

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025406.D
 Acq On : 01 Dec 2021 12:28
 Operator : JC/MD
 Sample : M4866-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20892

Quant Time: Dec 02 08:26:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

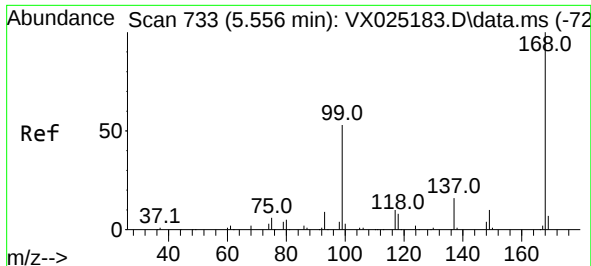
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	123457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201905	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68487	52.629	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.260%	
35) Dibromofluoromethane	5.385	113	62333	50.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.640%	
50) Toluene-d8	8.653	98	232285	49.870	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	11.085	95	81852	46.451	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	128	0.205	ug/l	85
6) Chloroethane	1.666	64	235	0.234	ug/l #	43
10) Methyl Iodide	2.465	142	405	0.282	ug/l #	66
11) Tert butyl alcohol	2.952	59	2798	Below Cal		100
13) Acrolein	1.989	56	20	0.335	ug/l #	13
14) Allyl chloride	2.635	41	512	0.247	ug/l #	42
16) Acetone	2.379	43	5556	7.684	ug/l #	86
25) 2-Butanone	4.562	43	251	0.240	ug/l #	48
31) Cyclohexane	5.556	56	2176	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	8295	4.709	ug/l #	46
38) Carbon Tetrachloride	5.556	117	11148	5.746	ug/l #	16
51) 4-Methyl-2-Pentanone	8.646	43	983	0.470	ug/l #	1
52) Toluene	8.714	92	1434	0.412	ug/l	83
58) 2-Chloroethyl Vinyl ether	8.220	63	219	0.209	ug/l #	46
68) m/p-Xylenes	10.299	106	3343	1.285	ug/l	91
69) o-Xylene	10.646	106	4637	1.821	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	39525	22.889	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	2472	0.489	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	39525	57.662	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.756	105	5369	1.075	ug/l	87
85) sec-Butylbenzene	11.756	105	5369	0.860	ug/l #	56
95) Naphthalene	13.780	128	5605	0.615	ug/l	99

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

Quant Time: Dec 02 08:26:55 2021
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Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

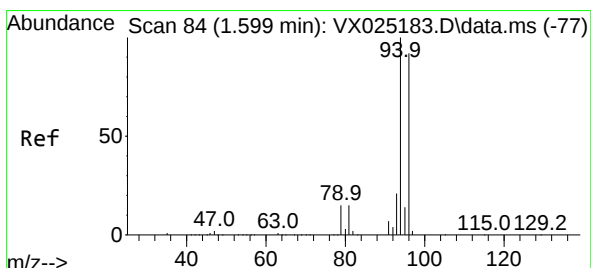
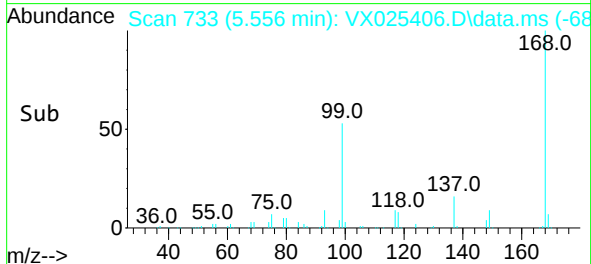
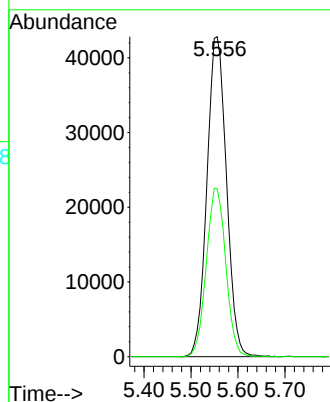
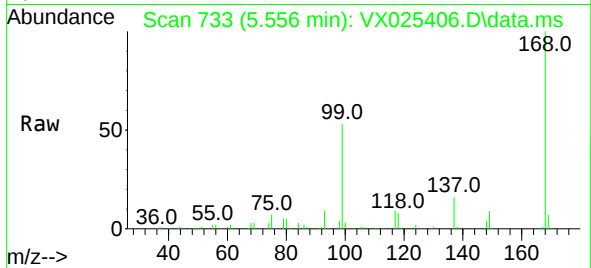




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

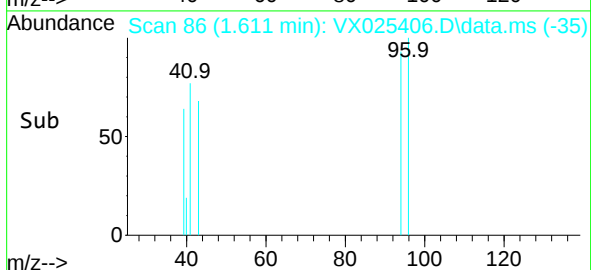
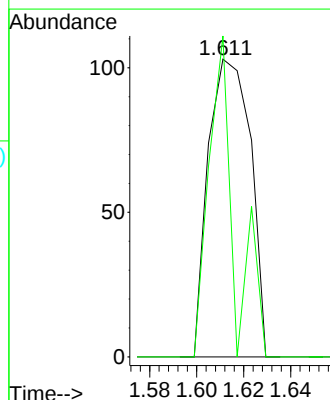
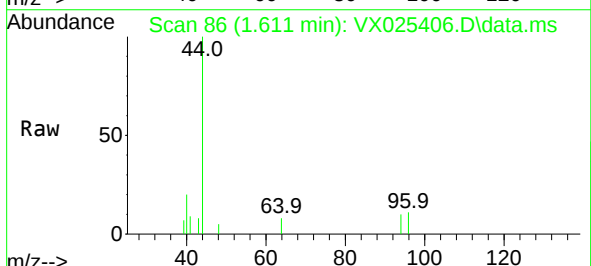
Instrument :
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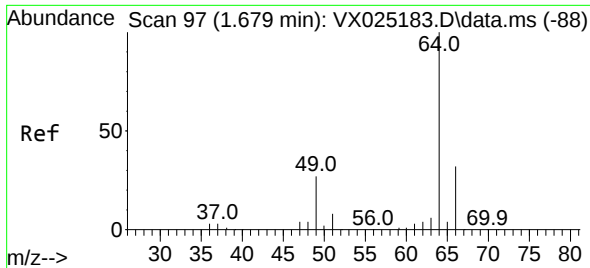
Tgt Ion:168 Resp: 123457
Ion Ratio Lower Upper
168 100
99 52.5 46.4 69.6



#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 107.8 74.8 112.2

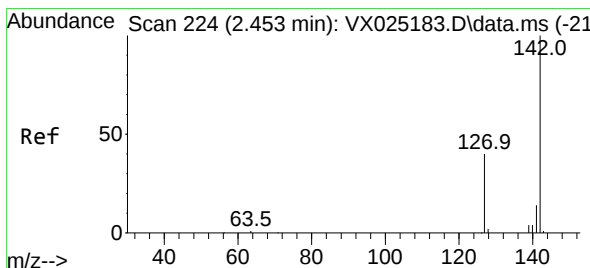
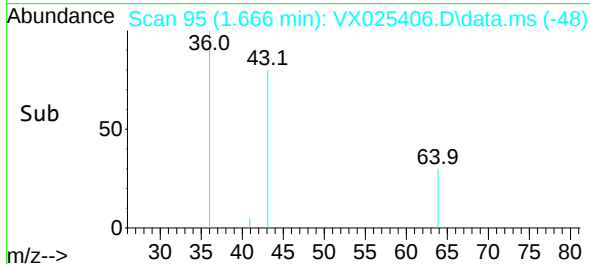
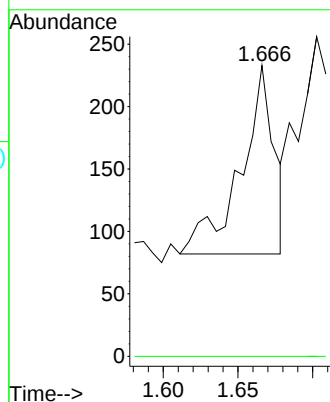
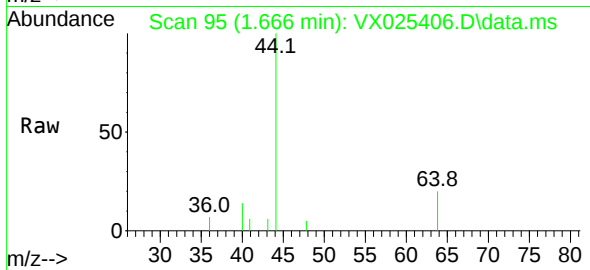




#6
Chloroethane
Concen: 0.234 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

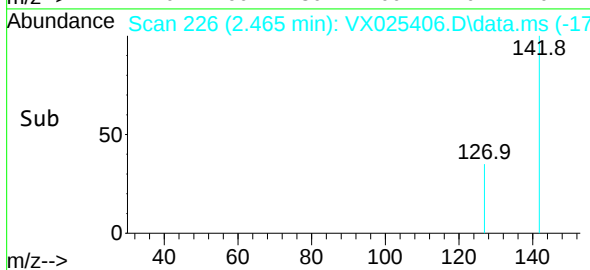
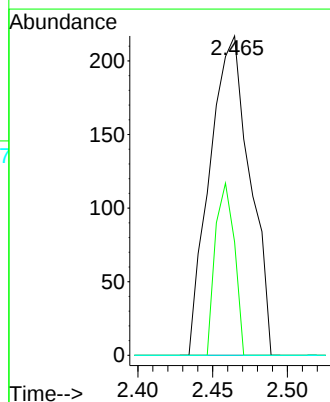
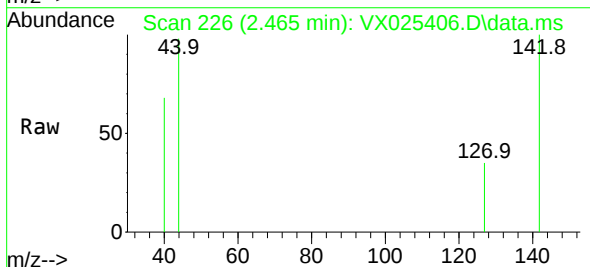
Instrument :
MSVOA_X
ClientSampleId :
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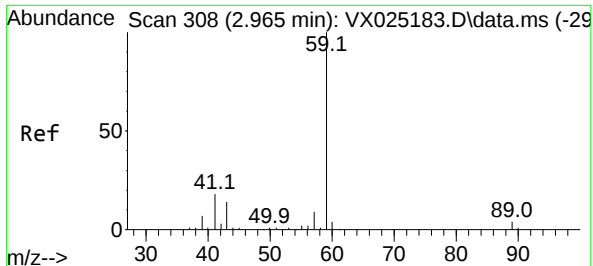
Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 0.282 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 142 Resp: 405
Ion Ratio Lower Upper
142 100
127 25.7 38.9 58.3#
141 0.0 11.7 17.5#

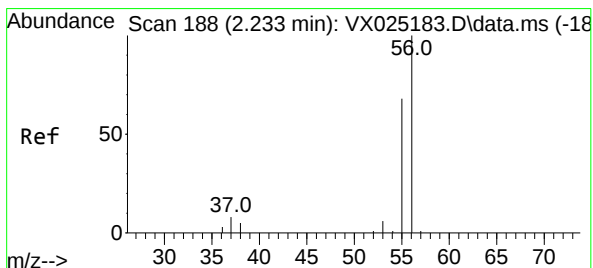
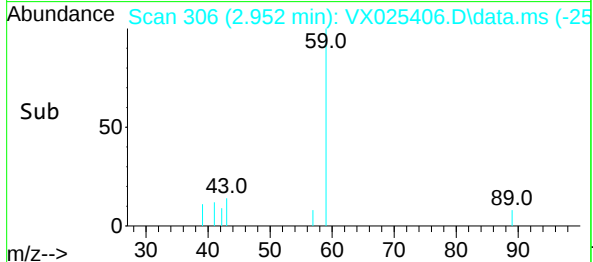
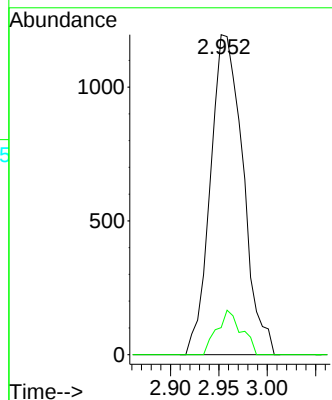
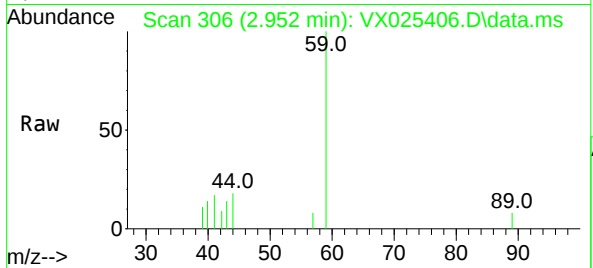




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 308
Delta R.T. -0.013 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

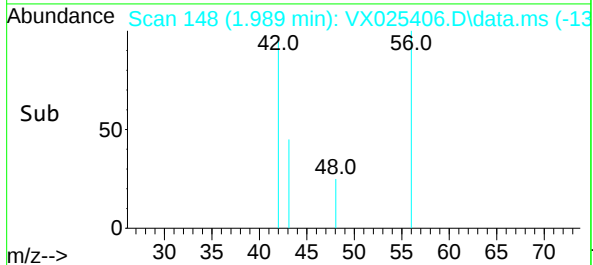
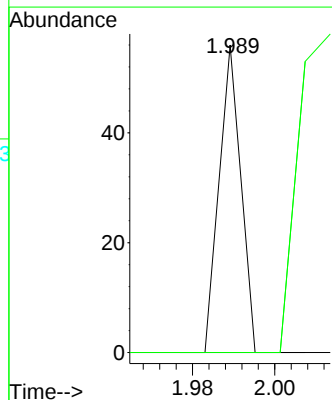
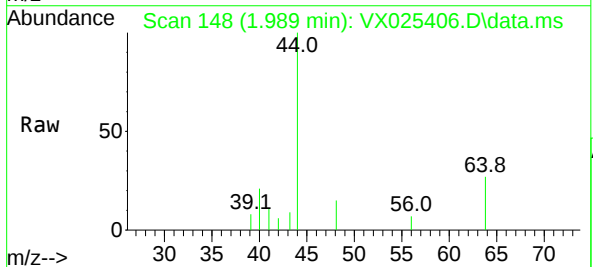
Instrument :
MSVOA_X
ClientSampleId :
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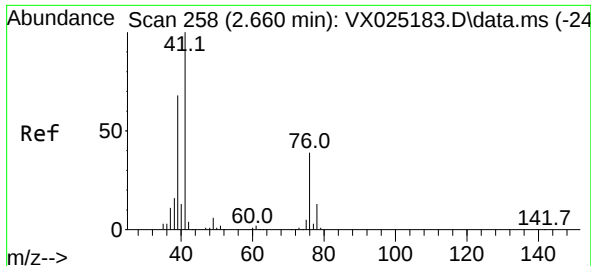
Tgt Ion: 59 Resp: 2798
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



#13
Acrolein
Concen: 0.335 ug/l
RT: 1.989 min Scan# 148
Delta R.T. -0.244 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

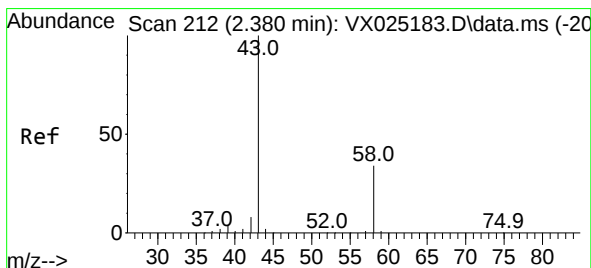
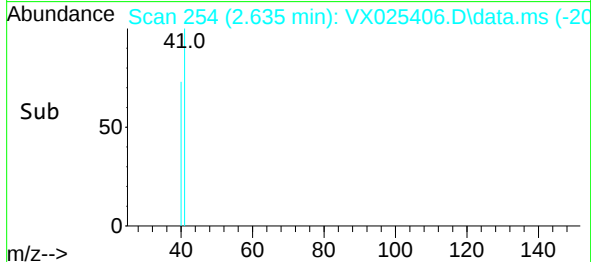
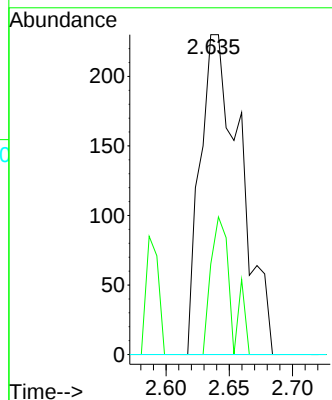
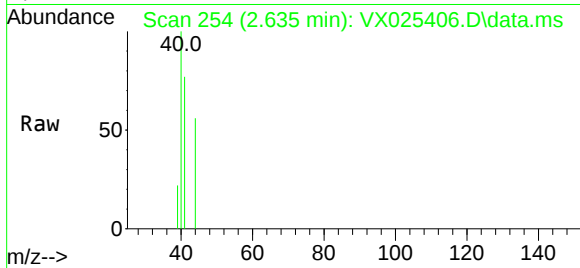




#14
 Allyl chloride
 Concen: 0.247 ug/l
 RT: 2.635 min Scan# 214
 Delta R.T. -0.025 min
 Lab File: VX025406.D
 Acq: 01 Dec 2021 12:28

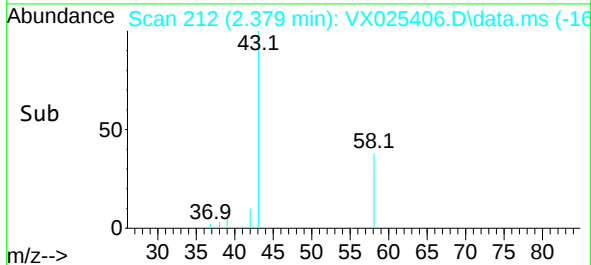
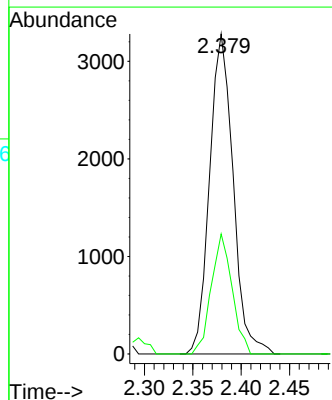
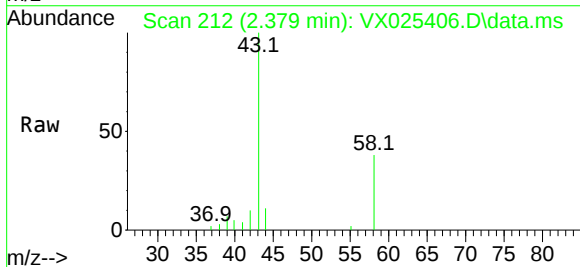
Instrument :
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 ClientSampleId :
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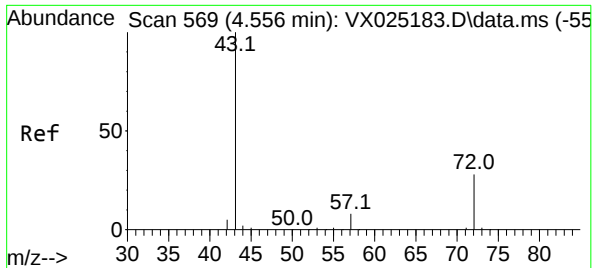
Tgt Ion: 41 Resp: 512
 Ion Ratio Lower Upper
 41 100
 39 21.5 54.6 82.0#
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 7.684 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX025406.D
 Acq: 01 Dec 2021 12:28

Tgt Ion: 43 Resp: 5556
 Ion Ratio Lower Upper
 43 100
 58 37.5 24.0 36.0#

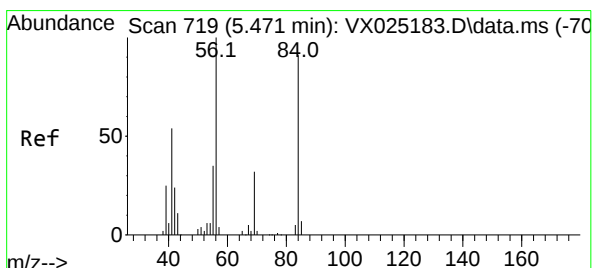
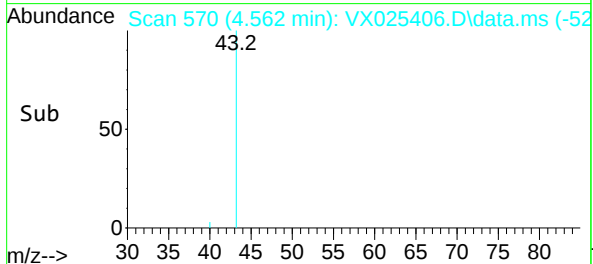
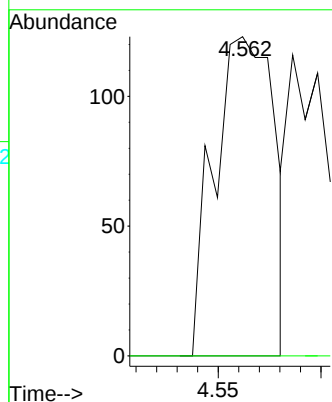
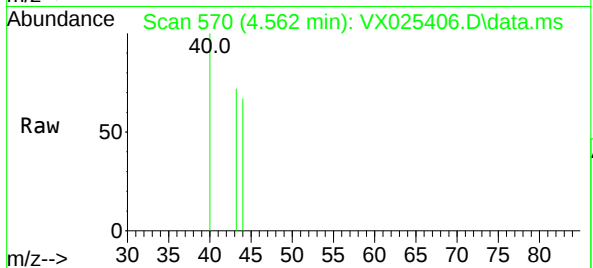




#25
2-Butanone
Concen: 0.240 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

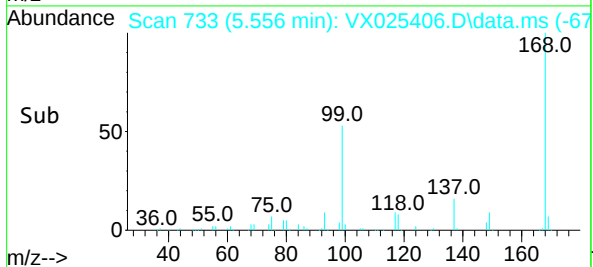
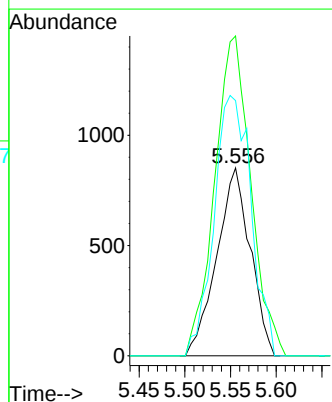
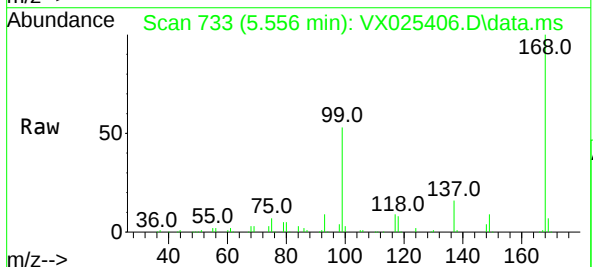
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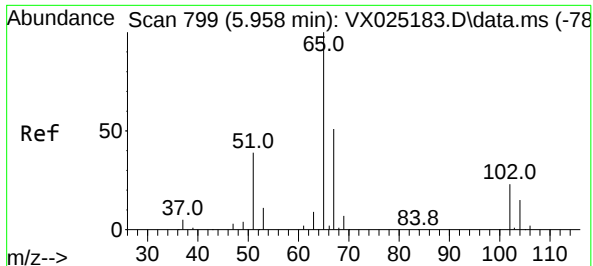
Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.082 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 56 Resp: 2176
Ion Ratio Lower Upper
56 100
69 170.2 24.2 36.2#
84 135.8 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 52.629 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025406.D

Acq: 01 Dec 2021 12:28

Instrument :

MSVOA_X

ClientSampleId :

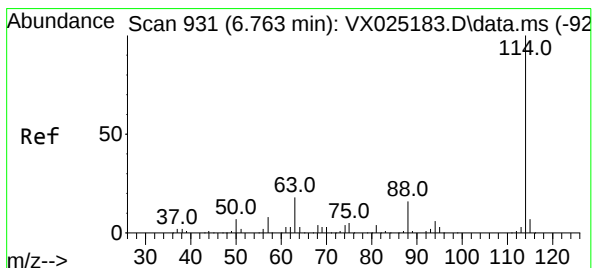
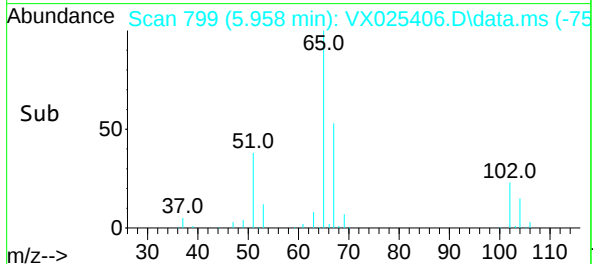
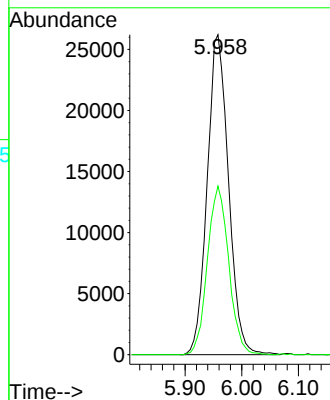
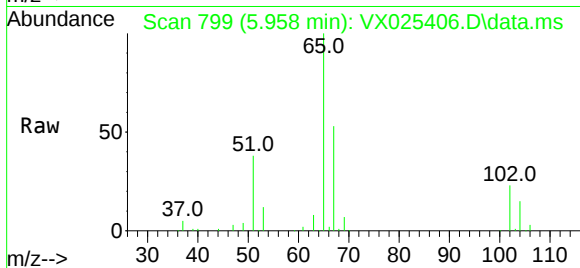
20892

Tgt Ion: 65 Resp: 68487

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025406.D

Acq: 01 Dec 2021 12:28

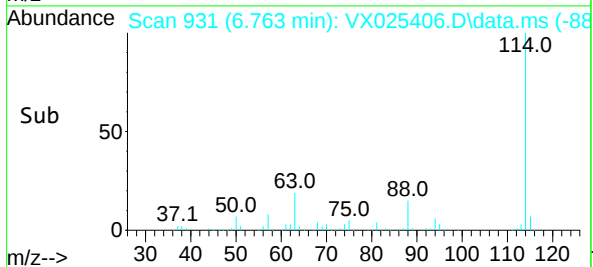
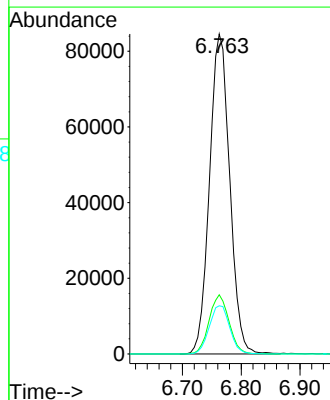
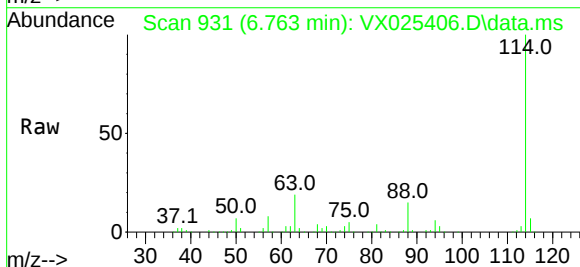
Tgt Ion: 114 Resp: 201905

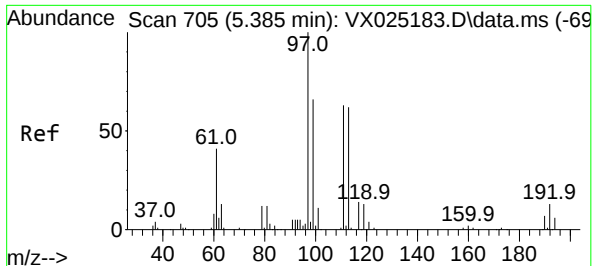
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 15.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.316 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX025406.D

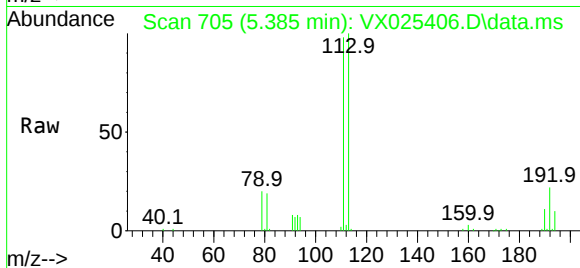
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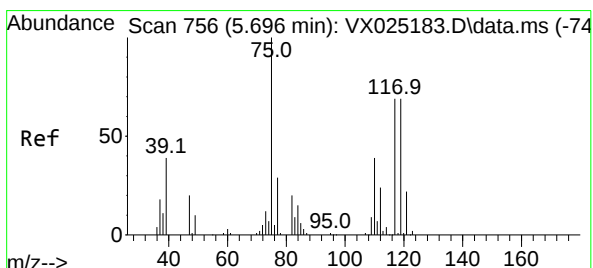
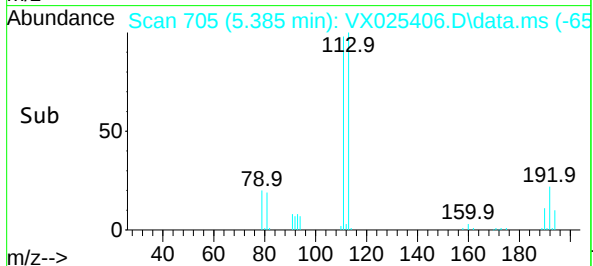
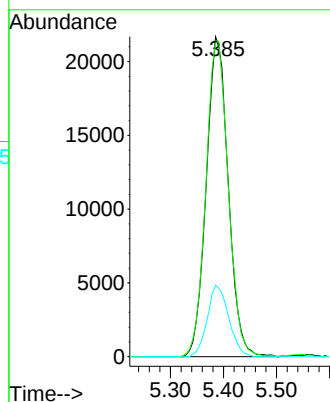
Tgt Ion:113 Resp: 62333

Ion Ratio Lower Upper

113 100

111 100.6 82.1 123.1

192 21.7 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX025406.D

Acq: 01 Dec 2021 12:28

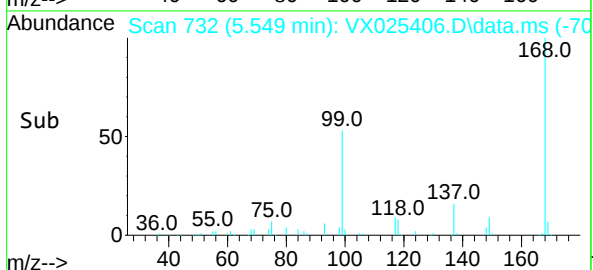
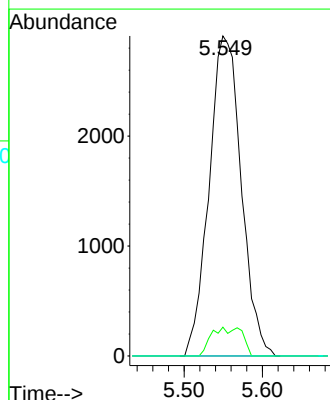
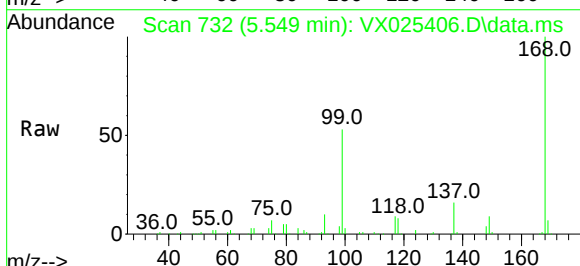
Tgt Ion: 75 Resp: 8295

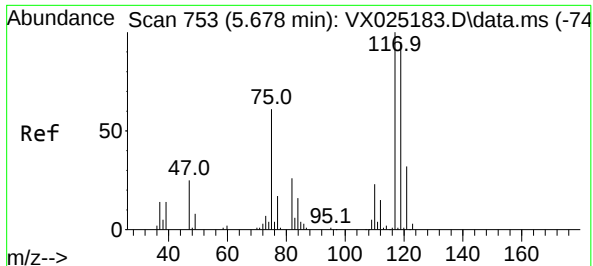
Ion Ratio Lower Upper

75 100

110 4.9 18.1 54.3#

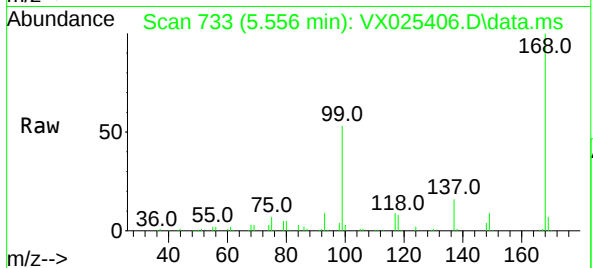
77 0.0 24.4 36.6#



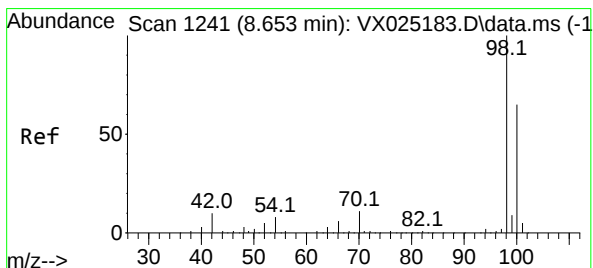
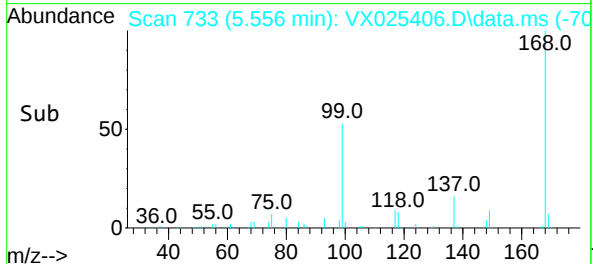
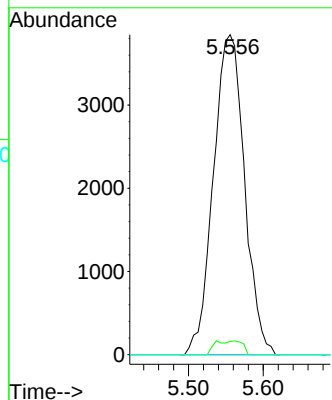


#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Instrument :
MSVOA_X
ClientSampleId :
20892

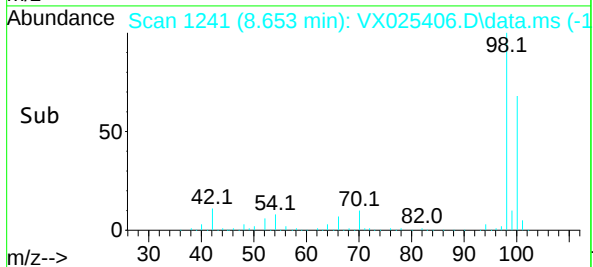
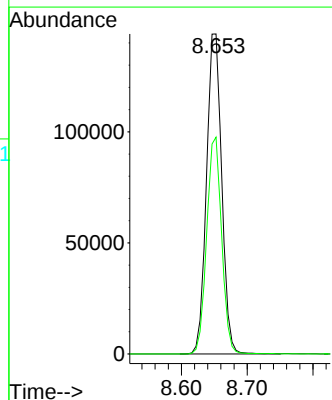
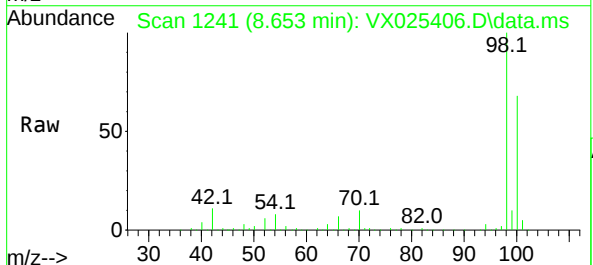


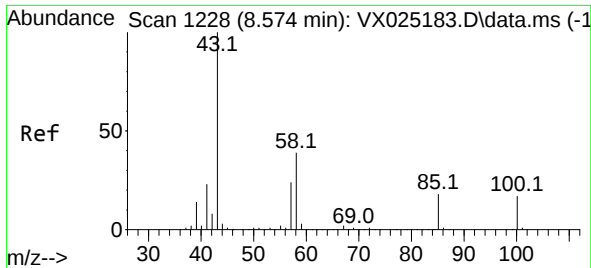
Tgt Ion:117 Resp: 11148
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.870 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 98 Resp: 232285
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0

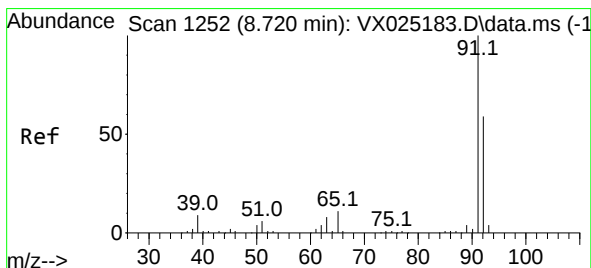
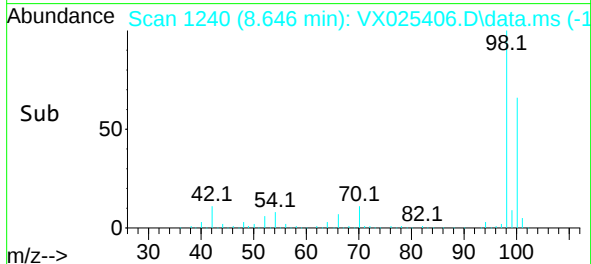
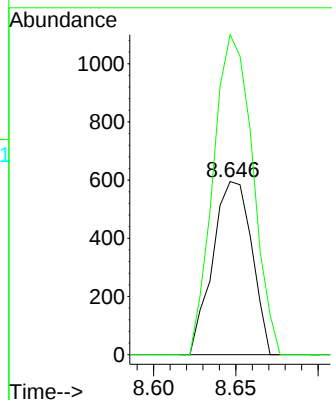
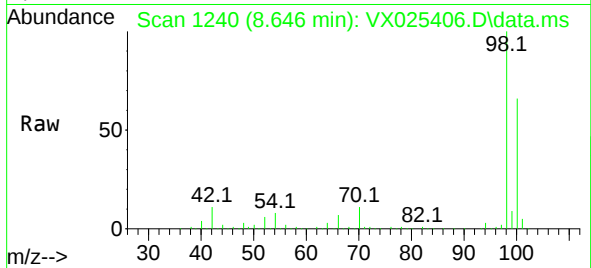




#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.072 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

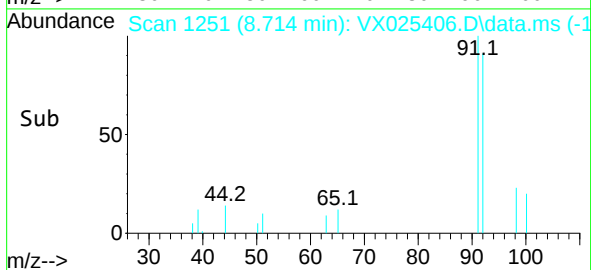
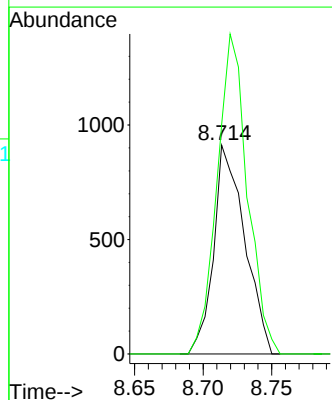
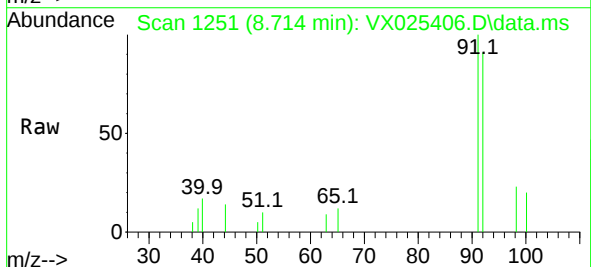
Instrument :
MSVOA_X
ClientSampleId :
20892

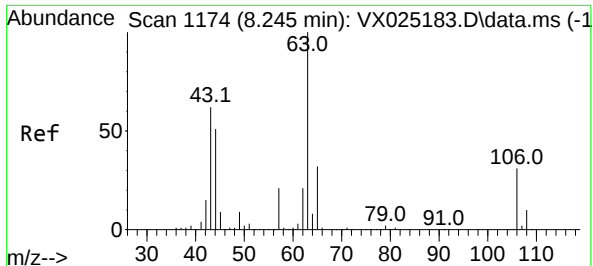
Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 186.3 30.9 46.3#



#52
Toluene
Concen: 0.412 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 92 Resp: 1434
Ion Ratio Lower Upper
92 100
91 150.3 138.6 208.0

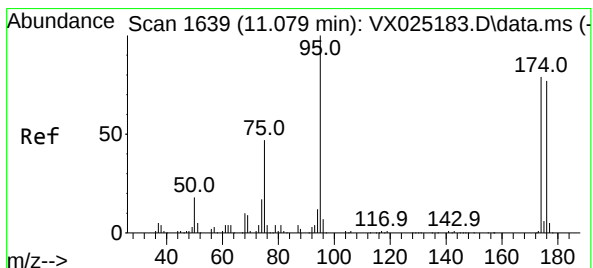
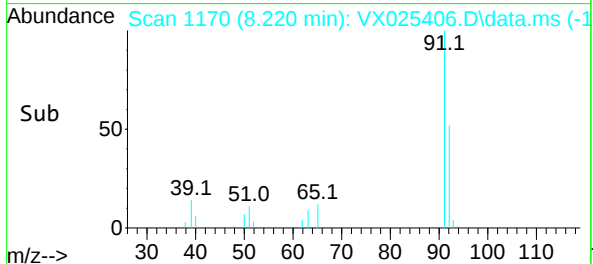
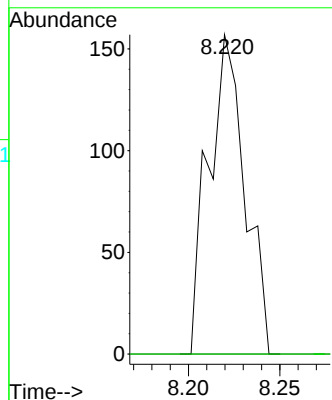
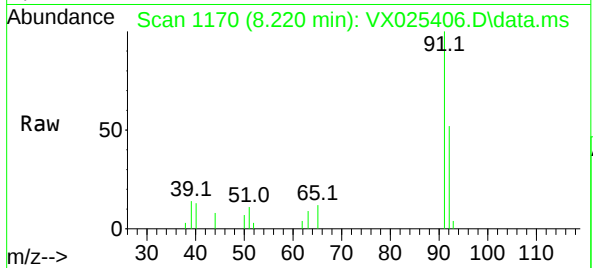




#58
2-Chloroethyl Vinyl ether
Concen: 0.209 ug/l
RT: 8.220 min Scan# 1174
Delta R.T. -0.025 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

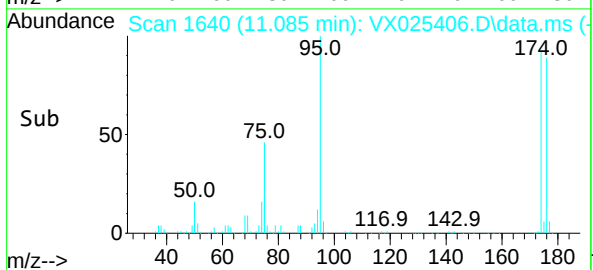
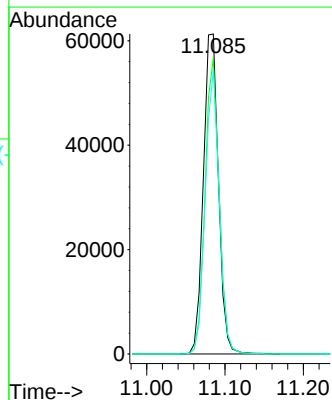
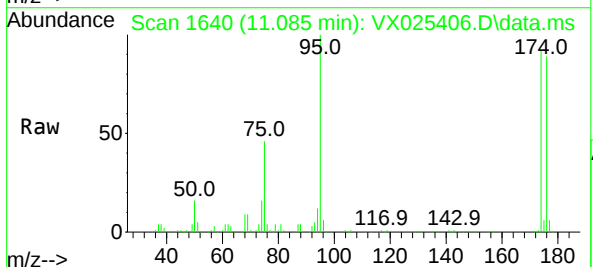
Instrument :
MSVOA_X
ClientSampleId :
20892

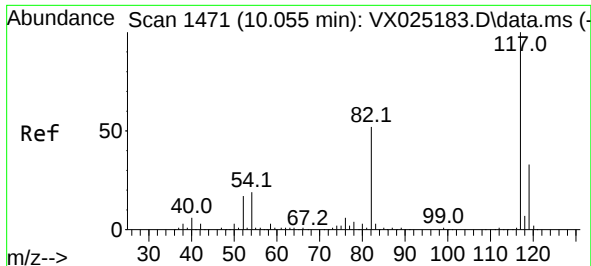
Tgt Ion: 63 Resp: 219
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 46.451 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion: 95 Resp: 81852
Ion Ratio Lower Upper
95 100
174 86.6 0.0 158.0
176 82.6 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX025406.D

Acq: 01 Dec 2021 12:28

Instrument :

MSVOA_X

ClientSampleId :

20892

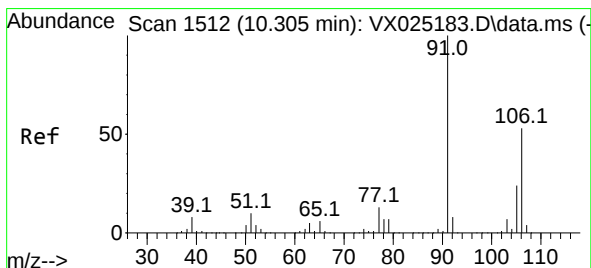
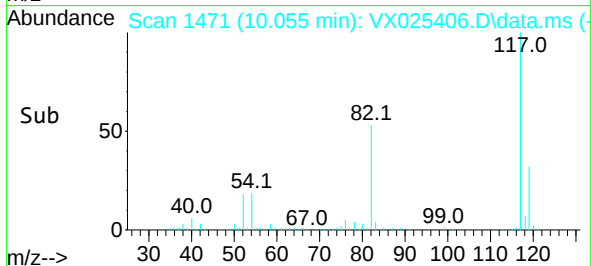
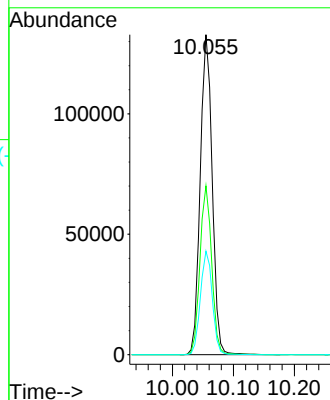
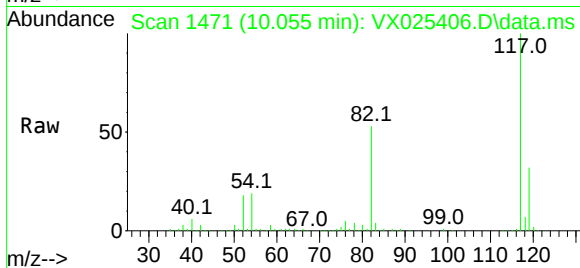
Tgt Ion:117 Resp: 180915

Ion Ratio Lower Upper

117 100

82 52.7 44.6 67.0

119 32.3 24.8 37.2



#68

m/p-Xylenes

Concen: 1.285 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX025406.D

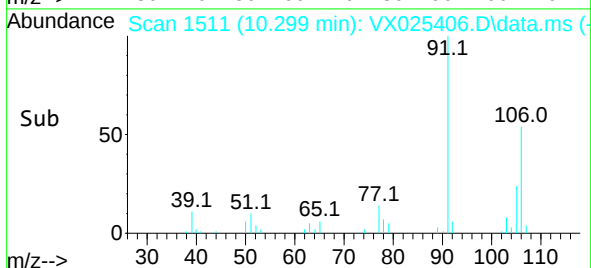
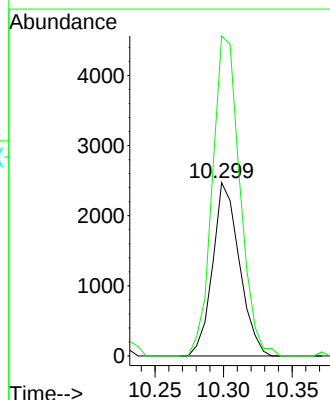
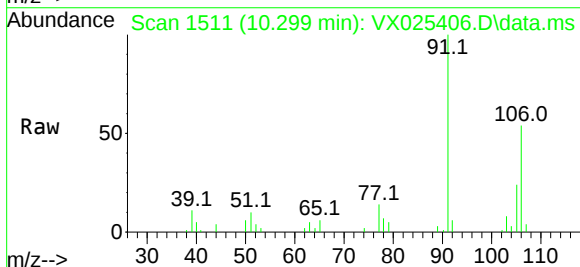
Acq: 01 Dec 2021 12:28

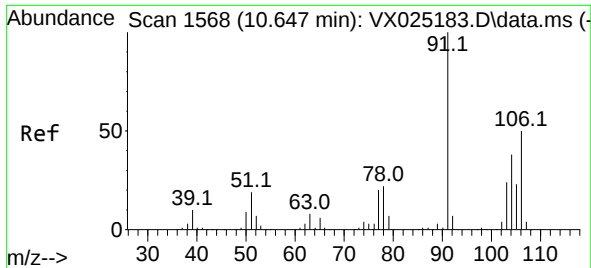
Tgt Ion:106 Resp: 3343

Ion Ratio Lower Upper

106 100

91 190.5 163.4 245.0

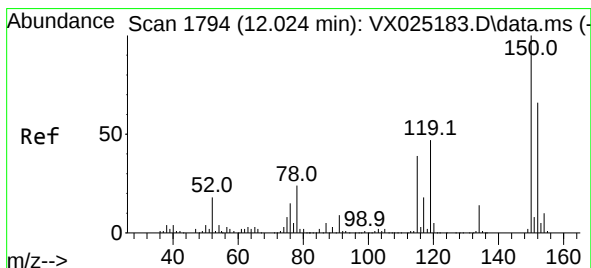
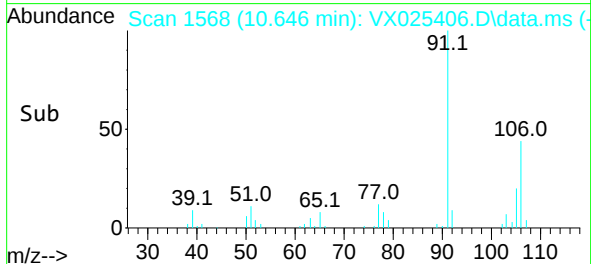
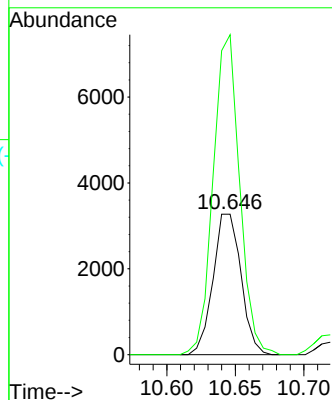
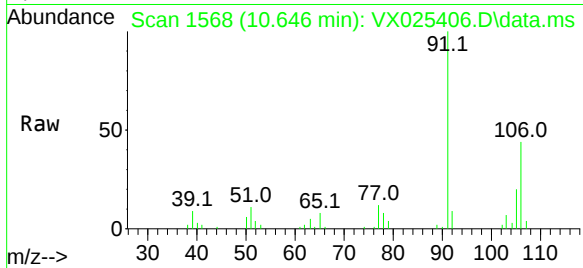




#69
o-Xylene
Concen: 1.821 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

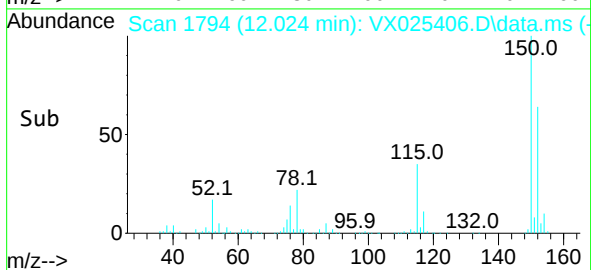
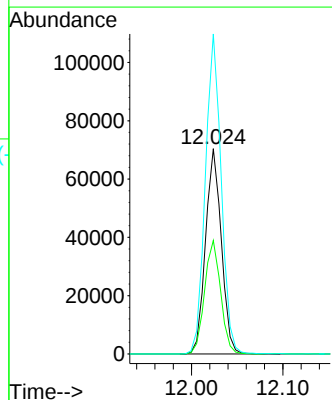
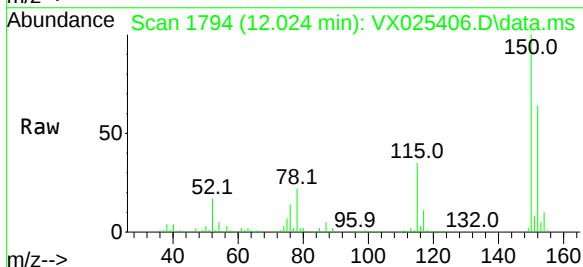
Instrument :
MSVOA_X
ClientSampleId :
20892

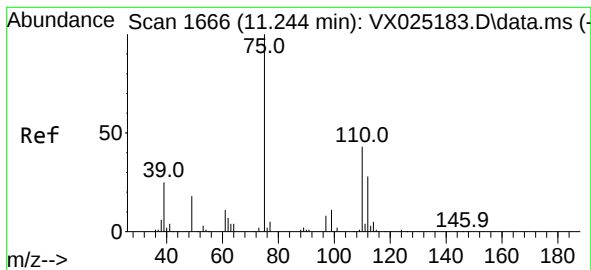
Tgt Ion:106 Resp: 4637
Ion Ratio Lower Upper
106 100
91 215.7 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion:152 Resp: 84325
Ion Ratio Lower Upper
152 100
115 56.1 43.3 129.8
150 156.4 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 22.889 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX025406.D

Acq: 01 Dec 2021 12:28

Instrument :

MSVOA_X

ClientSampleId :

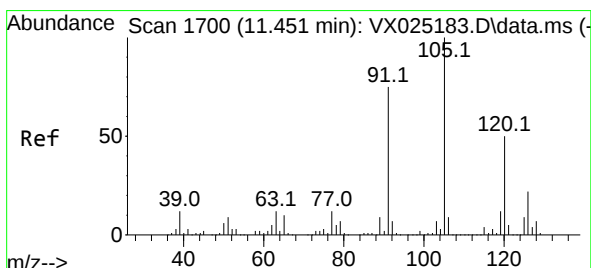
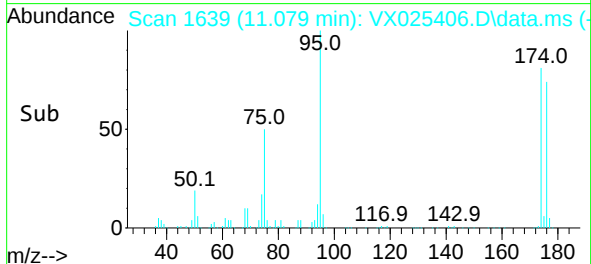
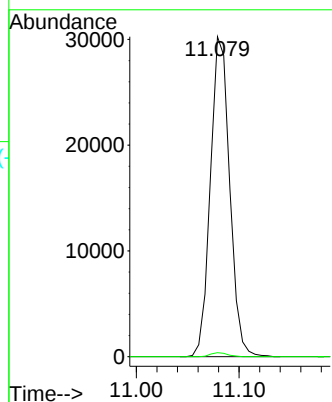
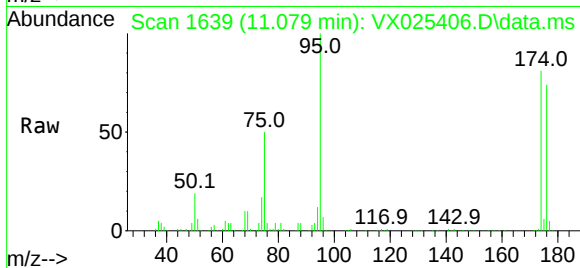
20892

Tgt Ion: 75 Resp: 39525

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.489 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX025406.D

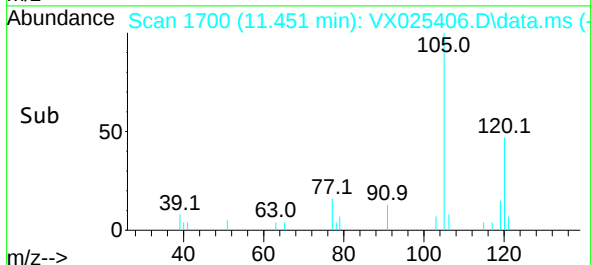
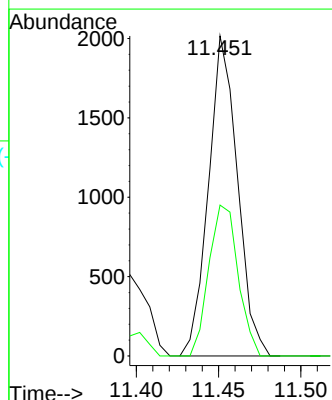
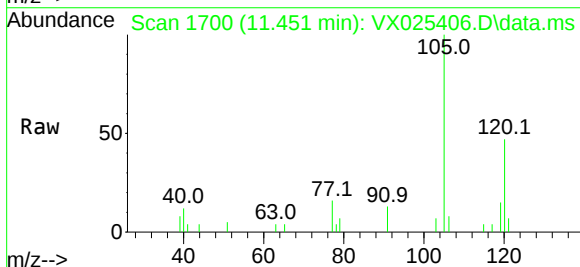
Acq: 01 Dec 2021 12:28

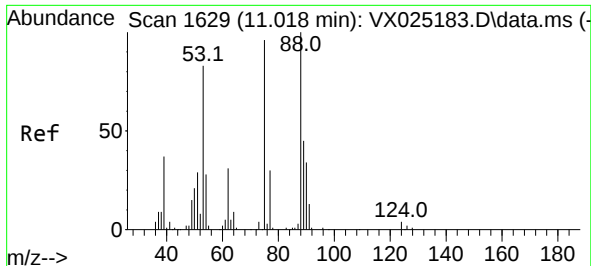
Tgt Ion: 105 Resp: 2472

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.5

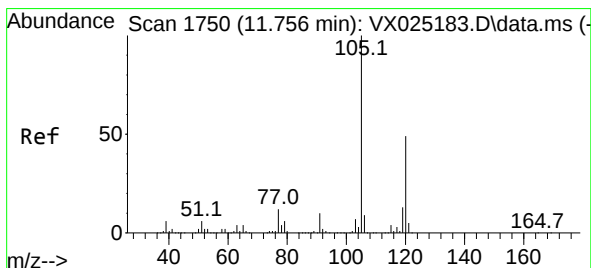
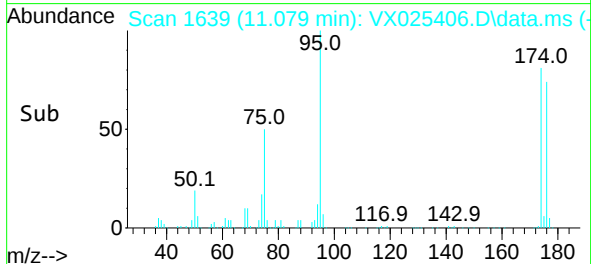
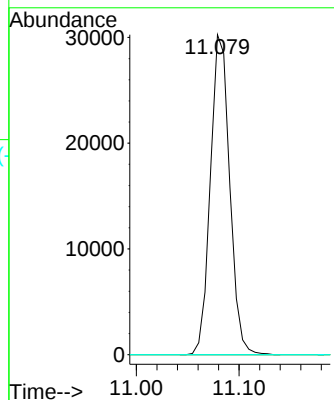
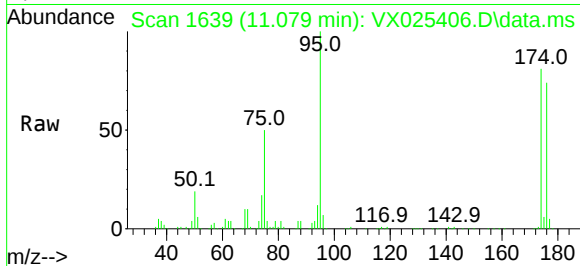




#81
trans-1,4-Dichloro-2-butene
Concen: 57.662 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

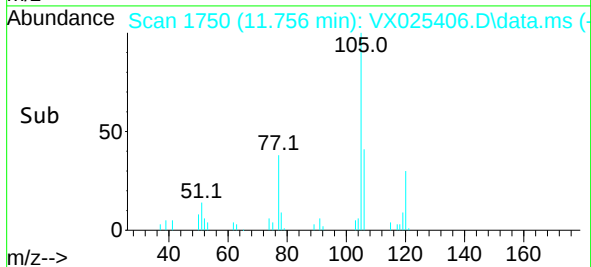
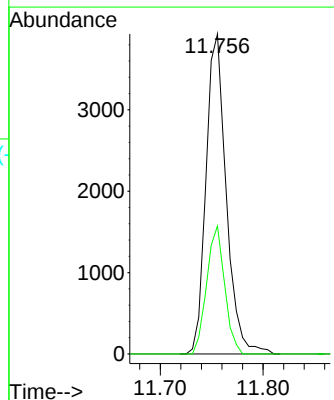
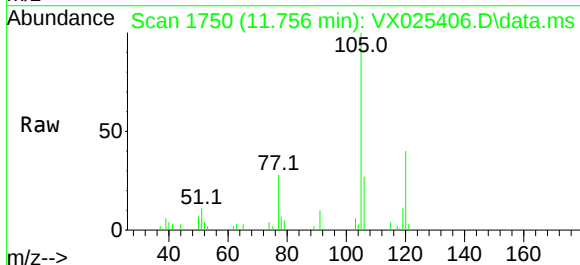
Instrument :
MSVOA_X
ClientSampleId :
20892

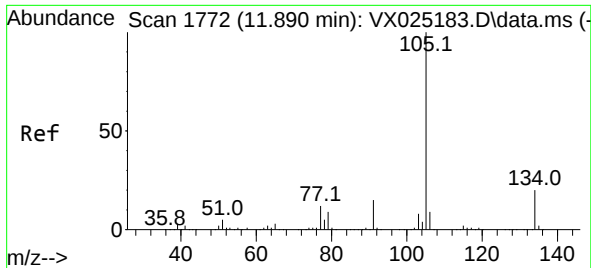
Tgt Ion: 75 Resp: 39525
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.075 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX025406.D
Acq: 01 Dec 2021 12:28

Tgt Ion:105 Resp: 5369
Ion Ratio Lower Upper
105 100
120 35.5 22.1 66.3

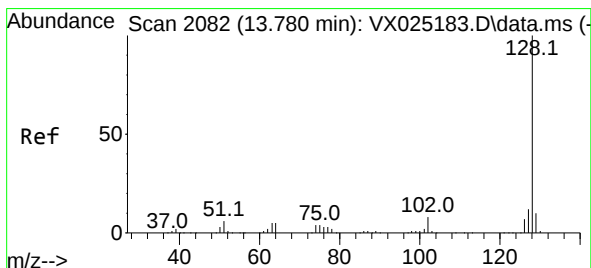
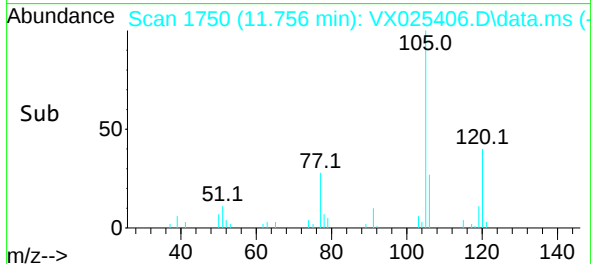
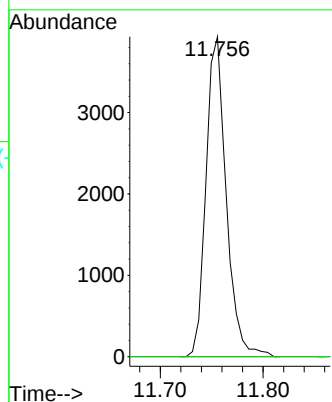
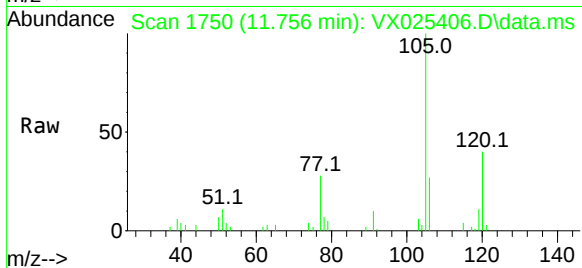




#85
 sec-Butylbenzene
 Concen: 0.860 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.134 min
 Lab File: VX025406.D
 Acq: 01 Dec 2021 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 20892

Tgt Ion:105 Resp: 5369
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 0.615 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX025406.D
 Acq: 01 Dec 2021 12:28

Tgt Ion:128 Resp: 5605
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 12.0 8.8 13.2

