

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092220\
 Data File : VU040251.D
 Acq On : 22 Sep 2020 16:57
 Operator : SY/MD
 Sample : L4089-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

Quant Time: Sep 23 08:06:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	41017	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	14383	0.84	ug/l	0.00
Spiked Amount	1.000		Recovery	=	84.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	14913	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	303	0.021	ug/l # 42
4) Vinyl Chloride	1.61	62	143782	8.772	ug/l 99
5) Bromomethane	2.00	94	20	0.004	ug/l # 3
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	248	0.024	ug/l # 21
9) 1,1-Dichloroethene	2.59	96	134680	17.024	ug/l 97
13) Acetone	2.65	43	482	0.080	ug/l # 49
14) Carbon Disulfide	2.80	76	472	0.034	ug/l # 59
15) Methylene Chloride	3.06	84	152845	11.497	ug/l 95
16) trans-1,2-Dichloroethene	3.37	96	51369	6.041	ug/l 99
18) 2-Butanone	4.72	43	148	0.016	ug/l 78
19) Cyclohexane	5.40	56	98	0.008	ug/l # 1
20) Methylcyclohexane	6.82	83	859	0.065	ug/l # 19
22) cis-1,2-Dichloroethene	4.68	96	129176	12.051	ug/l 86
23) Diethyl Ether	2.59	59	9146	17.907	ug/l # 13
25) Methyl tert-Butyl Ether	3.39	73	219	0.008	ug/l # 10
26) Bromochloromethane	5.00	128	74	0.014	ug/l # 1
27) Chloroform	5.11	83	1448	0.063	ug/l 93
28) 1,1,1-Trichloroethane	5.33	97	289268	15.072	ug/l 99
29) 1,1-Dichloropropene	5.79	75	12880	16.178	ug/l # 1
30) Carbon Tetrachloride	5.54	117	82138	5.210	ug/l 99
35) Benzene	5.79	78	713366	17.410	ug/l 99
36) 1,2-Dichloroethane	5.81	62	257045	15.610	ug/l 99
37) Trichloroethene	6.55	130	128259	12.186	ug/l 98
38) 1,2-Dichloropropane	6.81	63	125459	9.893	ug/l 95
45) 4-Methyl-2-Pentanone	7.81	43	2591	0.125	ug/l # 79
46) t-1,4-Dichloro-2-butene	10.63	75	7801	1.567	ug/l # 18
49) Toluene	7.98	92	351253	13.516	ug/l 100
50) t-1,3-Dichloropropene	7.98	75	4569	0.281	ug/l # 1
52) 1,1,2-Trichloroethane	8.41	97	52591	5.220	ug/l 98
54) 2-Hexanone	8.70	43	1883	0.129	ug/l 89
58) Tetrachloroethene	8.56	164	123892	15.835	ug/l 96
59) Chlorobenzene	9.45	112	331086	10.835	ug/l 97
63) Ethyl Benzene	9.57	91	649942	12.809	ug/l 100
64) m/p-Xylenes	9.70	106	366637	38.042	ug/l 99
65) o-Xylene	10.10	106	135317	7.318	ug/l 97
66) Styrene	10.11	104	137769	4.174	ug/l 94
70) 1,1,2,2-Tetrachloroethane	10.79	83	138	0.011	ug/l # 27
71) 1,2,3-Trichloropropane	10.63	75	7801	0.778	ug/l # 35
73) n-propylbenzene	11.09	120	164	0.008	ug/l # 1
75) 1,3,5-Trimethylbenzene	11.09	105	630	0.014	ug/l # 70
77) tert-Butylbenzene	11.47	119	43	0.008	ug/l # 25

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MSVOA_V
ClientSampleId :
38022-111319

Quant Time: Sep 23 08:06:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Sep 11 13:27:06 2020
Response via : Initial Calibration

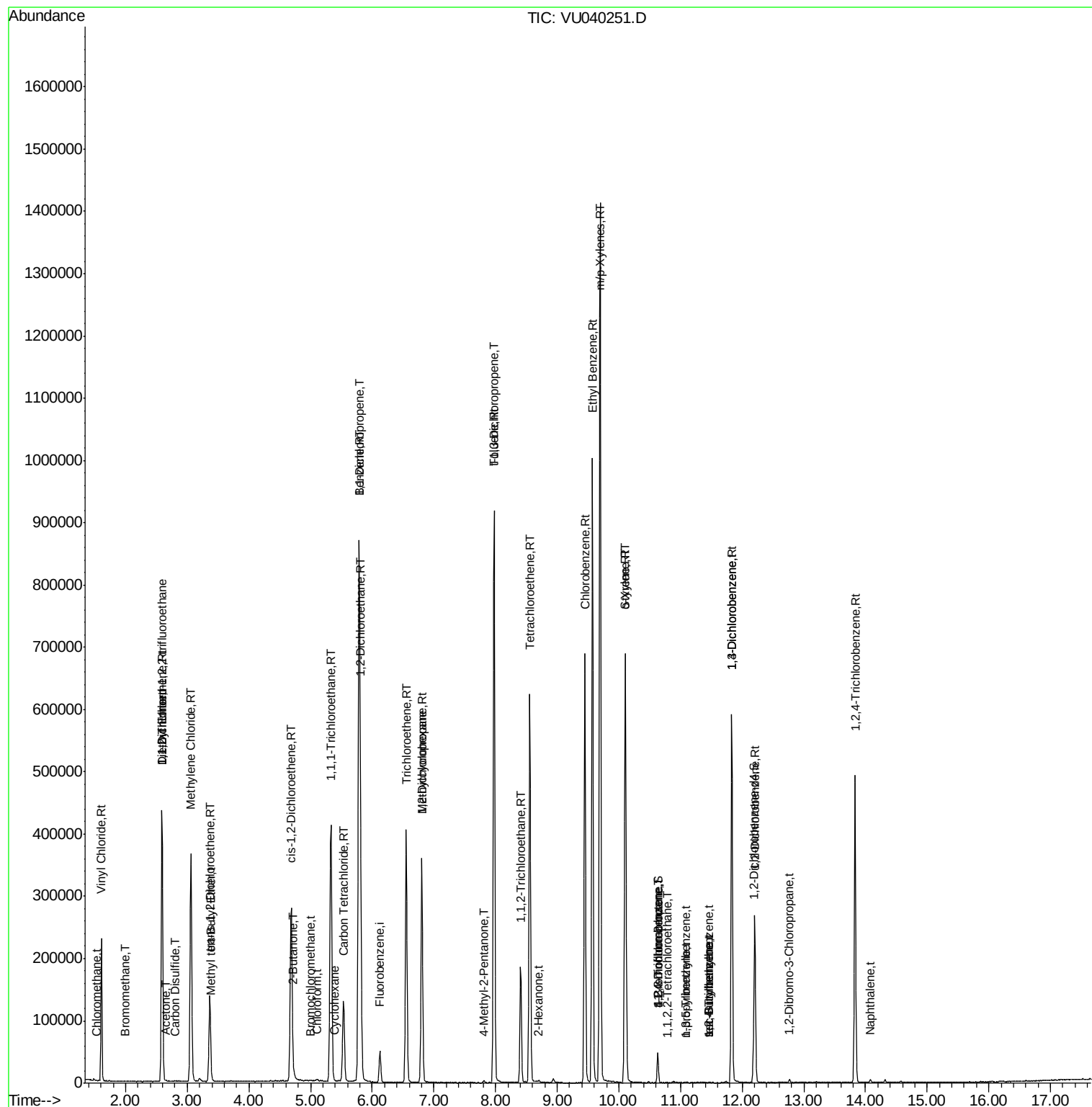
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) 1,2,4-Trimethylbenzene	11.46	105	748	0.017	ug/l	83
79) sec-Butylbenzene	11.46	105	748	0.017	ug/l #	58
82) 1,3-Dichlorobenzene	11.83	146	218145	8.448	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	218145	8.641	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	93458	3.884	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.77	75	43	0.019	ug/l #	12
87) 1,2,4-Trichlorobenzene	13.83	180	138068	9.984	ug/l	98
89) Naphthalene	14.08	128	3810	0.149	ug/l #	95

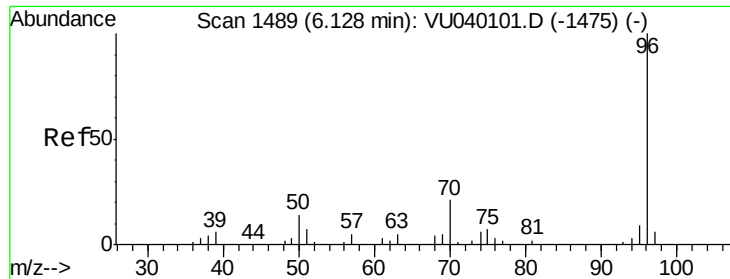
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

38022-111319

Tot Ion: 96 Resp: 41017

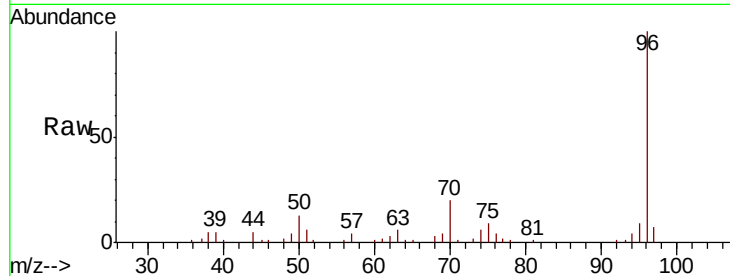
Ion Ratio Lower Upper

96 100

70 20.3 17.1 25.7

95 8.8 7.6 11.4

97 0.0 0.0 0.0

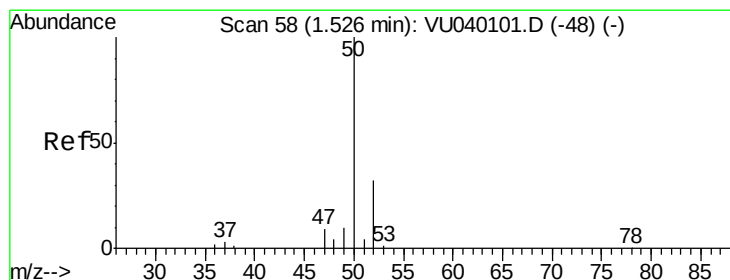
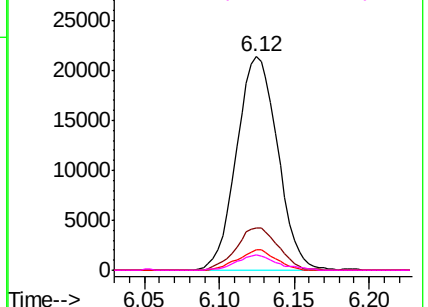
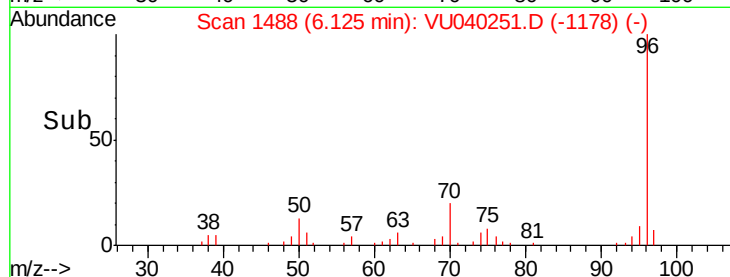


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#3

Chloromethane

Concen: 0.021 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040251.D

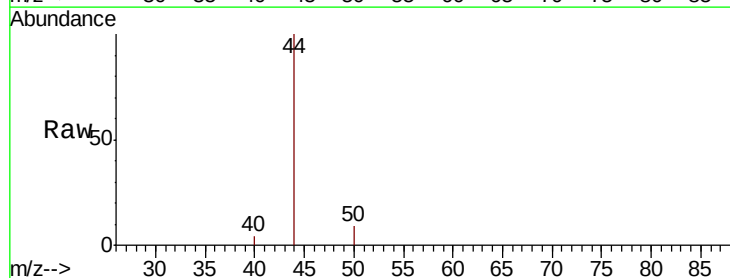
Acq: 22 Sep 2020 16:57

Tgt Ion: 50 Resp: 303

Ion Ratio Lower Upper

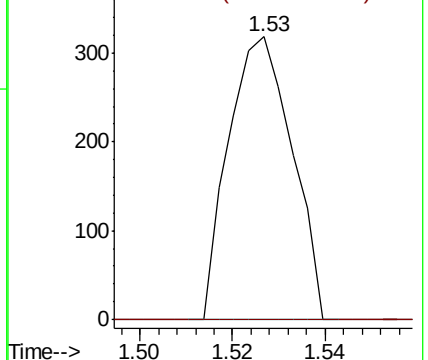
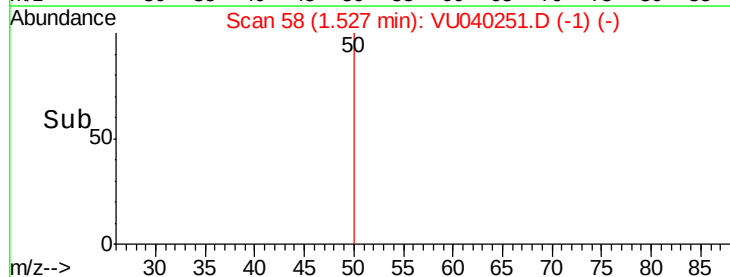
50 100

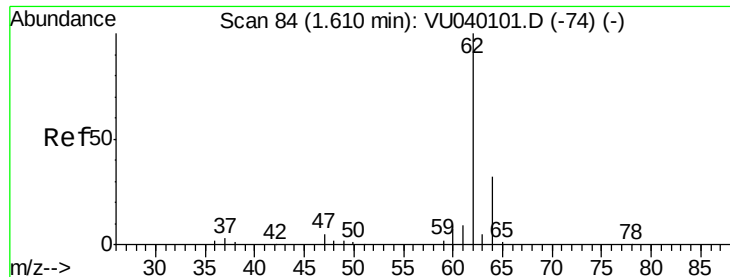
52 0.0 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#4

Vinyl Chloride

Concen: 8.772 ug/l

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

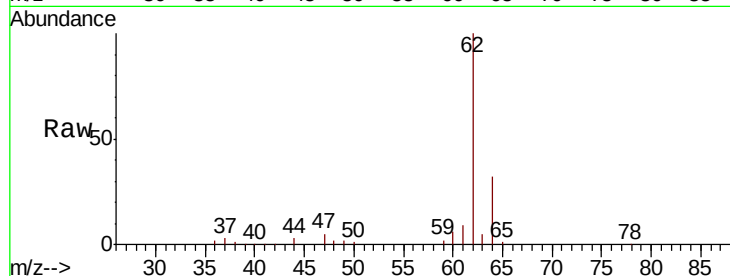
38022-111319

Tot Ion: 62 Resp: 143782

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU040101.D (-74) (-)

Ion 64.00 (63.70 to 64.70): VU040101.D (-74) (-)

1.61

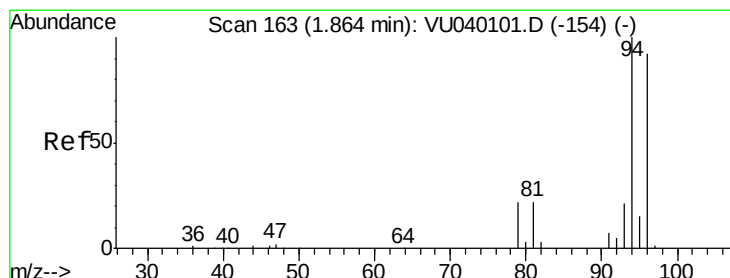
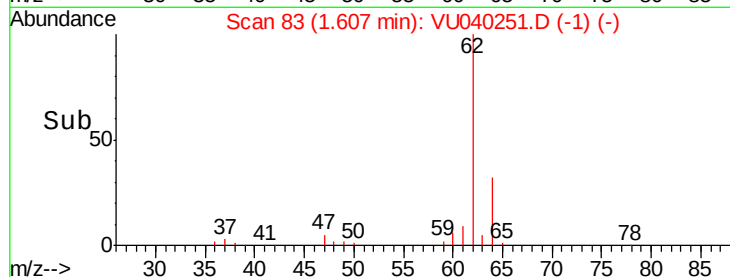
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#5

Bromomethane

Concen: 0.004 ug/l

RT: 2.00 min Scan# 206

Delta R.T. 0.14 min

Lab File: VU040251.D

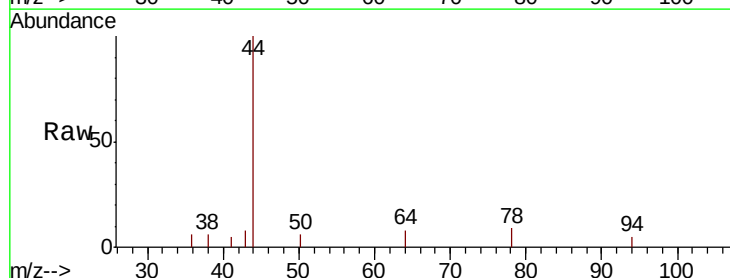
Acq: 22 Sep 2020 16:57

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 94.00 (93.70 to 94.70): VU040101.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040101.D (-154) (-)

2.00

120

100

80

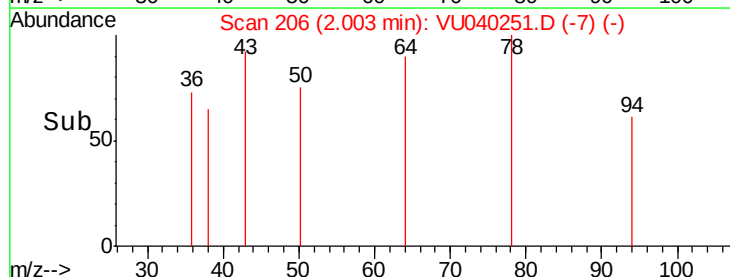
60

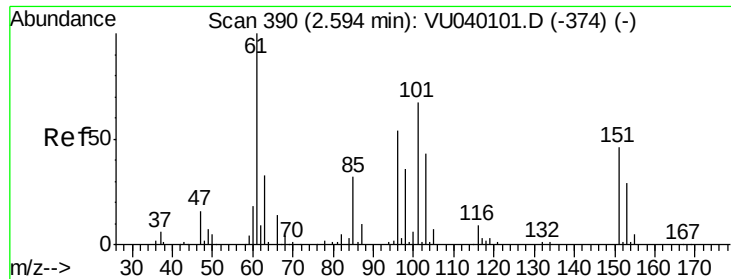
40

20

0

Time--> 1.99 2.00 2.00 2.01





#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.024 ug/l

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

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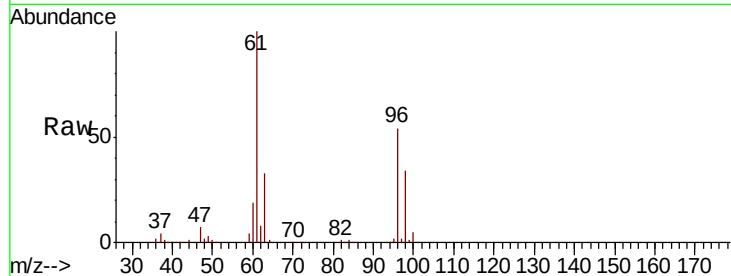
Tot Ion:101 Resp: 248

Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

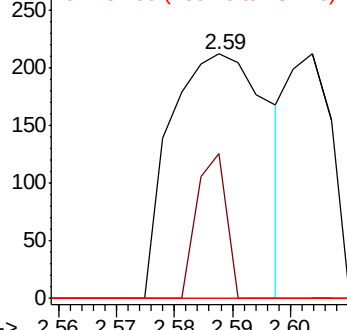
151 0.0 54.6 81.8#



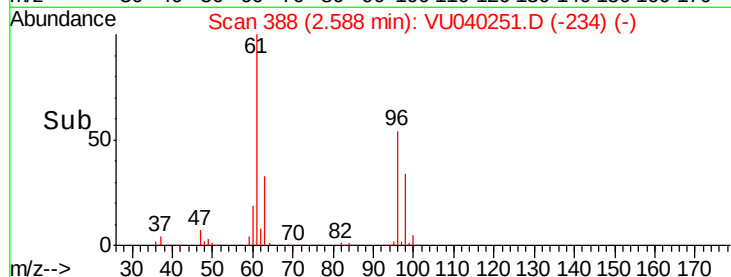
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#9

1,1-Dichloroethene

Concen: 17.024 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

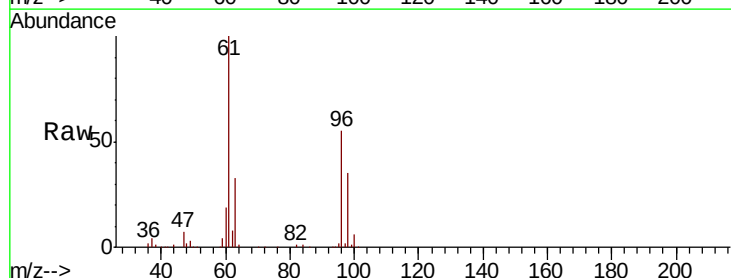
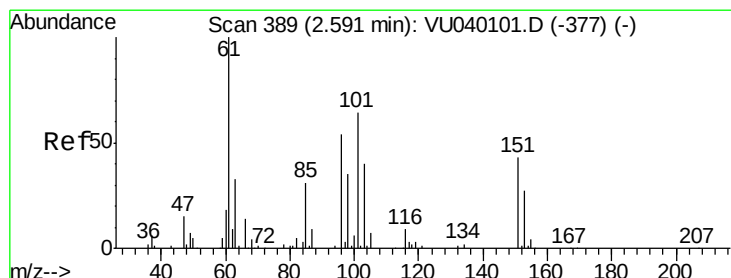
Tgt Ion: 96 Resp: 134680

Ion Ratio Lower Upper

96 100

61 180.6 0.0 557.1

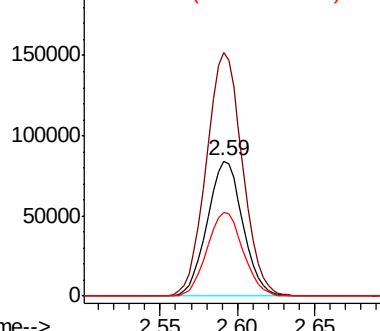
98 62.4 0.0 125.6



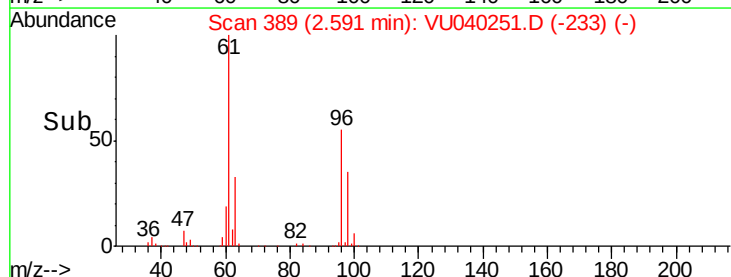
Abundance Ion 96.00 (95.70 to 96.70): VU0

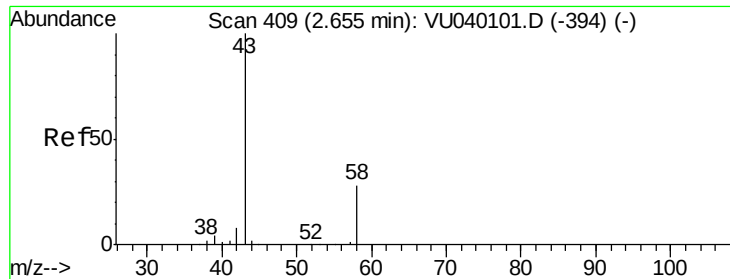
Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





#13

Acetone

Concen: 0.080 ug/l

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

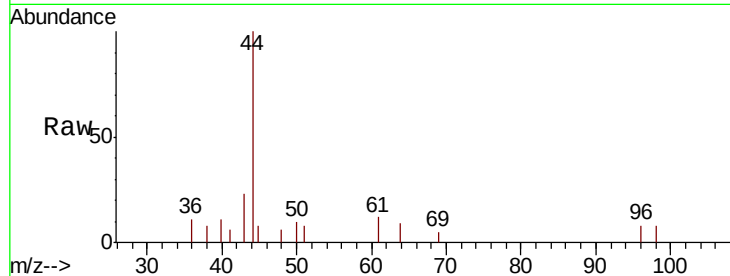
38022-111319

Tot Ion: 43 Resp: 482

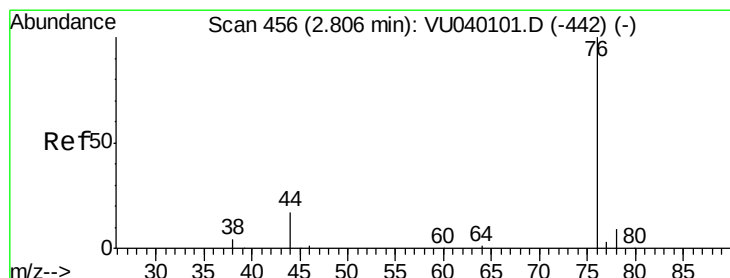
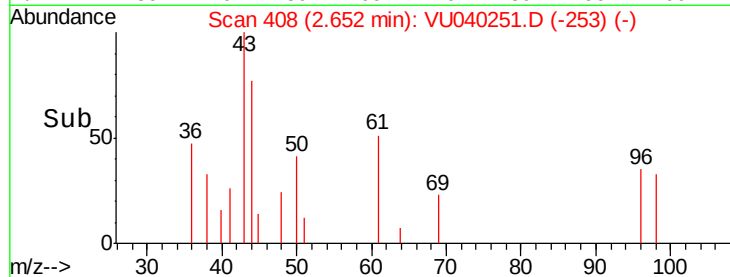
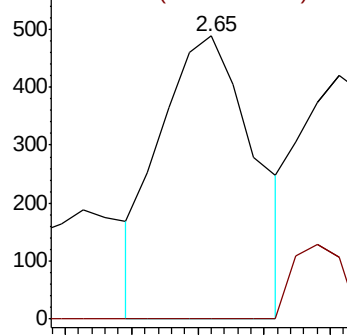
Ion Ratio Lower Upper

43 100

58 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VU040251.D (-253) (-)



#14

Carbon Disulfide

Concen: 0.034 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040251.D

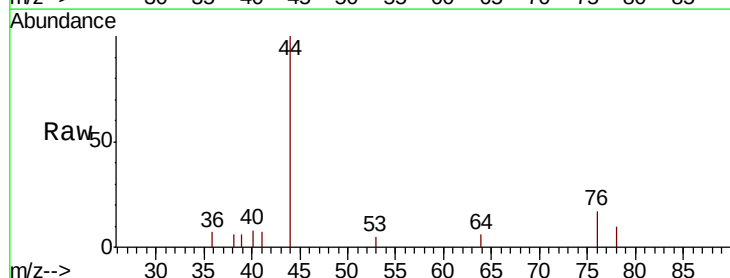
Acq: 22 Sep 2020 16:57

Tgt Ion: 76 Resp: 472

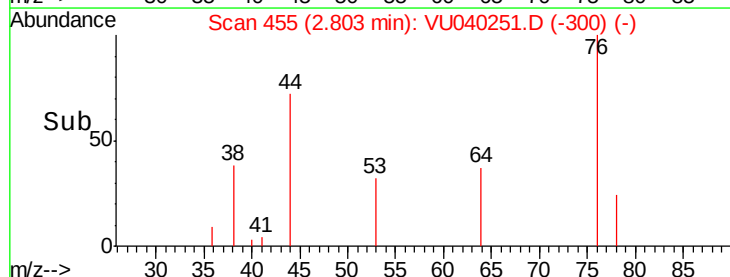
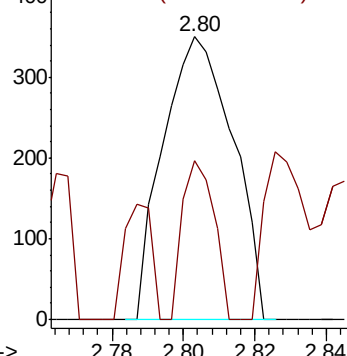
Ion Ratio Lower Upper

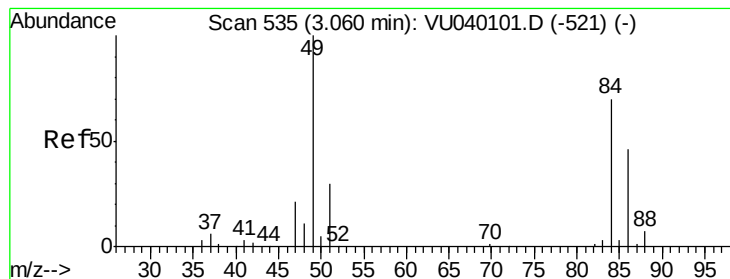
76 100

78 24.0 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VU040251.D (-300) (-)





#15

Methylene Chloride

Concen: 11.497 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

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ClientSampleId :

38022-111319

Tot Ion: 84 Resp: 152845

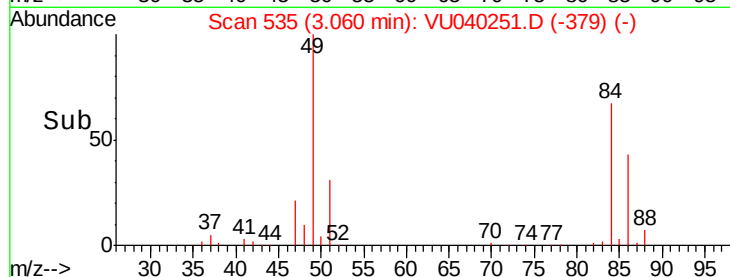
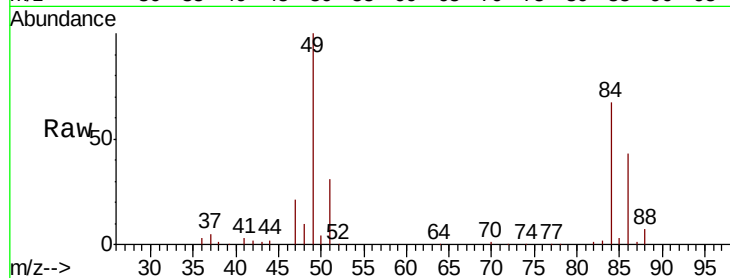
Ion Ratio Lower Upper

84 100

49 150.4 114.3 171.5

51 46.8 0.0 84.6

86 64.3 50.6 76.0

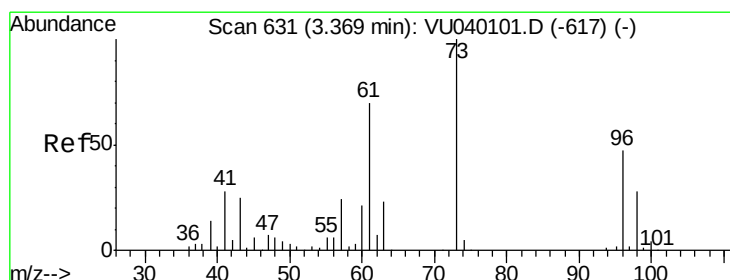
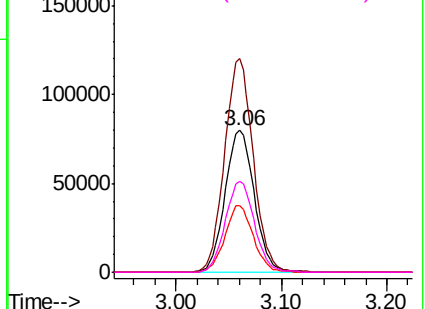


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 6.041 ug/l

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

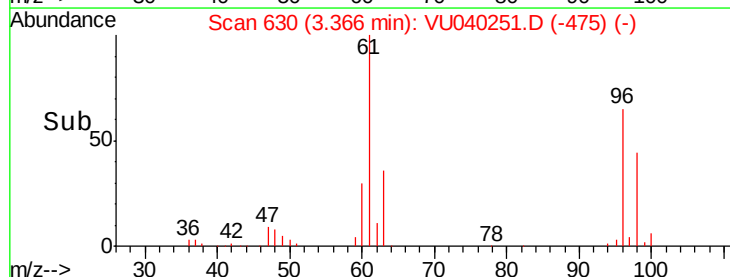
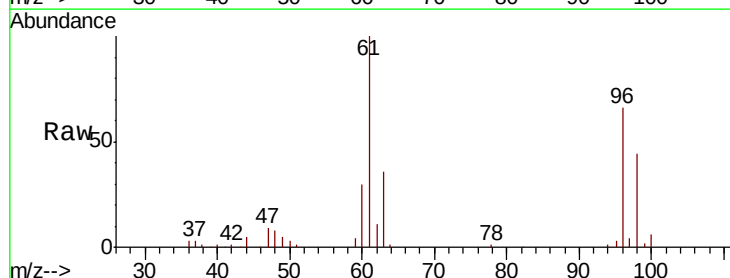
Tgt Ion: 96 Resp: 51369

Ion Ratio Lower Upper

96 100

61 151.8 121.4 182.0

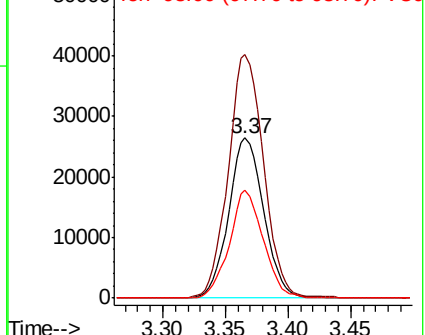
98 67.2 51.9 77.9

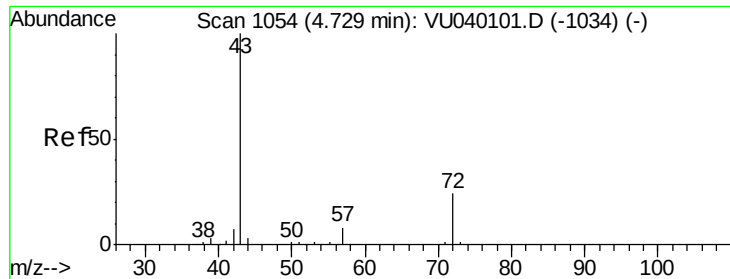


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

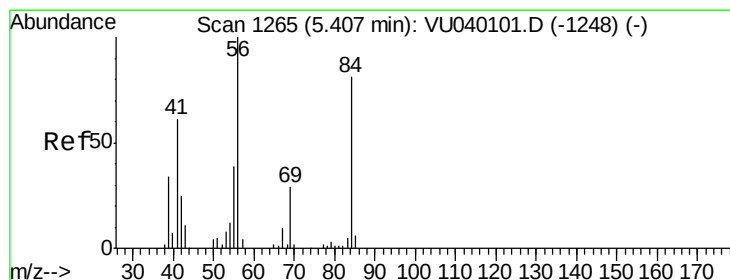
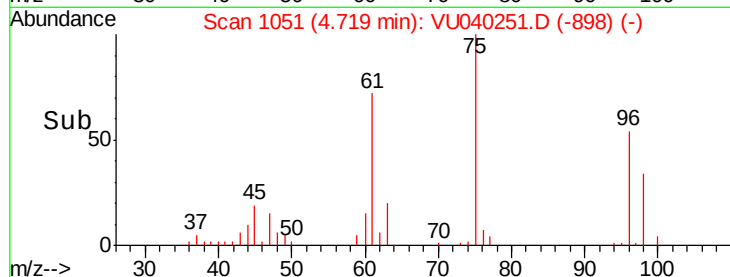
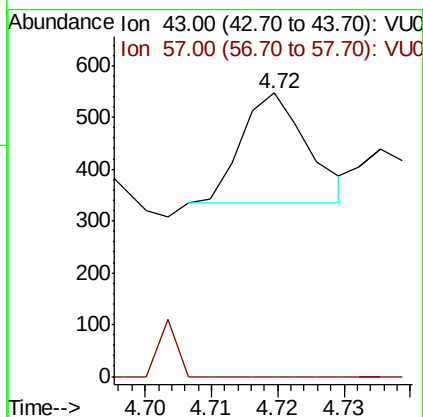
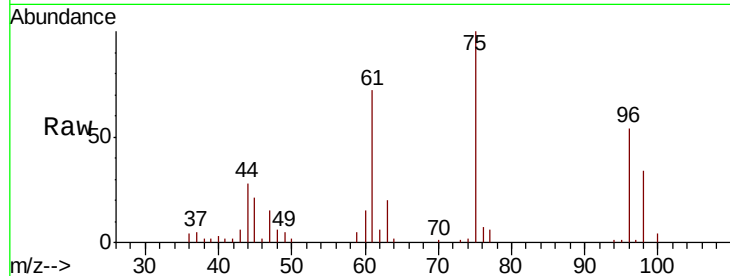




#18
2-Butanone
Concen: 0.016 ug/l
RT: 4.72 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

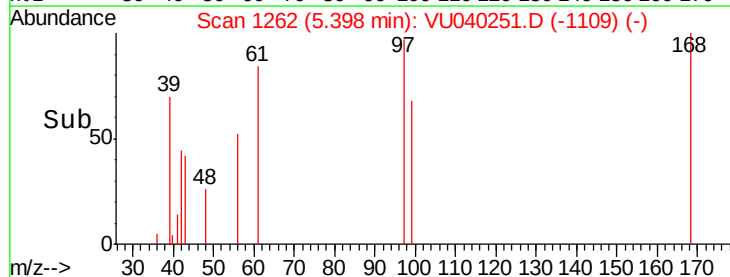
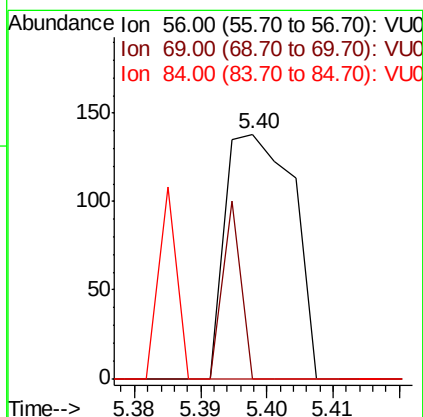
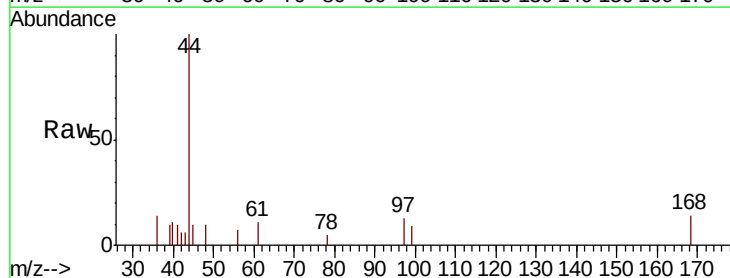
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

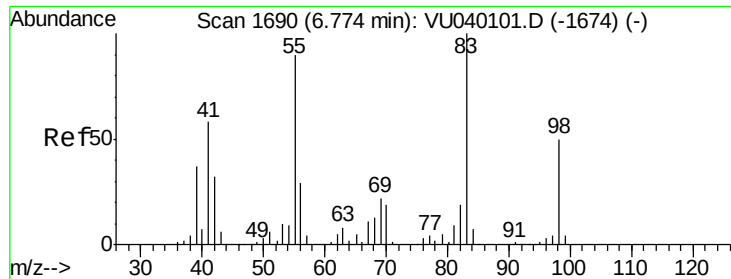
Tot Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
57 0.0 0.0 15.2



#19
Cyclohexane
Concen: 0.008 ug/l
RT: 5.40 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
69 19.4 23.5 35.3#
84 5869.4 63.8 95.6#

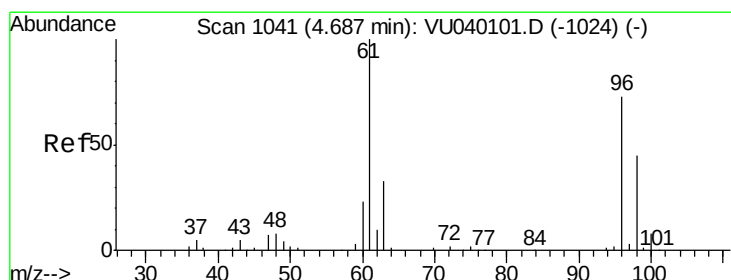
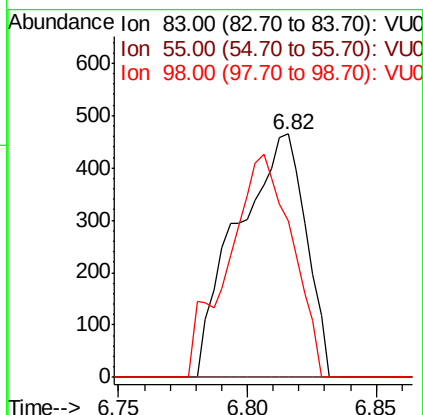
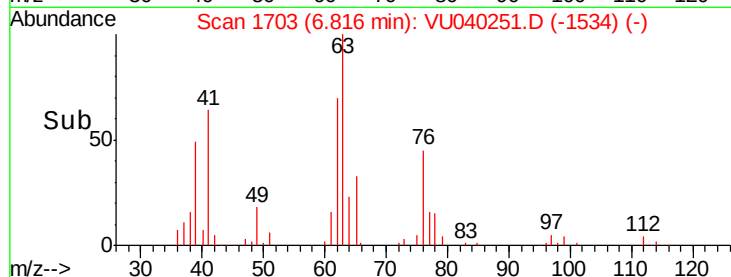
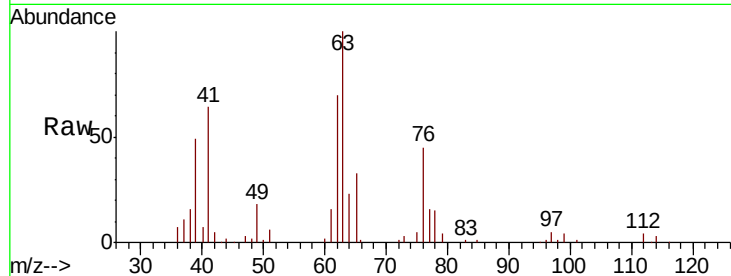




#20
Methylcyclohexane
Concen: 0.065 ug/l
RT: 6.82 min Scan# 1703
Delta R.T. 0.04 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

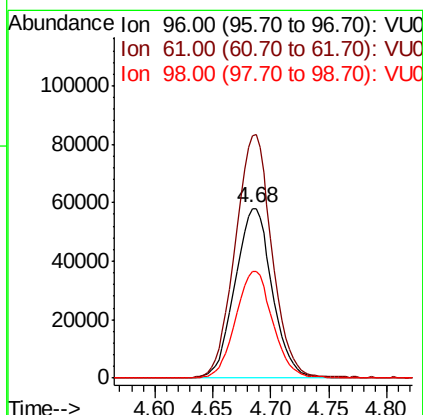
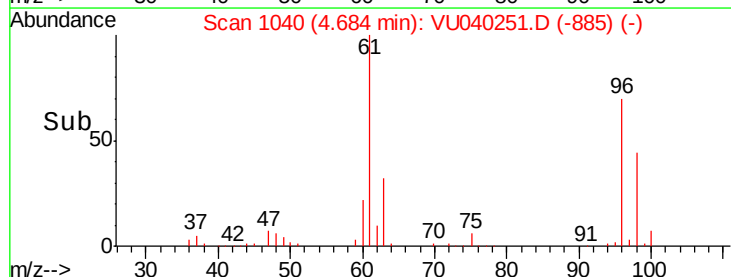
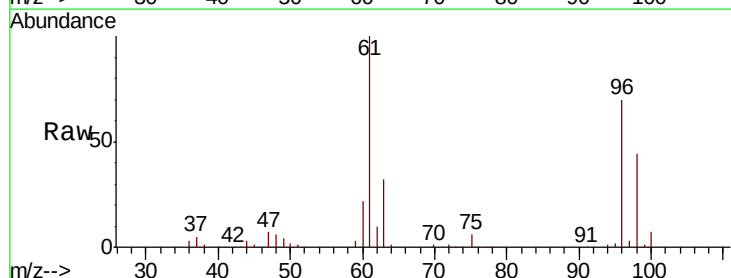
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

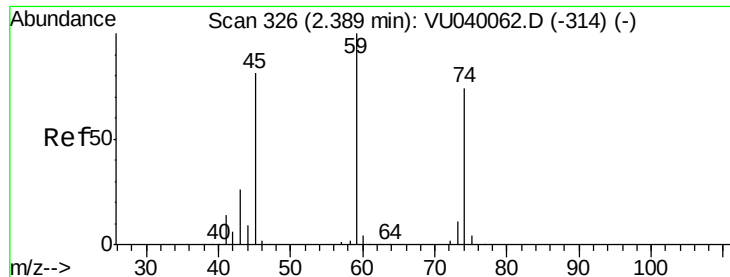
Tot Ion: 83 Resp: 859
Ion Ratio Lower Upper
83 100
55 0.0 69.4 104.2#
98 85.6 37.5 56.3#



#22
cis-1,2-Dichloroethene
Concen: 12.051 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 96 Resp: 129176
Ion Ratio Lower Upper
96 100
61 142.1 0.0 420.0
98 62.7 31.8 95.3

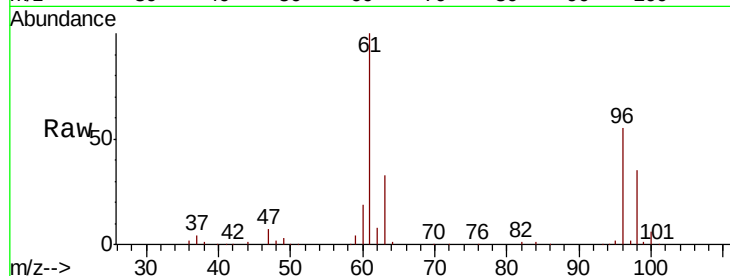




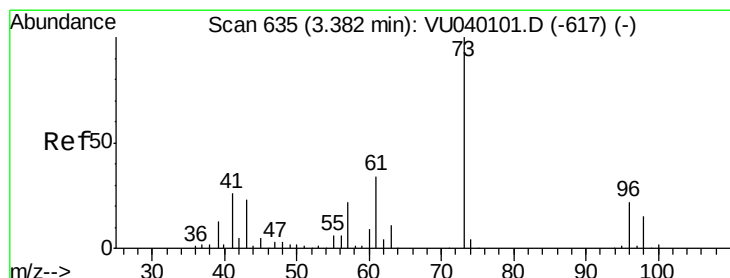
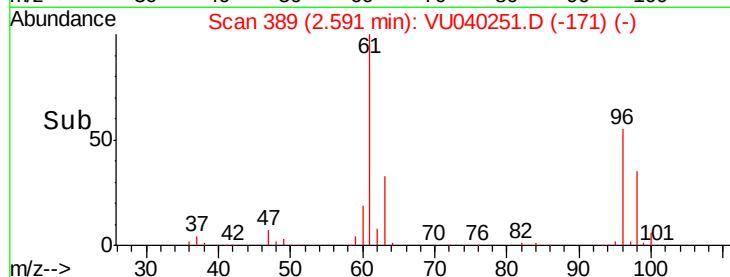
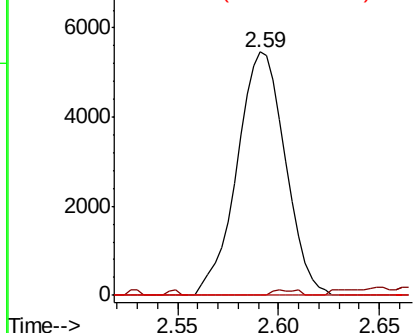
#23
Diethyl Ether
Concen: 17.907 ug/l
RT: 2.59 min Scan# 389
Delta R.T. 0.20 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Instrument :
MSVOA_V
ClientSampleId :
38022-111319

Tot Ion: 59 Resp: 9146
Ion Ratio Lower Upper
59 100
45 1.2 62.4 93.6#
74 0.0 57.7 86.5#

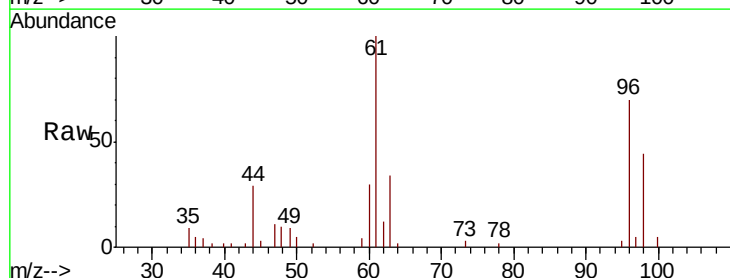


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

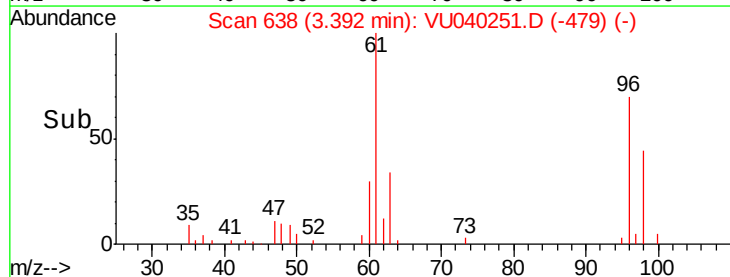
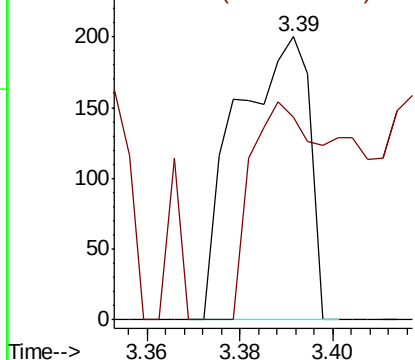


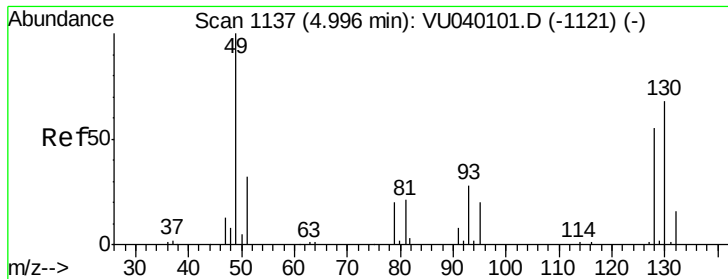
#25
Methyl tert-Butyl Ether
Concen: 0.008 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.01 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 73 Resp: 219
Ion Ratio Lower Upper
73 100
43 70.3 20.0 30.0#



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0

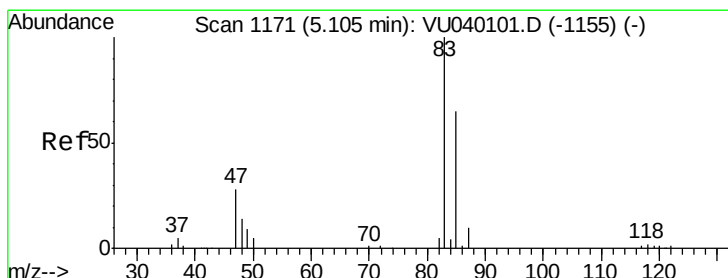
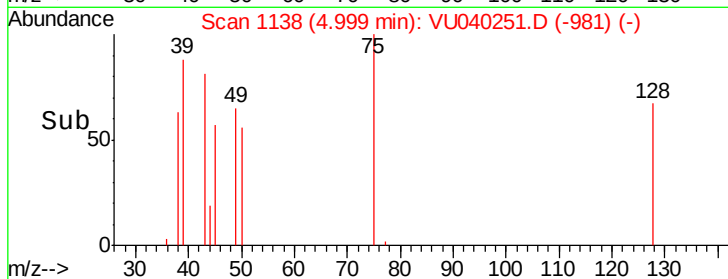
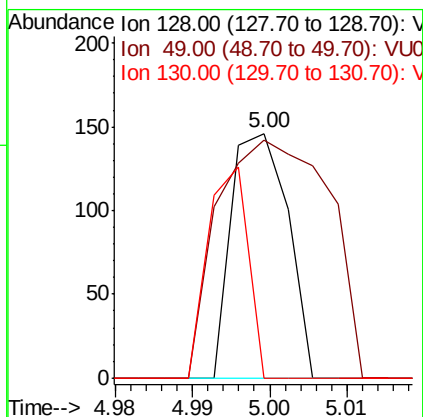
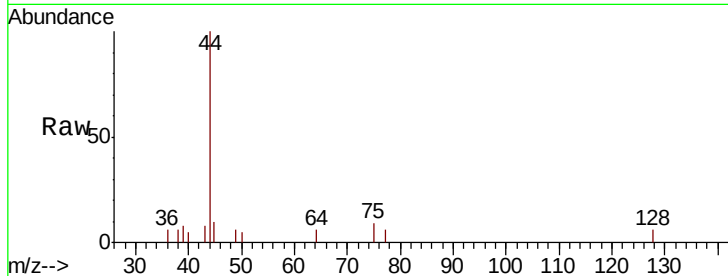




#26
Bromochloromethane
Concen: 0.014 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

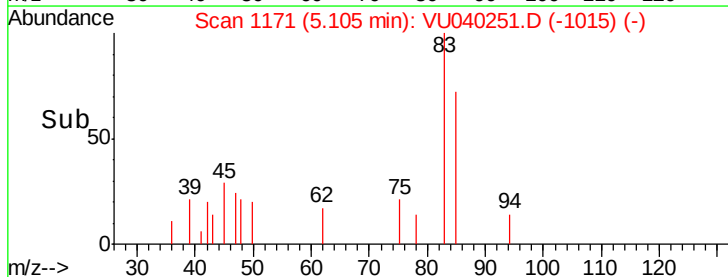
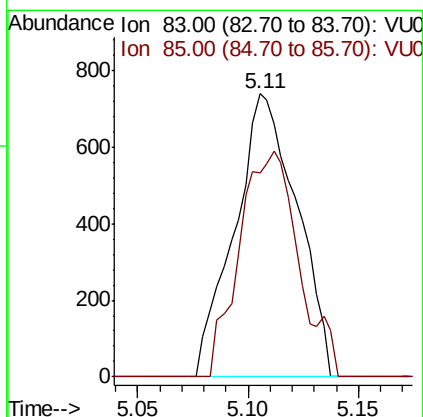
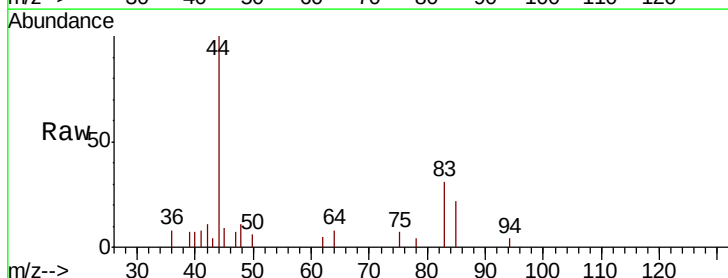
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

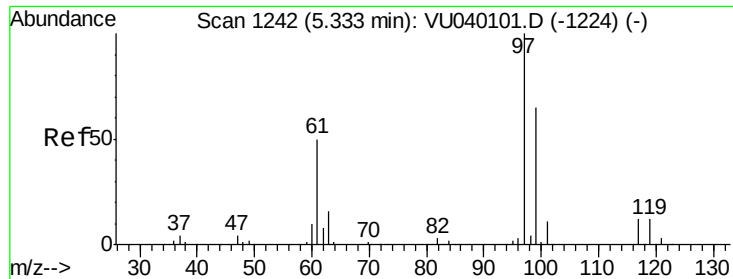
Tot Ion:128 Resp: 74
Ion Ratio Lower Upper
128 100
49 0.0 0.0 390.6
130 60.8 104.9 157.3#



#27
Chloroform
Concen: 0.063 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 83 Resp: 1448
Ion Ratio Lower Upper
83 100
85 72.1 0.0 132.4

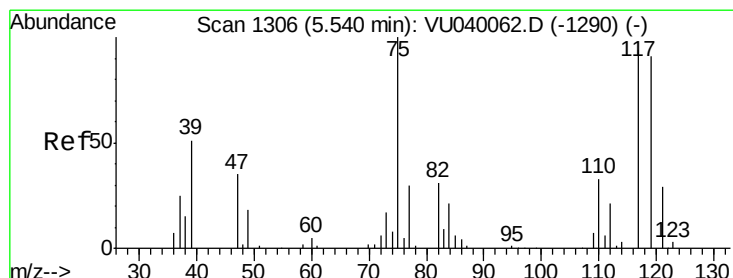
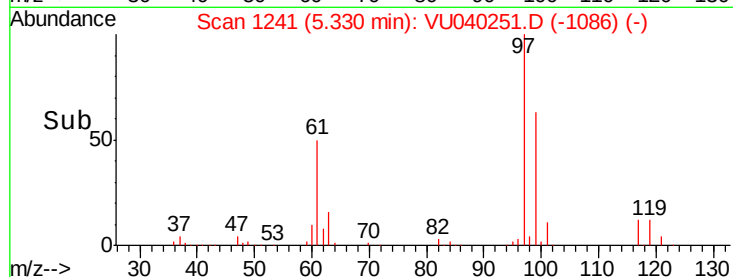
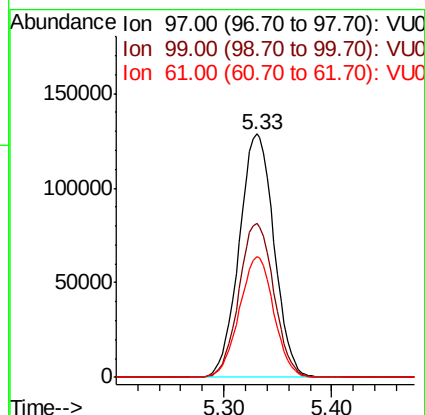
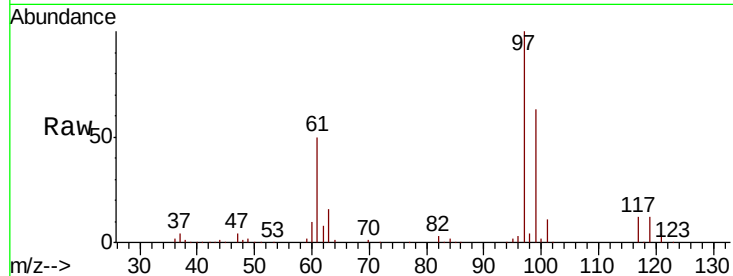




#28
 1,1,1-Trichloroethane
 Concen: 15.072 ug/l
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

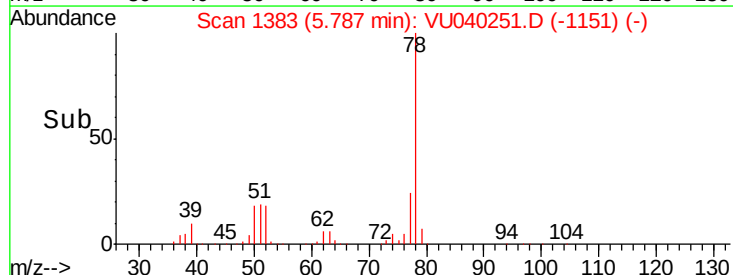
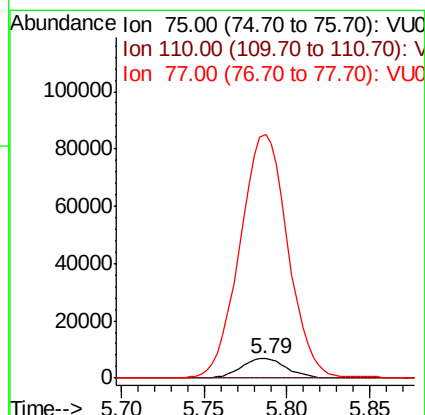
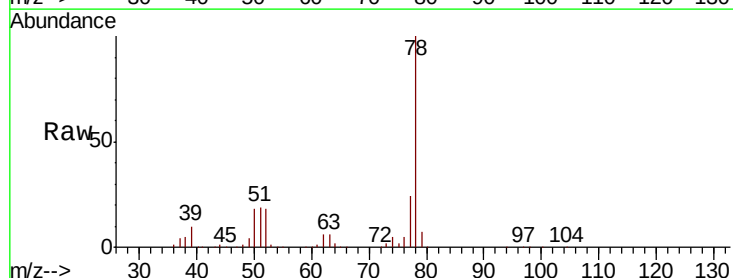
Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

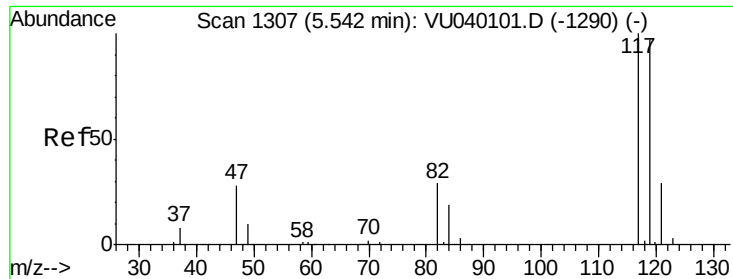
Tot Ion: 97 Resp: 289268
 Ion Ratio Lower Upper
 97 100
 99 63.4 31.8 95.4
 61 49.2 25.1 75.2



#29
 1,1-Dichloropropene
 Concen: 16.178 ug/l
 RT: 5.79 min Scan# 1383
 Delta R.T. 0.25 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion: 75 Resp: 12880
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.2 48.6#
 77 1328.9 25.3 37.9#

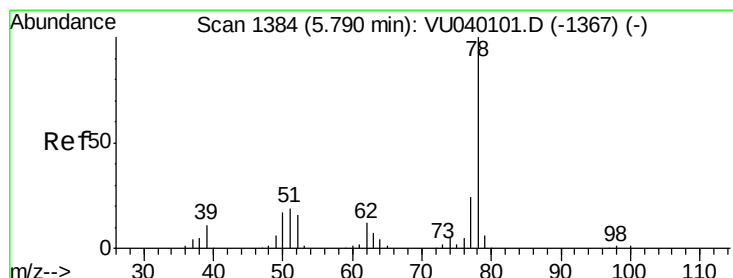
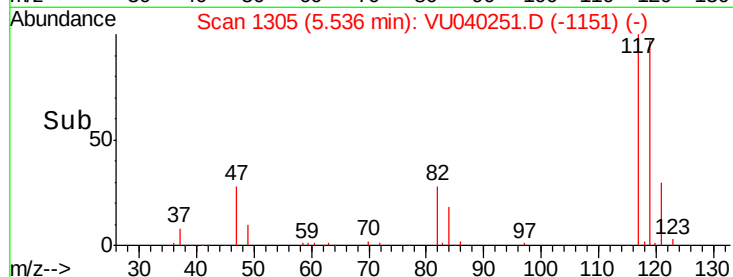
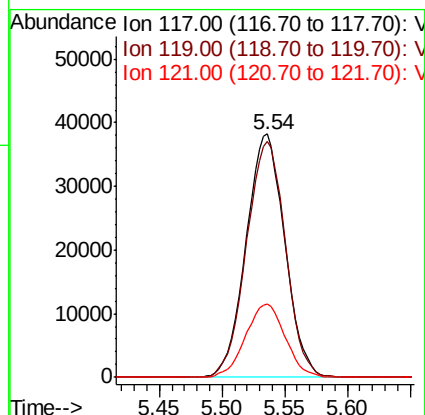
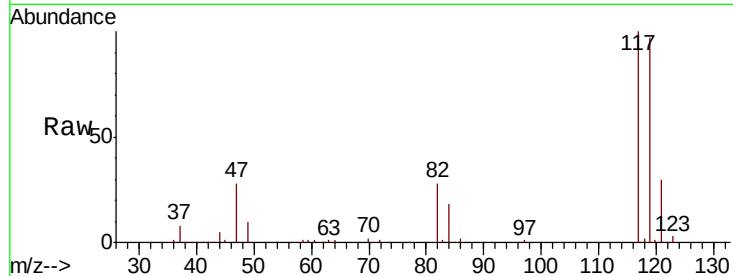




#30
Carbon Tetrachloride
Concen: 5.210 ug/l
RT: 5.54 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

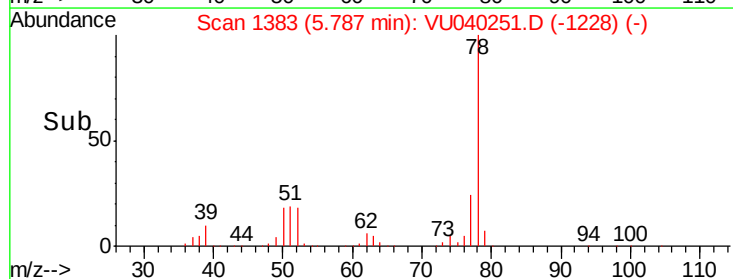
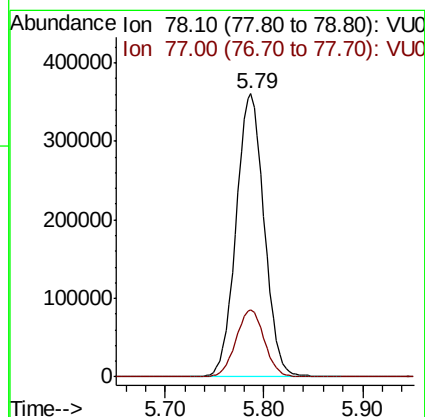
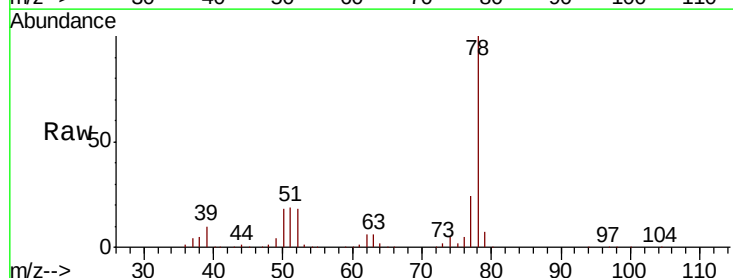
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

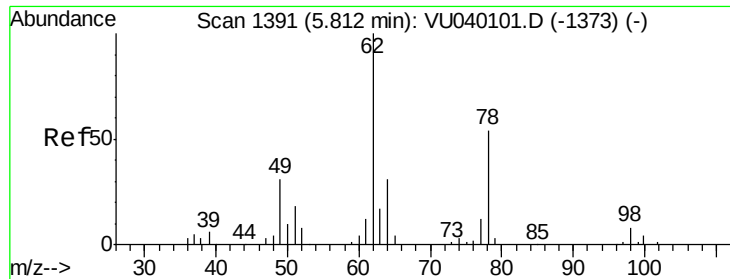
Tot Ion:117 Resp: 82138
Ion Ratio Lower Upper
117 100
119 97.1 77.0 115.4
121 29.9 24.2 36.4



#35
Benzene
Concen: 17.410 ug/l
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 78 Resp: 713366
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

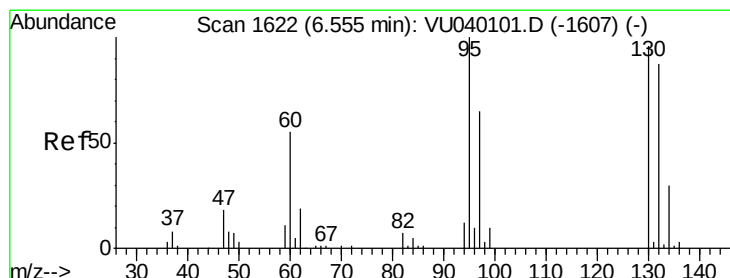
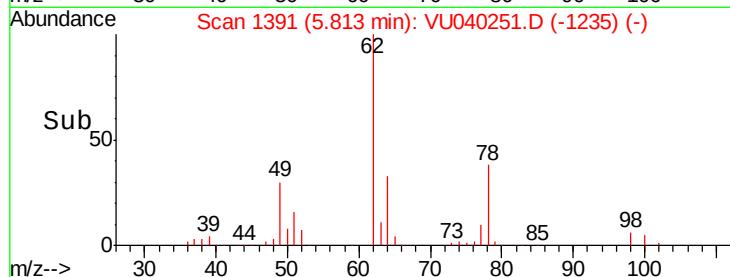
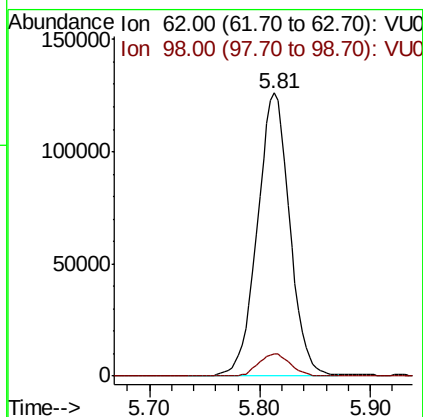
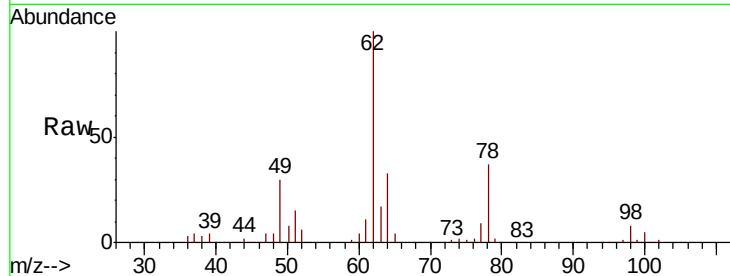




#36
 1,2-Dichloroethane
 Concen: 15.610 ug/l
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

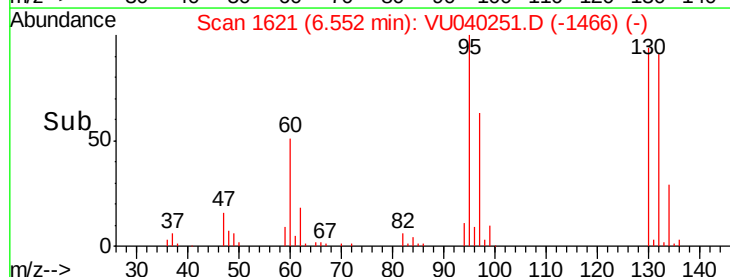
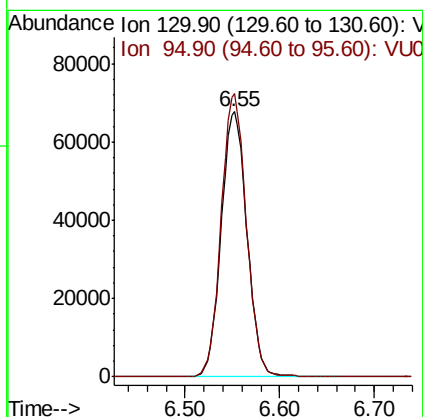
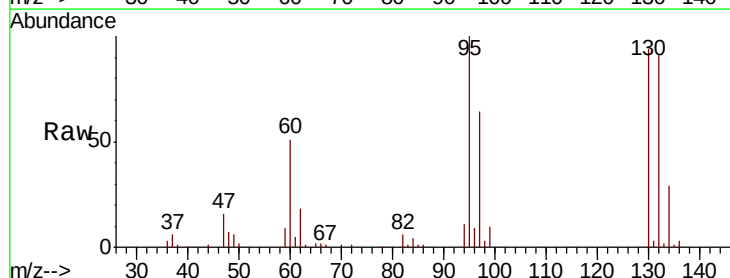
Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

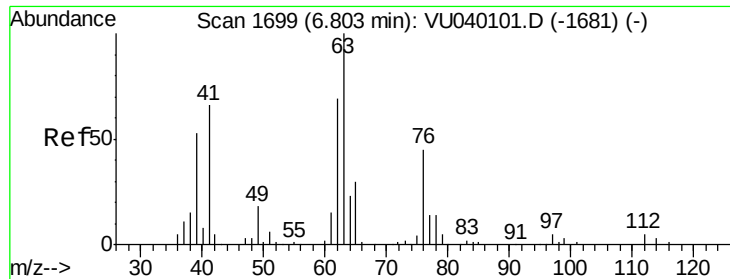
Tot Ion: 62 Resp: 257045
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.5 9.7



#37
 Trichloroethene
 Concen: 12.186 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion:130 Resp: 128259
 Ion Ratio Lower Upper
 130 100
 95 106.8 84.2 126.2

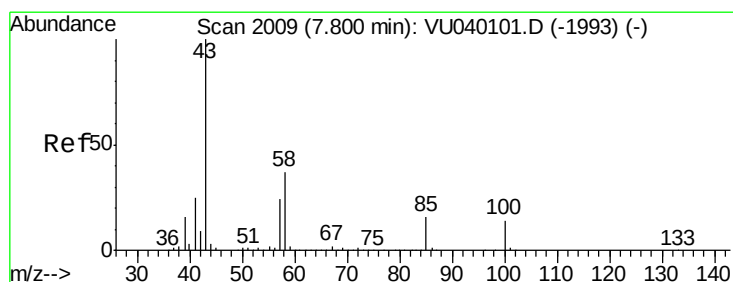
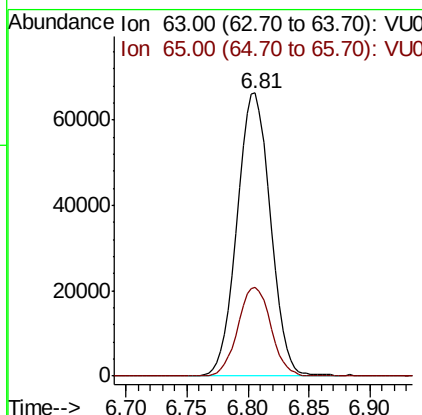
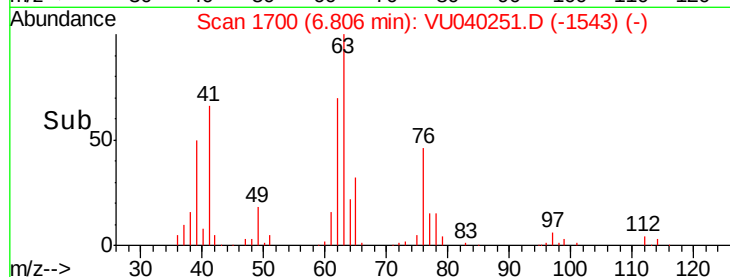
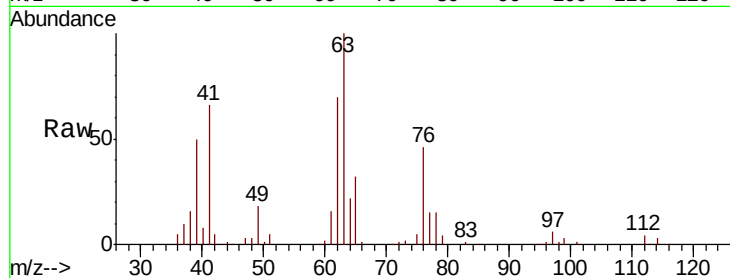




#38
 1,2-Dichloropropane
 Concen: 9.893 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

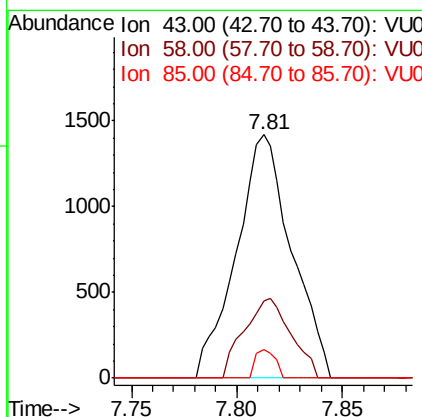
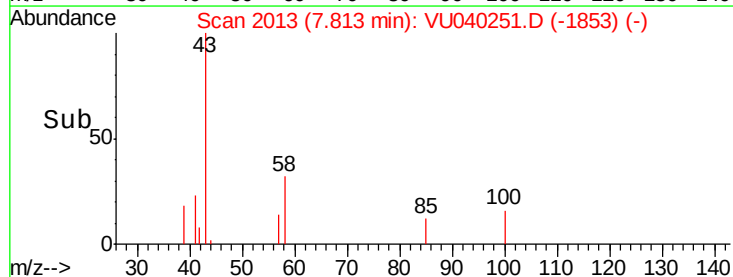
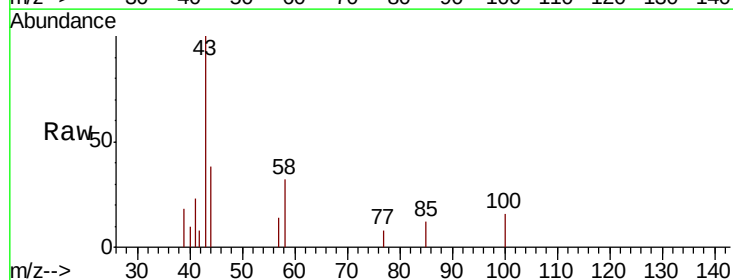
Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

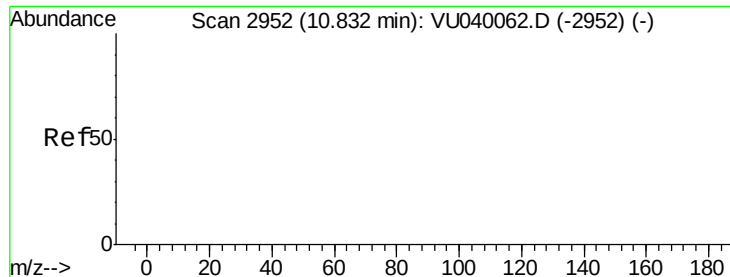
Tot Ion: 63 Resp: 125459
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.0 34.6



#45
 4-Methyl-2-Pentanone
 Concen: 0.125 ug/l
 RT: 7.81 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion: 43 Resp: 2591
 Ion Ratio Lower Upper
 43 100
 58 27.7 18.1 54.3
 85 0.0 12.3 18.5#

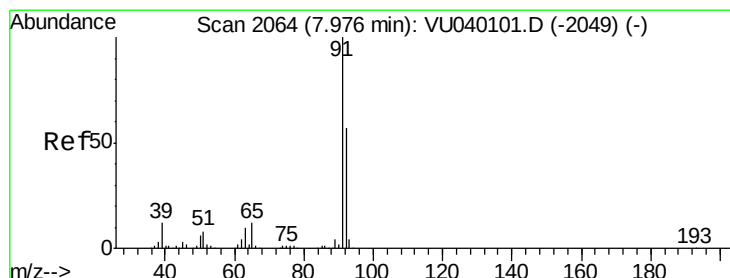
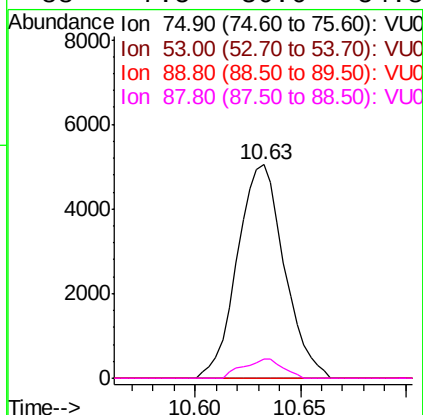
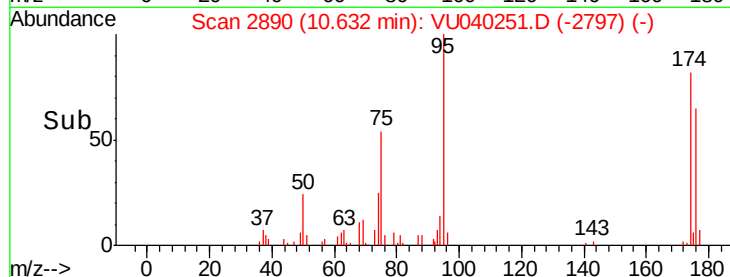
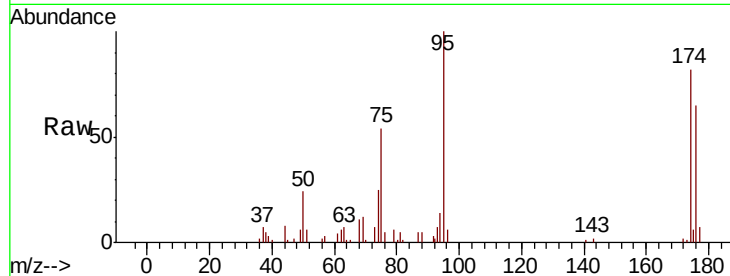




#46
t-1,4-Dichloro-2-butene
Concen: 1.567 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.20 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

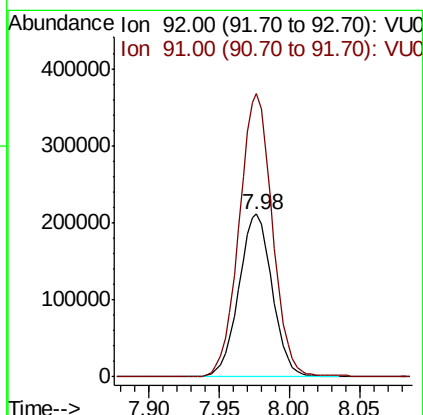
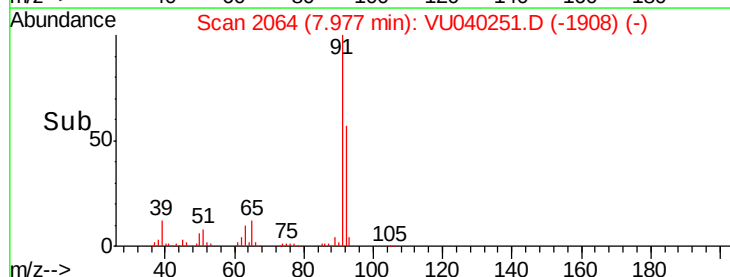
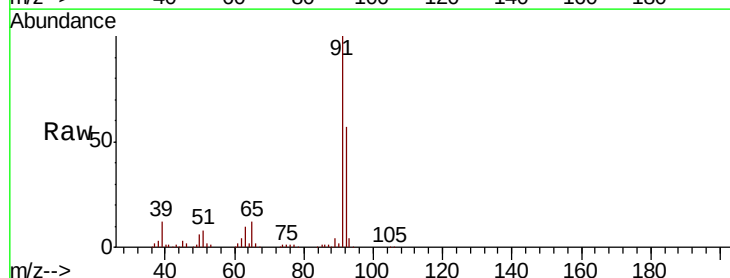
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

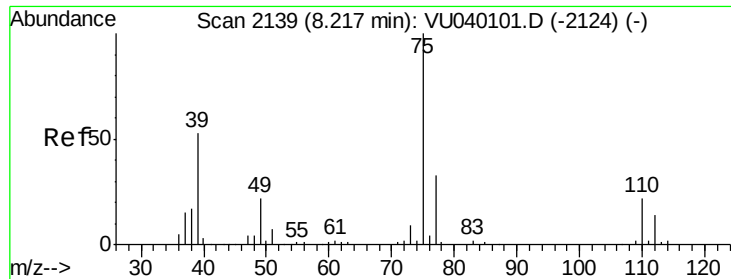
Tot Ion:	75	Resp:	7801
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.0	112.6#
89	0.0	41.6	62.4#
88	7.5	36.6	54.8#



#49
Toluene
Concen: 13.516 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion:	92	Resp:	351253
Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8

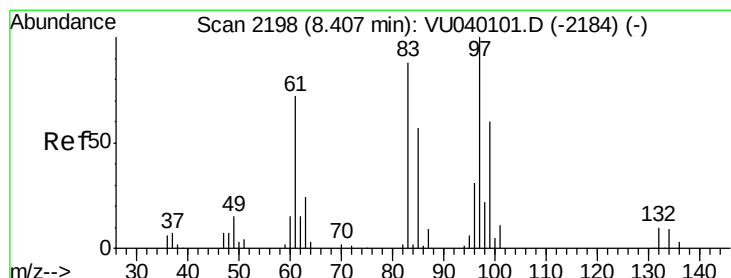
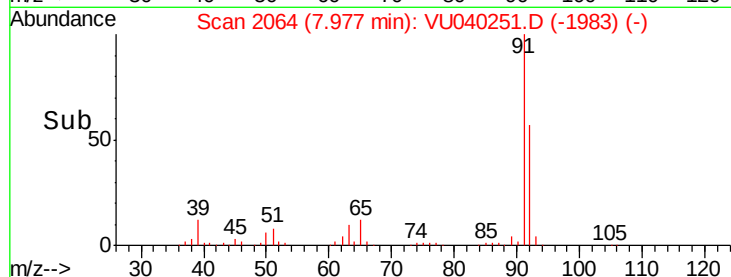
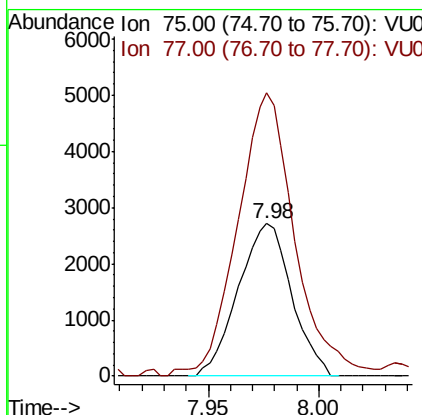
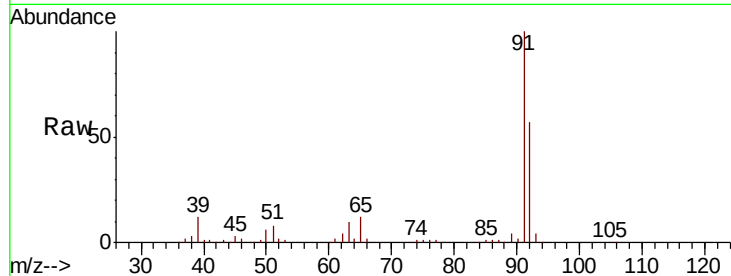




#50
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. -0.24 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

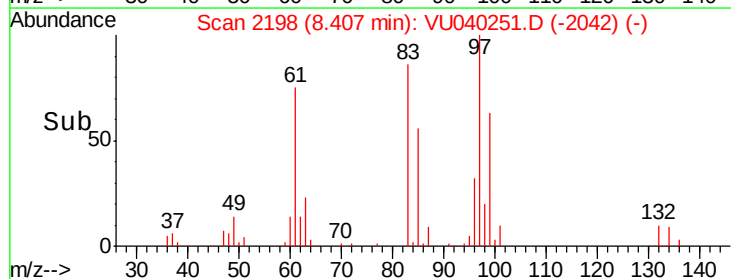
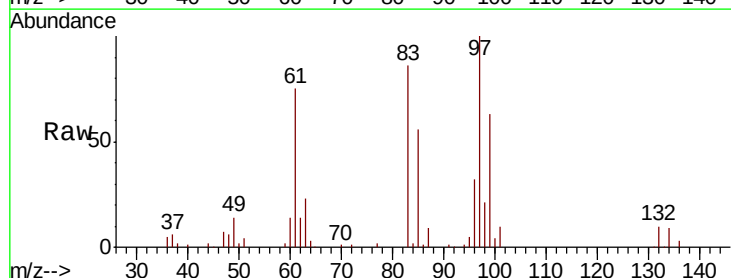
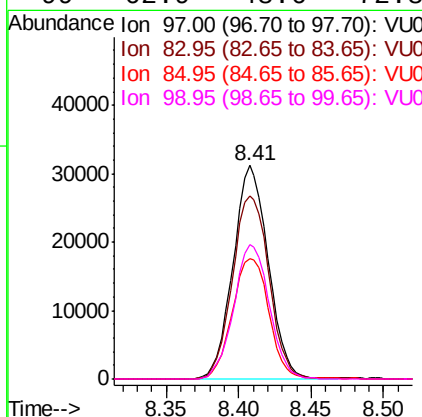
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

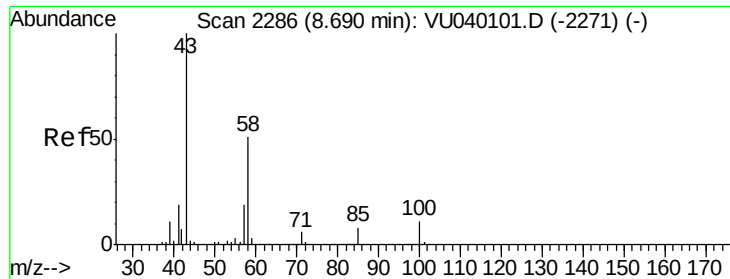
Tot Ion: 75 Resp: 4569
Ion Ratio Lower Upper
75 100
77 181.2 24.4 36.6#



#52
1,1,2-Trichloroethane
Concen: 5.220 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 97 Resp: 52591
Ion Ratio Lower Upper
97 100
83 85.9 68.7 103.1
85 56.4 46.7 70.1
99 62.9 48.6 72.8

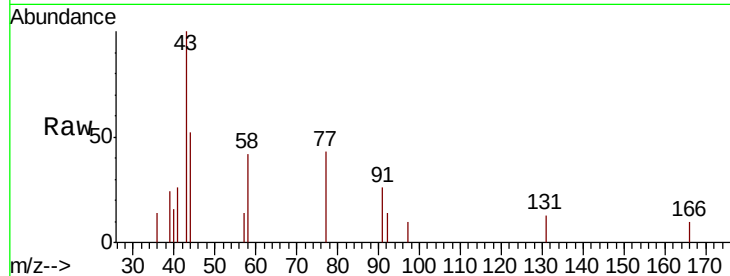




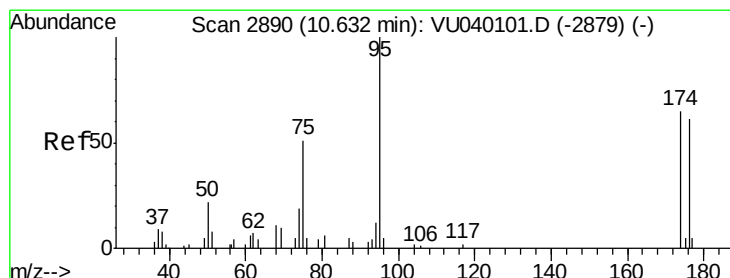
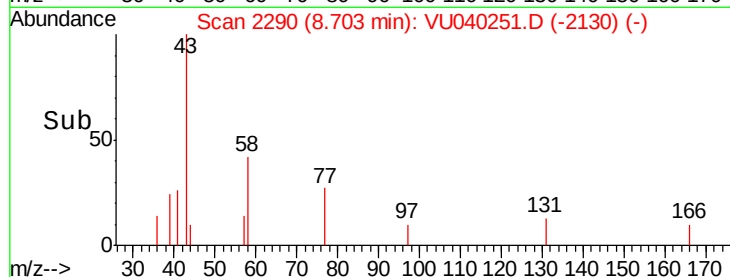
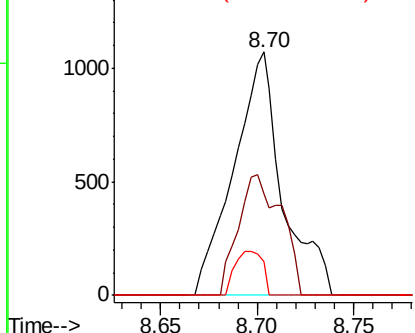
#54
2-Hexanone
Concen: 0.129 ug/l
RT: 8.70 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Instrument :
MSVOA_V
ClientSampleId :
38022-111319

Tot Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 43.4 29.6 69.6
57 10.0 0.0 37.8

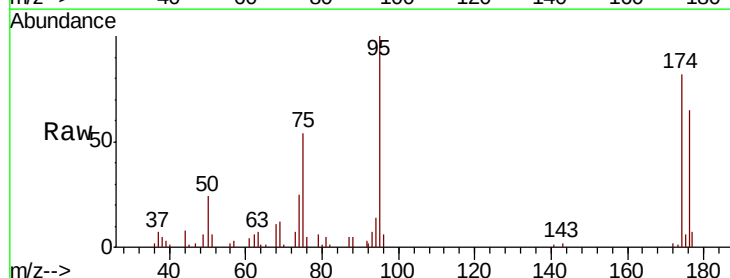


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

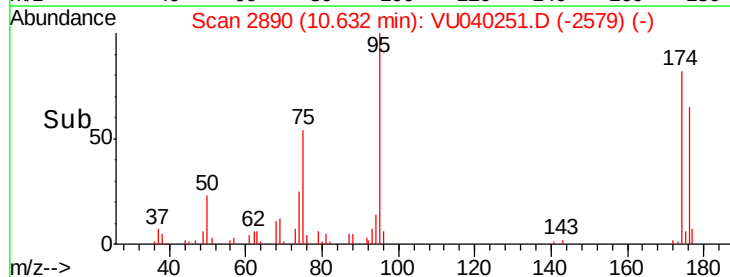
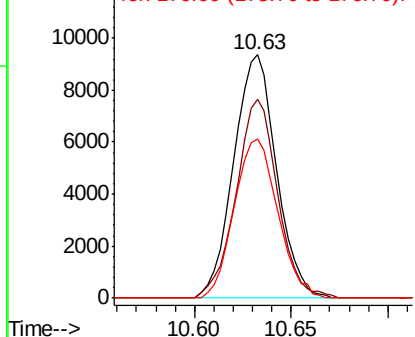


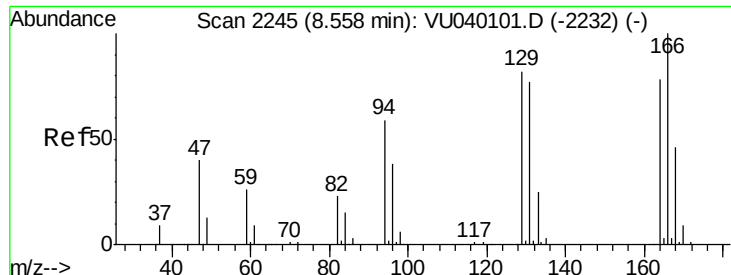
#57
4-Bromofluorobenzene
Concen: 0.844 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 95 Resp: 14383
Ion Ratio Lower Upper
95 100
174 79.3 49.4 74.0#
176 66.5 50.1 75.1



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#58

Tetrachloroethene

Concen: 15.835 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

38022-111319

Tot Ion:164 Resp: 123892

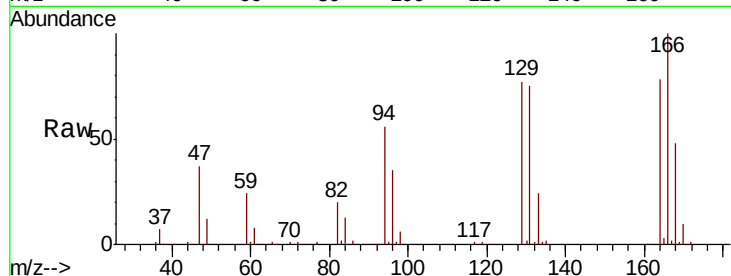
Ion Ratio Lower Upper

164 100

166 128.7 101.3 151.9

129 99.4 84.8 127.2

131 96.2 81.8 122.6



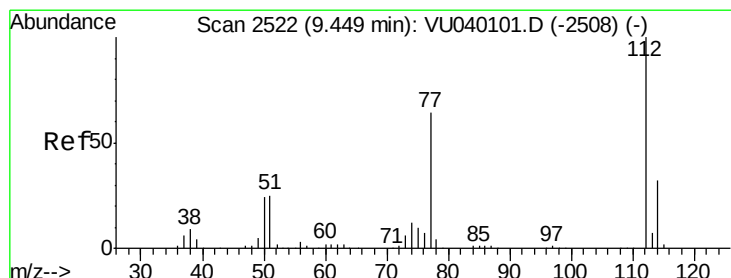
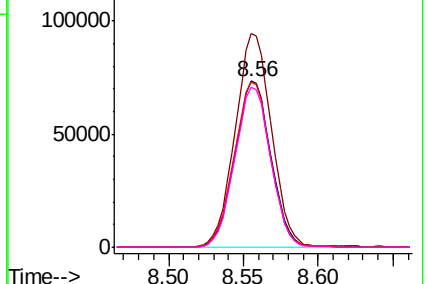
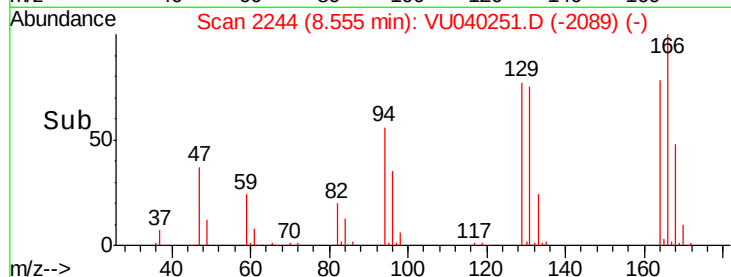
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 10.835 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040251.D

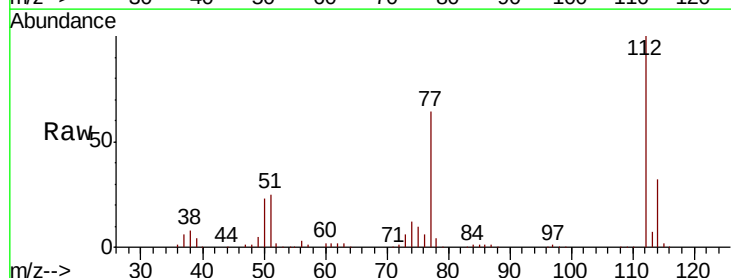
Acq: 22 Sep 2020 16:57

Tgt Ion:112 Resp: 331086

Ion Ratio Lower Upper

112 100

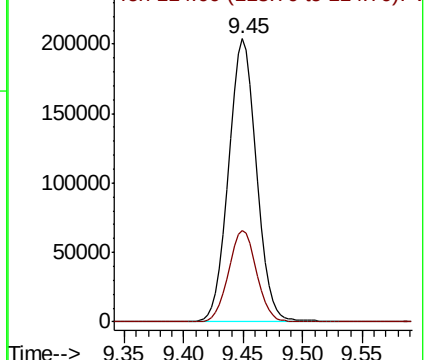
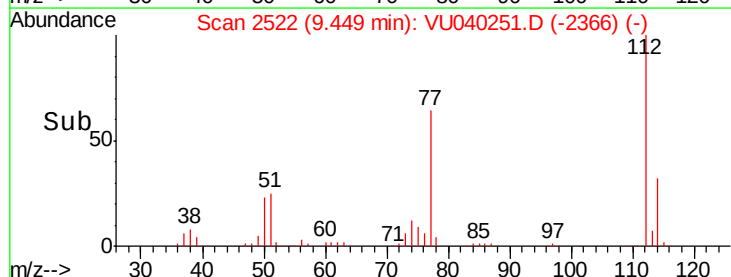
114 32.4 24.8 37.2

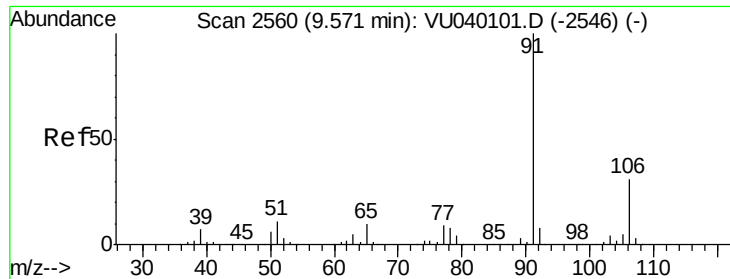


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

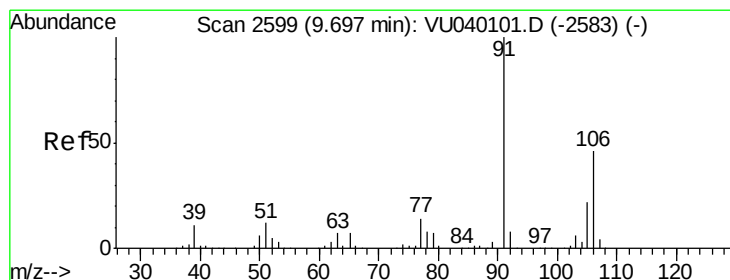
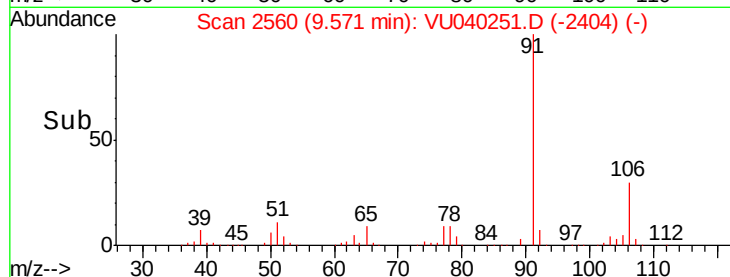
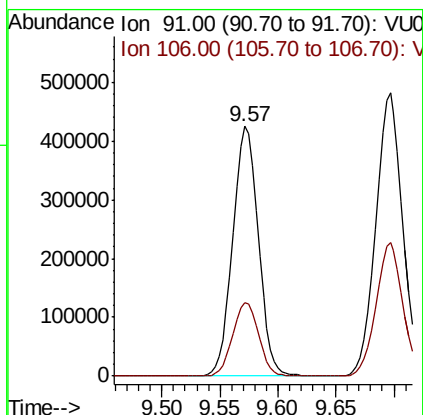
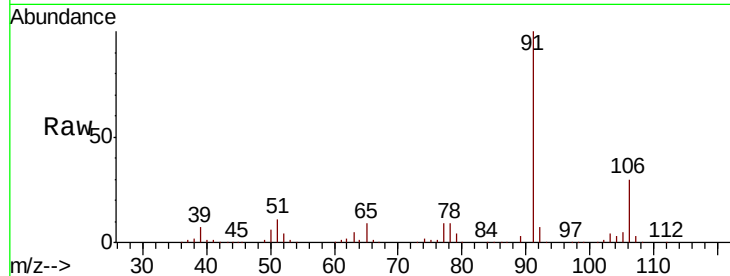




#63
Ethyl Benzene
Concen: 12.809 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

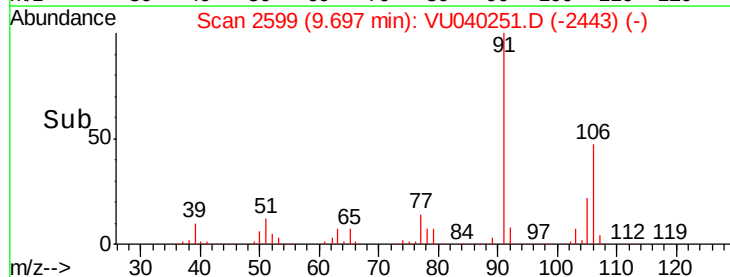
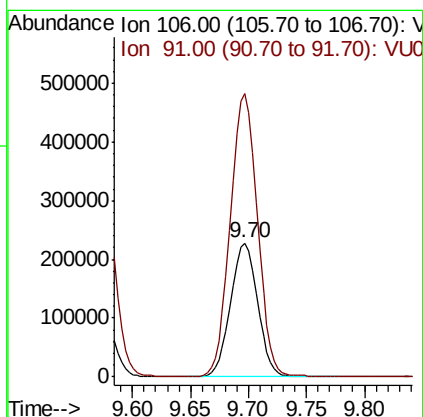
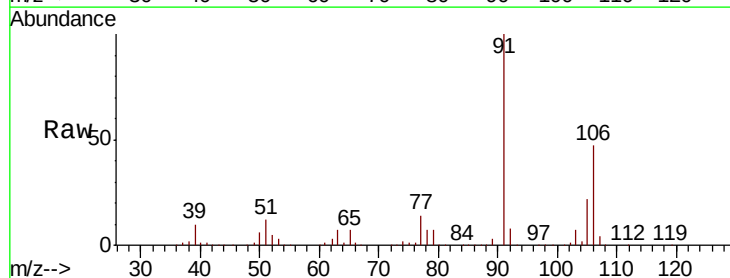
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

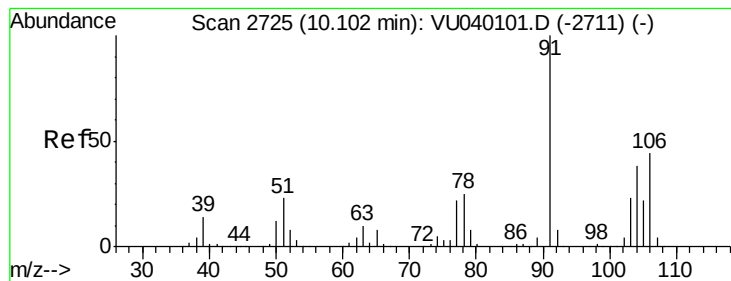
Tot Ion: 91 Resp: 649942
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8



#64
m/p-Xylenes
Concen: 38.042 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion: 106 Resp: 366637
Ion Ratio Lower Upper
106 100
91 212.0 171.4 257.2





#65

o-Xylene

Concen: 7.318 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

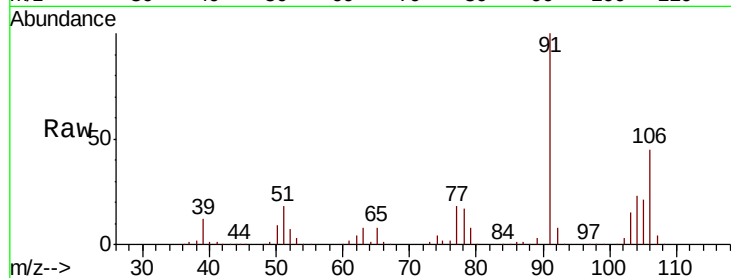
38022-111319

Tot Ion:106 Resp: 135317

Ion Ratio Lower Upper

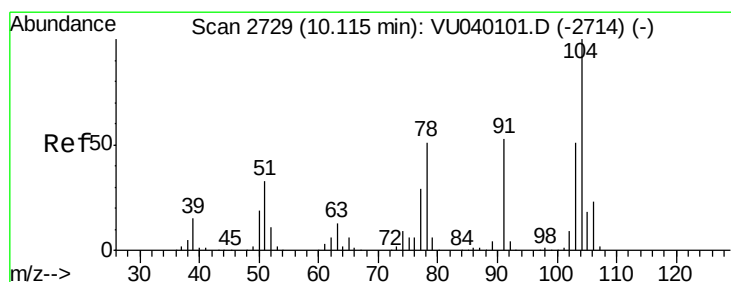
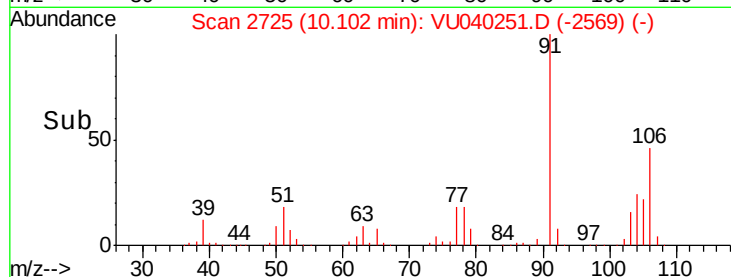
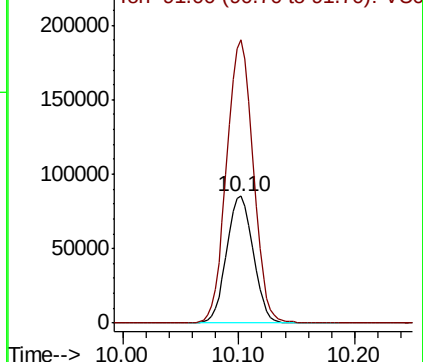
106 100

91 223.0 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 4.174 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

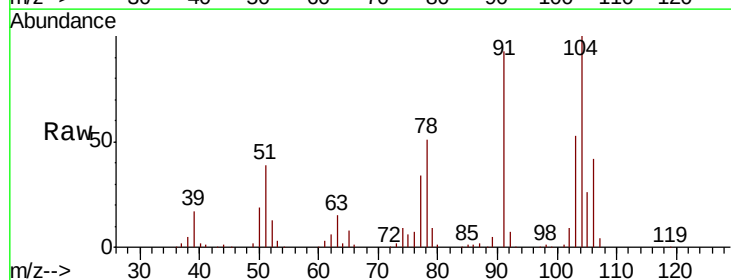
Tgt Ion:104 Resp: 137769

Ion Ratio Lower Upper

104 100

78 59.1 43.9 65.9

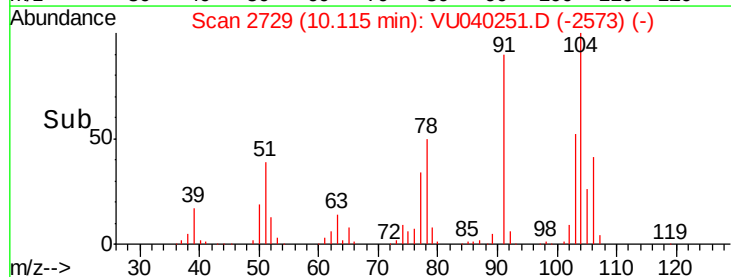
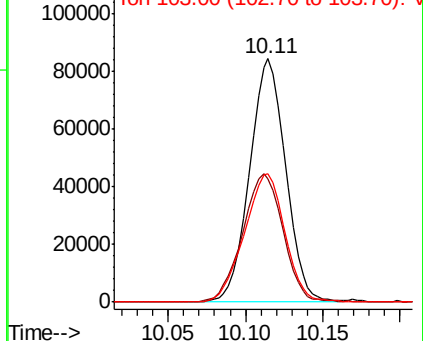
103 58.9 43.7 65.5

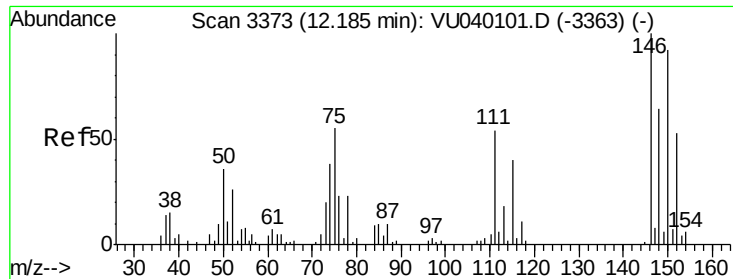


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#68

1,2-Dichlorobenzene-d4

Concen: 0.974 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

38022-111319

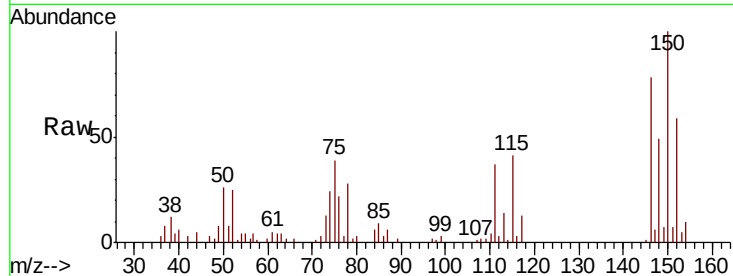
Tot Ion:152 Resp: 14913

Ion Ratio Lower Upper

152 100

115 70.4 0.0 309.0

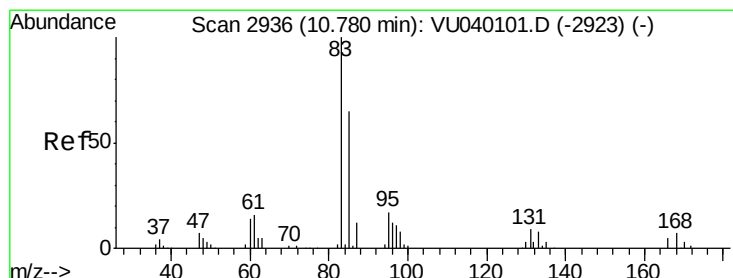
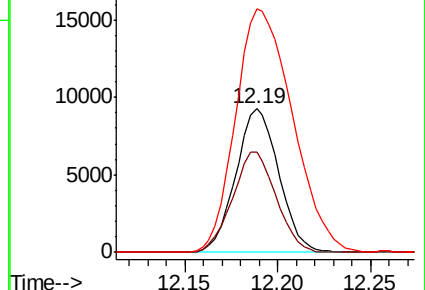
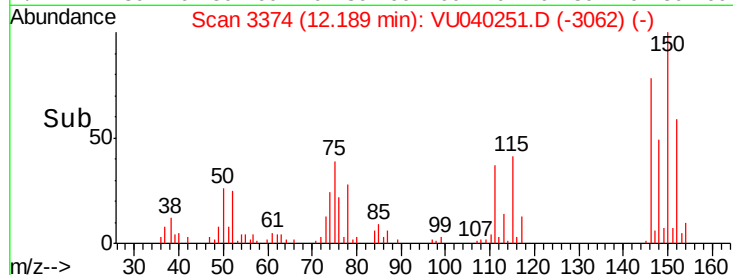
150 224.3 0.0 658.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.011 ug/l

RT: 10.79 min Scan# 2938

Delta R.T. 0.01 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

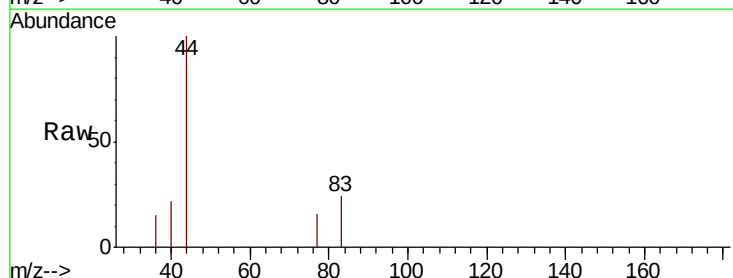
Tgt Ion: 83 Resp: 138

Ion Ratio Lower Upper

83 100

131 0.0 7.5 11.3#

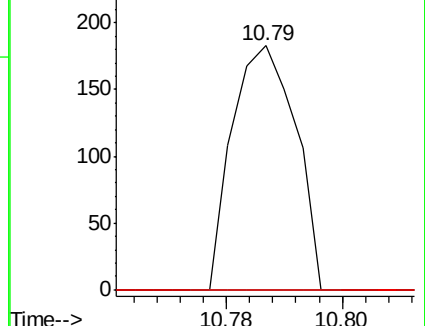
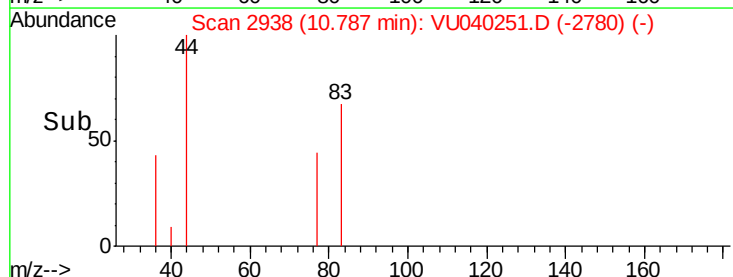
85 0.0 49.7 74.5#

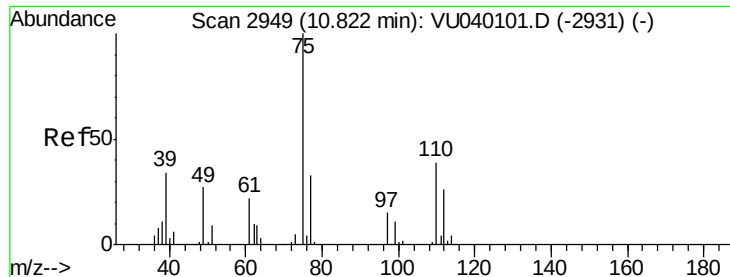


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

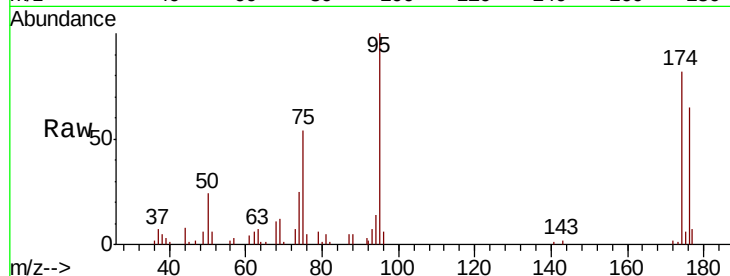




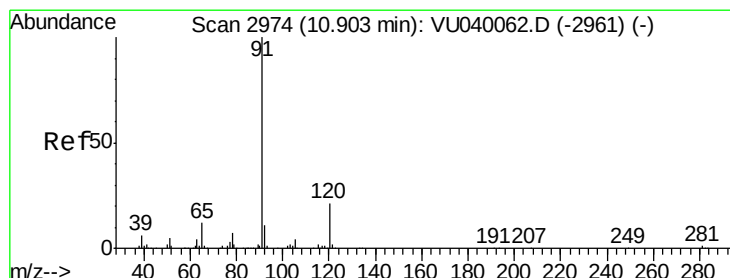
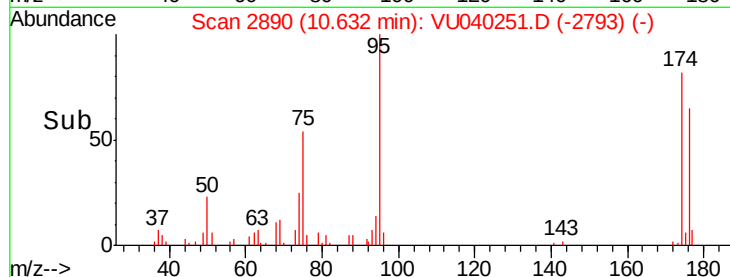
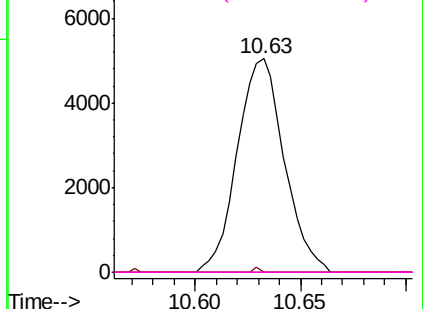
#71
 1,2,3-Trichloropropane
 Concen: 0.778 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.19 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

Tot Ion:	75	Resp:	7801
Ion	Ratio	Lower	Upper
75	100		
77	0.3	0.0	111.4
110	0.0	0.0	70.8
97	0.0	0.0	36.0

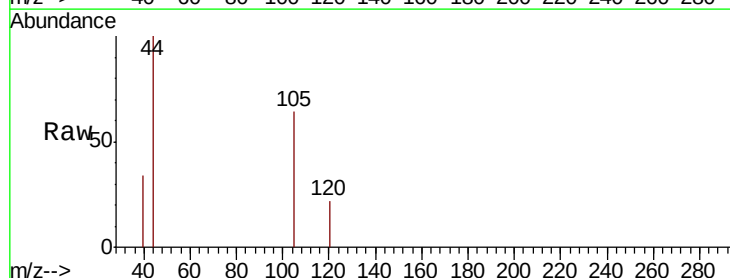


Abundance Ion 75.00 (74.70 to 75.70): VU040251.D (-2793) (-)
 Ion 77.00 (76.70 to 77.70): VU040251.D (-2793) (-)
 Ion 110.00 (109.70 to 110.70): VU040251.D (-2793) (-)
 Ion 97.00 (96.70 to 97.70): VU040251.D (-2793) (-)

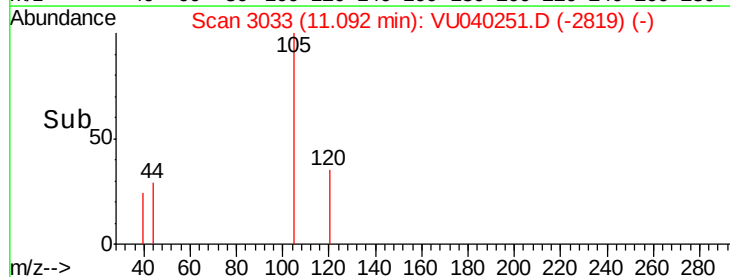
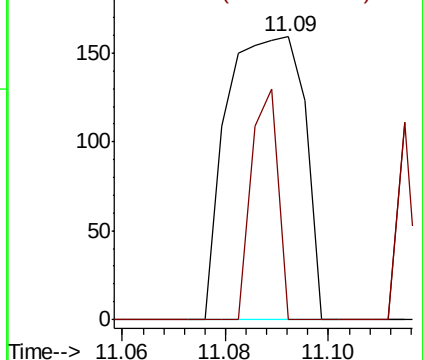


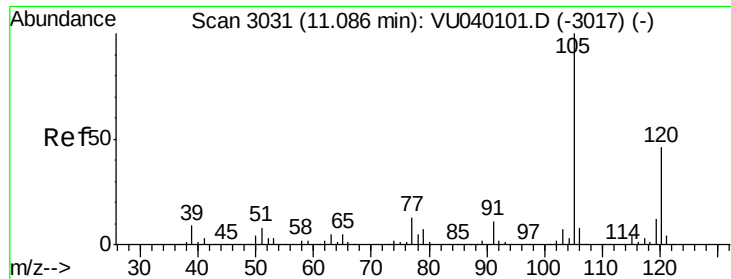
#73
 n-propylbenzene
 Concen: 0.008 ug/l
 RT: 11.09 min Scan# 3033
 Delta R.T. 0.19 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion:	120	Resp:	164
Ion	Ratio	Lower	Upper
120	100		
91	28.0	380.4	570.6#



Abundance Ion 120.00 (119.70 to 120.70): VU040251.D (-2819) (-)
 Ion 91.00 (90.70 to 91.70): VU040251.D (-2819) (-)





#75

1,3,5-Trimethylbenzene

Concen: 0.014 ug/l

RT: 11.09 min Scan# 3032

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

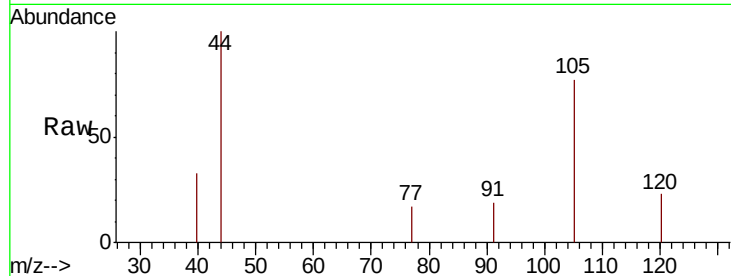
38022-111319

Tot Ion:105 Resp: 630

Ion Ratio Lower Upper

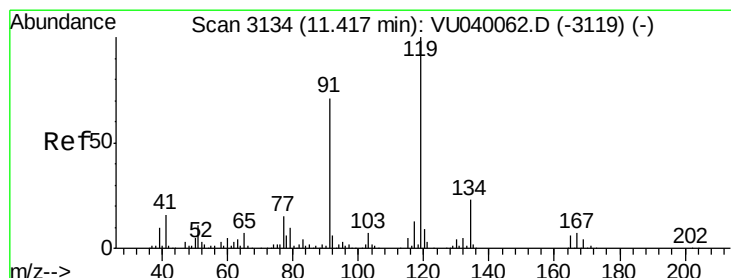
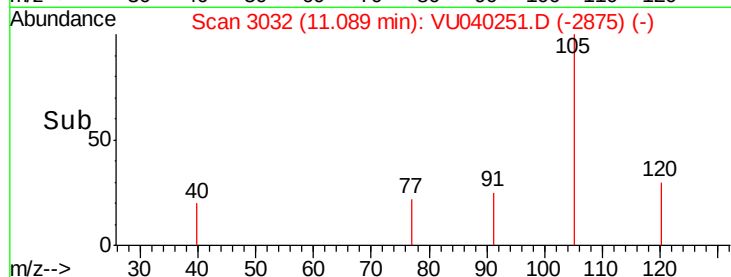
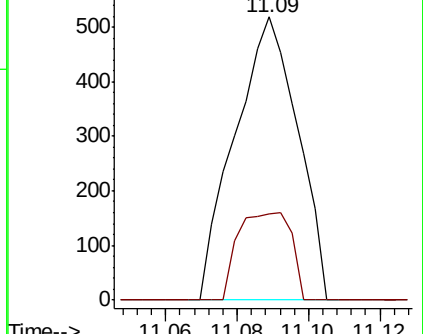
105 100

120 26.0 36.6 55.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

tert-Butylbenzene

Concen: 0.008 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

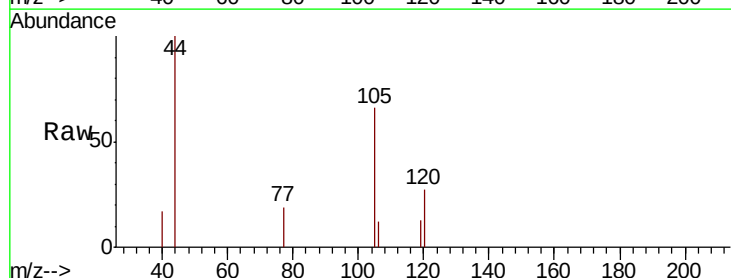
Tgt Ion:119 Resp: 43

Ion Ratio Lower Upper

119 100

91 0.0 34.2 102.5#

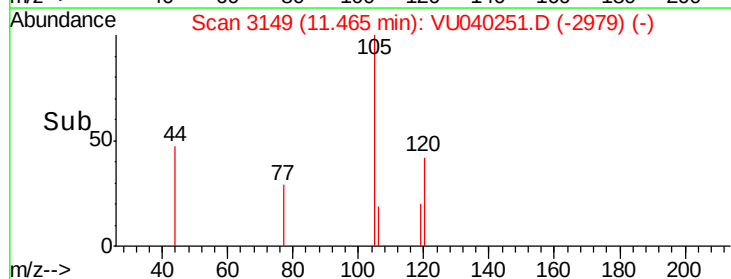
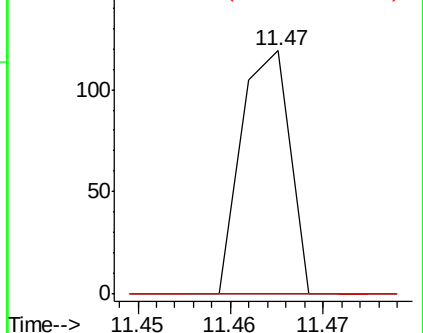
134 0.0 18.2 27.4#

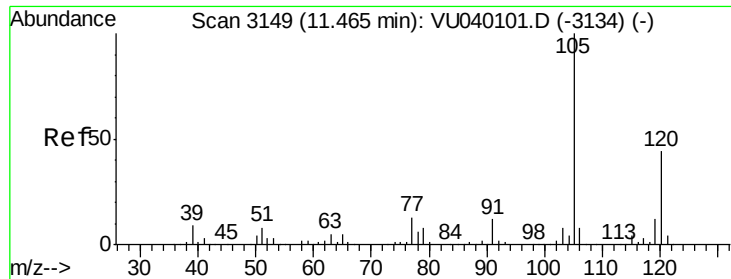


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

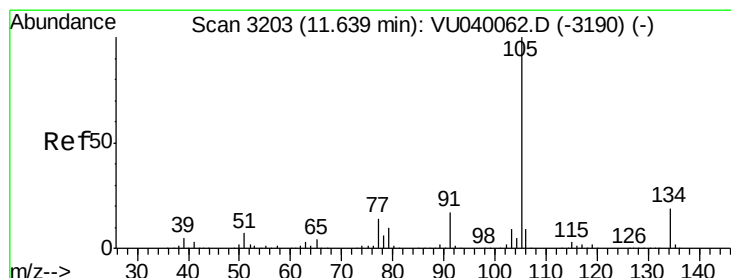
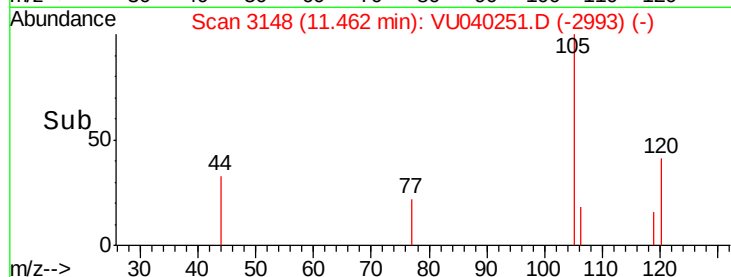
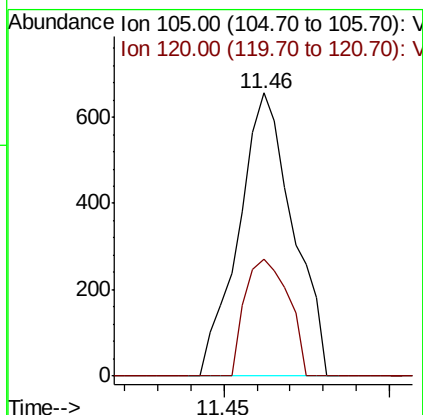
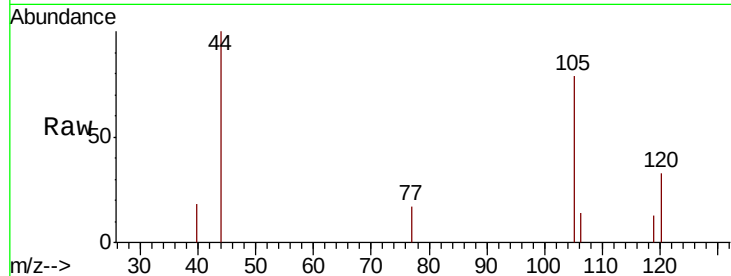




#78
1,2,4-Trimethylbenzene
Concen: 0.017 ug/l
RT: 11.46 min Scan# 3148
Delta R.T. -0.00 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

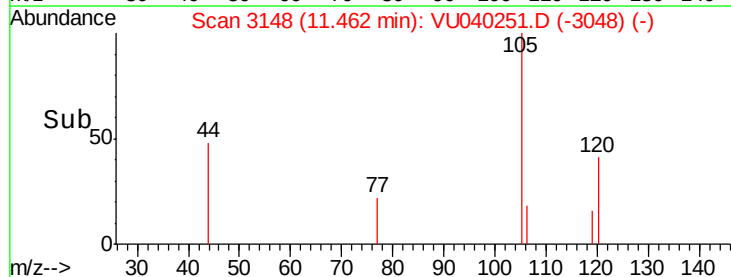
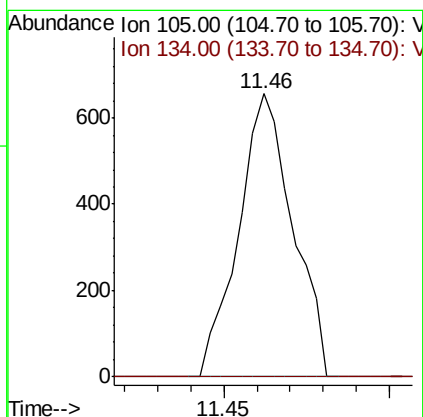
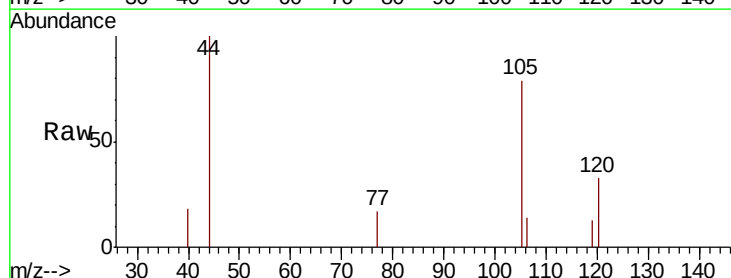
Instrument :
MSVOA_V
ClientSampleId :
38022-111319

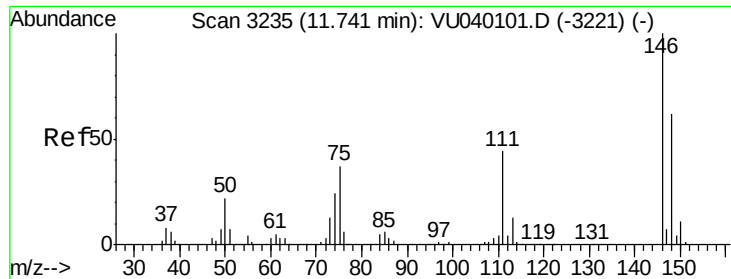
Tot Ion:105 Resp: 748
Ion Ratio Lower Upper
105 100
120 33.0 21.9 65.5



#79
sec-Butylbenzene
Concen: 0.017 ug/l
RT: 11.46 min Scan# 3148
Delta R.T. -0.18 min
Lab File: VU040251.D
Acq: 22 Sep 2020 16:57

Tgt Ion:105 Resp: 748
Ion Ratio Lower Upper
105 100
134 0.0 15.0 22.4#

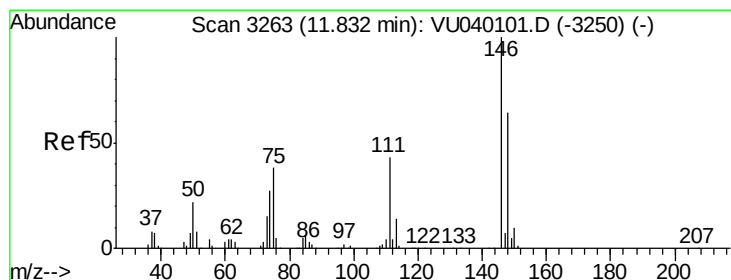
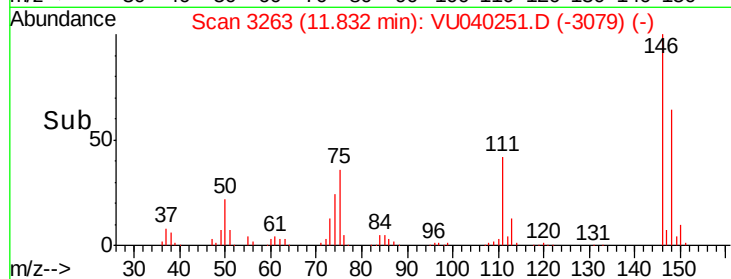
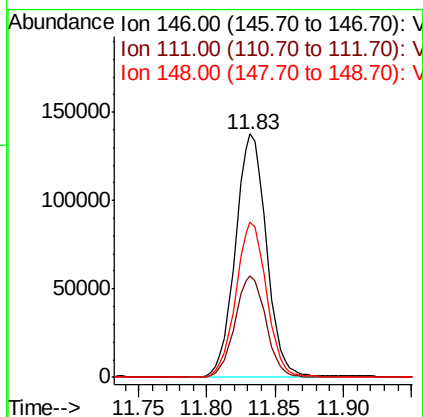
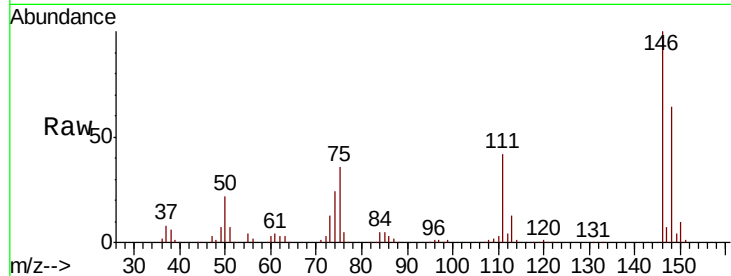




#82
 1,3-Dichlorobenzene
 Concen: 8.448 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.09 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

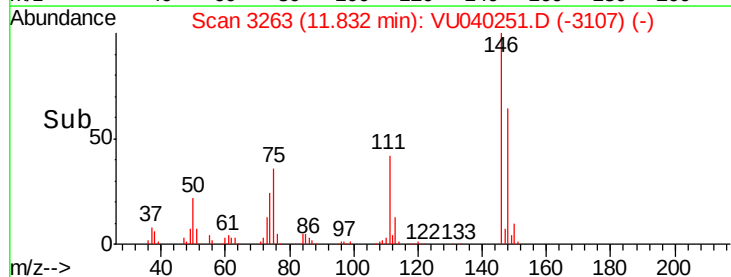
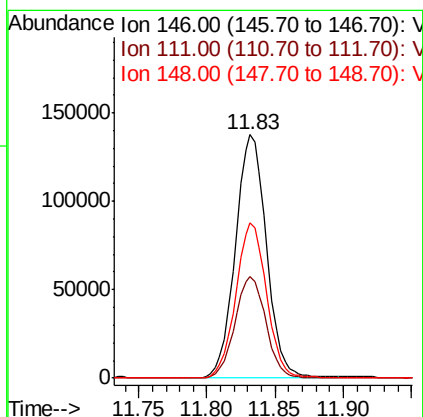
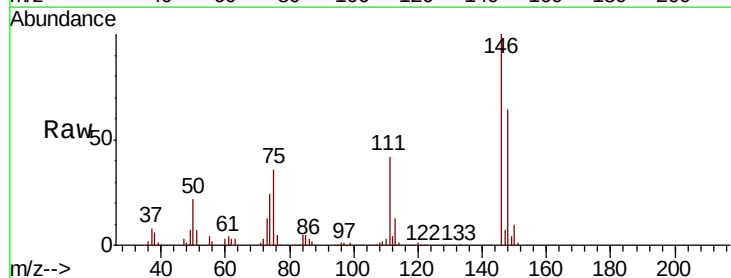
Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

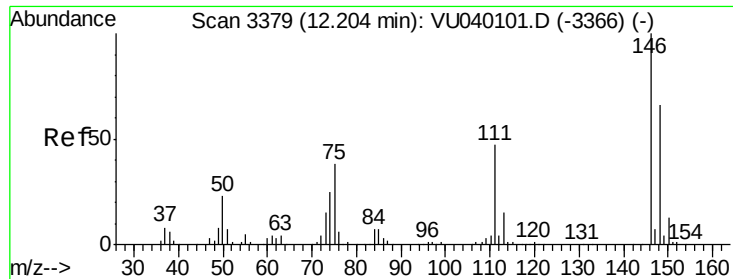
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	35.4	53.0
148	63.0	49.7	74.5



#83
 1,4-Dichlorobenzene
 Concen: 8.641 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	34.2	51.2
148	63.0	50.2	75.2





#85

1,2-Dichlorobenzene

Concen: 3.884 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

38022-111319

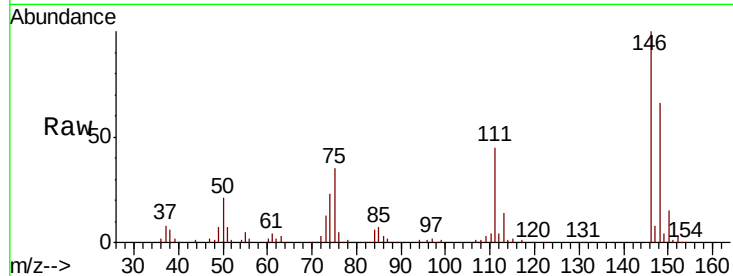
Tot Ion:146 Resp: 93458

Ion Ratio Lower Upper

146 100

111 44.1 22.9 68.7

148 64.7 31.1 93.2

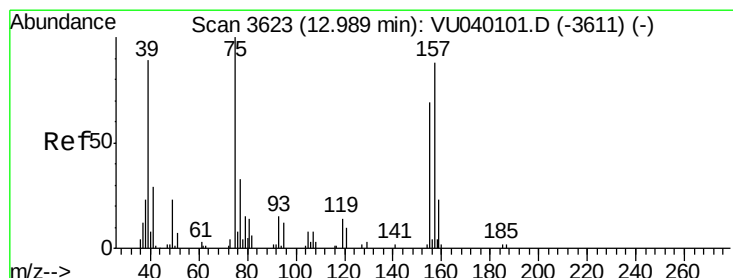
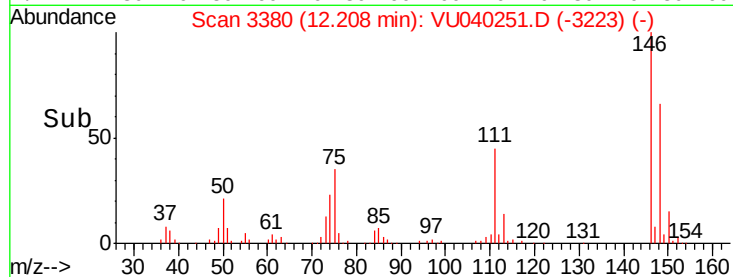
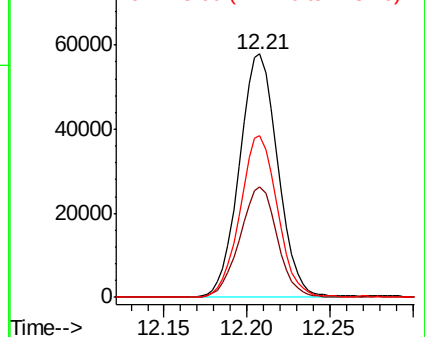


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.019 ug/l

RT: 12.77 min Scan# 3555

Delta R.T. -0.22 min

Lab File: VU040251.D

Acq: 22 Sep 2020 16:57

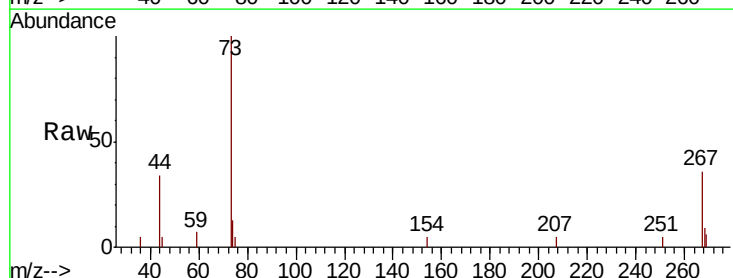
Tgt Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

155 0.0 53.4 80.0#

157 0.0 65.8 98.8#

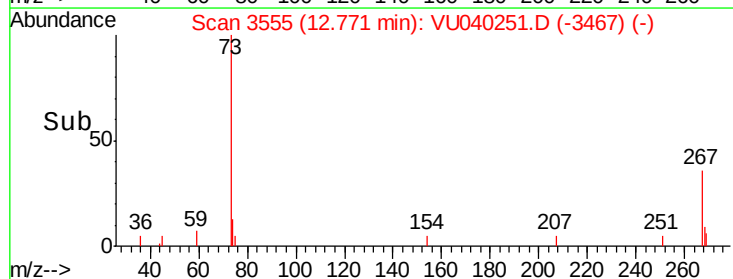
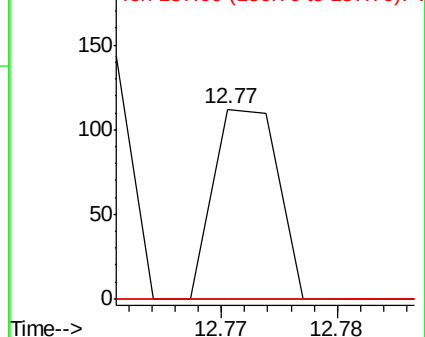


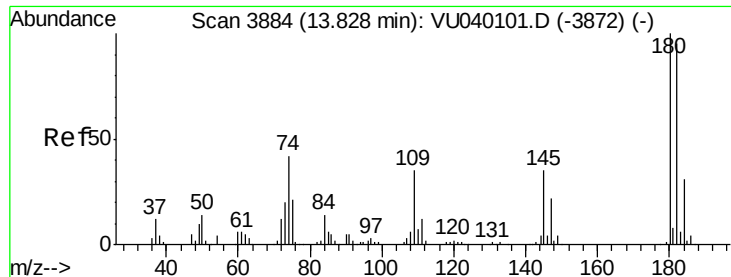
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

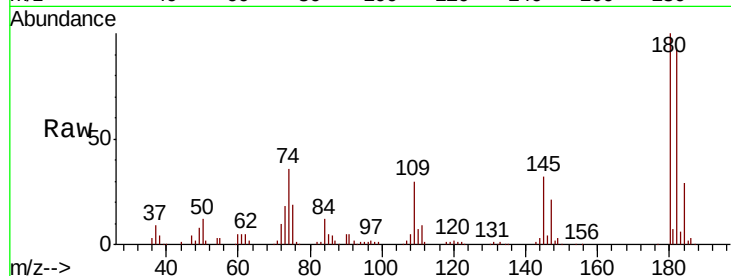




#87
 1,2,4-Trichlorobenzene
 Concen: 9.984 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 38022-111319

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.4
145	33.2	27.7	41.5

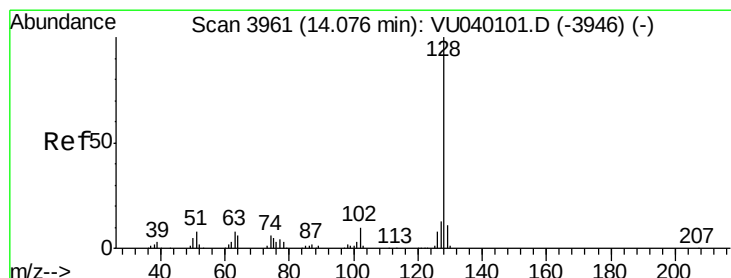
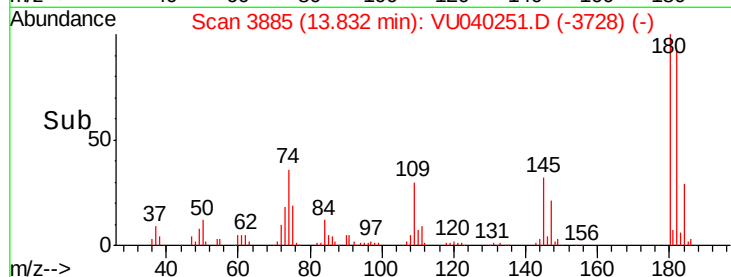
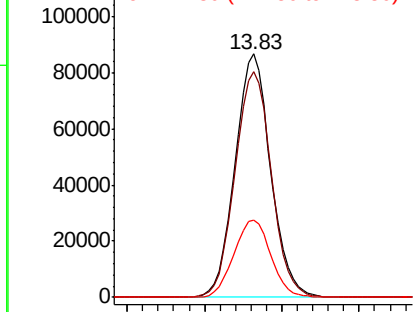


Abundance

Ion 179.70 (179.40 to 180.40): V

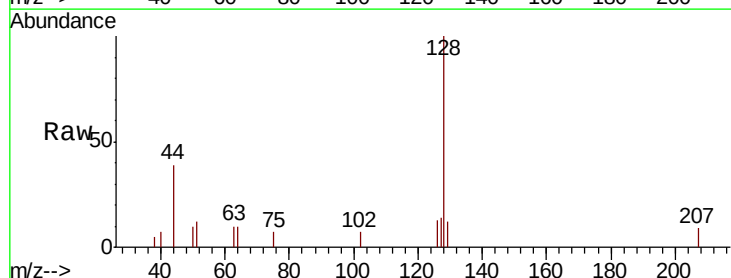
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#89
 Naphthalene
 Concen: 0.149 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040251.D
 Acq: 22 Sep 2020 16:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	6.9	8.3	12.5#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

