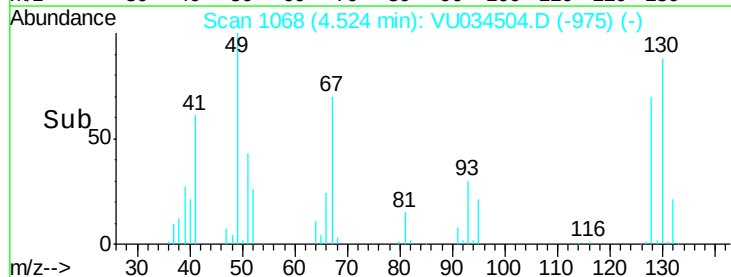
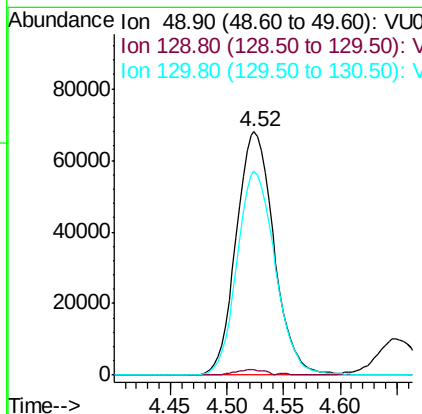
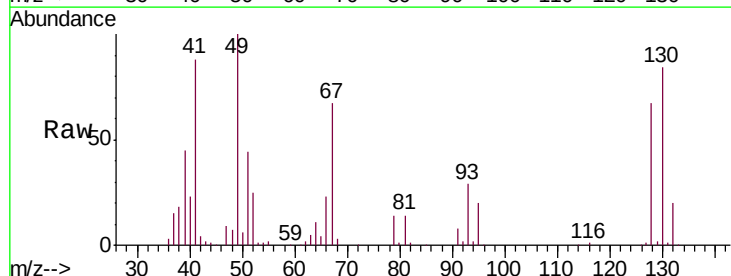
MMDadoda
9/13/2019 6:57:26 AM

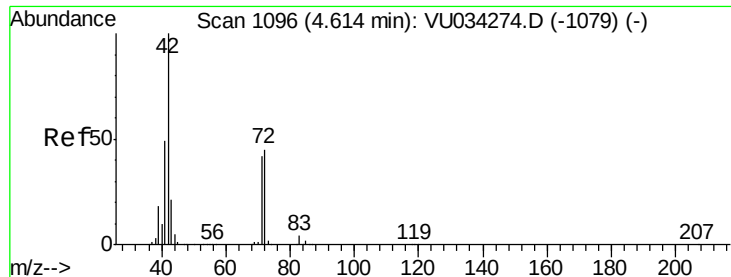


#28

Bromochloromethane
Concen: 55.528 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158094		
129	1.7	0.0	3.8	
130	84.9	65.2	97.8	





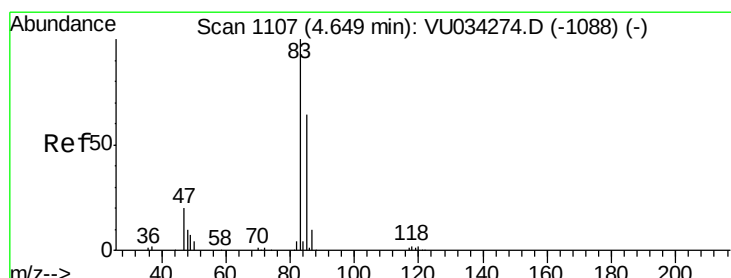
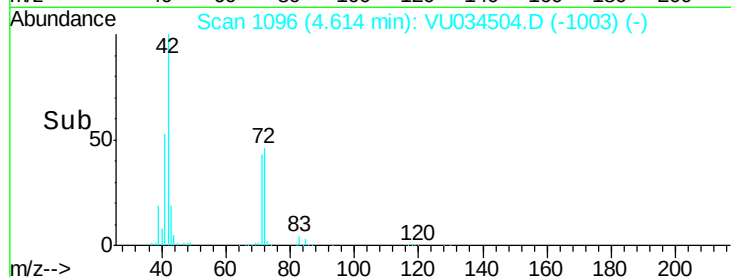
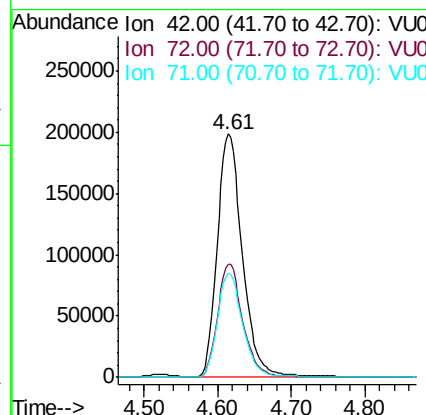
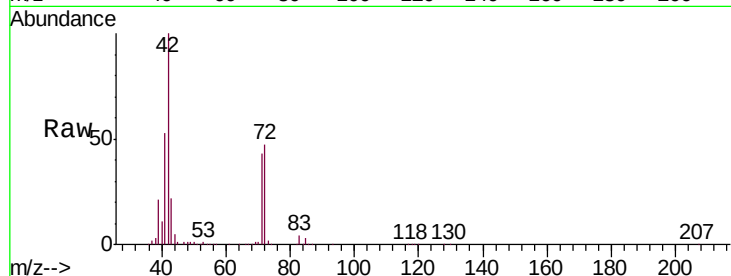
#29
Tetrahydrofuran
Concen: 287.934 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.6	54.8
71	43.0	34.3	51.5

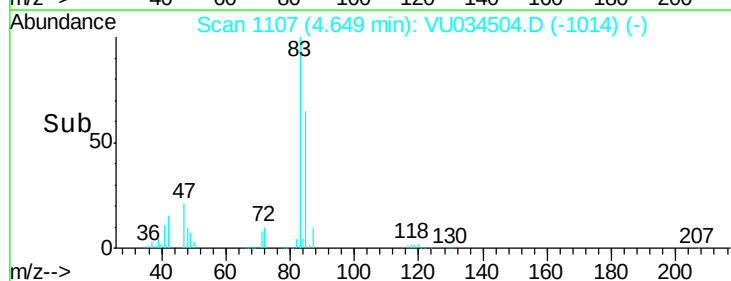
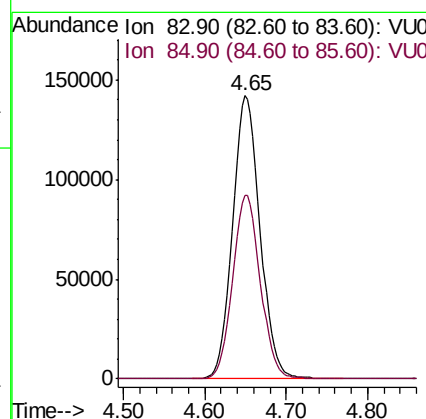
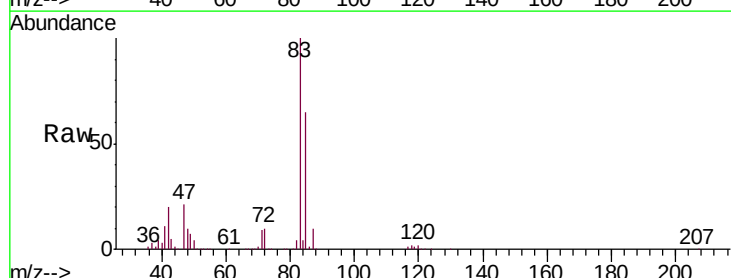
Manual Integrations
APPROVED

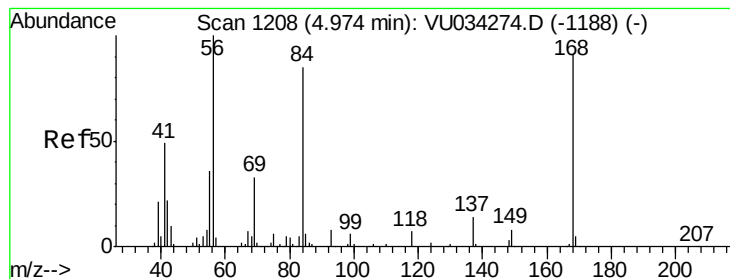
MMDadoda
9/13/2019 6:57:26 AM



#30
Chloroform
Concen: 53.337 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 48.808 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 221022

Ion Ratio Lower Upper

56 100

69 31.8 26.7 40.1

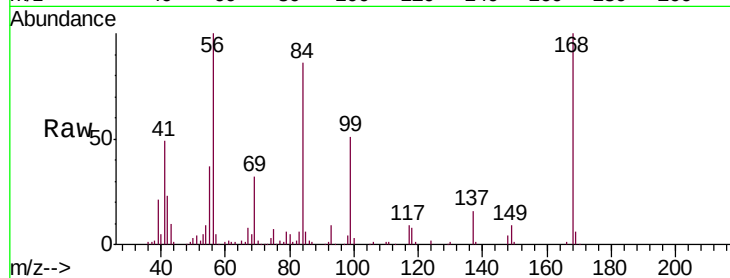
84 84.7 68.2 102.4

Manual Integrations

APPROVED

MMDadoda

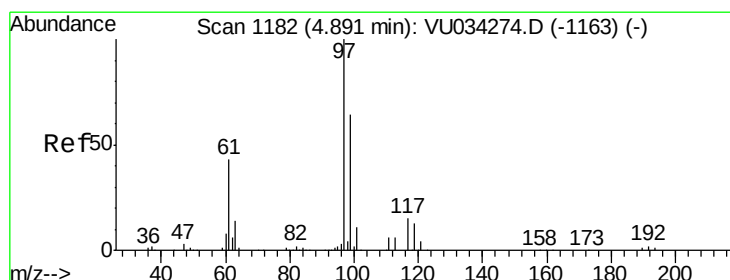
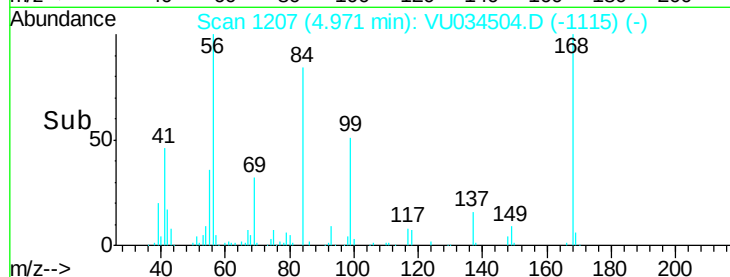
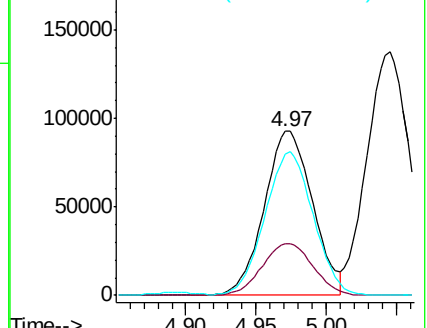
9/13/2019 6:57:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VU034504.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034504.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034504.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.354 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

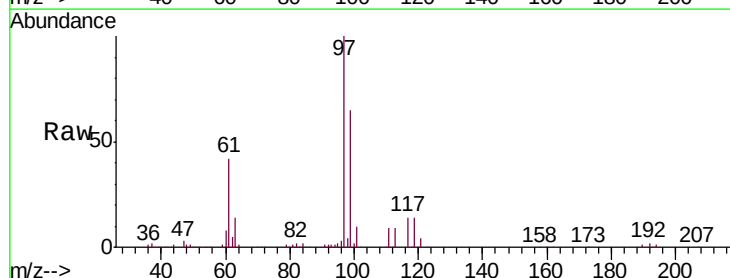
Tgt Ion: 97 Resp: 273421

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

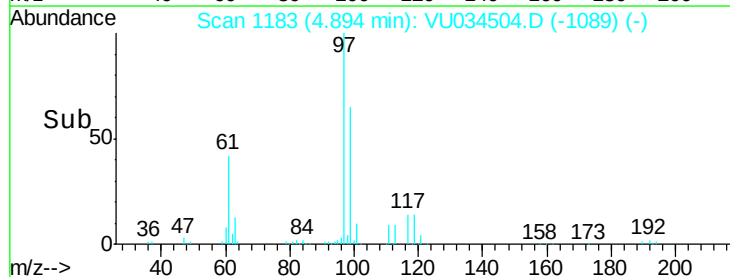
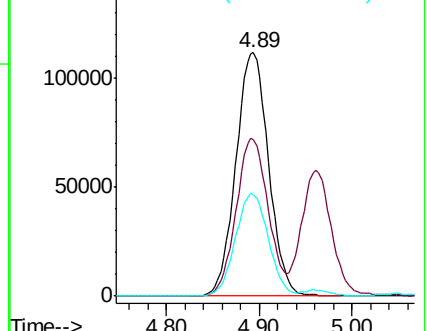
61 42.5 34.7 52.1

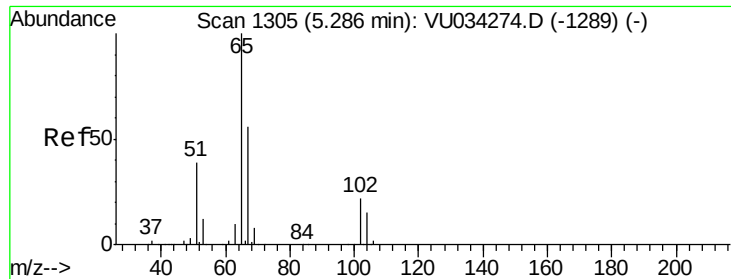


Abundance Ion 96.90 (96.60 to 97.60): VU034504.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034504.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034504.D (-1089) (-)





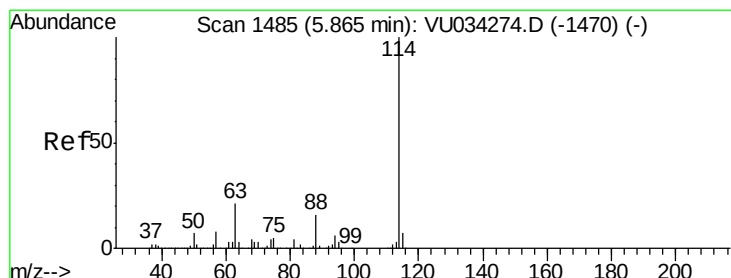
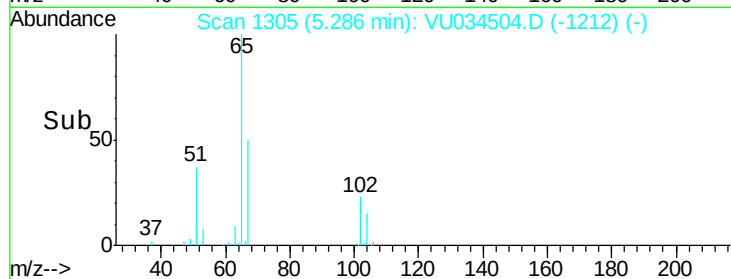
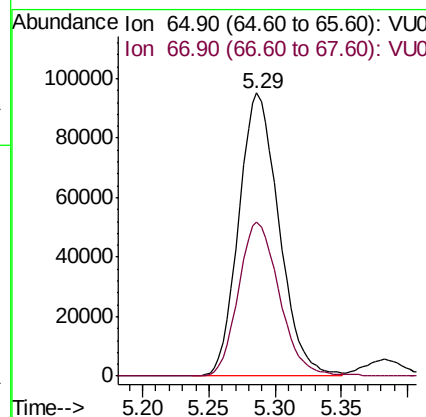
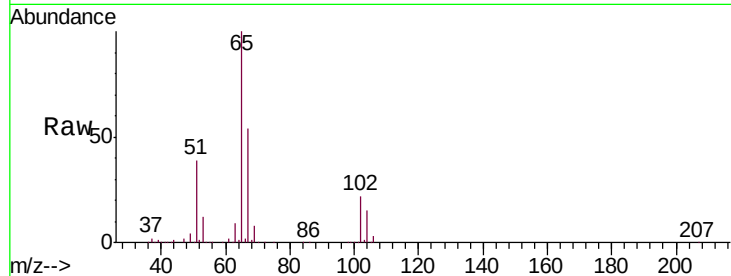
#33
 1,2-Dichloroethane-d4
 Concen: 52.013 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	112.4

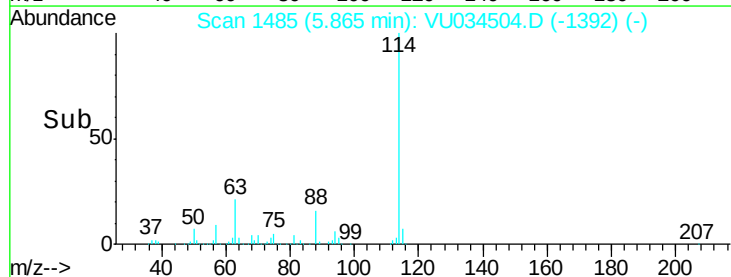
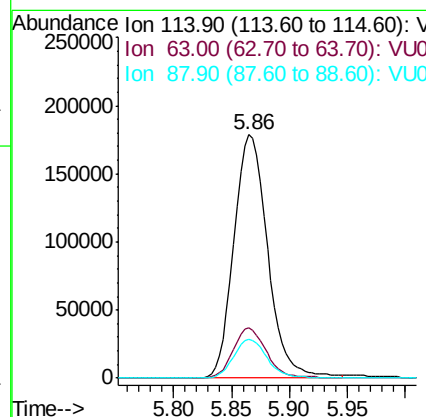
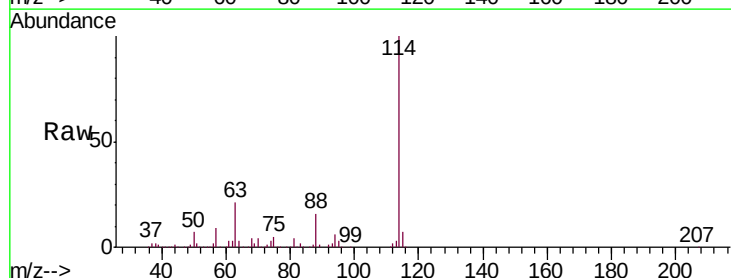
Manual Integrations
 APPROVED

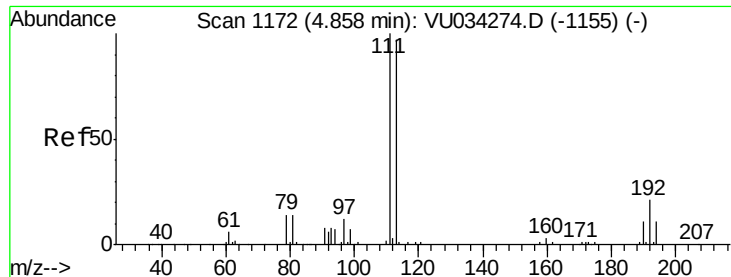
MMDadoda
 9/13/2019 6:57:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.4
88	15.9	0.0	32.4





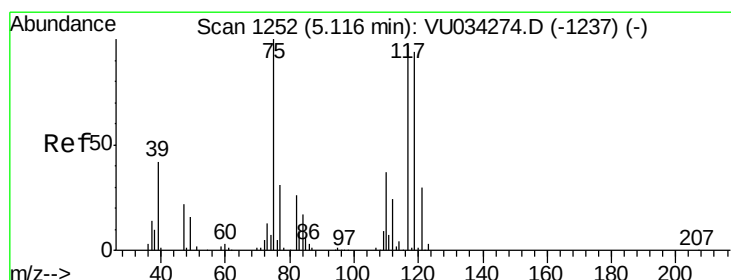
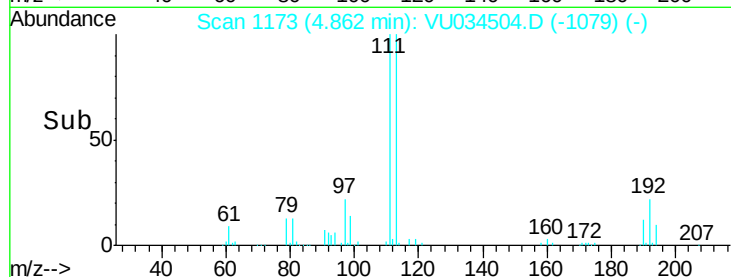
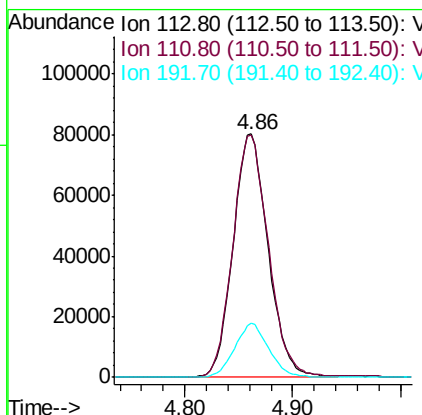
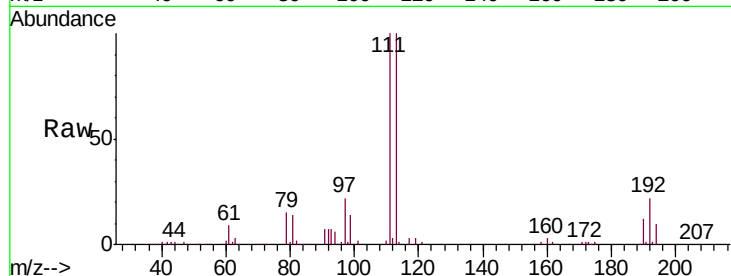
#35
 Dibromofluoromethane
 Concen: 53.860 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	181356		
111	101.6	81.5	122.3	
192	21.6	17.8	26.8	

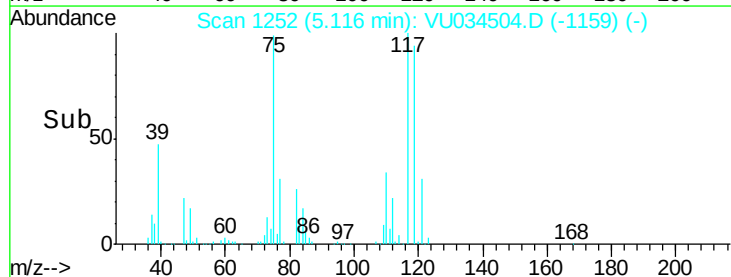
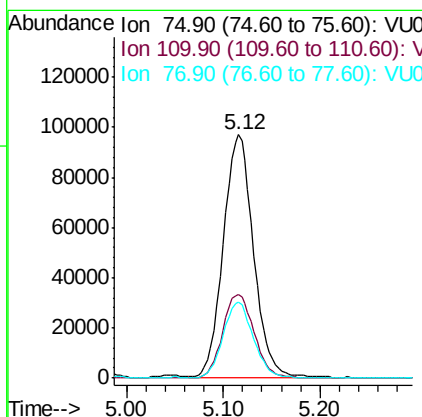
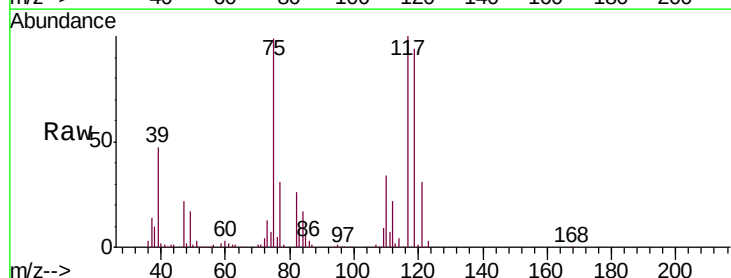
Manual Integrations
 APPROVED

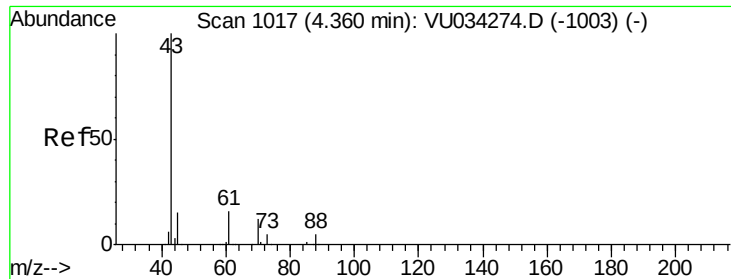
MMDadoda
 9/13/2019 6:57:26 AM



#36
 1,1-Dichloropropene
 Concen: 53.398 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209559		
110	36.4	18.3	54.9	
77	31.2	24.9	37.3	





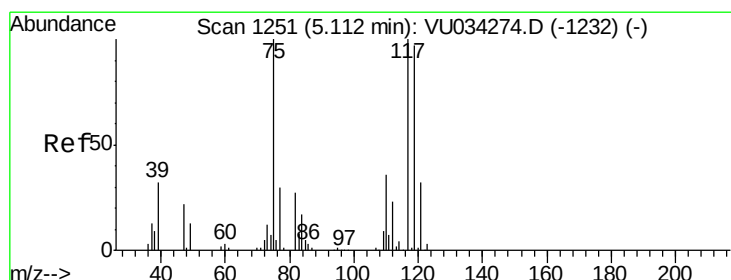
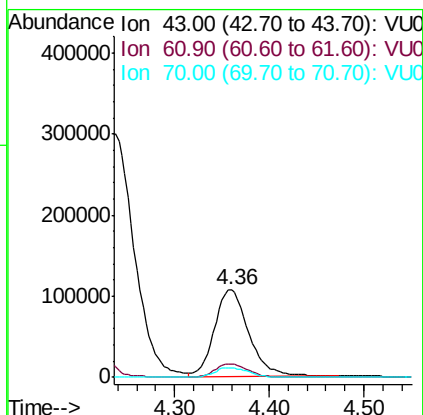
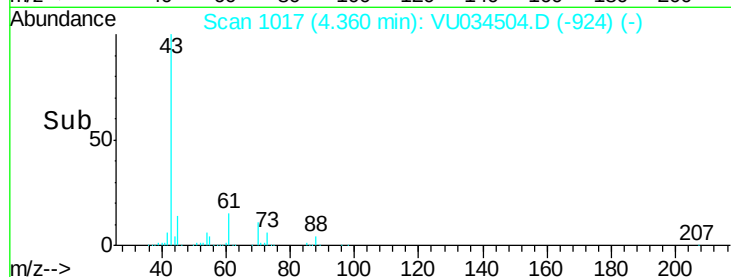
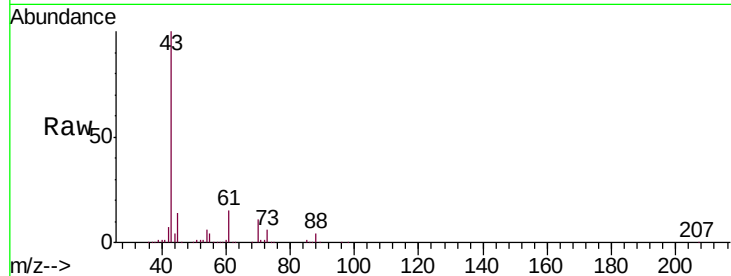
#37
Ethyl Acetate
Concen: 57.686 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.3	18.5
70	11.3	9.1	13.7

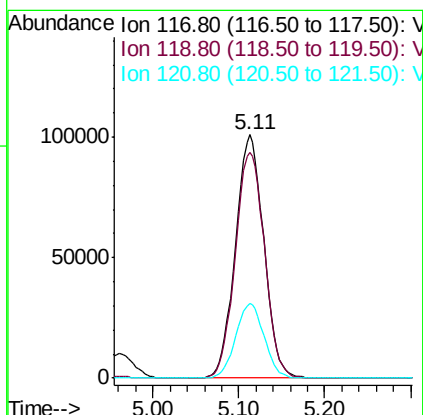
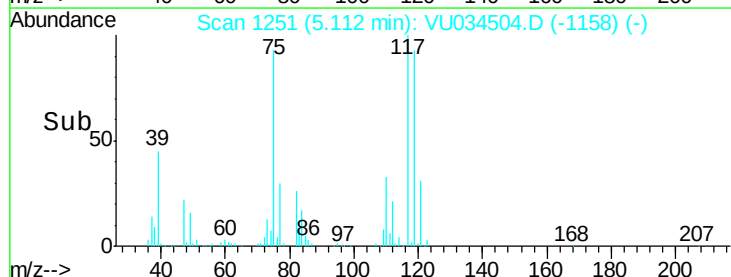
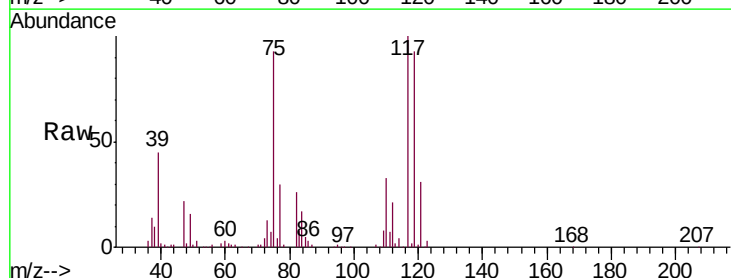
Manual Integrations
APPROVED

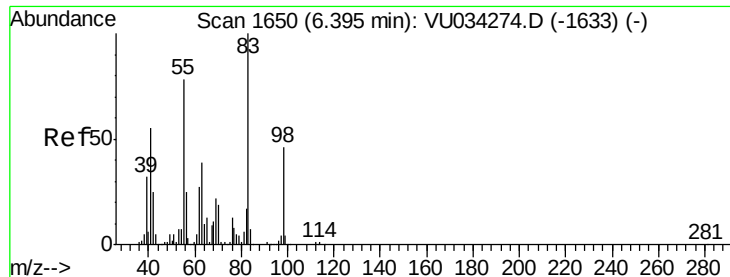
MMDadoda
9/13/2019 6:57:26 AM



#38
Carbon Tetrachloride
Concen: 54.919 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.8	116.6
121	30.8	25.2	37.8





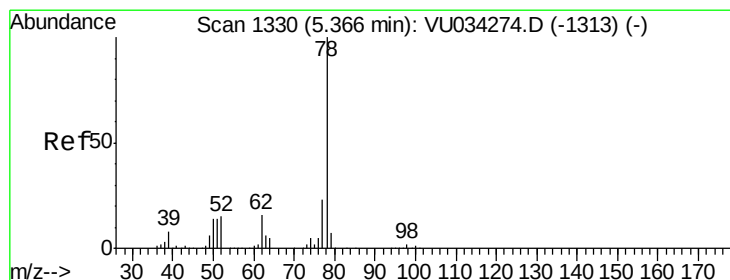
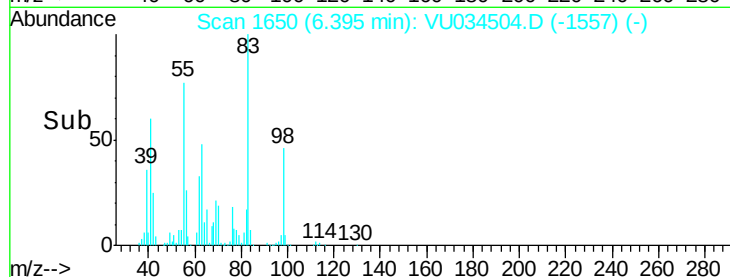
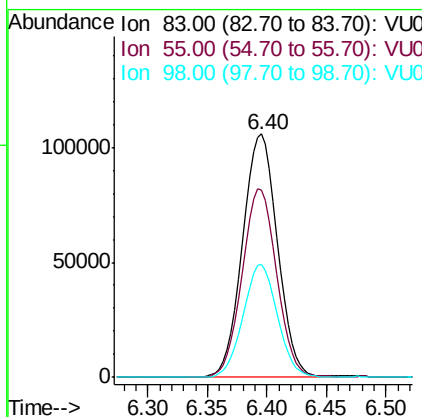
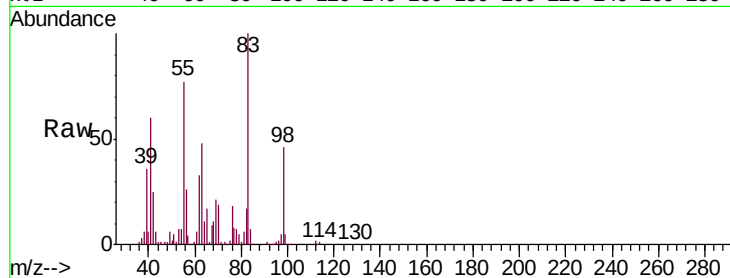
#39
Methylcyclohexane
Concen: 51.399 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	215632		
55	77.1	62.1	93.1	
98	46.2	37.0	55.6	

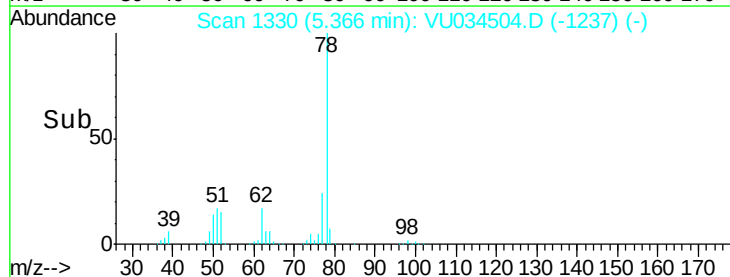
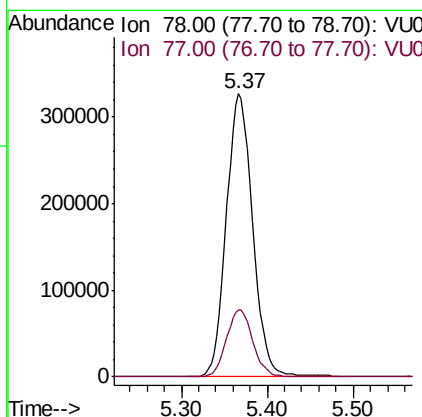
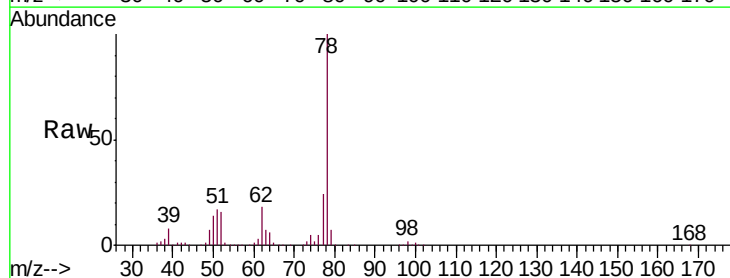
Manual Integrations
APPROVED

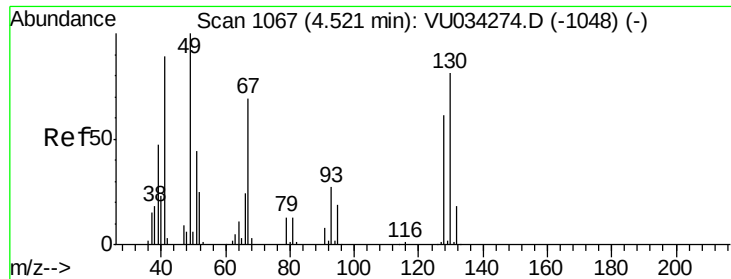
MMDadoda
9/13/2019 6:57:26 AM



#40
Benzene
Concen: 54.983 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	696266		
77	23.9	18.7	28.1	





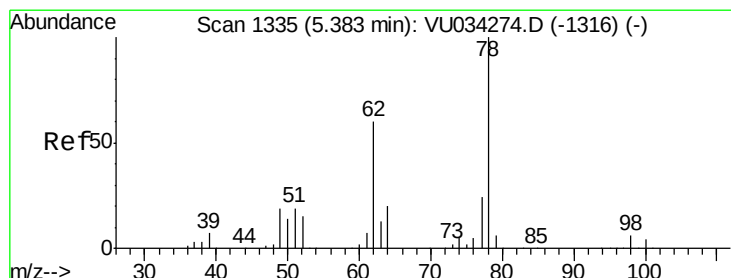
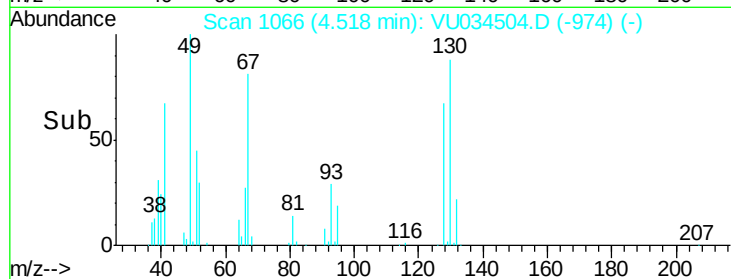
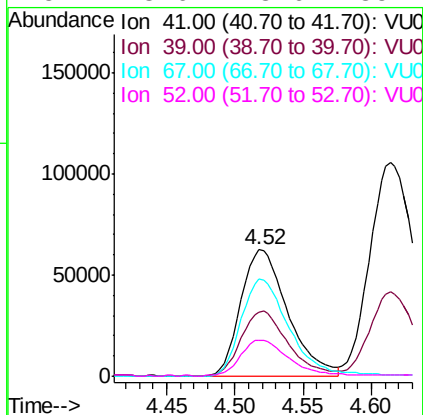
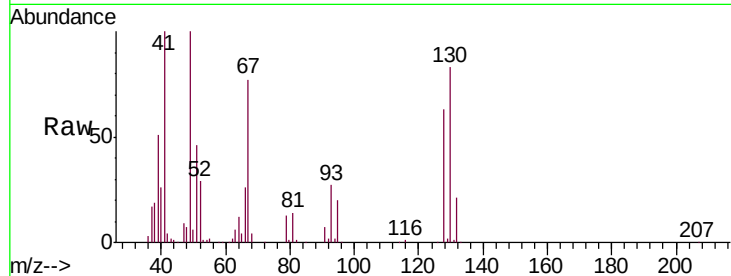
#41
Methacrylonitrile
Concen: 60.431 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.2	41.0	61.4
67	79.2	62.4	93.6
52	28.6	23.6	35.4

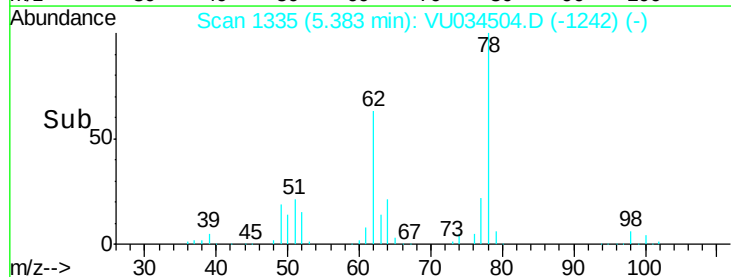
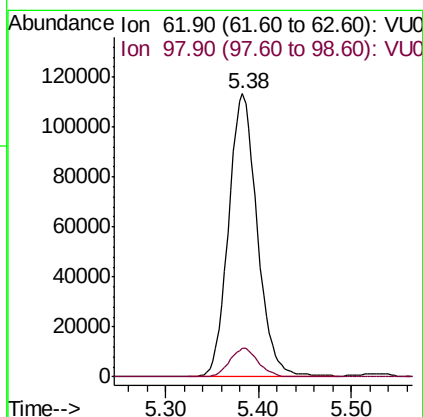
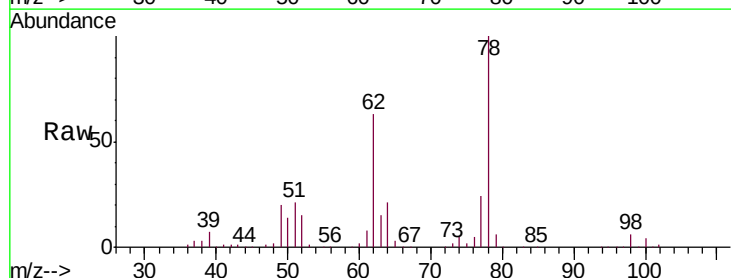
Manual Integrations
APPROVED

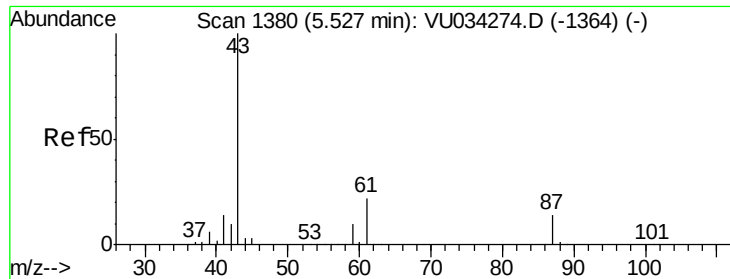
MMDadoda
9/13/2019 6:57:26 AM



#42
1,2-Dichloroethane
Concen: 55.390 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 57.372 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

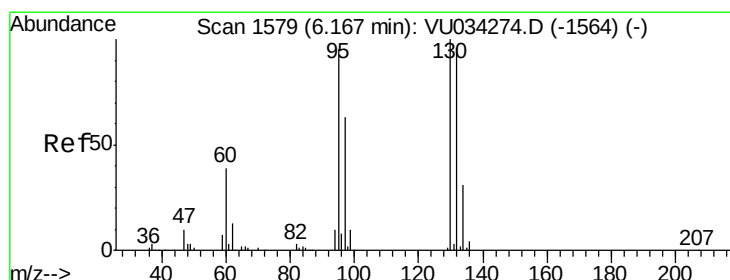
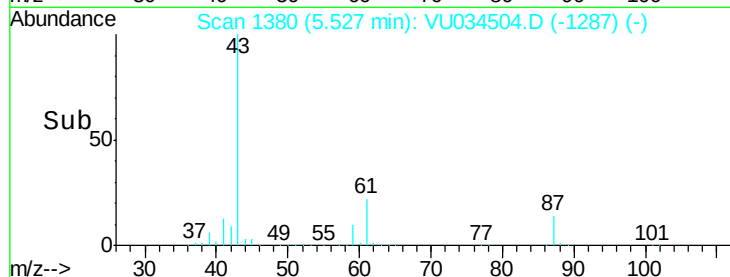
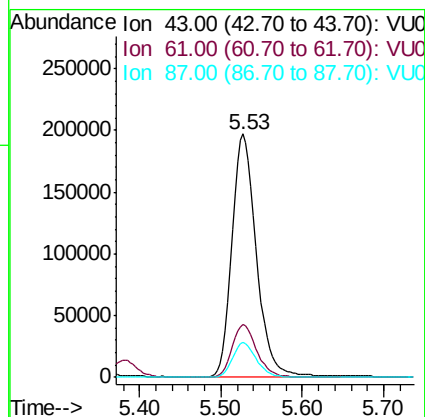
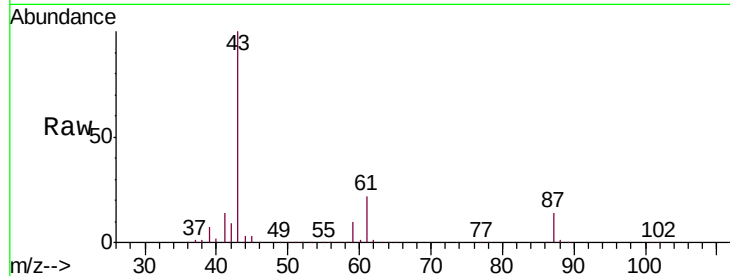
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	415279
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.1	25.7
87	14.0	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 54.999 ug/l

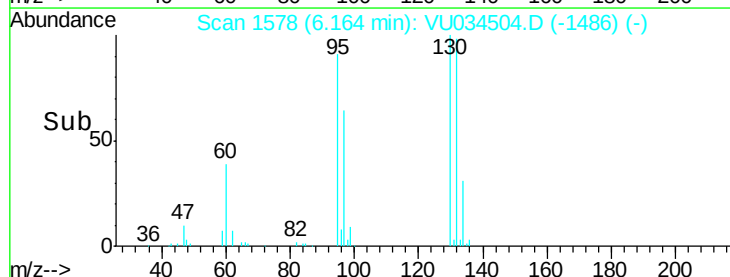
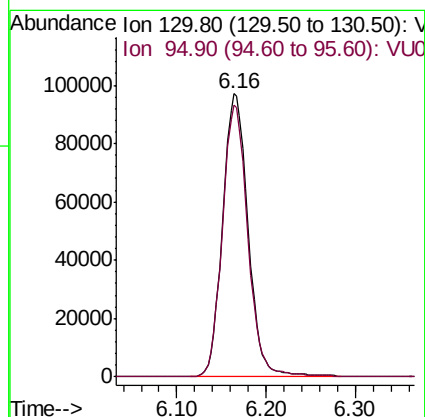
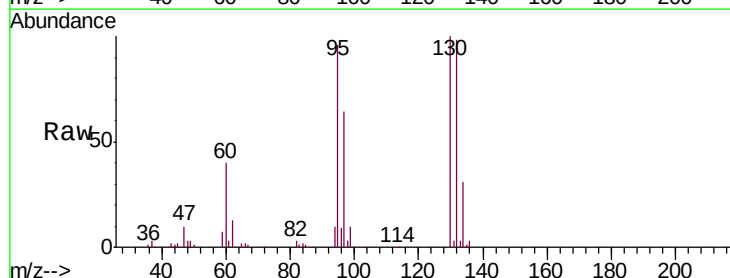
RT: 6.16 min Scan# 1578

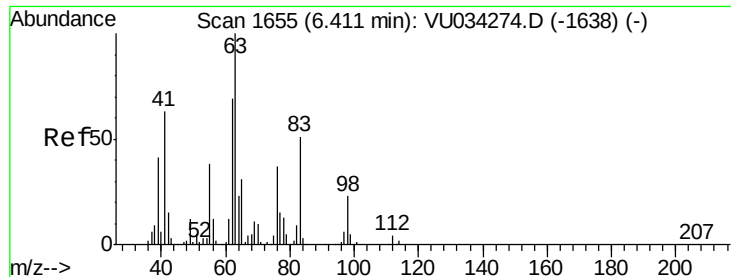
Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	130	Resp:	192728
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	189.2





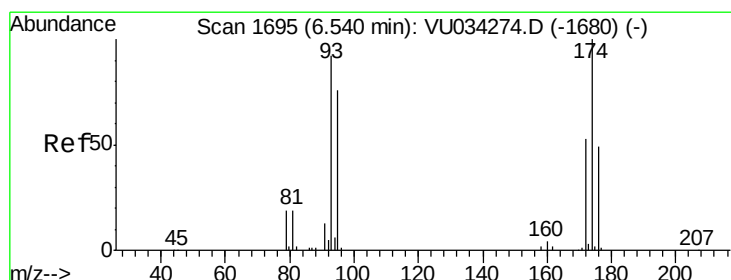
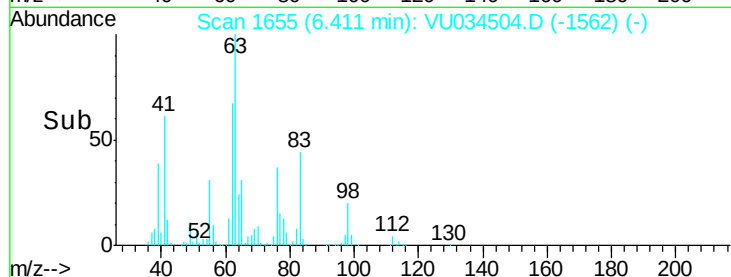
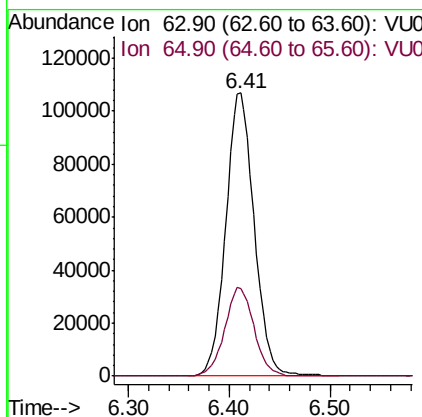
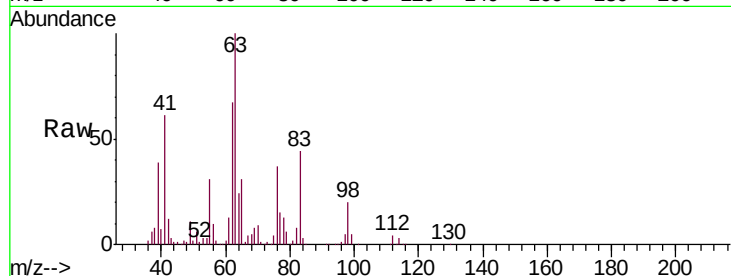
#45
 1,2-Dichloropropane
 Concen: 56.756 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 210112
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0

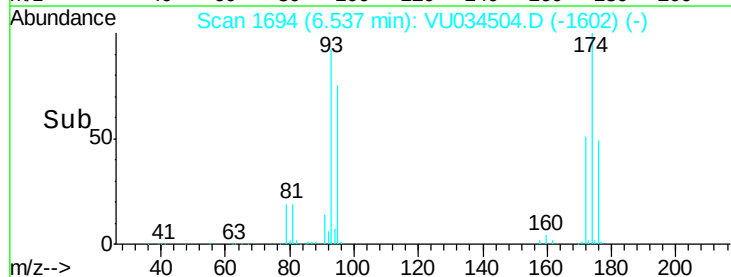
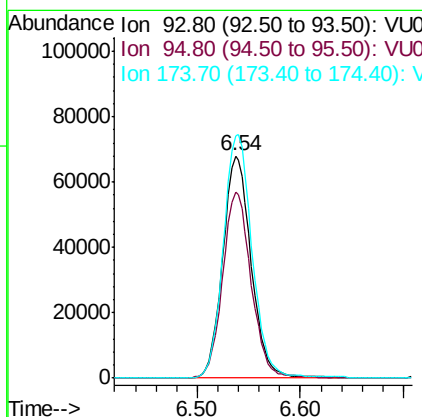
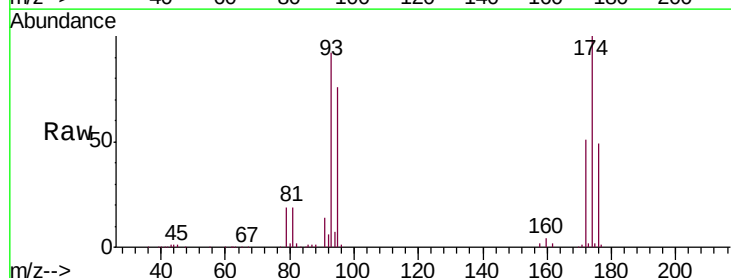
Manual Integrations
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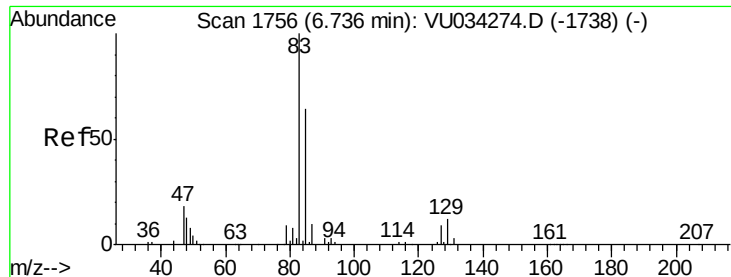
MMDadoda
 9/13/2019 6:57:26 AM



#46
 Dibromomethane
 Concen: 56.144 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 93 Resp: 130466
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 111.2 87.8 131.6





#47

Bromodichloromethane

Concen: 56.529 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

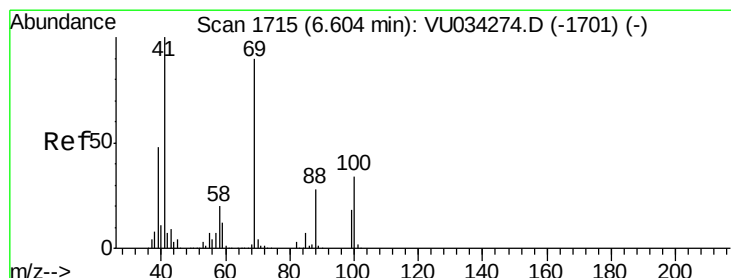
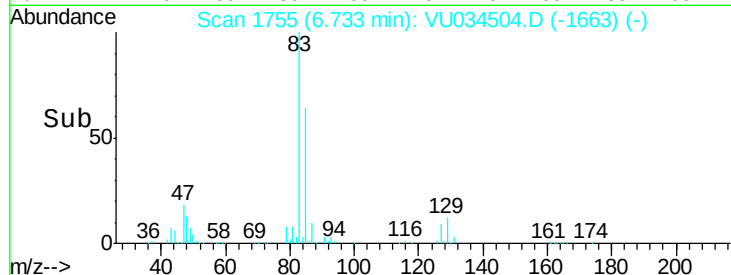
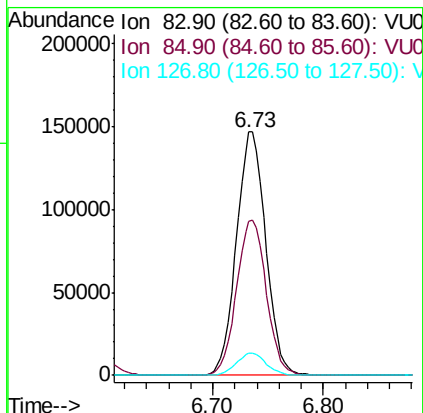
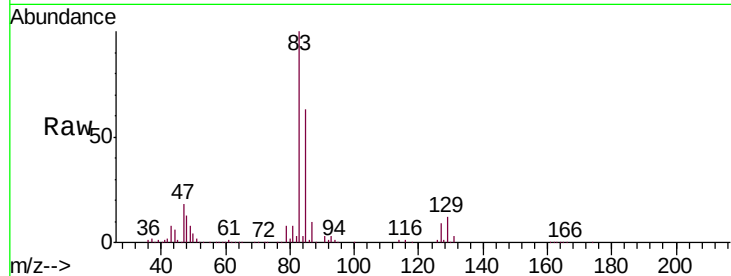
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	270394
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.1	76.7
127	9.3	7.2	10.8

Manual Integrations
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MMDadoda
9/13/2019 6:57:26 AM



#48

Methyl methacrylate

Concen: 57.733 ug/l

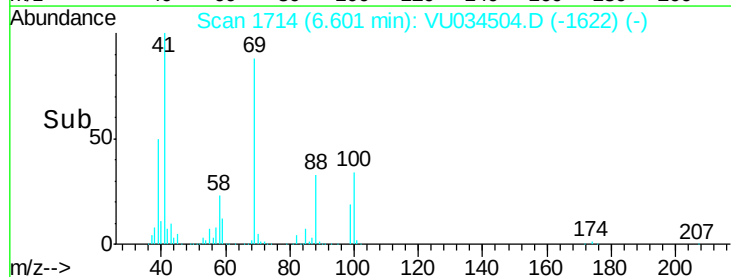
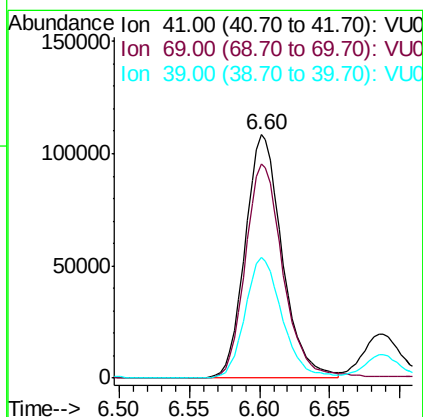
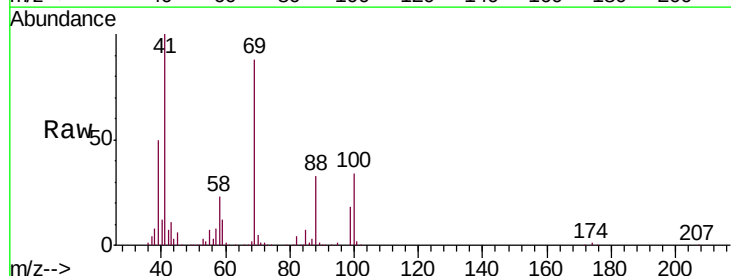
RT: 6.60 min Scan# 1714

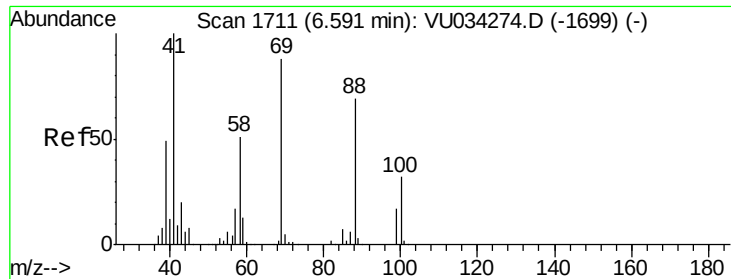
Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	41	Resp:	198481
Ion	Ratio	Lower	Upper
41	100		
69	90.4	72.8	109.2
39	49.4	38.6	58.0





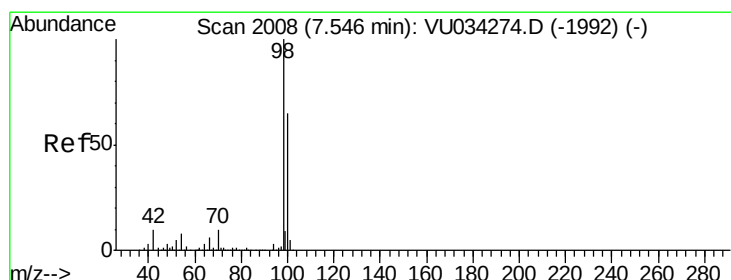
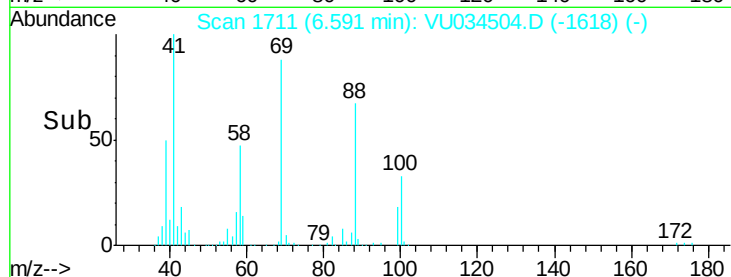
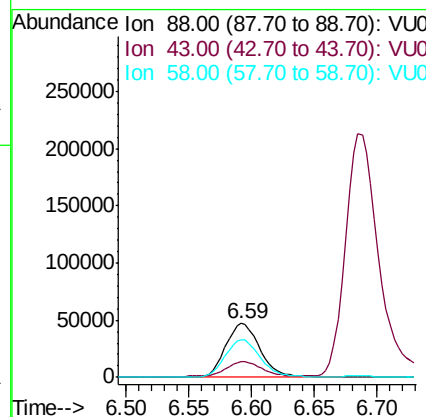
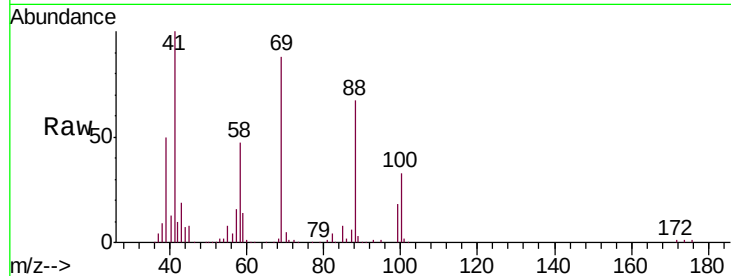
#49
1,4-Dioxane
Concen: 1187.933 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.8	35.6
58	72.2	58.4	87.6

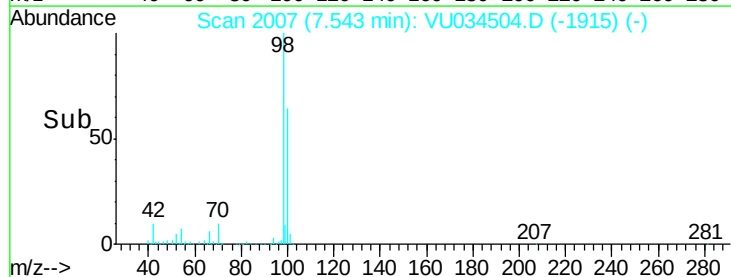
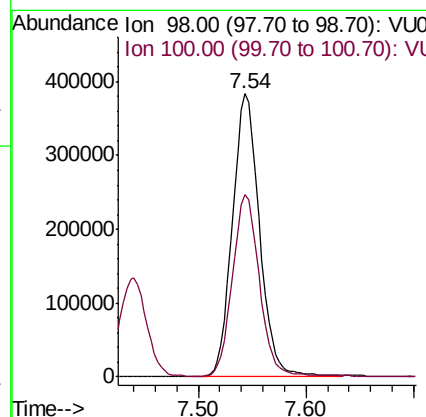
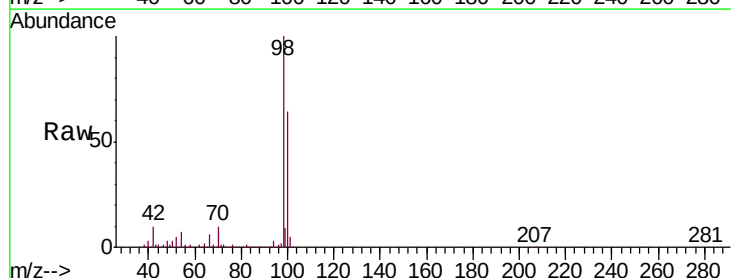
Manual Integrations
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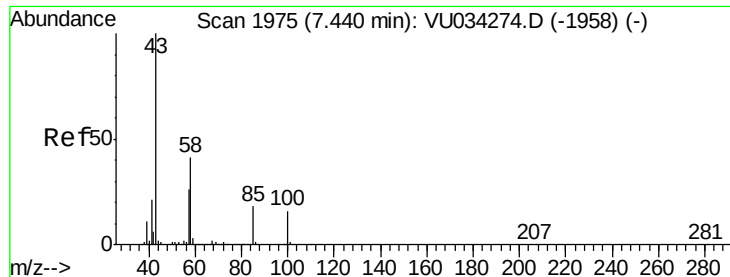
MMDadoda
9/13/2019 6:57:26 AM



#50
Toluene-d8
Concen: 53.402 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





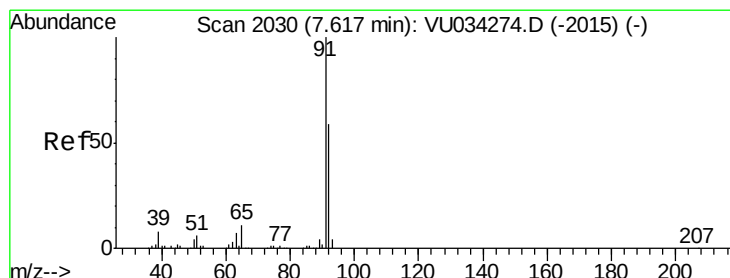
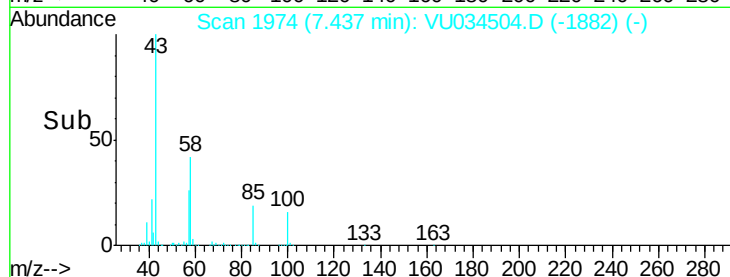
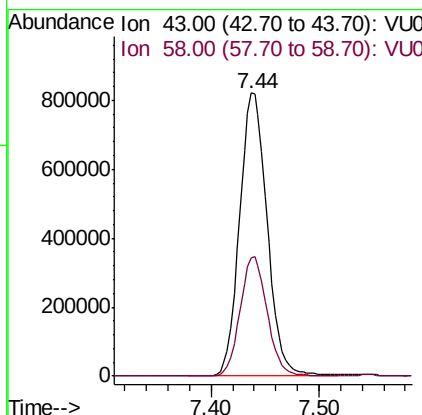
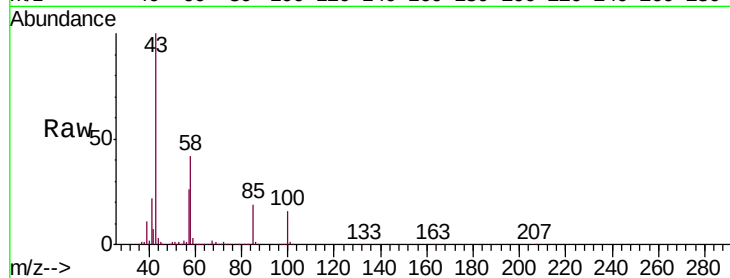
#51
 4-Methyl-2-Pentanone
 Concen: 291.665 ug/l
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1461347
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.0 49.4

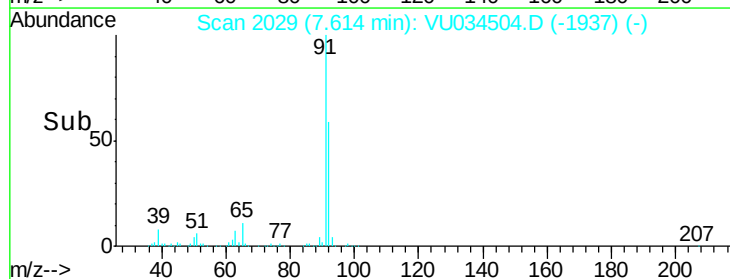
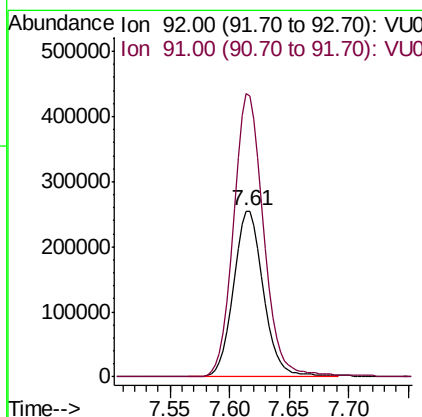
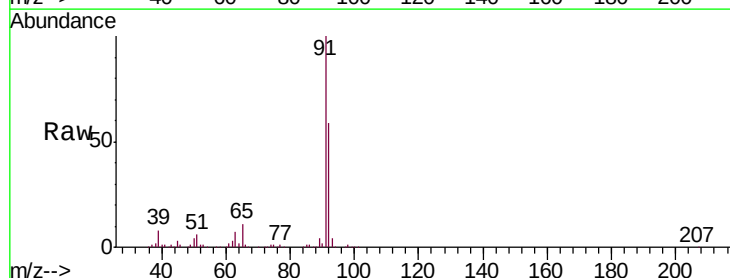
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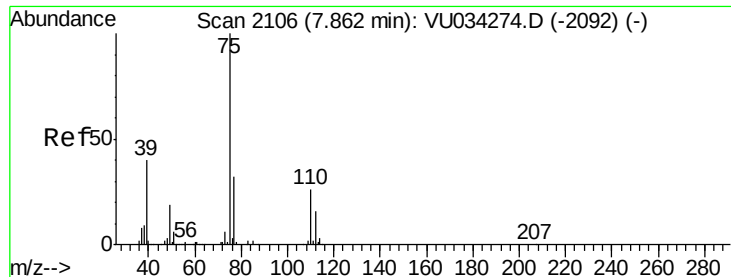
MMDadoda
 9/13/2019 6:57:26 AM



#52
 Toluene
 Concen: 55.944 ug/l
 RT: 7.61 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 92 Resp: 444408
 Ion Ratio Lower Upper
 92 100
 91 173.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 54.818 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 271812

Ion Ratio Lower Upper

75 100

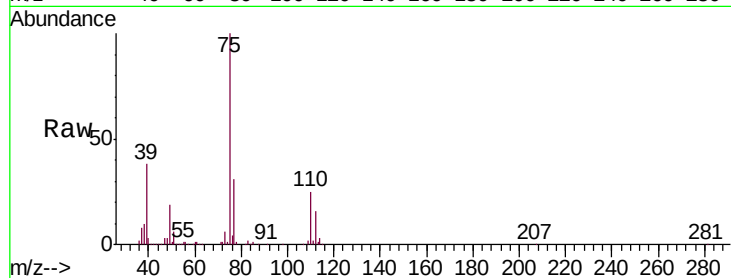
77 31.4 25.7 38.5

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU034504.D (-2013) (-)

Ion 76.90 (76.60 to 77.60): VU034504.D (-2013) (-)

7.86

150000

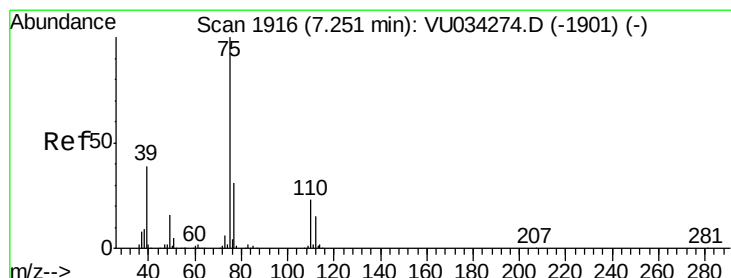
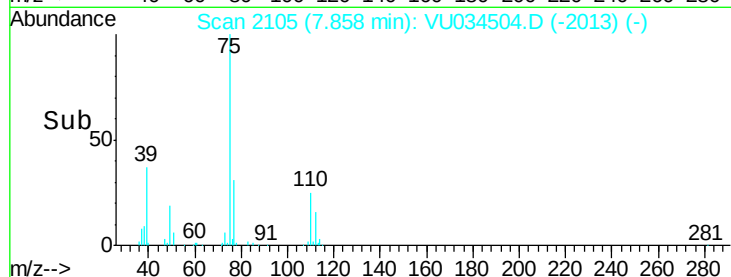
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.216 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

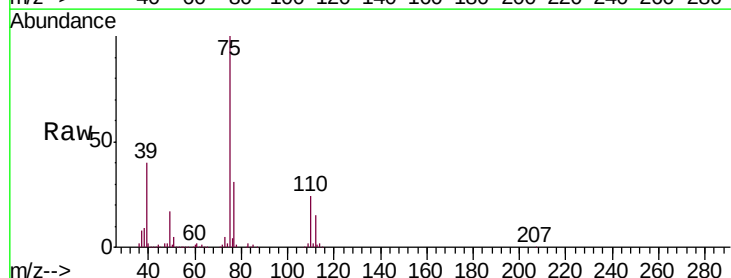
Tgt Ion: 75 Resp: 300487

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 39.6 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU034504.D (-1823) (-)

Ion 76.90 (76.60 to 77.60): VU034504.D (-1823) (-)

Ion 39.00 (38.70 to 39.70): VU034504.D (-1823) (-)

7.25

200000

150000

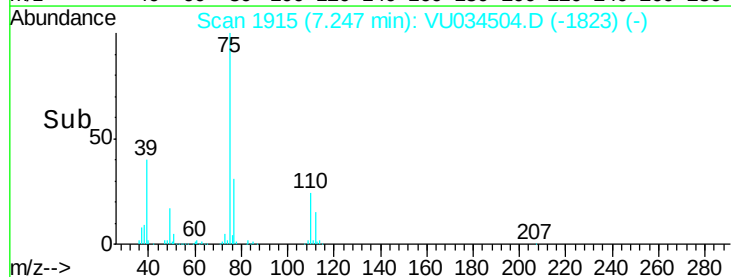
100000

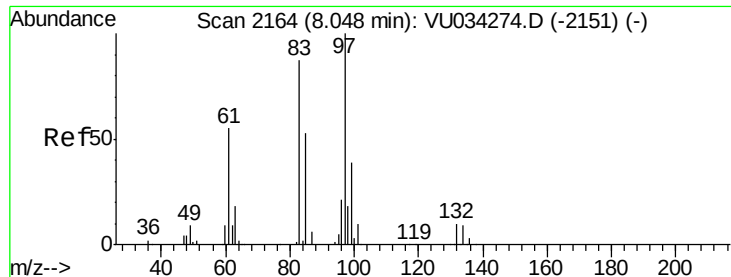
50000

0

7.20 7.30 7.40

Time-->





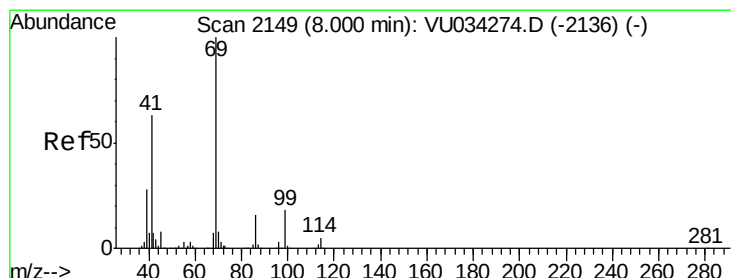
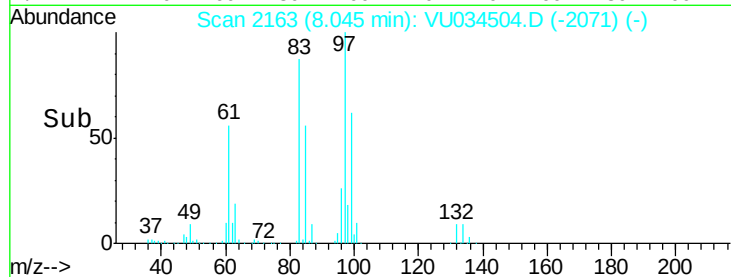
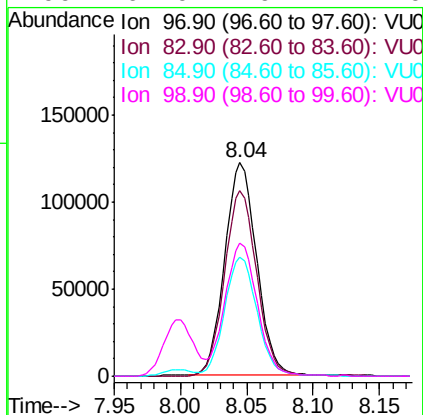
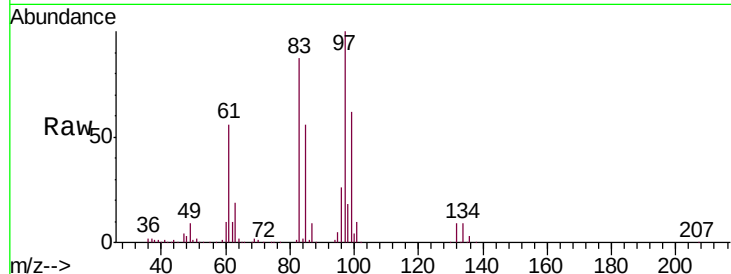
#55
 1,1,2-Trichloroethane
 Concen: 56.851 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	205065		
83	86.9	69.0	103.6	
85	55.9	44.2	66.2	
99	62.0	49.4	74.0	

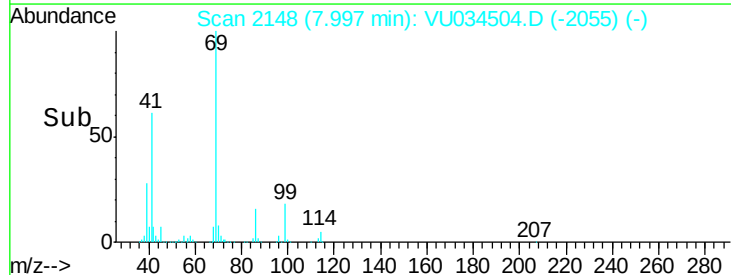
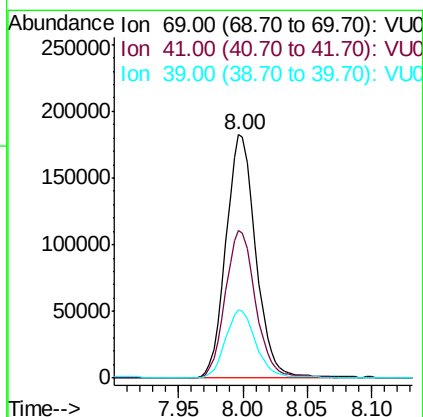
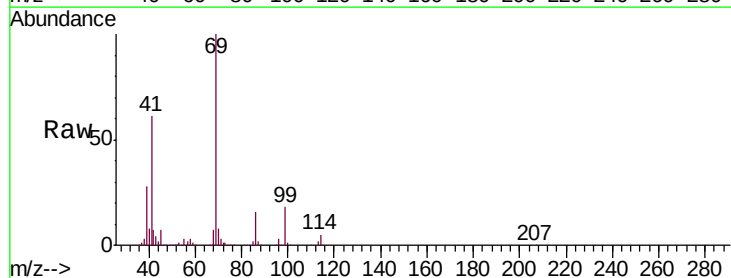
Manual Integrations
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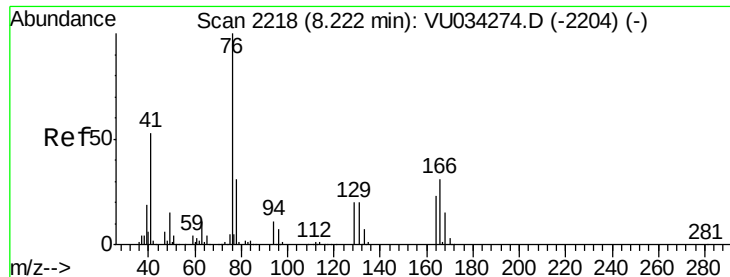
MMDadoda
 9/13/2019 6:57:26 AM



#56
 Ethyl methacrylate
 Concen: 53.366 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	293666		
41	62.0	49.5	74.3	
39	28.3	22.5	33.7	





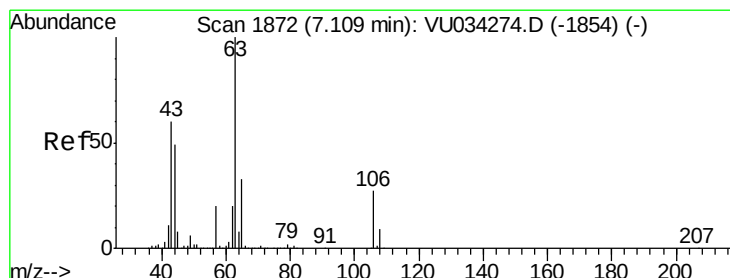
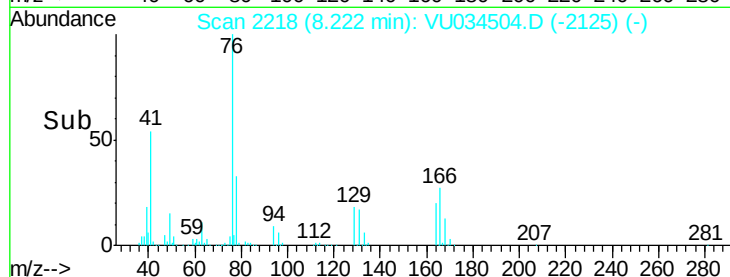
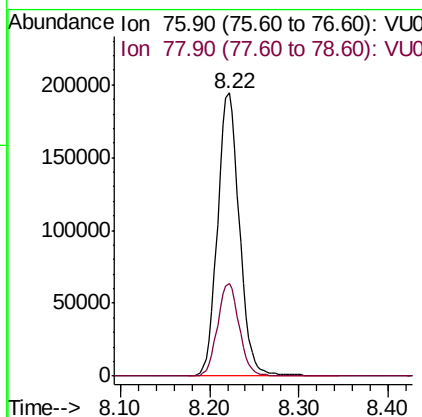
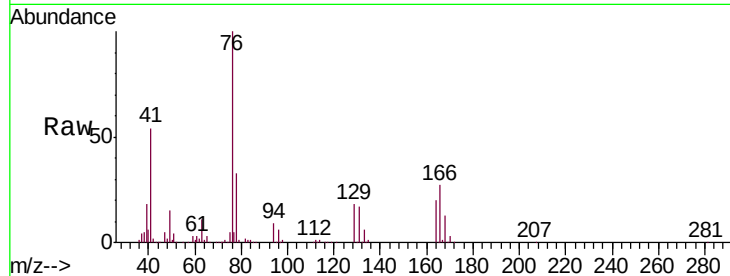
#57
 1,3-Dichloropropane
 Concen: 56.308 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 330727
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.2

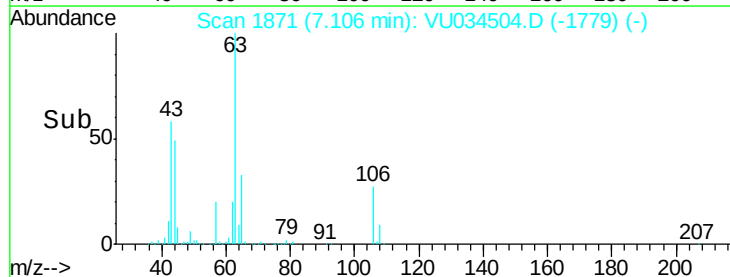
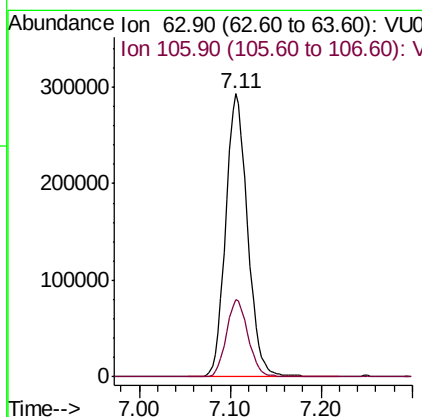
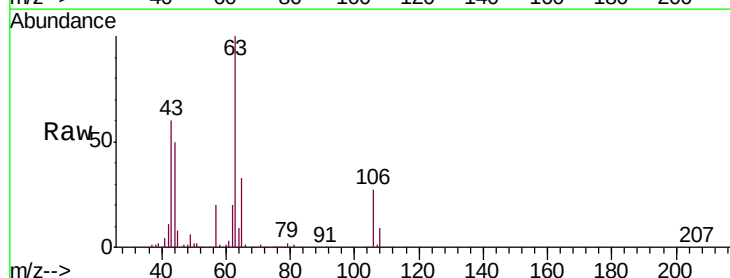
Manual Integrations
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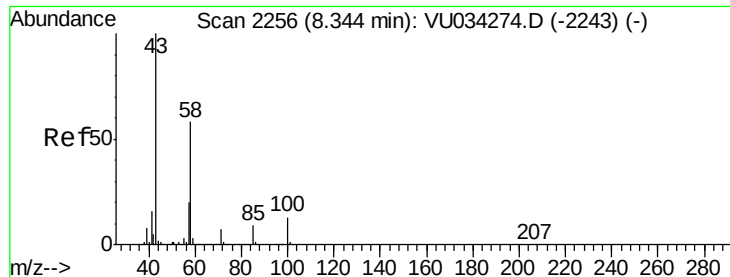
MMDadoda
 9/13/2019 6:57:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.529 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion: 63 Resp: 490384
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4





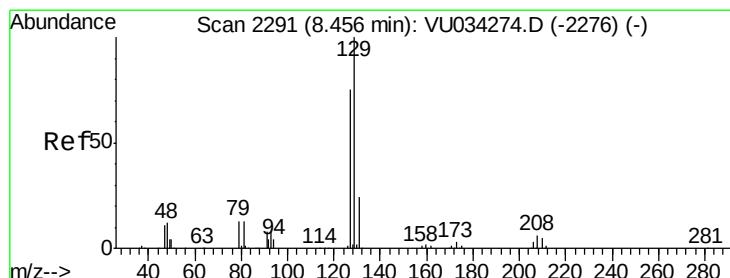
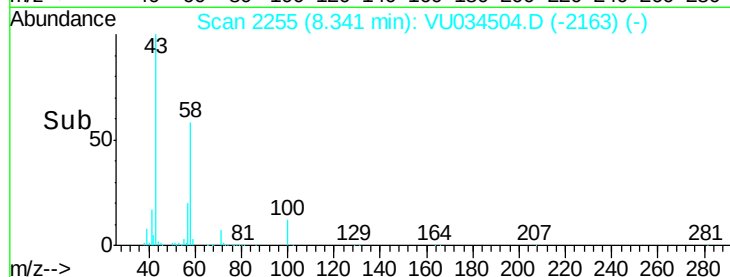
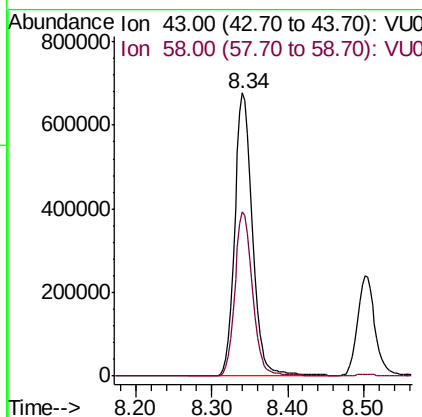
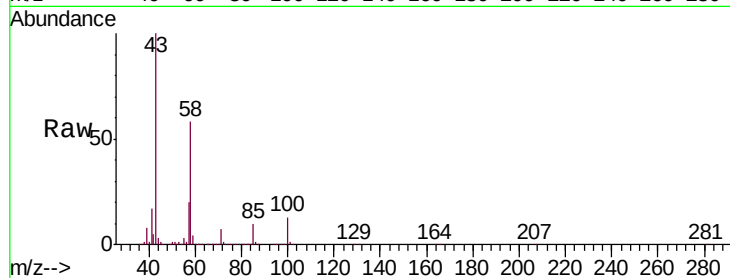
#59
2-Hexanone
Concen: 293.496 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1098556
Ion Ratio Lower Upper
43 100
58 58.3 28.8 86.5

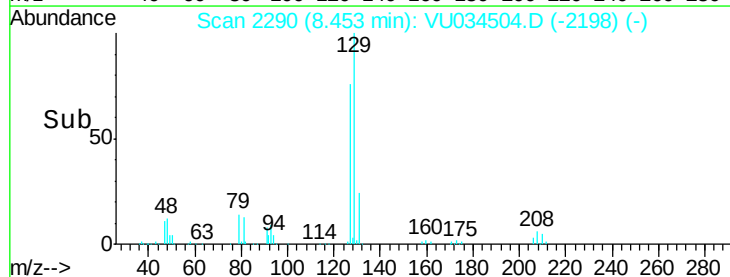
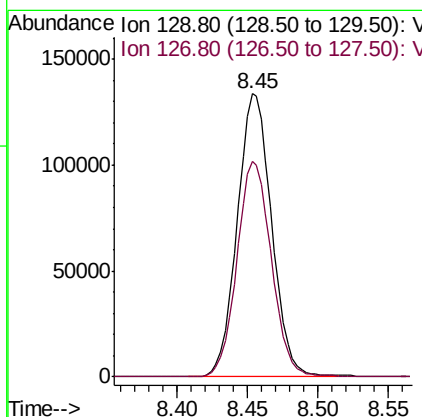
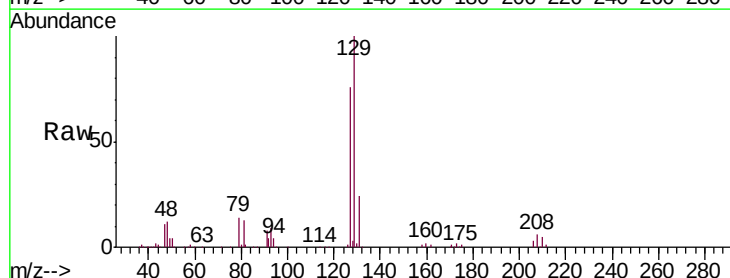
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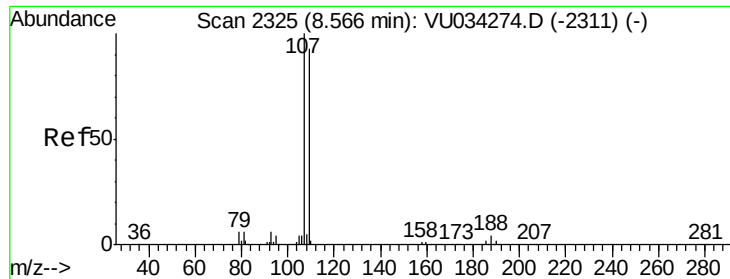
MMDadoda
9/13/2019 6:57:26 AM



#60
Dibromochloromethane
Concen: 59.149 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 129 Resp: 228841
Ion Ratio Lower Upper
129 100
127 76.1 37.9 113.7





#61

1,2-Dibromoethane

Concen: 57.407 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 202676

Ion Ratio Lower Upper

107 100

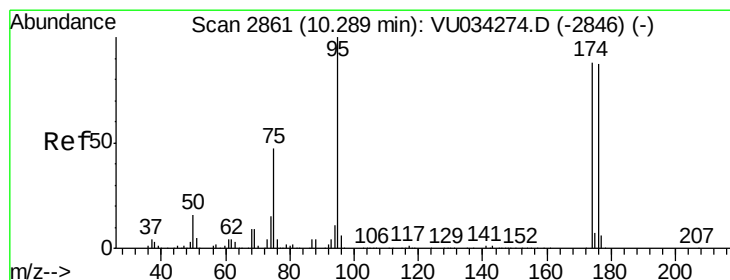
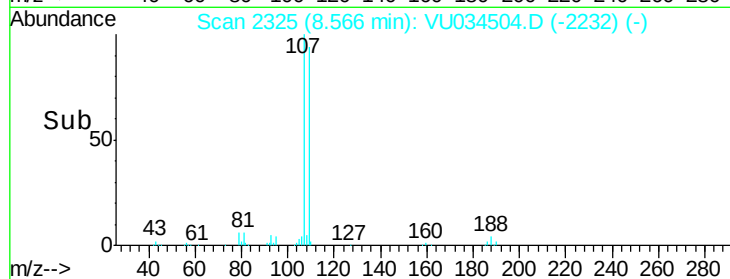
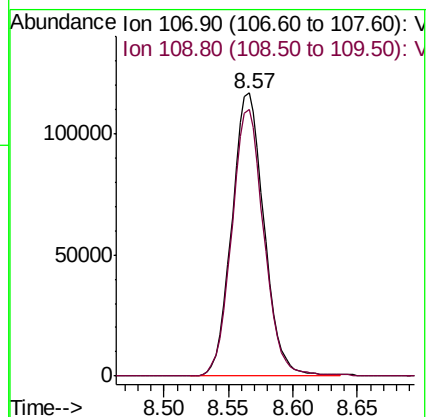
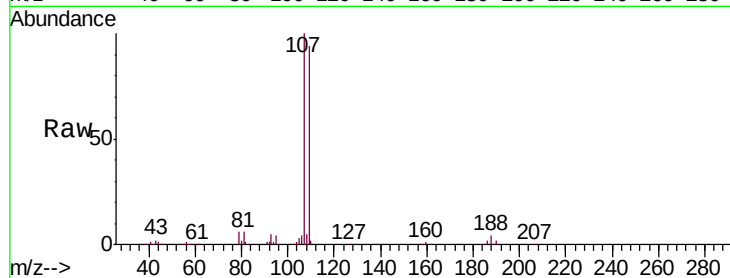
109 94.4 75.0 112.6

Manual Integrations

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9/13/2019 6:57:26 AM



#62

4-Bromofluorobenzene

Concen: 52.667 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

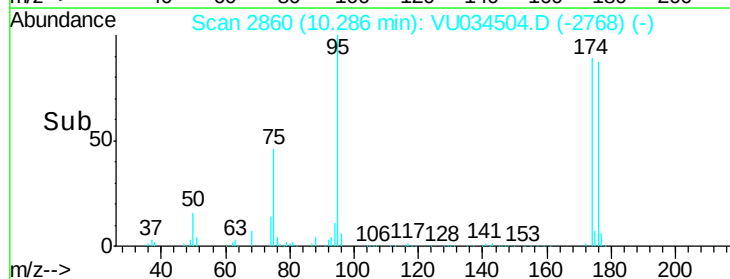
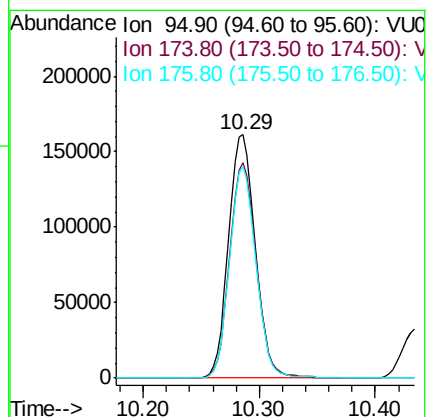
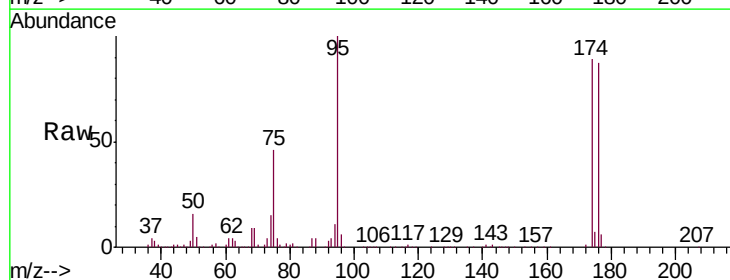
Tgt Ion: 95 Resp: 257241

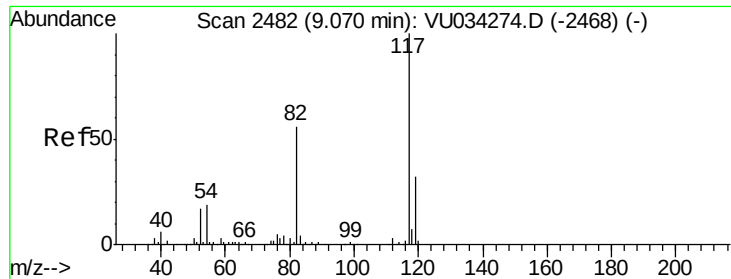
Ion Ratio Lower Upper

95 100

174 88.0 0.0 175.2

176 85.2 0.0 168.0





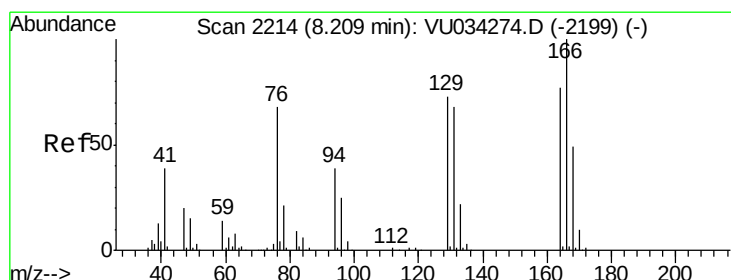
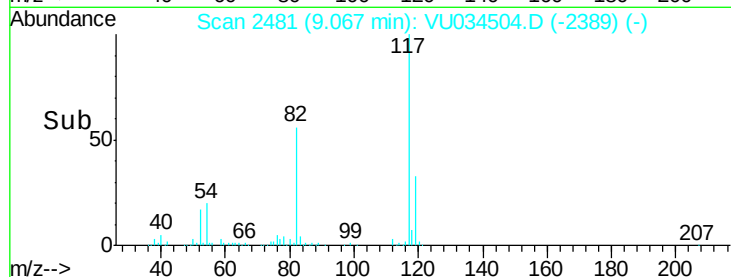
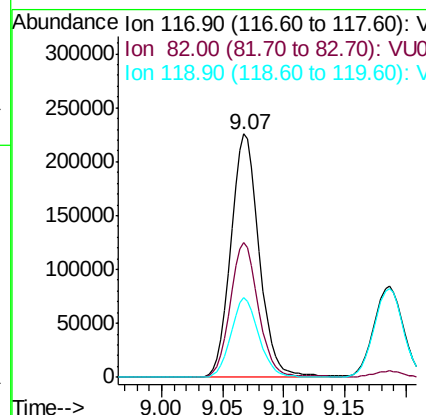
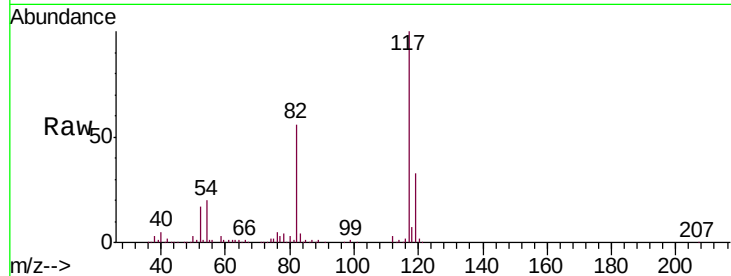
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	367196		
82	55.6	44.6	67.0	
119	32.6	25.9	38.9	

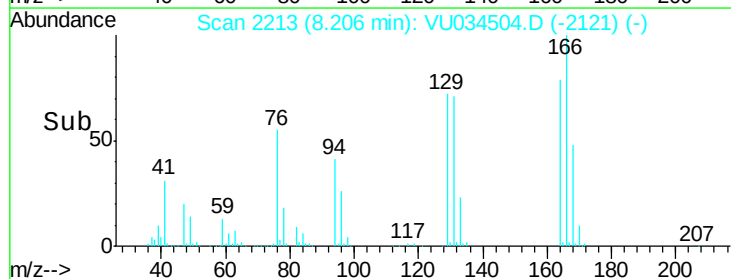
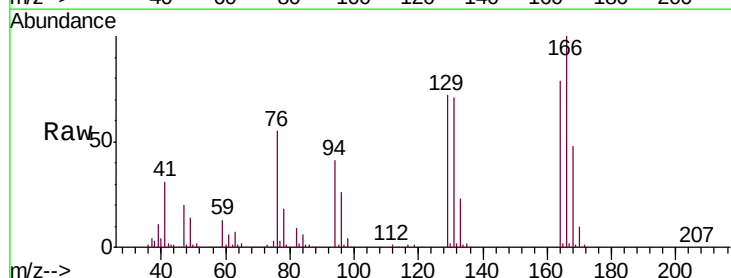
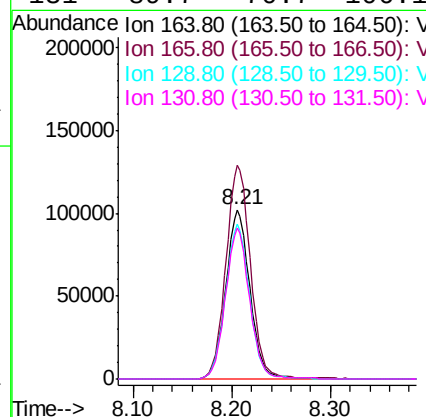
Manual Integrations
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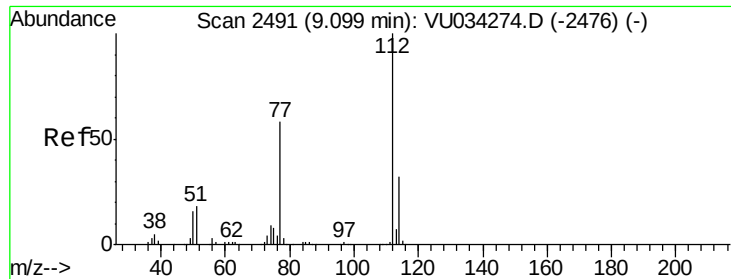
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9/13/2019 6:57:26 AM



#64
Tetrachloroethene
Concen: 55.209 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175876		
166	126.3	103.7	155.5	
129	91.4	75.8	113.8	
131	89.7	70.7	106.1	





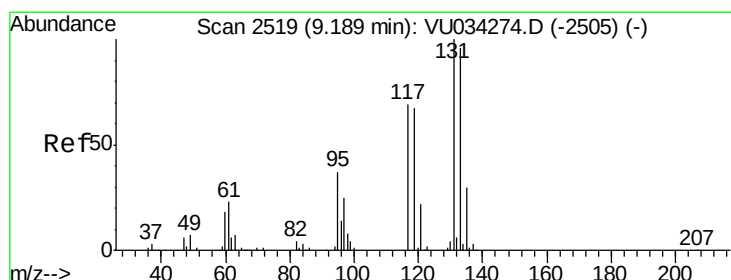
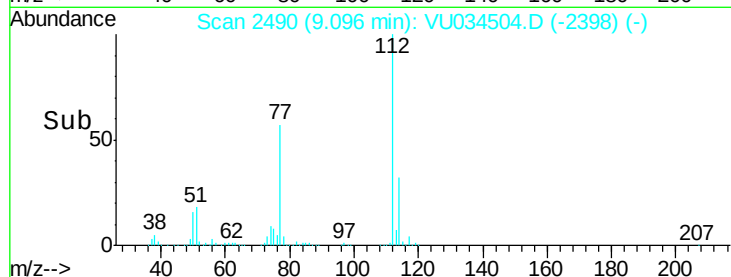
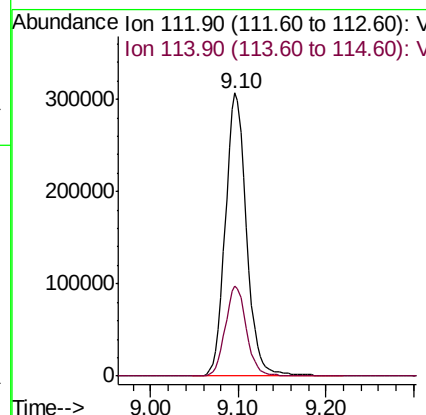
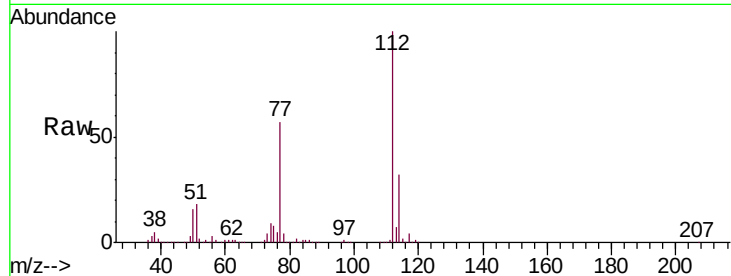
#65
Chlorobenzene
Concen: 55.381 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	515924		
114	32.1	25.9	38.9	

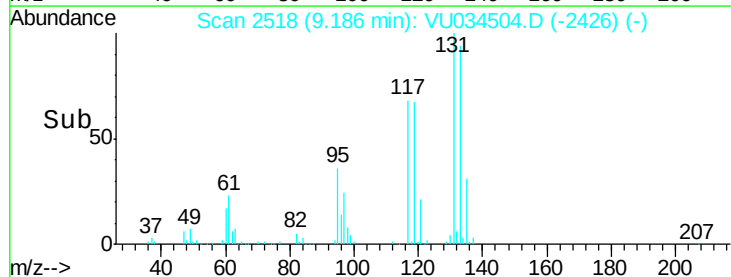
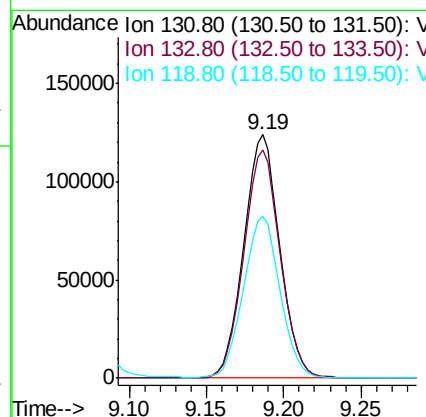
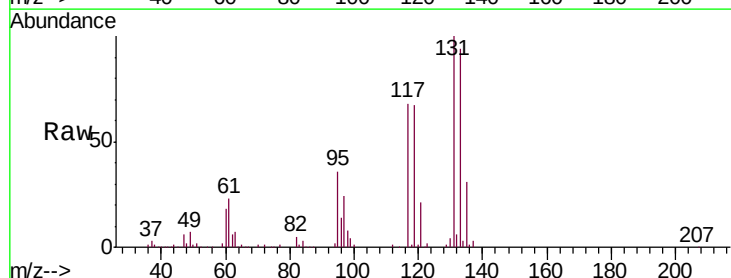
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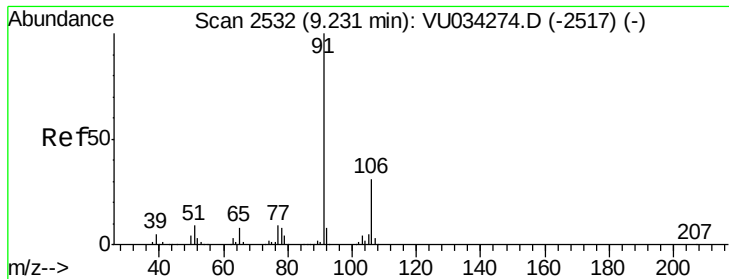
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.273 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	200067		
133	94.9	47.9	143.7	
119	67.7	33.1	99.5	





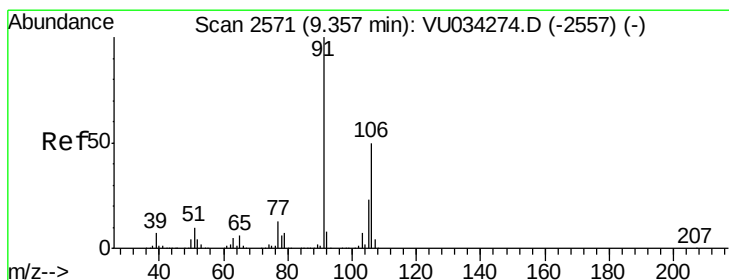
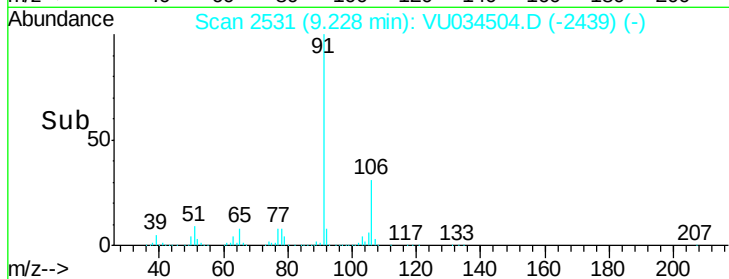
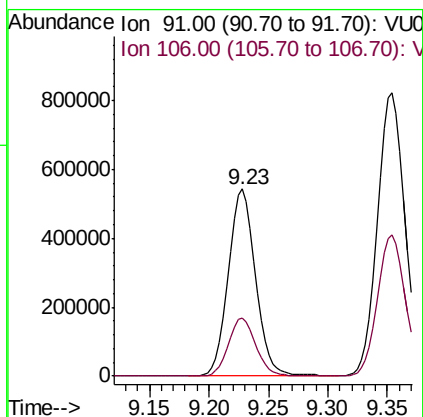
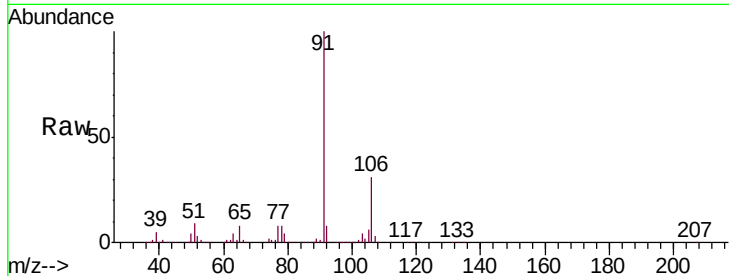
#67
Ethyl Benzene
Concen: 56.774 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 864781
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

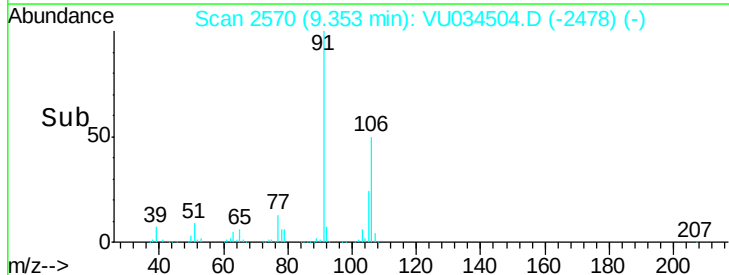
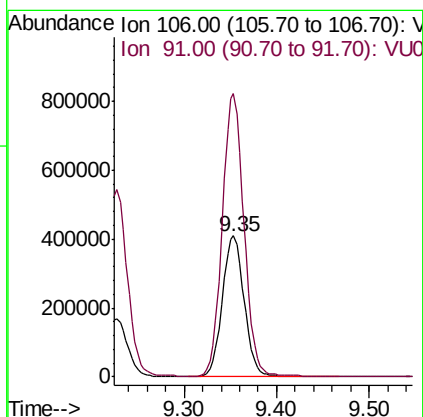
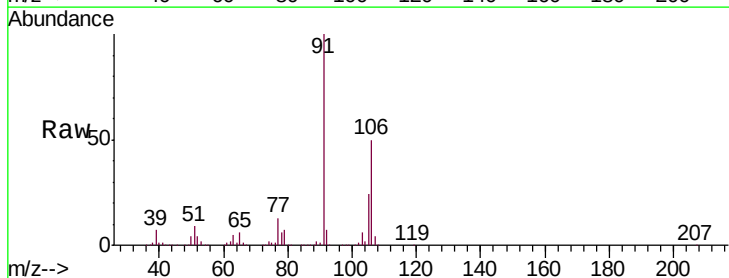
Manual Integrations
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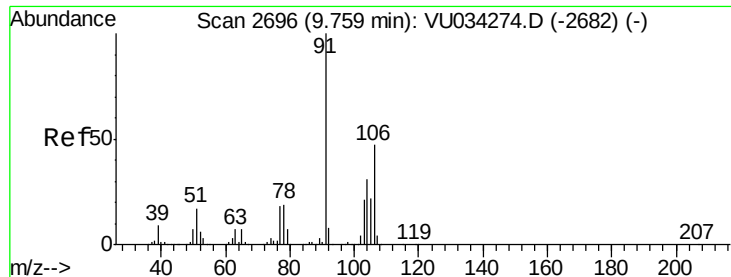
MMDadoda
9/13/2019 6:57:26 AM



#68
m/p-Xylenes
Concen: 117.126 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 106 Resp: 671809
Ion Ratio Lower Upper
106 100
91 198.8 160.1 240.1





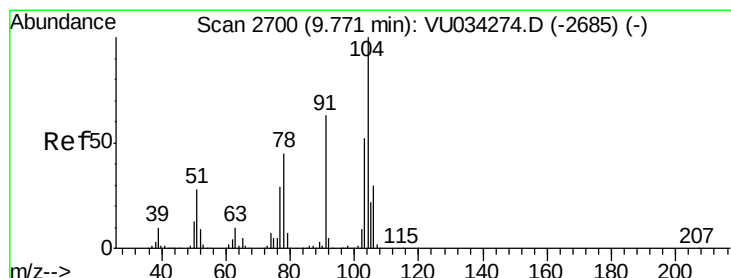
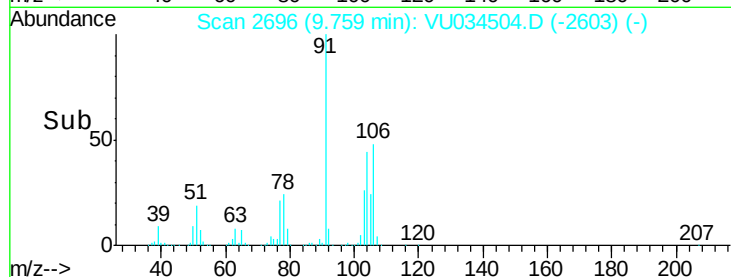
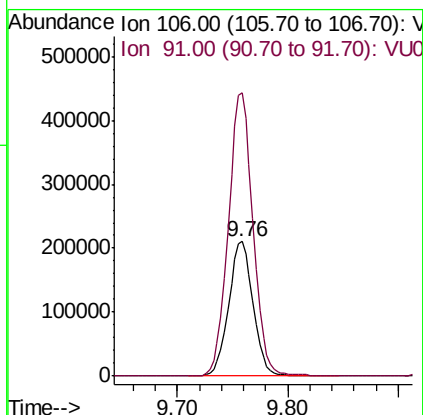
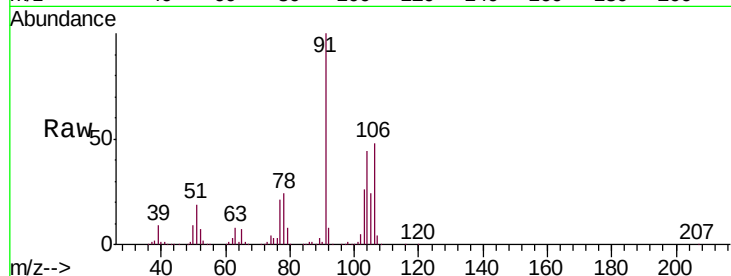
#69
o-Xylene
Concen: 57.582 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	322997		
91	212.5	105.1	315.3	

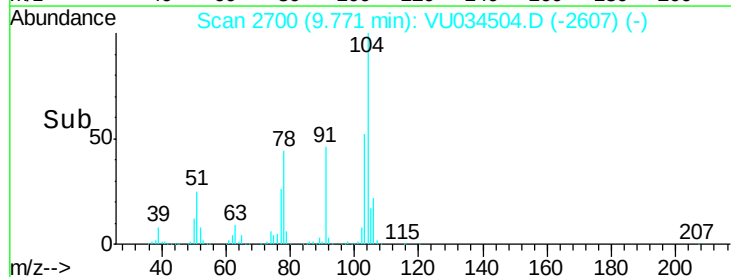
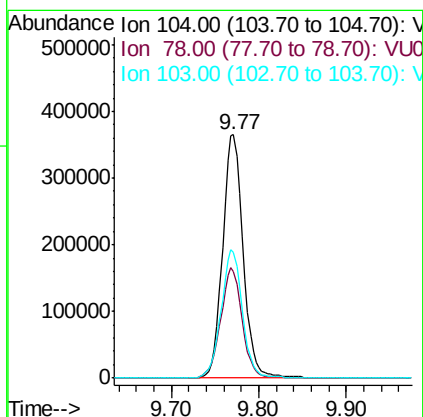
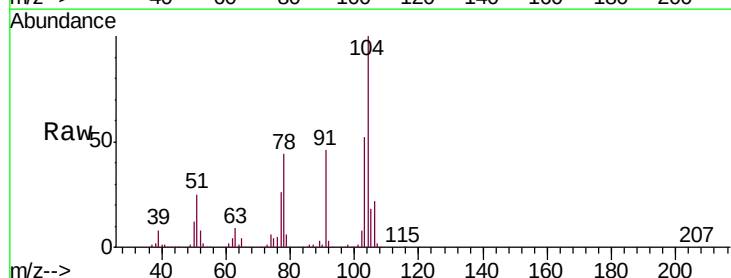
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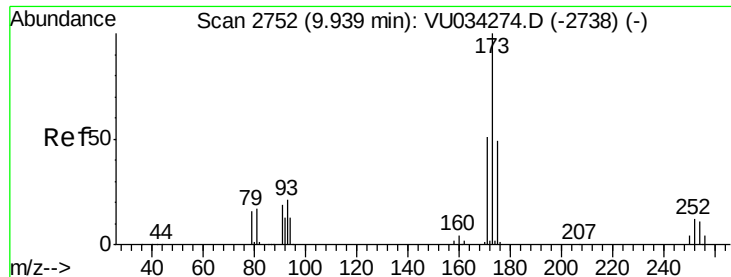
MMDadoda
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#70
Styrene
Concen: 60.540 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	595399		
78	47.5	38.6	57.8	
103	54.7	44.2	66.4	





#71

Bromoform

Concen: 56.937 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 175437

Ion Ratio Lower Upper

173 100

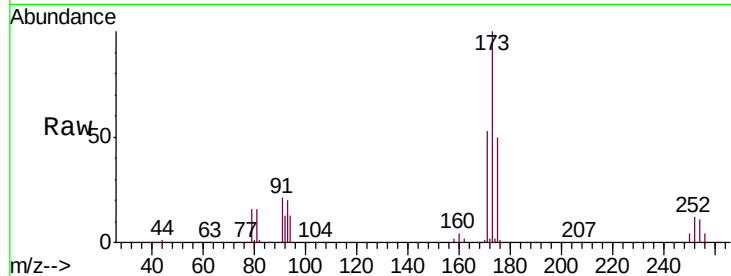
175 49.5 24.4 73.2

254 0.1 0.0 0.0#

Manual Integrations
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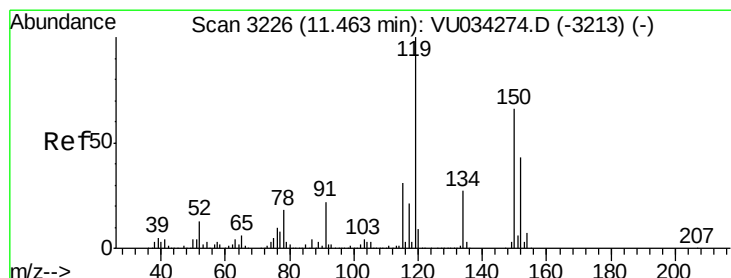
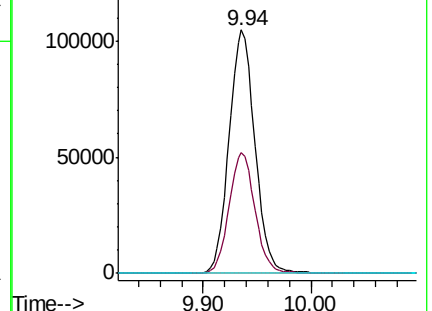
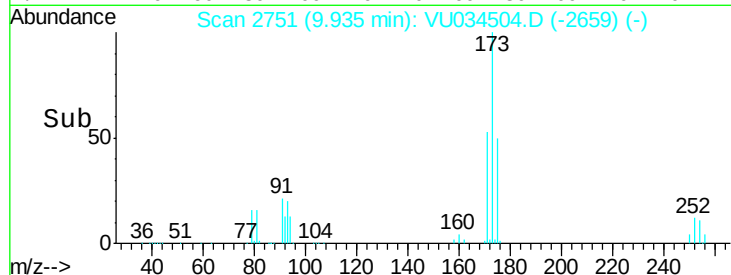
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3225

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

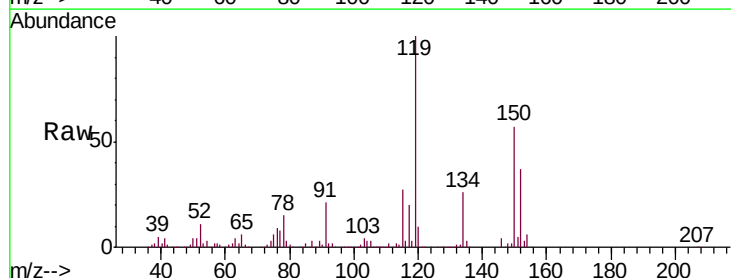
Tgt Ion:152 Resp: 248293

Ion Ratio Lower Upper

152 100

115 79.5 39.1 117.3

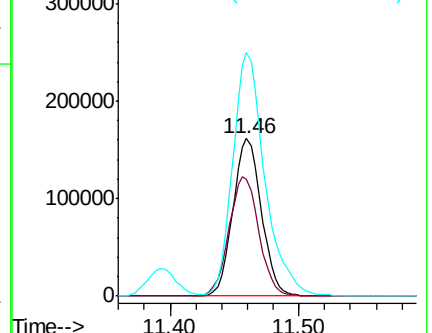
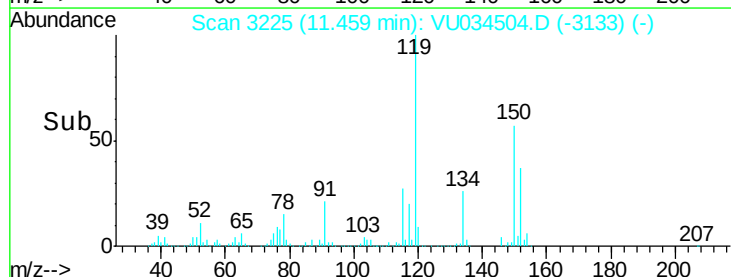
150 173.5 0.0 345.4

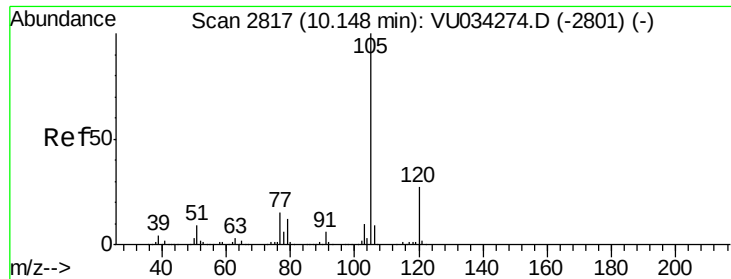


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.531 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 897294

Ion Ratio Lower Upper

105 100

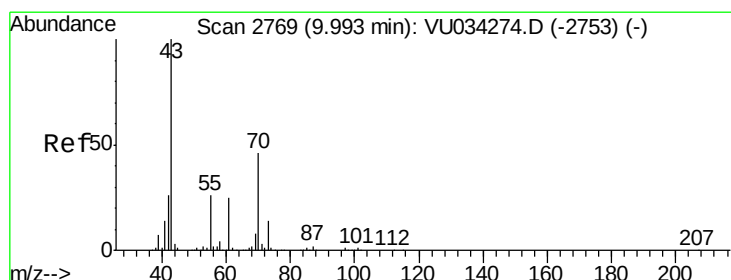
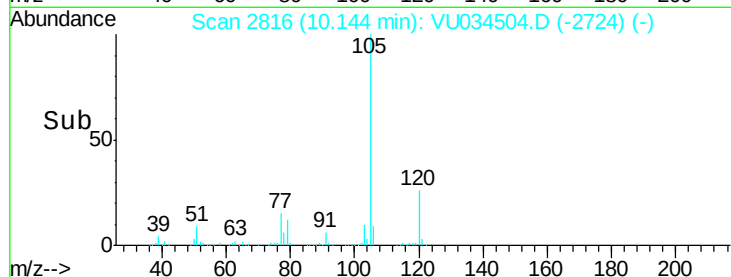
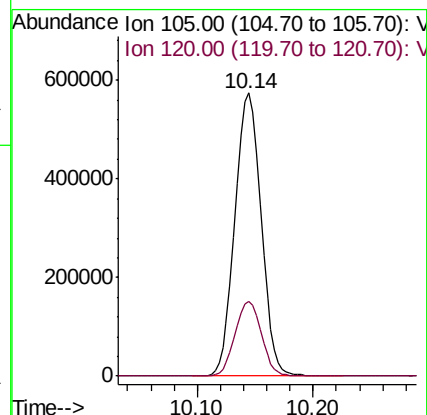
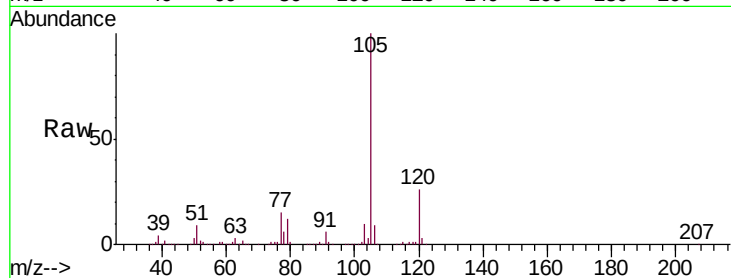
120 26.5 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.906 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion: 43 Resp: 370126

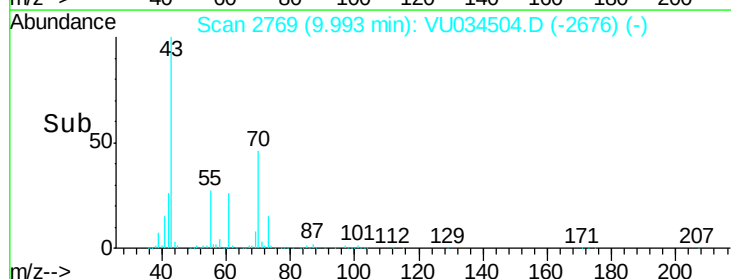
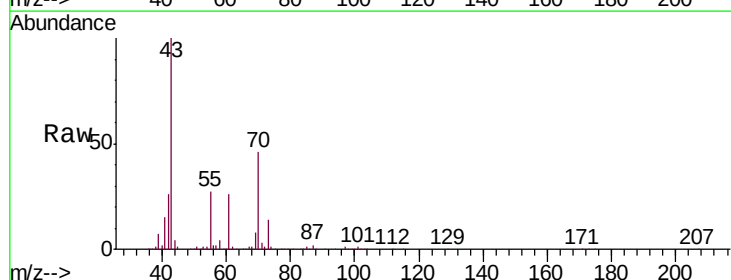
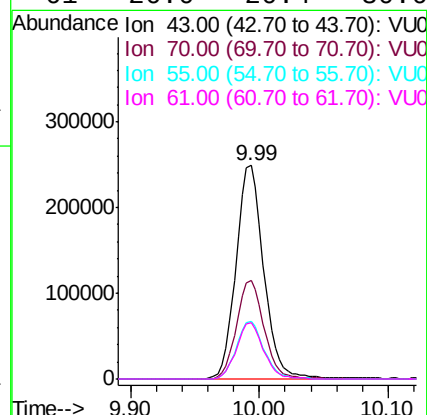
Ion Ratio Lower Upper

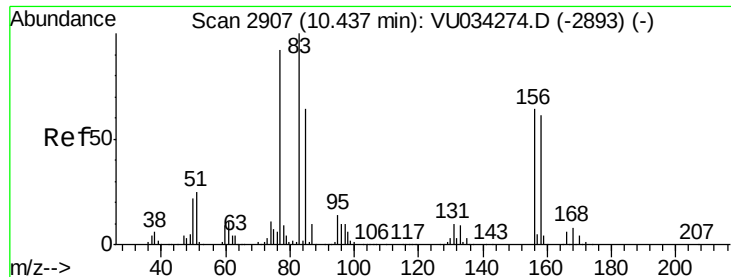
43 100

70 46.1 36.4 54.6

55 27.1 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.150 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

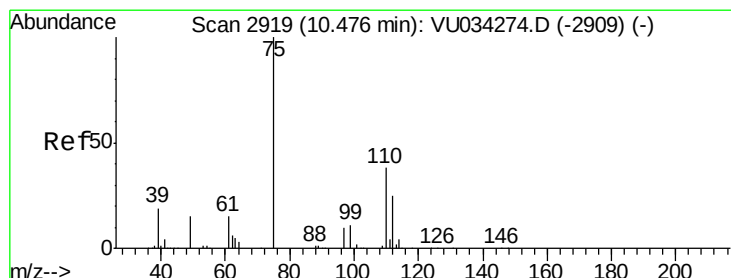
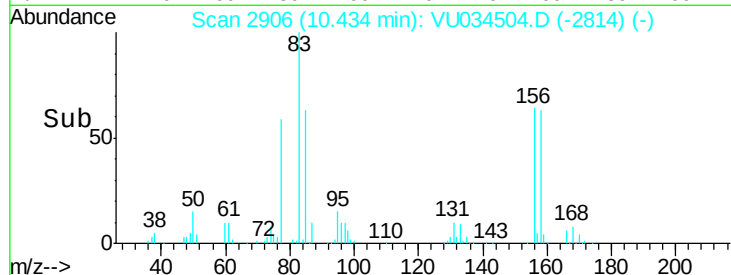
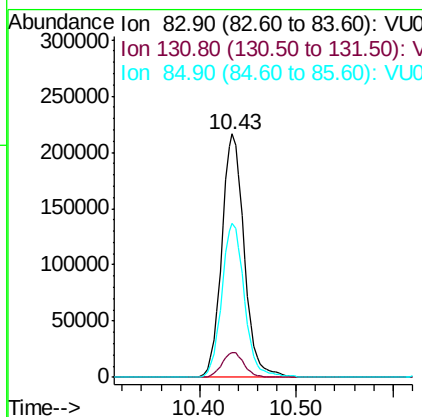
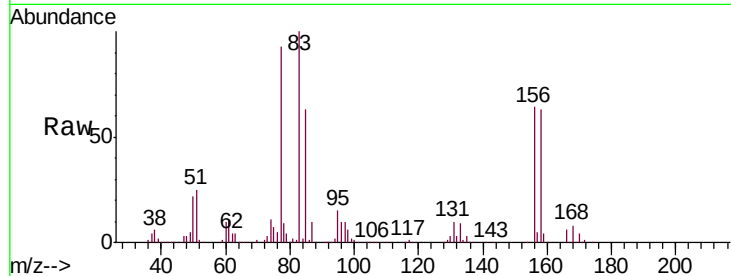
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	347625
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.779 ug/l m

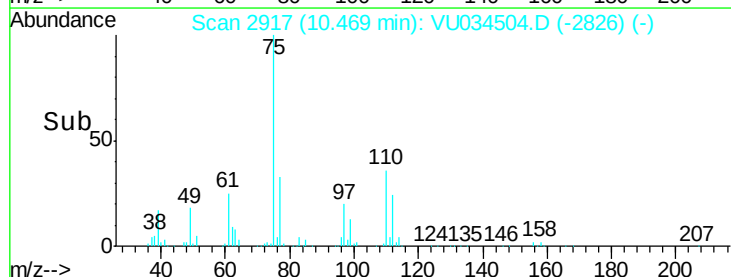
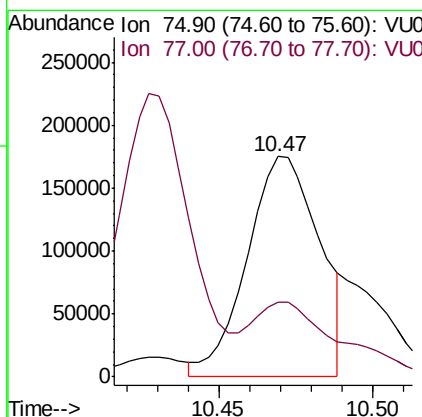
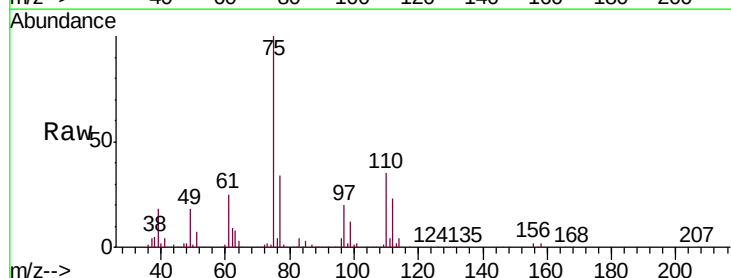
RT: 10.47 min Scan# 2917

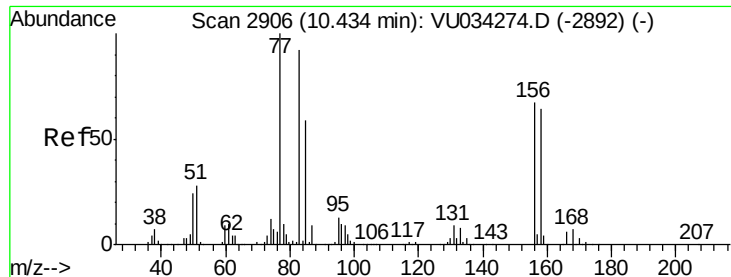
Delta R.T. -0.01 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	75	Resp:	286051
Ion Ratio	Lower	Upper	
75	100		
77	41.1	20.8	62.2





#77

Bromobenzene

Concen: 53.890 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

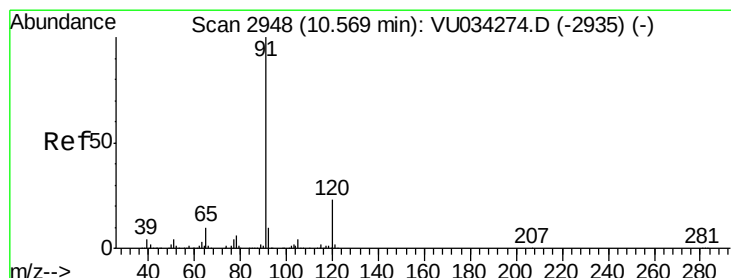
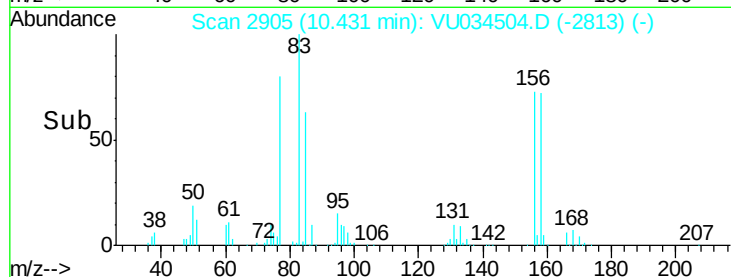
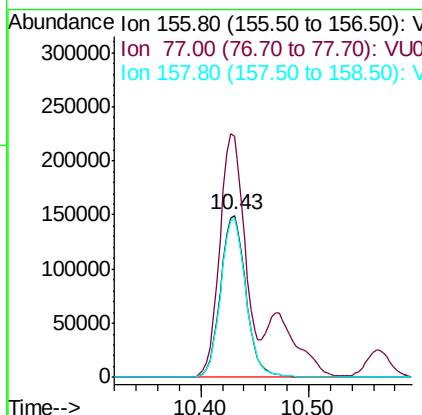
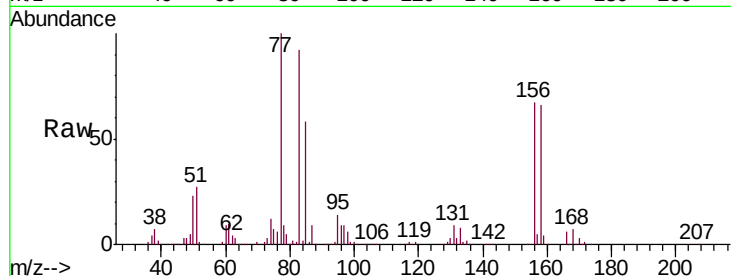
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	243479
Ion	Ratio	Lower	Upper
156	100		
77	148.2	75.6	226.9
158	98.1	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 55.631 ug/l

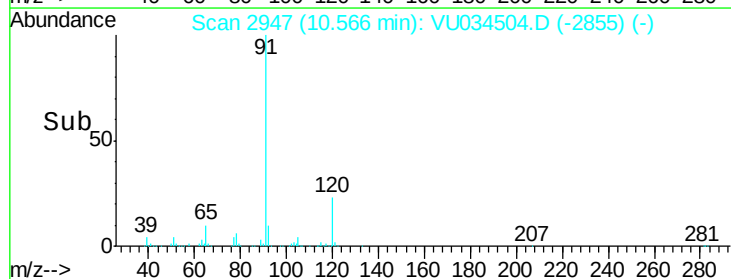
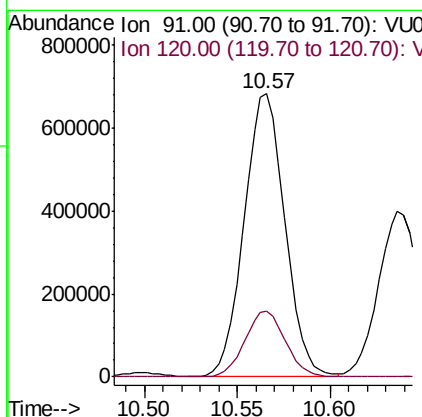
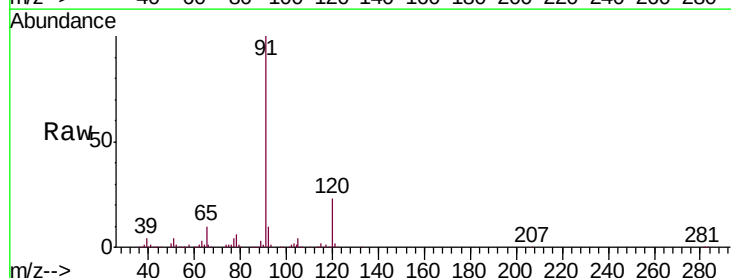
RT: 10.57 min Scan# 2947

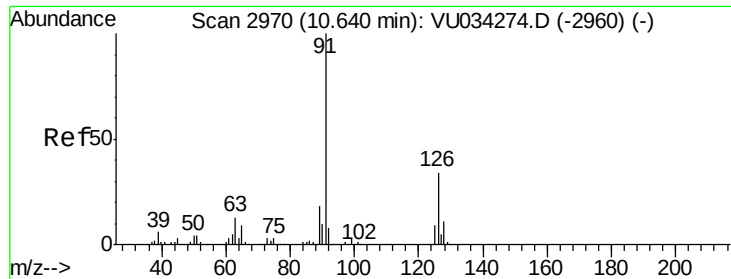
Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Tgt Ion:	91	Resp:	1038154
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.0





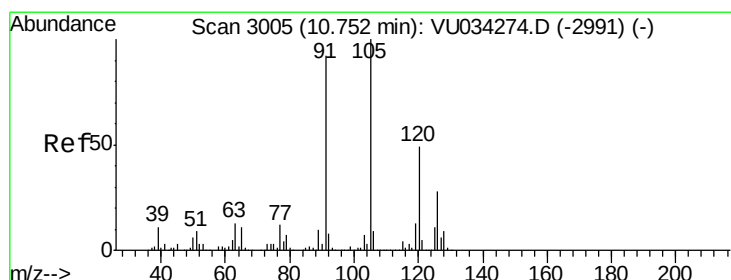
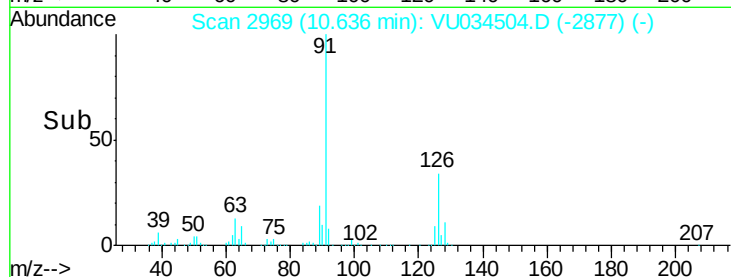
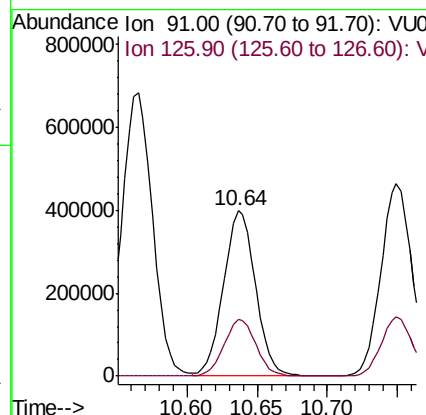
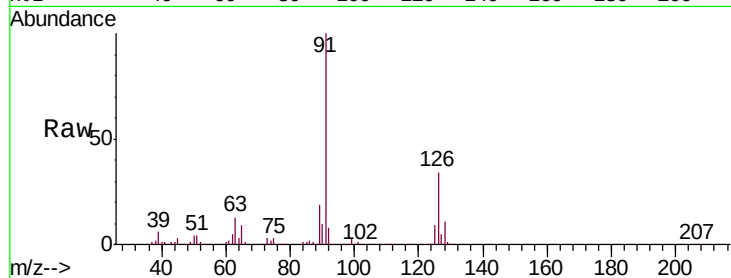
#79
2-Chlorotoluene
Concen: 55.243 ug/l
RT: 10.64 min Scan# 2969
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 629018
Ion Ratio Lower Upper
91 100
126 34.4 17.3 51.9

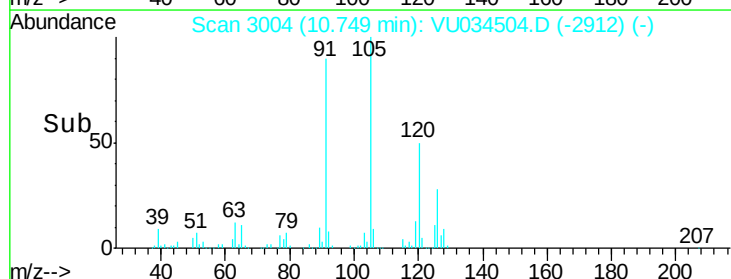
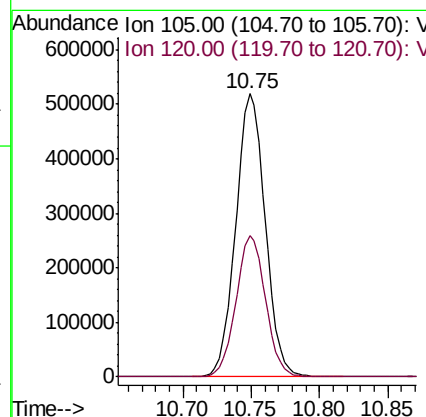
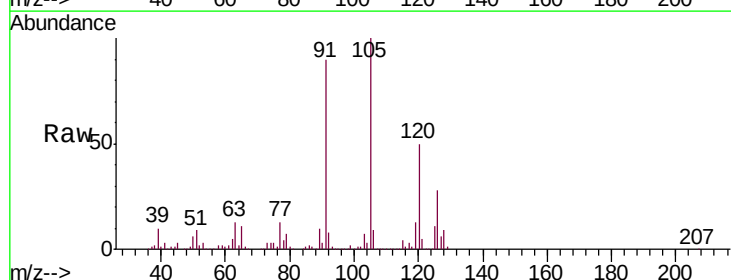
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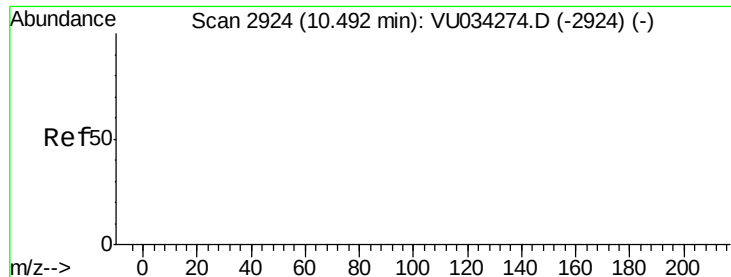
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#80
1,3,5-Trimethylbenzene
Concen: 57.509 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 105 Resp: 777169
Ion Ratio Lower Upper
105 100
120 50.0 24.9 74.7





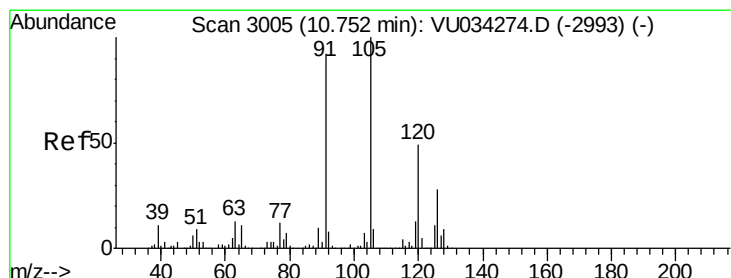
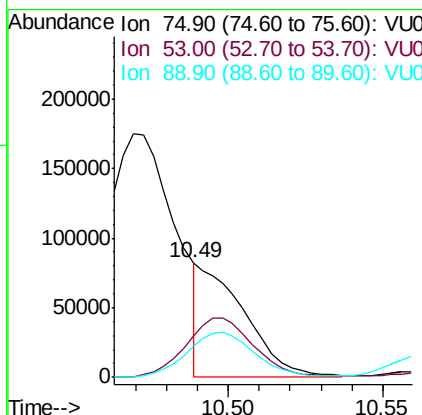
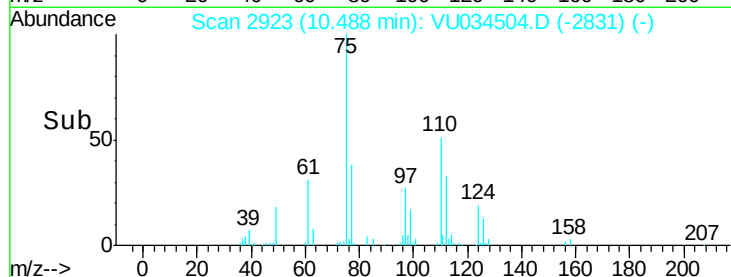
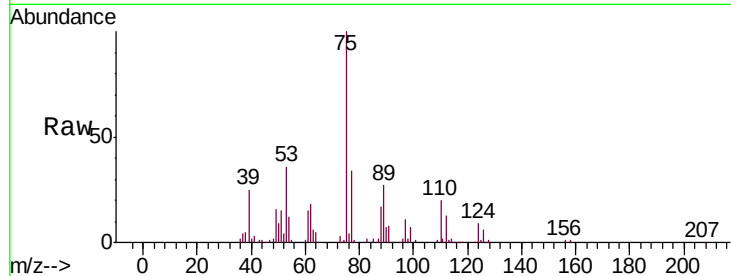
#81
trans-1,4-Dichloro-2-butene
Concen: 52.731 ug/l m
RT: 10.49 min Scan# 2923
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 84983
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

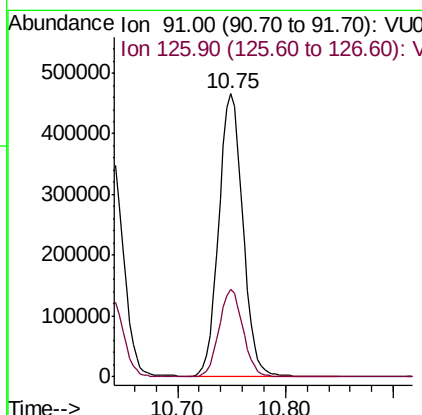
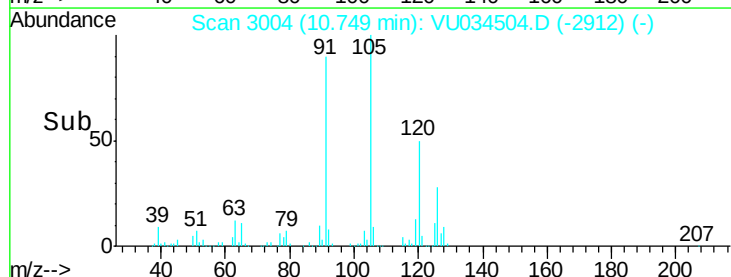
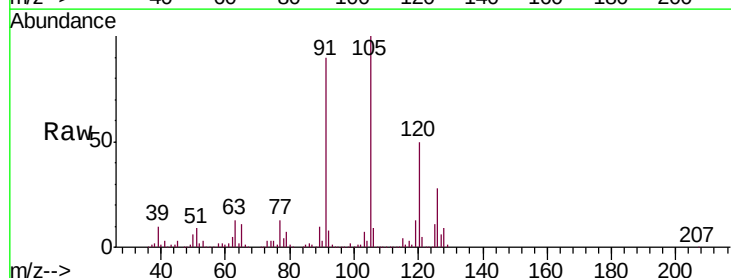
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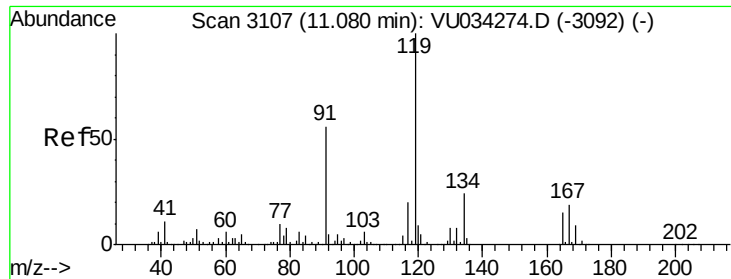
MMDadoda
9/13/2019 6:57:26 AM



#82
4-Chlorotoluene
Concen: 54.949 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion: 91 Resp: 720017
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.8





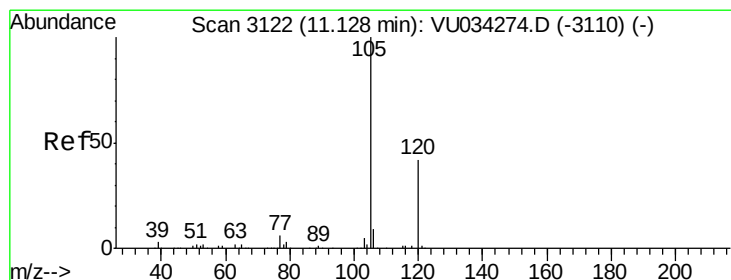
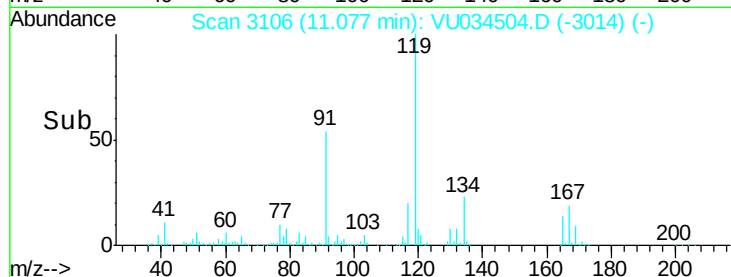
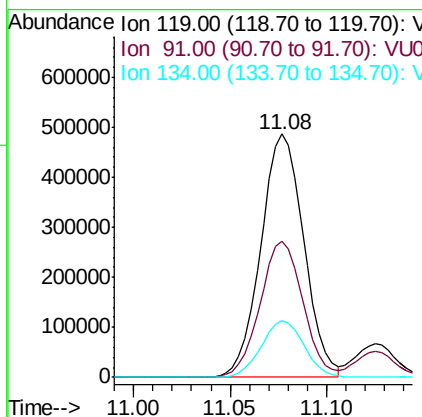
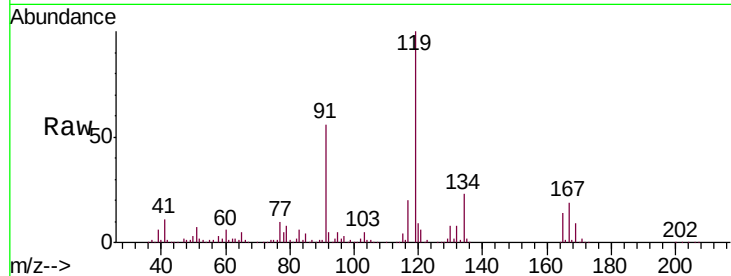
#83
 tert-Butylbenzene
 Concen: 55.596 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	751599		
91	55.6	27.8	83.4	
134	23.2	11.7	35.0	

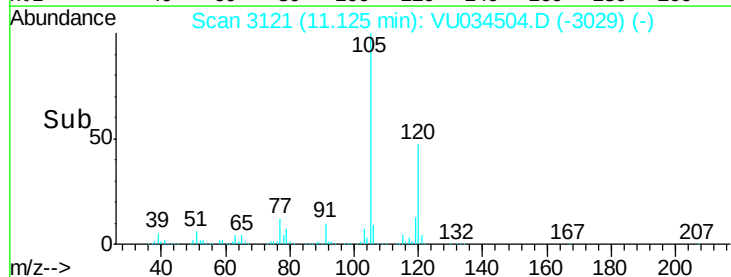
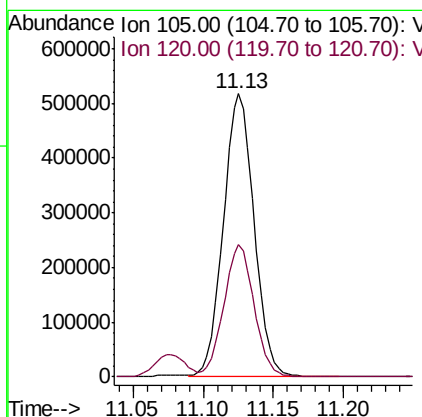
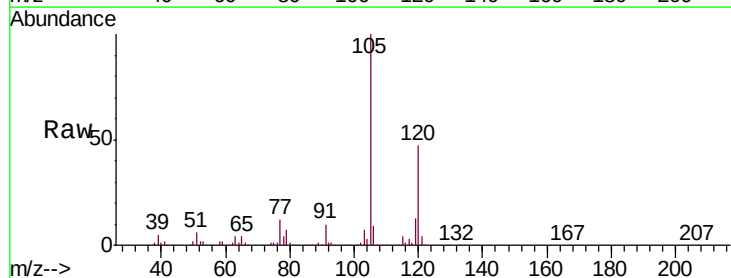
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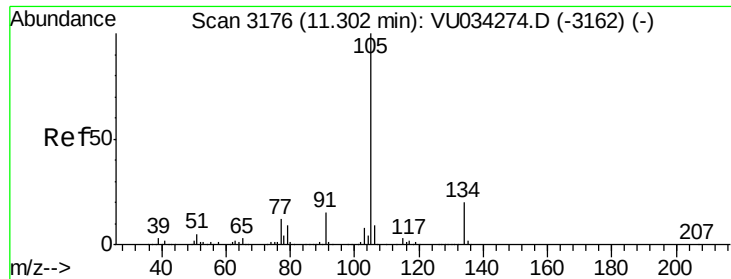
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.433 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	781269		
120	46.2	22.9	68.8	





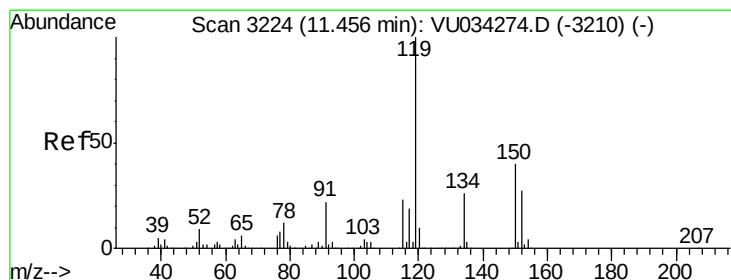
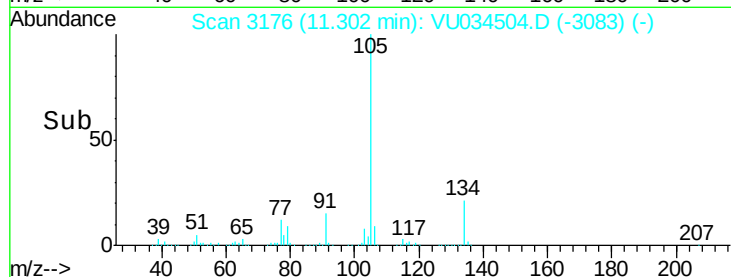
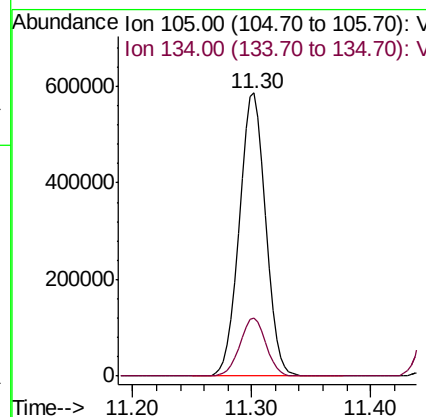
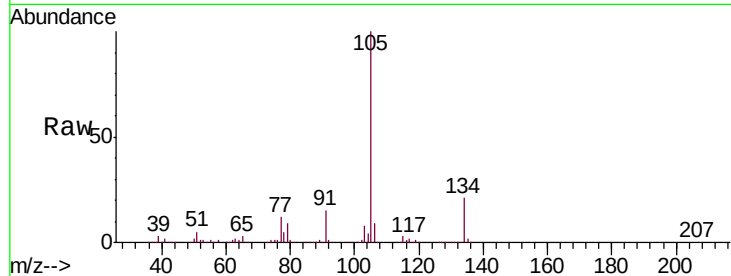
#85
 sec-Butylbenzene
 Concen: 56.044 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	894470		
134	20.4	10.1	30.3	

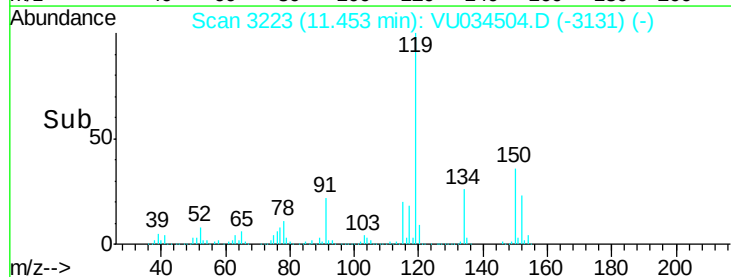
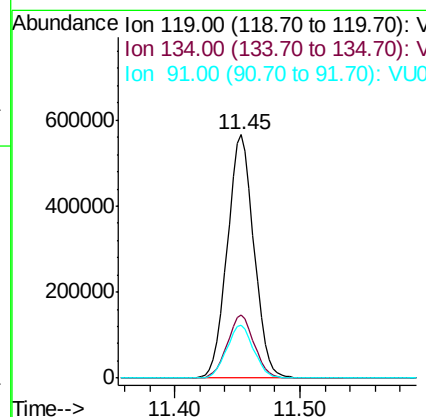
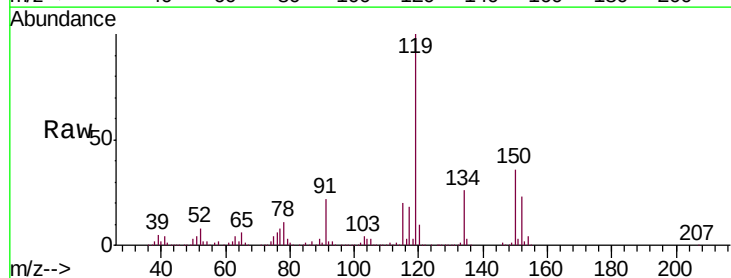
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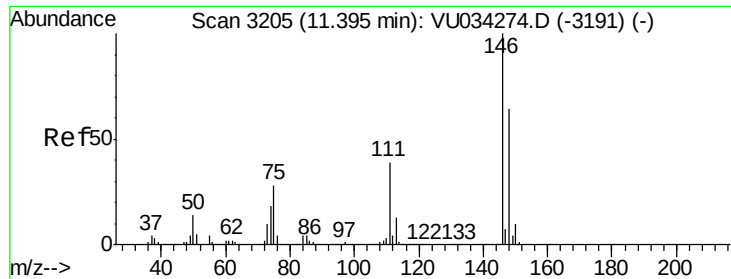
MMDadoda
 9/13/2019 6:57:26 AM



#86
 p-Isopropyltoluene
 Concen: 56.515 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	832526		
134	26.1	13.3	39.8	
91	22.0	11.2	33.6	





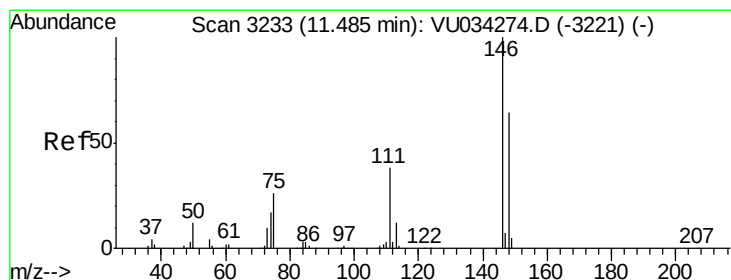
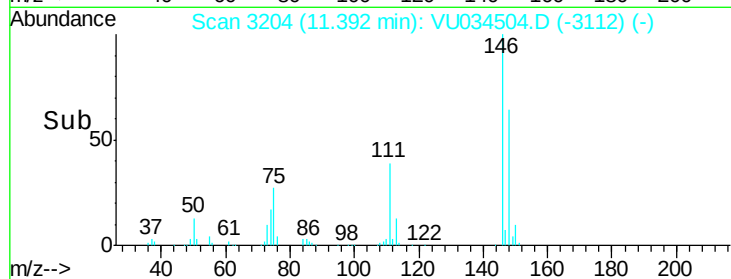
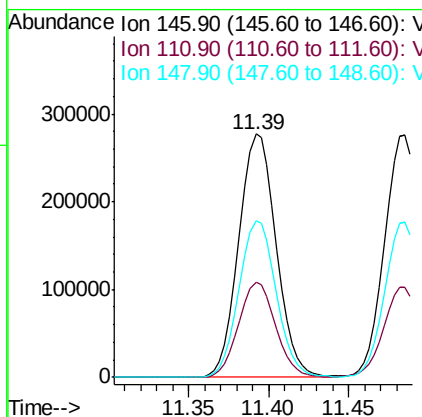
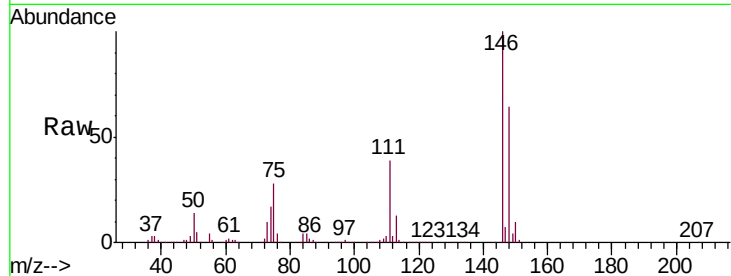
#87
 1,3-Dichlorobenzene
 Concen: 53.553 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.1	32.1	96.3

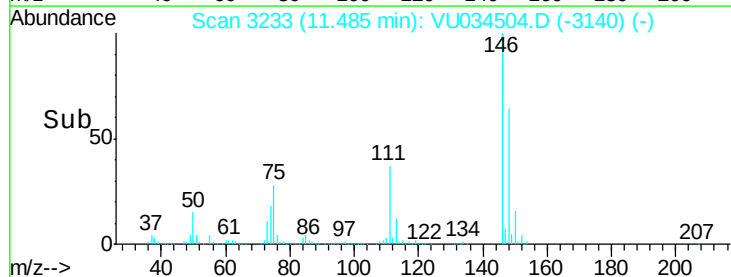
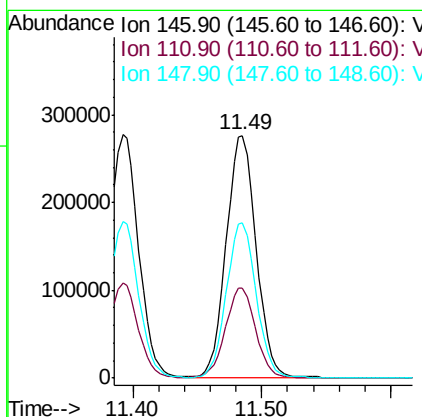
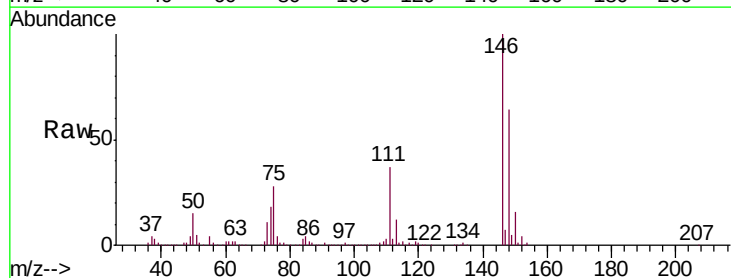
Manual Integrations
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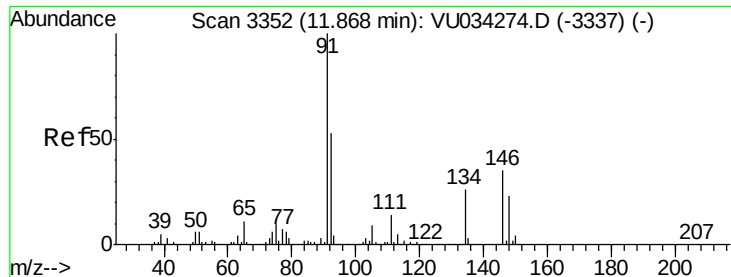
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#88
 1,4-Dichlorobenzene
 Concen: 51.560 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	64.2	32.0	96.0





#89

n-Butylbenzene

Concen: 55.619 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU034504.D

Acq: 12 Sep 2019 02:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 712004
Ion Ratio Lower Upper

91 100

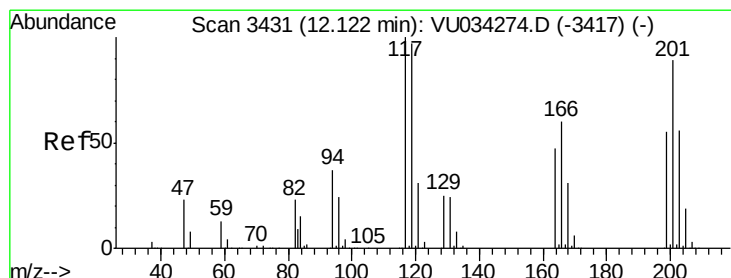
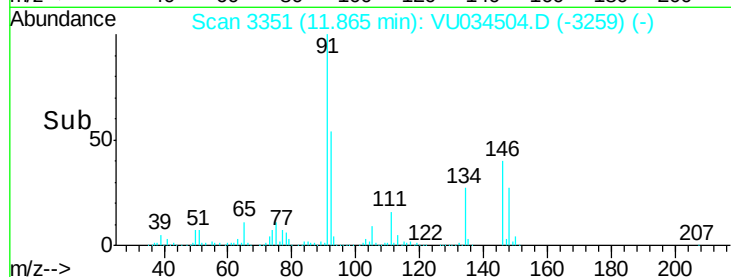
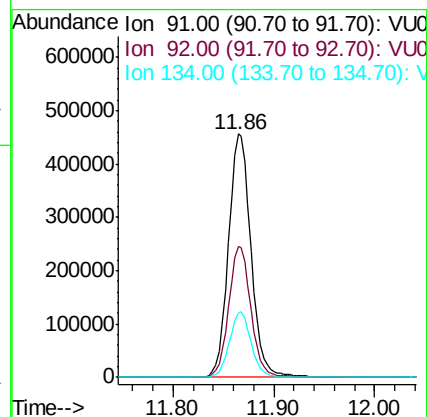
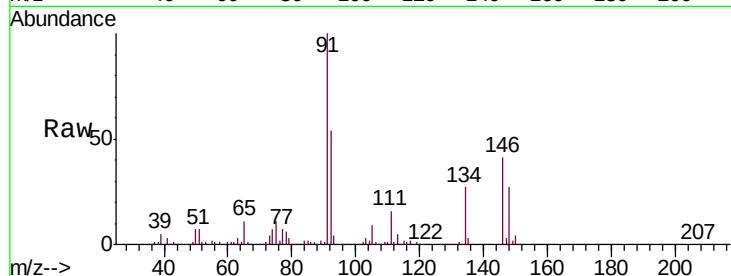
92 53.0 26.5 79.4

134 26.2 13.2 39.6

Manual Integrations
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#90

Hexachloroethane

Concen: 53.666 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. 0.00 min

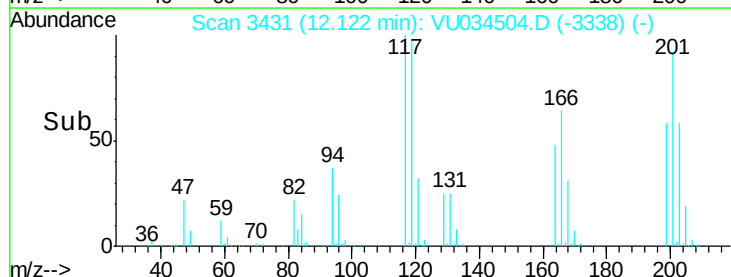
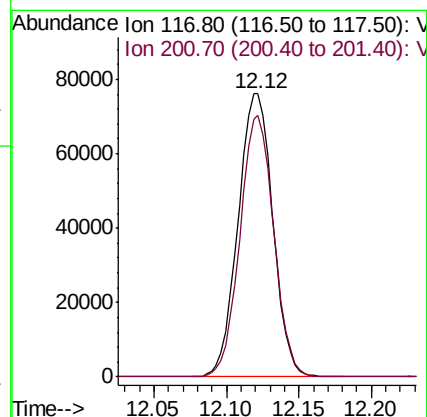
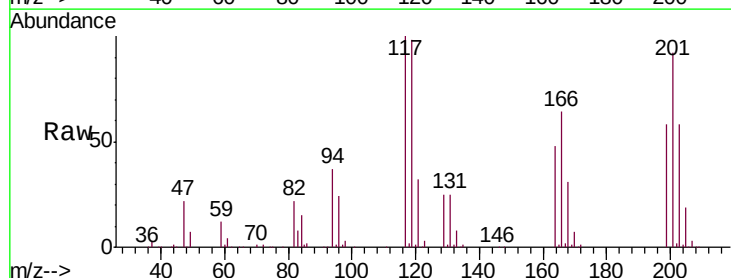
Lab File: VU034504.D

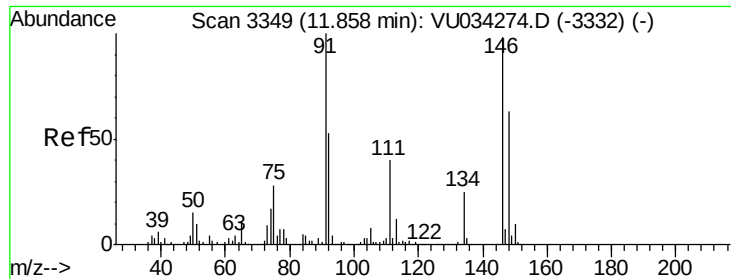
Acq: 12 Sep 2019 02:49

Tgt Ion: 117 Resp: 126480
Ion Ratio Lower Upper

117 100

201 89.8 44.1 132.4





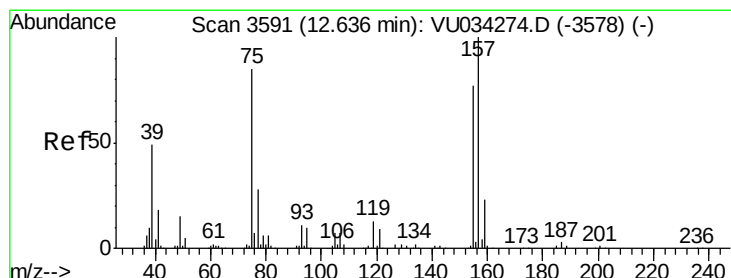
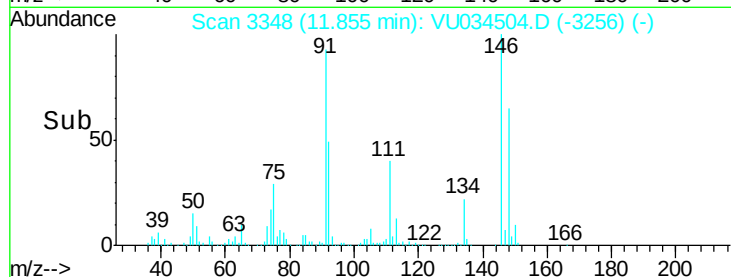
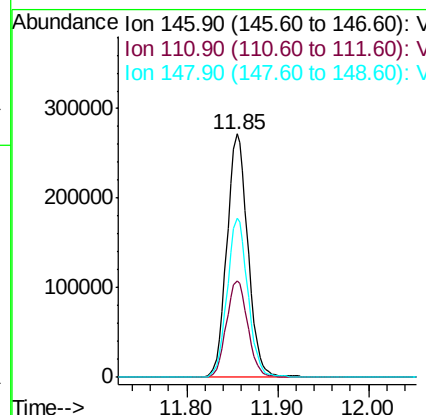
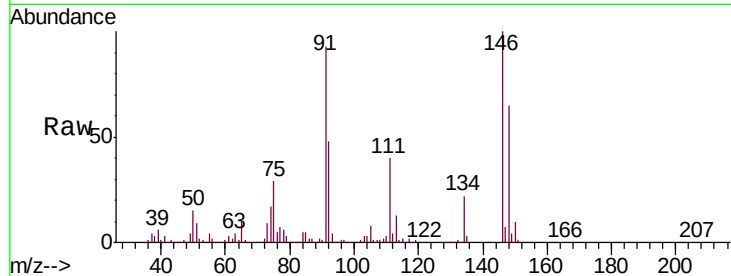
#91
 1,2-Dichlorobenzene
 Concen: 54.034 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.4	31.6	94.8

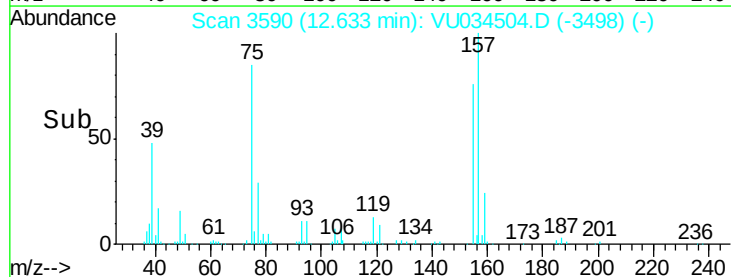
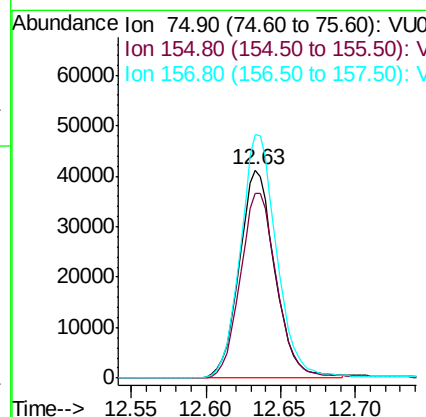
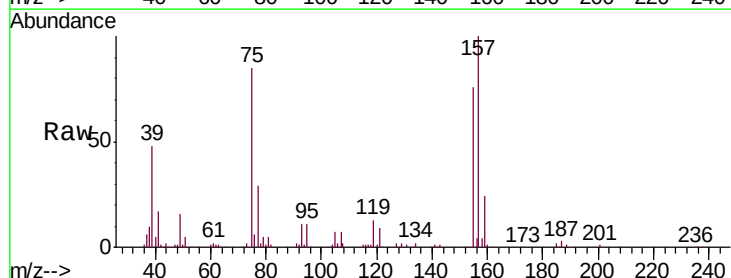
Manual Integrations
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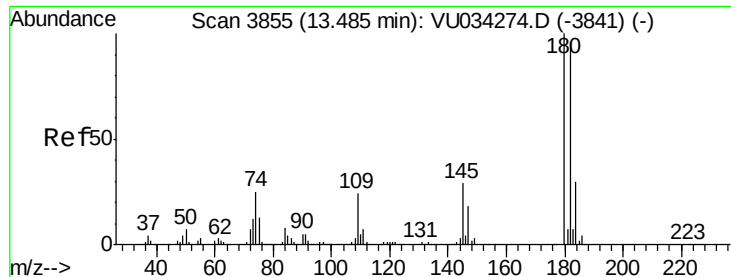
MMDadoda
 9/13/2019 6:57:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.973 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	44.6	134.0
157	119.1	58.2	174.6





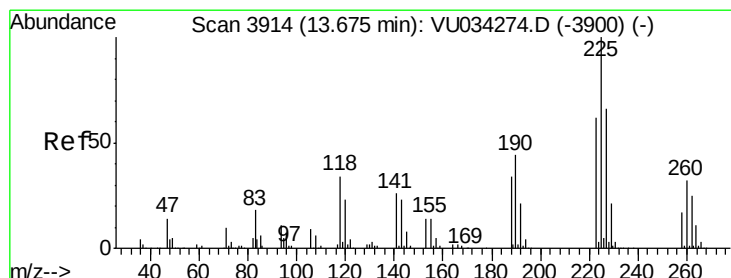
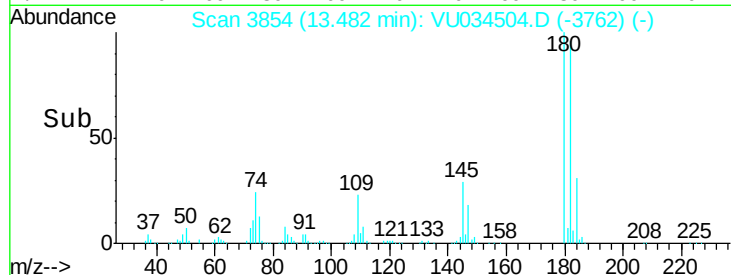
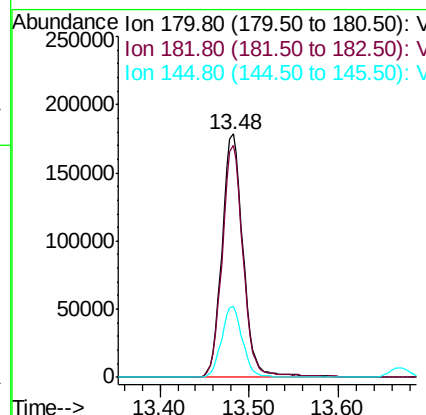
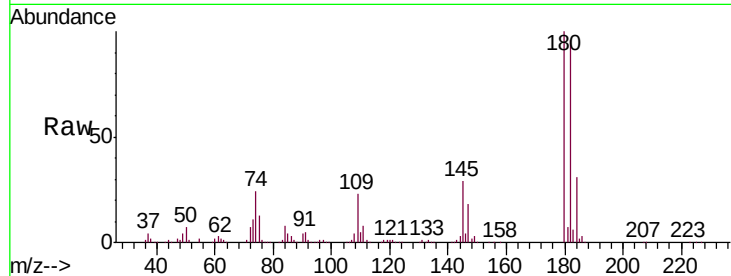
#93
 1,2,4-Trichlorobenzene
 Concen: 50.083 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	294342		
182	94.1	47.9	143.8	
145	29.0	14.4	43.0	

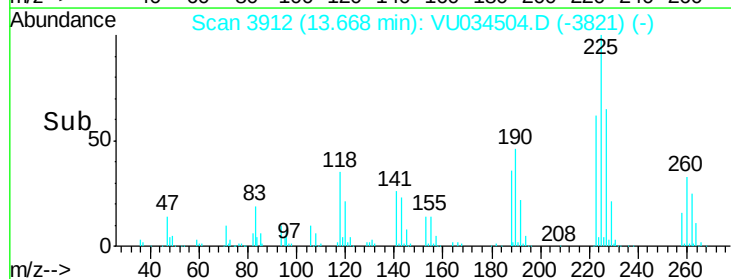
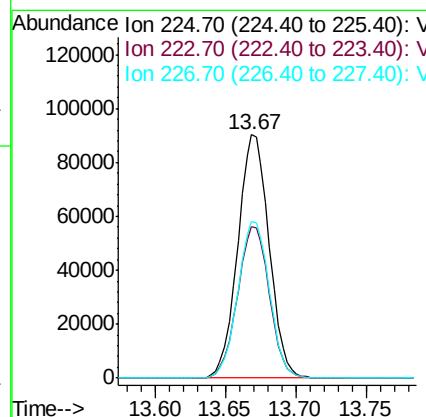
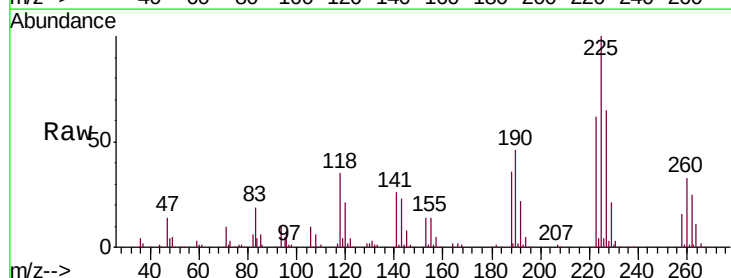
Manual Integrations
 APPROVED

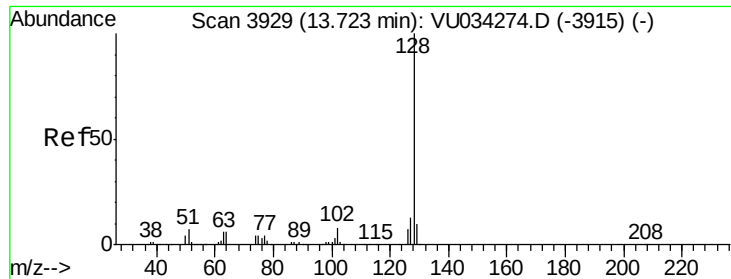
MMDadoda
 9/13/2019 6:57:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.661 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034504.D
 Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140752		
223	63.1	31.6	94.7	
227	64.8	32.3	96.8	





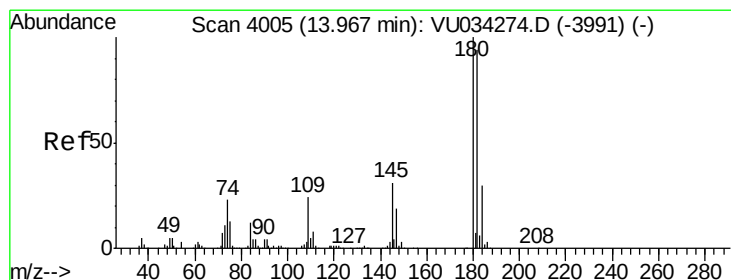
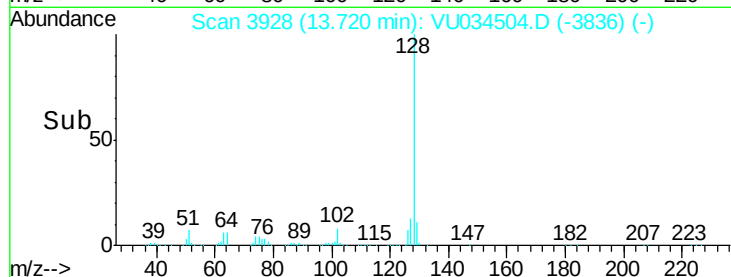
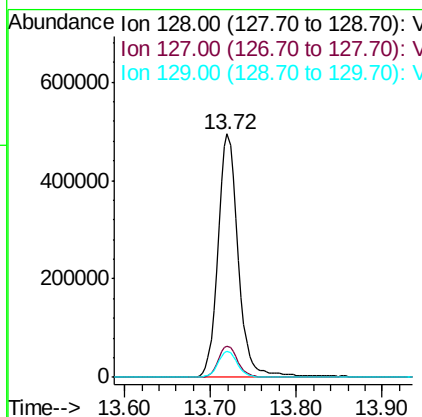
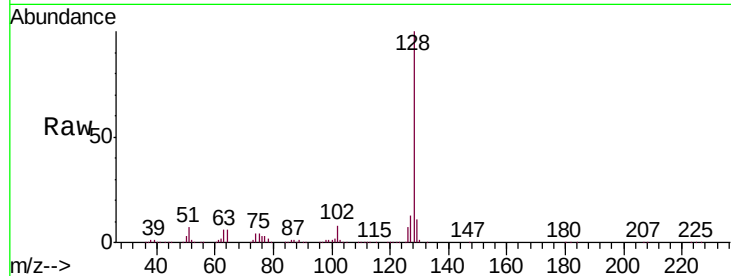
#95
Naphthalene
Concen: 49.277 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	814416		
127	12.7	10.6	15.8	
129	10.1	8.4	12.6	

Manual Integrations
APPROVED

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9/13/2019 6:57:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.771 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VU034504.D
Acq: 12 Sep 2019 02:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	294408		
182	97.4	48.4	145.0	
145	30.2	15.4	46.4	

