

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044545.D
 Acq On : 30 Dec 2024 15:45
 Operator : JC/MD
 Sample : P5317-18DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20241217DL

Quant Time: Dec 31 00:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

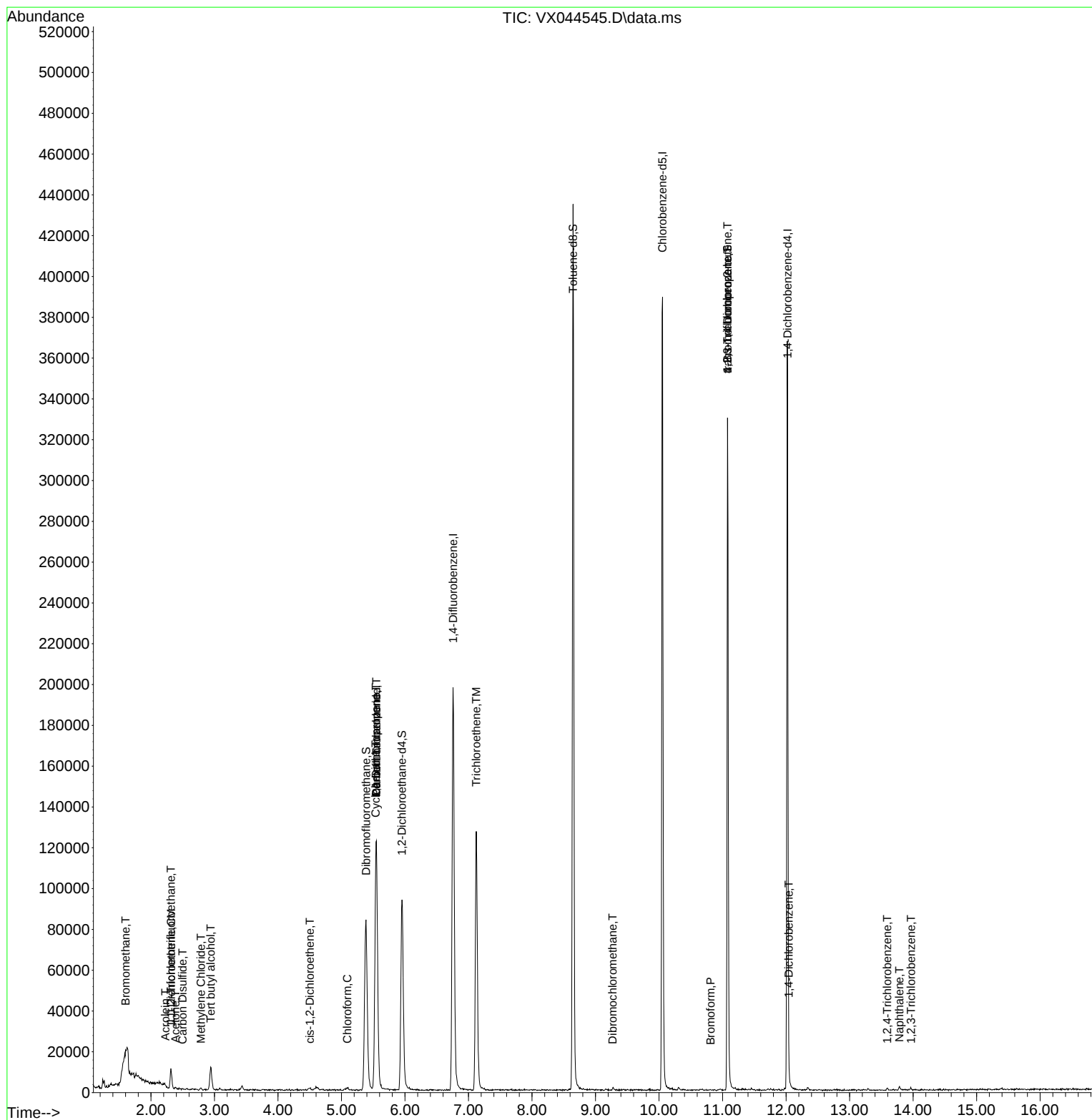
Internal Standards						
1) Pentafluorobenzene	5.550	168	117987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91587	44.273	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.540%			
35) Dibromofluoromethane	5.385	113	72531	52.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	8.647	98	257969	55.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.240%			
62) 4-Bromofluorobenzene	11.079	95	83972	51.351	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.700%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	487	0.378	ug/l #	60
9) 1,1,2-Trichlorotrifluo...	2.312	101	2846	1.977	ug/l	91
11) Tert butyl alcohol	2.940	59	6002	20.586	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	945	0.715	ug/l #	44
13) Acrolein	2.227	56	215	0.509	ug/l #	46
16) Acetone	2.386	43	869	1.030	ug/l	98
17) Carbon Disulfide	2.495	76	821	0.327	ug/l #	75
20) Methylene Chloride	2.788	84	415	0.262	ug/l #	52
27) cis-1,2-Dichloroethene	4.501	96	750	0.420	ug/l	76
30) Chloroform	5.092	83	1146	0.369	ug/l	96
31) Cyclohexane	5.537	56	2765	1.238	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	9546	5.324	ug/l #	49
38) Carbon Tetrachloride	5.550	117	11826	6.126	ug/l #	16
44) Trichloroethene	7.123	130	49829	36.704	ug/l	99
60) Dibromochloromethane	9.269	129	22	1.247	ug/l #	11
71) Bromoform	10.811	173	21	1.256	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	44894	26.647	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	44894	73.417	ug/l #	4
88) 1,4-Dichlorobenzene	12.042	146	637	0.253	ug/l #	26
93) 1,2,4-Trichlorobenzene	13.591	180	624	0.448	ug/l #	71
95) Naphthalene	13.786	128	2257	0.415	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.969	180	444	0.301	ug/l #	80

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

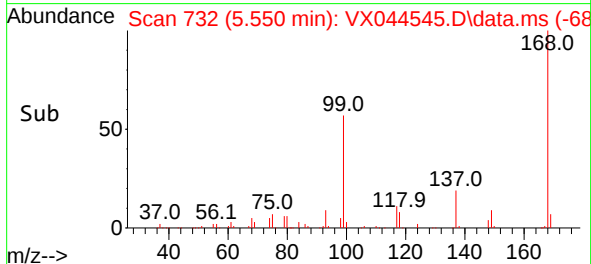
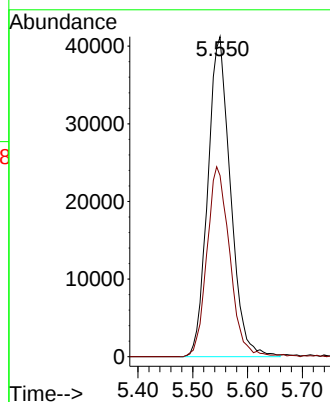
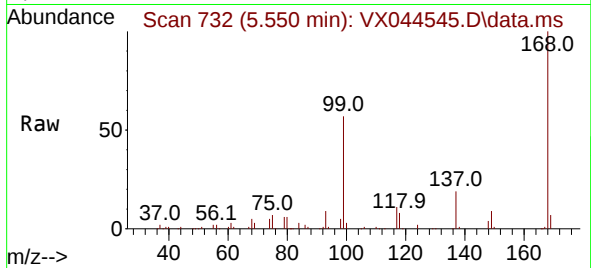




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

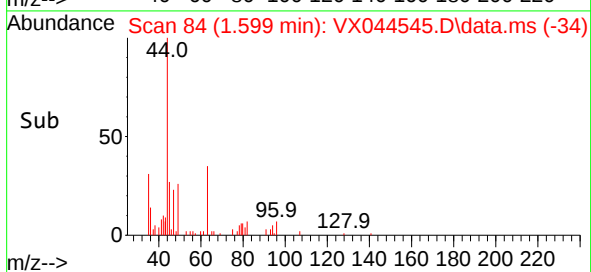
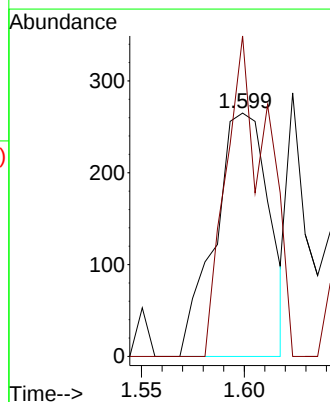
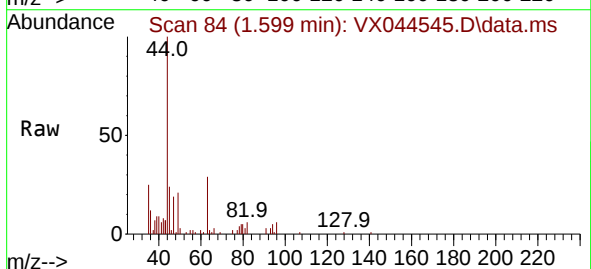
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

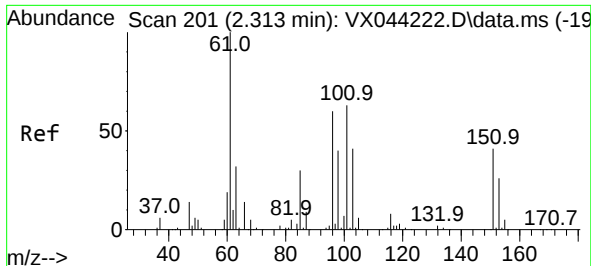
Tgt Ion:168 Resp: 117987
Ion Ratio Lower Upper
168 100
99 56.6 53.4 80.0



#5
Bromomethane
Concen: 0.378 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 131.7 74.9 112.3#

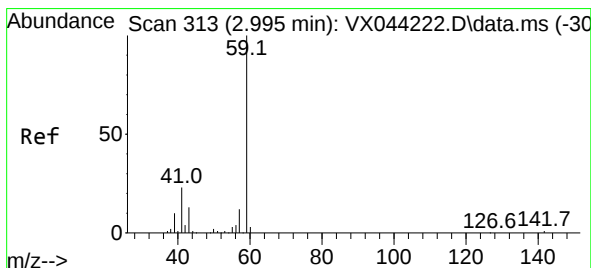
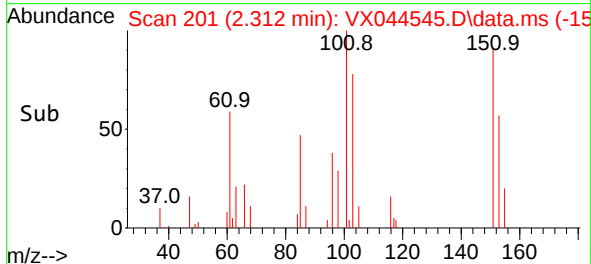
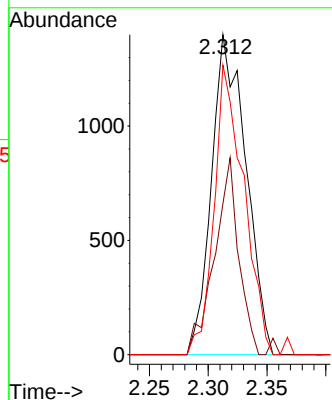
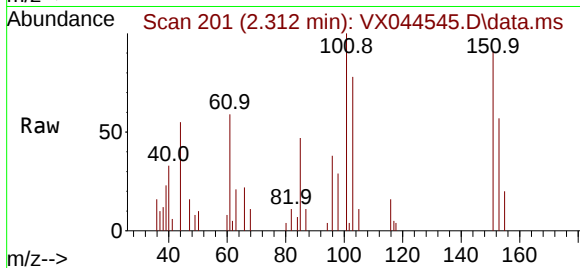




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.977 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

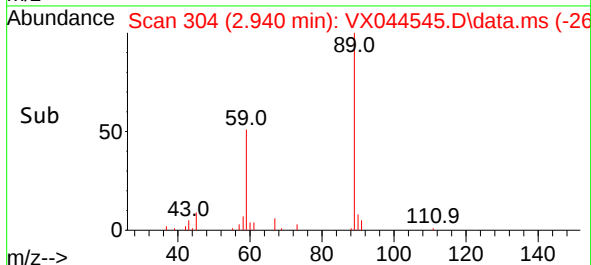
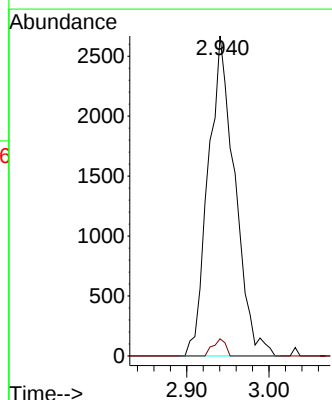
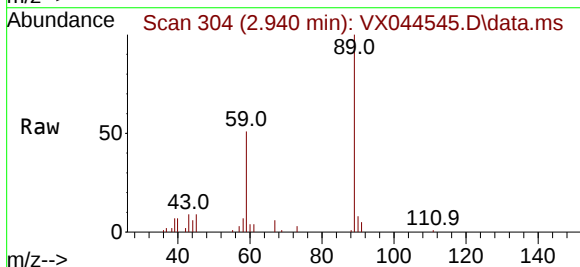
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

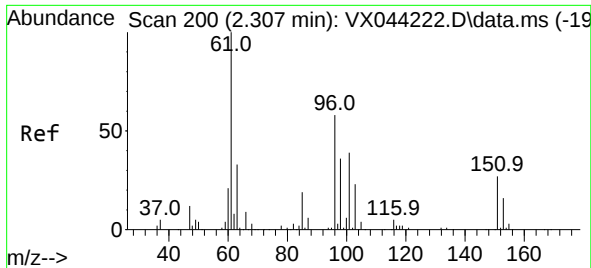
Tgt Ion:101 Resp: 2846
Ion Ratio Lower Upper
101 100
85 43.4 38.5 57.7
151 78.0 55.8 83.6



#11
Tert butyl alcohol
Concen: 20.586 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

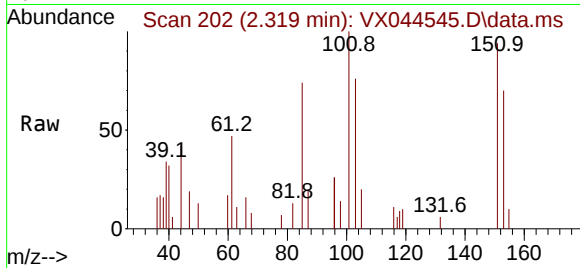
Tgt Ion: 59 Resp: 6002
Ion Ratio Lower Upper
59 100
57 2.5 8.8 13.2#



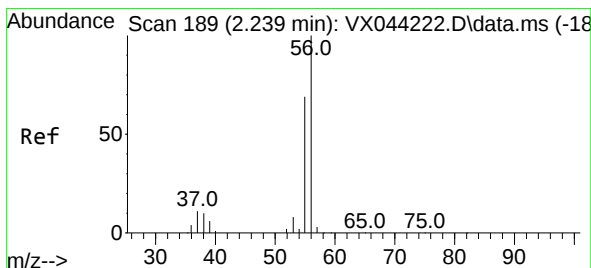
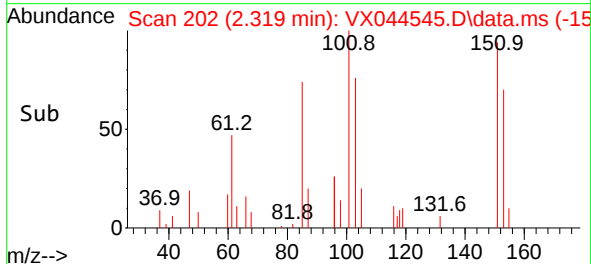
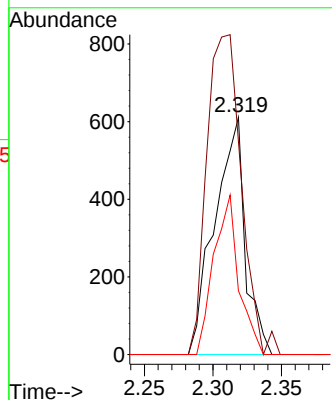


#12
1,1-Dichloroethene
Concen: 0.715 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

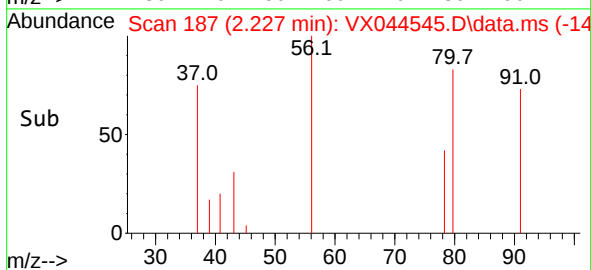
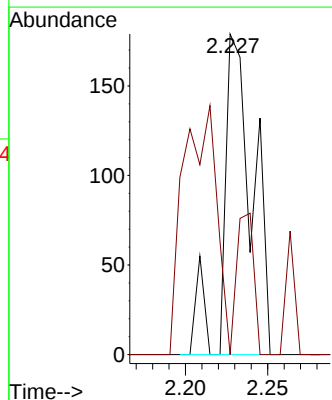
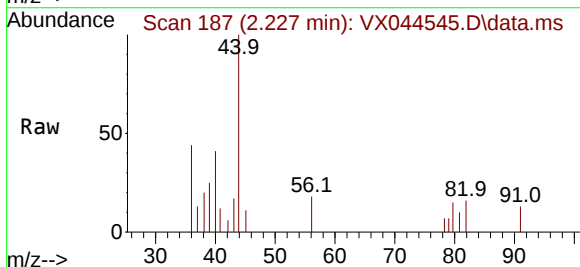


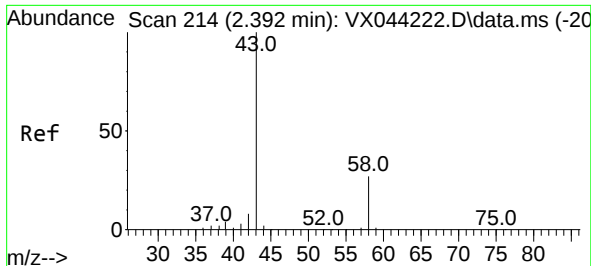
Tgt Ion: 96 Resp: 945
Ion Ratio Lower Upper
96 100
61 89.9 138.0 207.0#
98 26.8 50.0 75.0#



#13
Acrolein
Concen: 0.509 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 26.5 56.6 84.8#

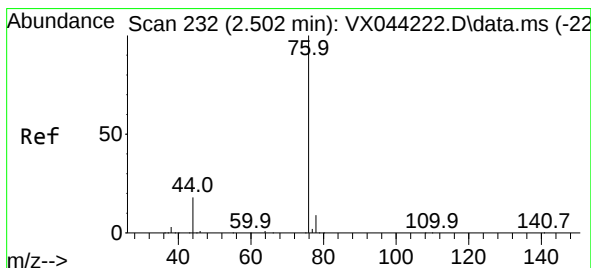
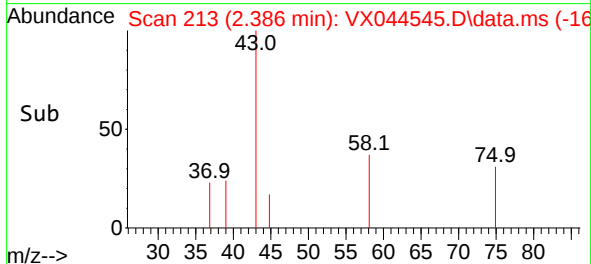
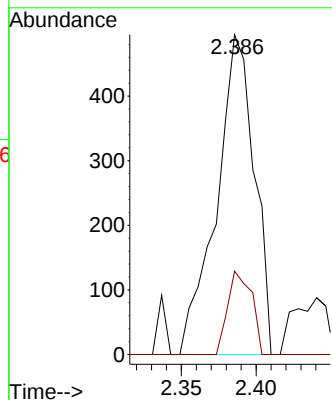
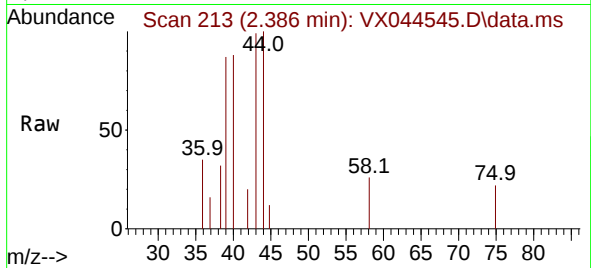




#16
Acetone
Concen: 1.030 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

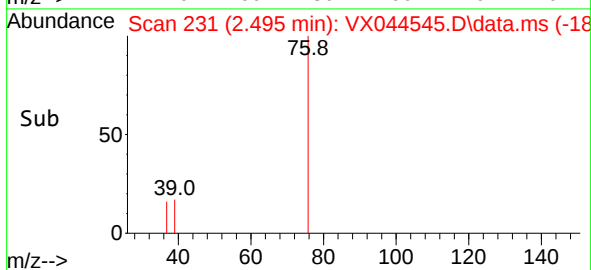
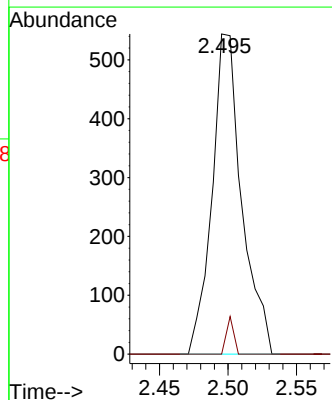
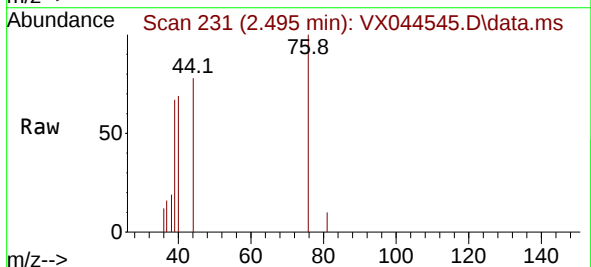
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

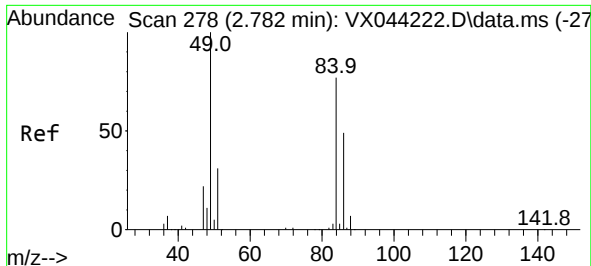
Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
58 26.1 21.6 32.4



#17
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 76 Resp: 821
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

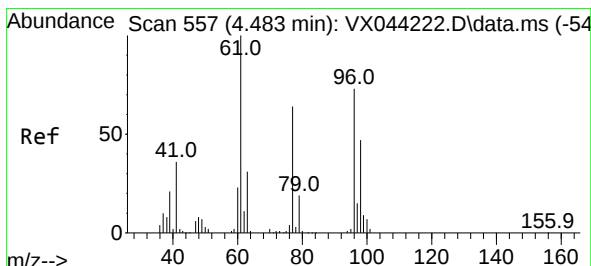
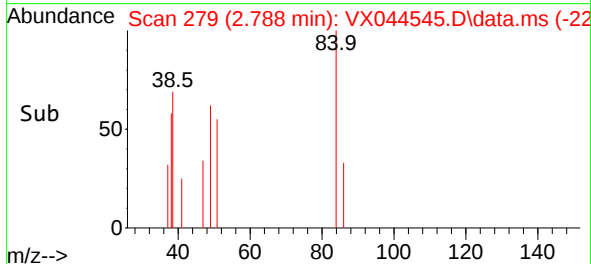
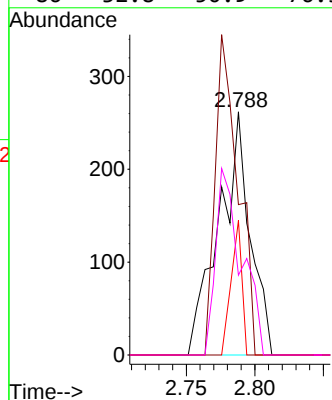
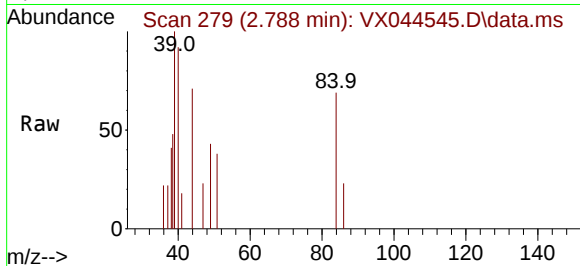




#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

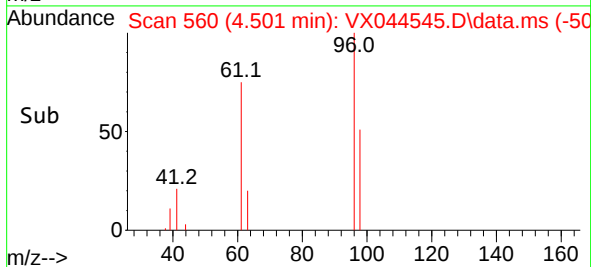
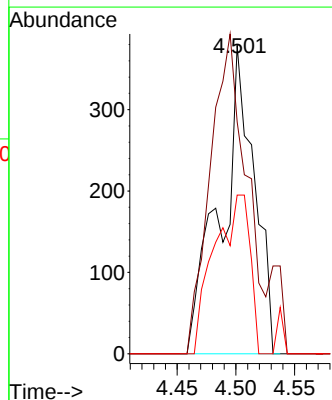
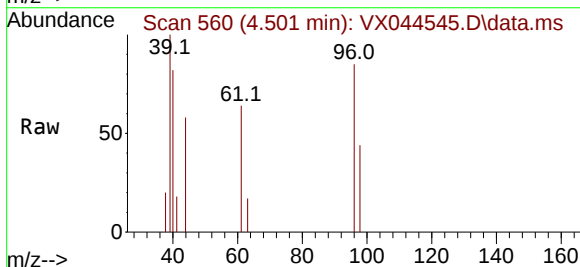
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MSVOA_X
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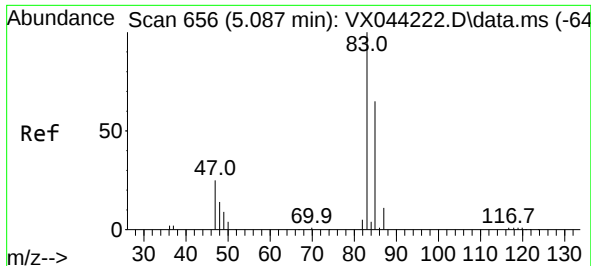
Tgt Ion: 84 Resp: 415
Ion Ratio Lower Upper
84 100
49 61.8 104.2 156.4#
51 55.3 32.2 48.4#
86 32.8 50.9 76.3#



#27
cis-1,2-Dichloroethene
Concen: 0.420 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 96 Resp: 750
Ion Ratio Lower Upper
96 100
61 112.5 0.0 299.0
98 54.7 0.0 129.0





#30

Chloroform

Concen: 0.369 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

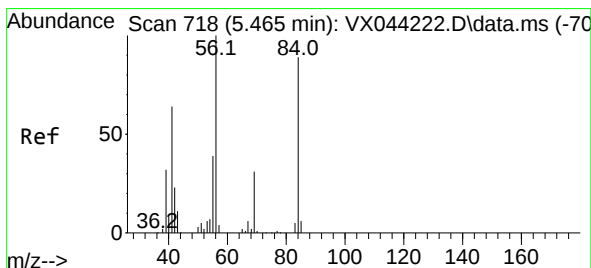
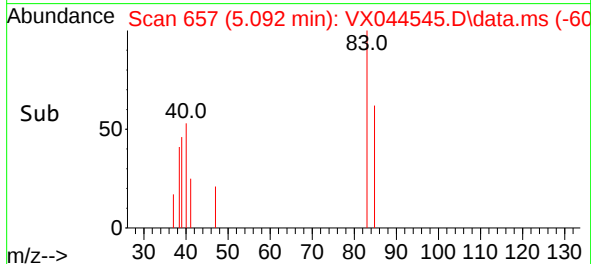
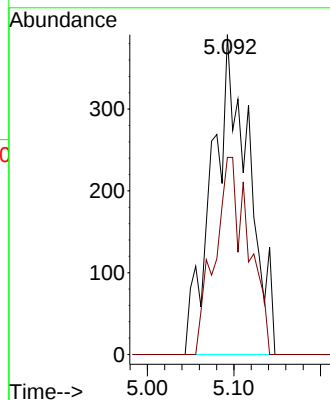
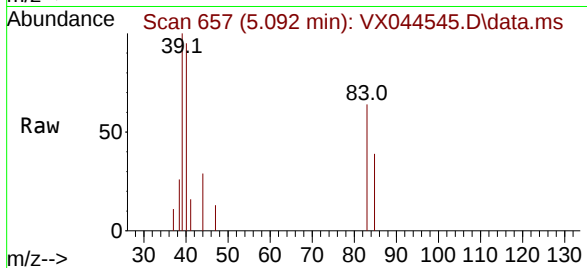
RE132D5-20241217DL

Tgt Ion: 83 Resp: 1146

Ion Ratio Lower Upper

83 100

85 61.6 51.6 77.4



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

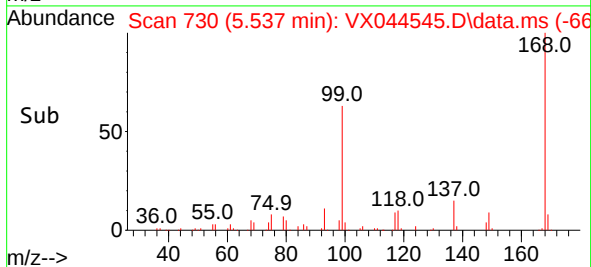
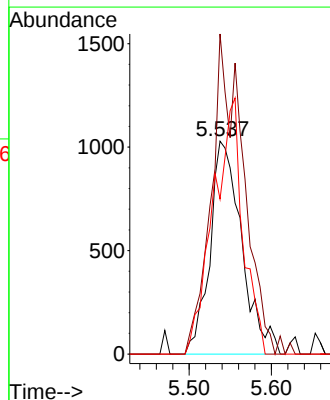
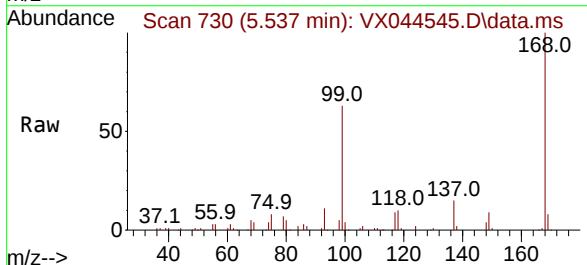
Tgt Ion: 56 Resp: 2765

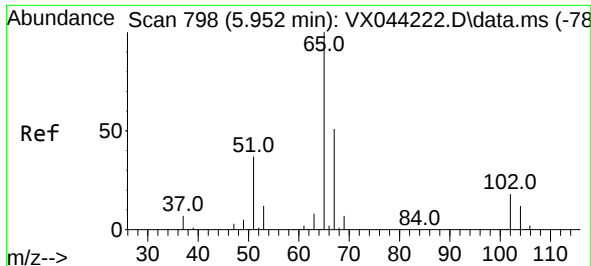
Ion Ratio Lower Upper

56 100

69 150.3 24.7 37.1#

84 72.8 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 44.273 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044545.D

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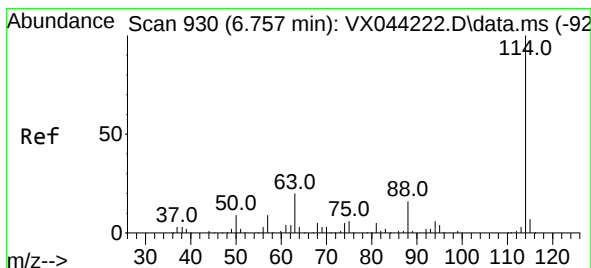
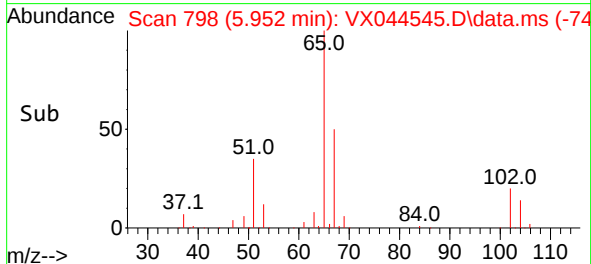
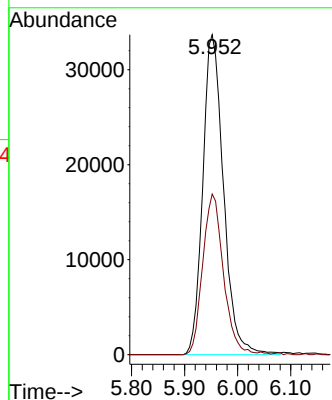
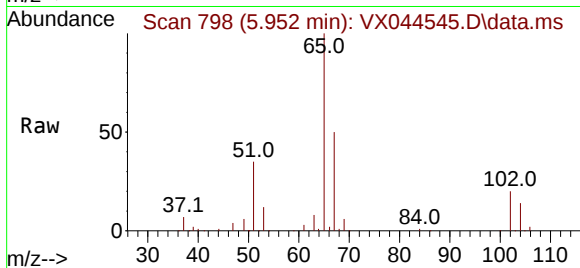
RE132D5-20241217DL

Tgt Ion: 65 Resp: 91587

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

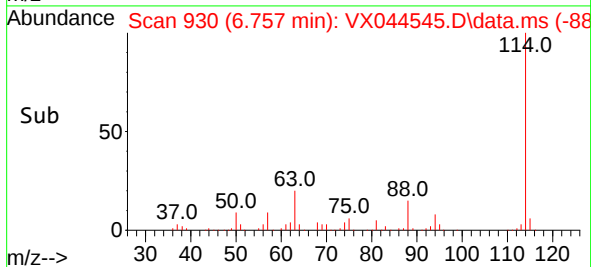
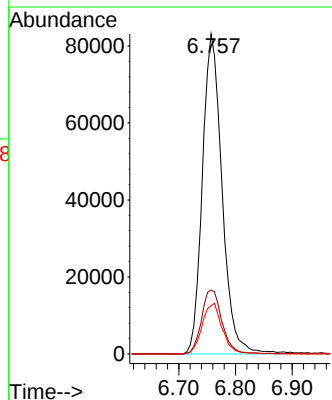
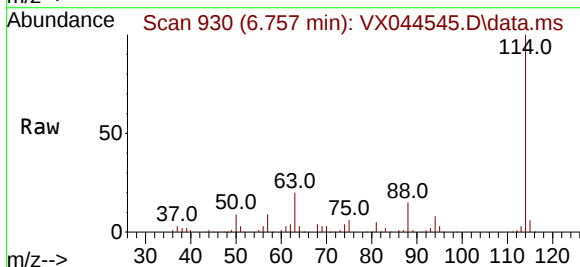
Tgt Ion: 114 Resp: 200283

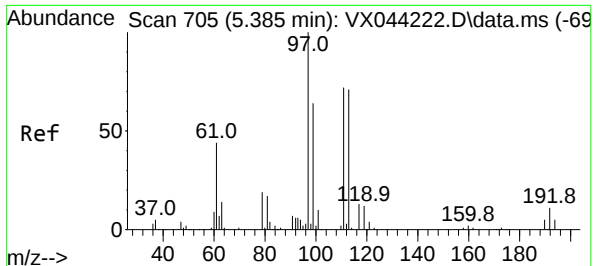
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.288 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044545.D

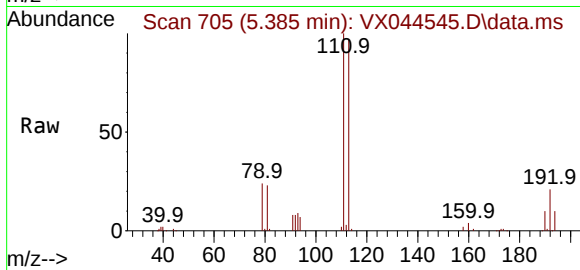
Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217DL



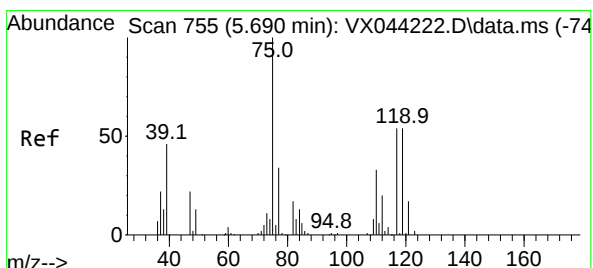
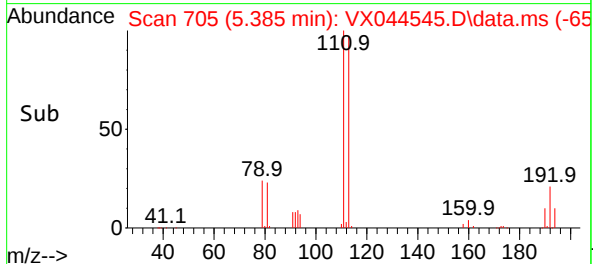
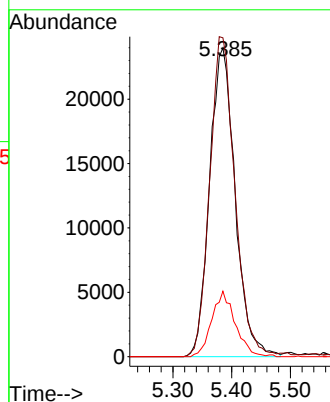
Tgt Ion:113 Resp: 72531

Ion Ratio Lower Upper

113 100

111 101.7 80.4 120.6

192 19.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.324 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

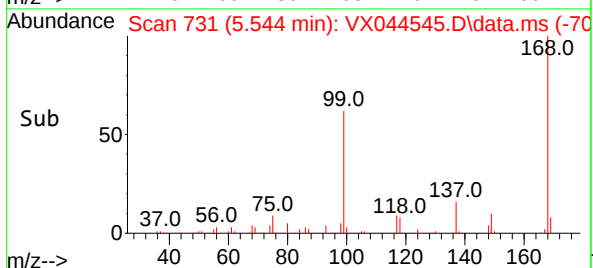
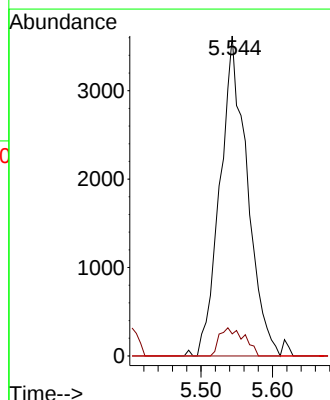
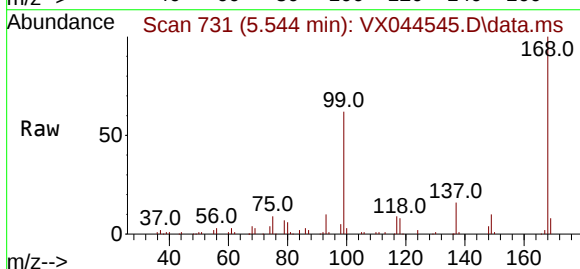
Tgt Ion: 75 Resp: 9546

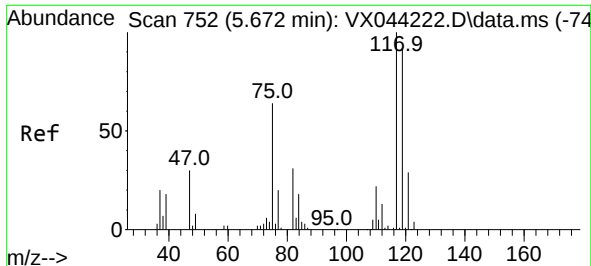
Ion Ratio Lower Upper

75 100

110 8.0 17.3 51.7#

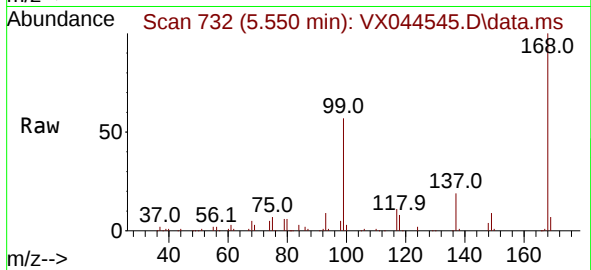
77 0.0 25.4 38.0#



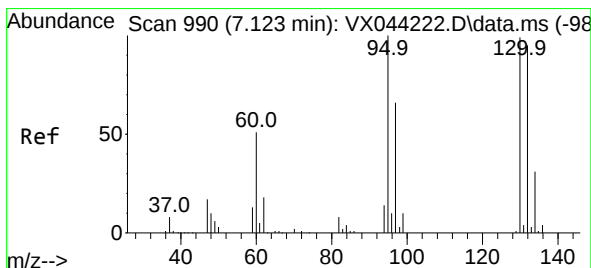
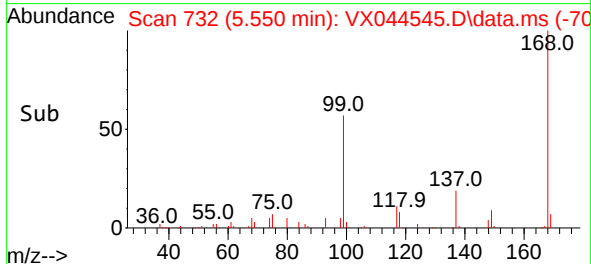
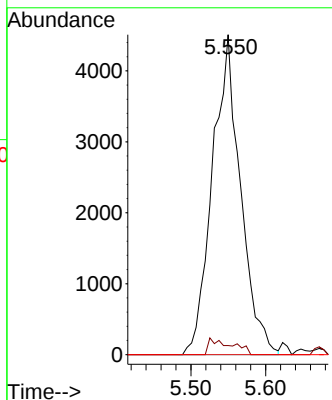


#38
Carbon Tetrachloride
Concen: 6.126 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

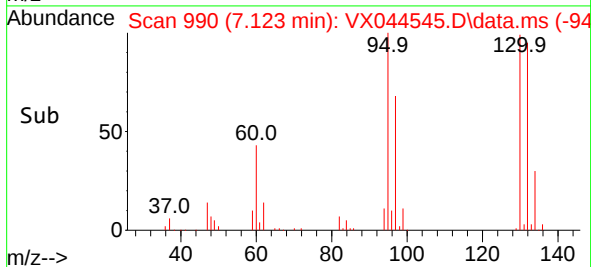
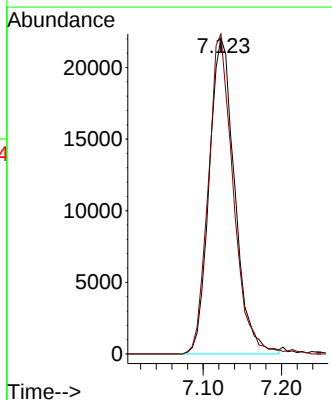
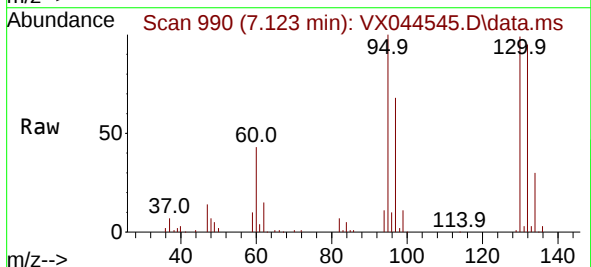


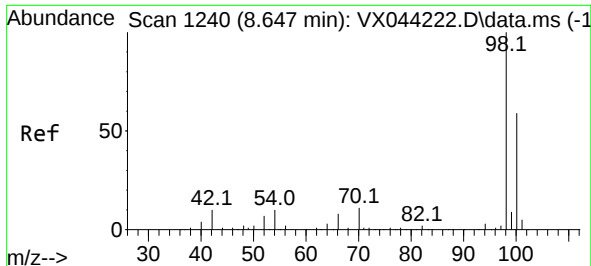
Tgt Ion:117 Resp: 11826
Ion Ratio Lower Upper
117 100
119 2.9 74.2 111.4#
121 0.0 23.0 34.6#



#44
Trichloroethene
Concen: 36.704 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion:130 Resp: 49829
Ion Ratio Lower Upper
130 100
95 101.3 0.0 201.4

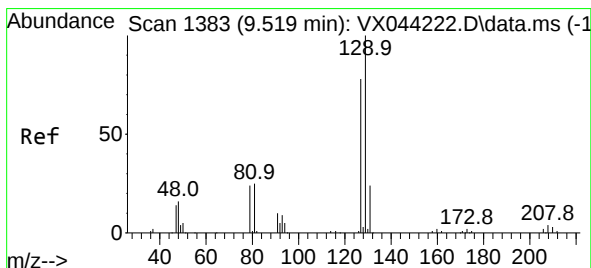
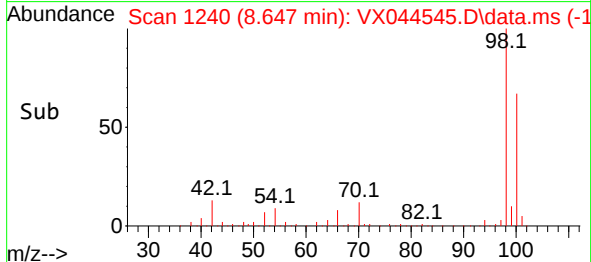
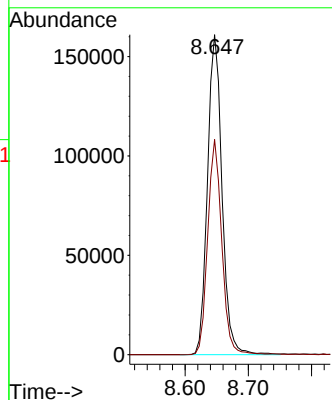
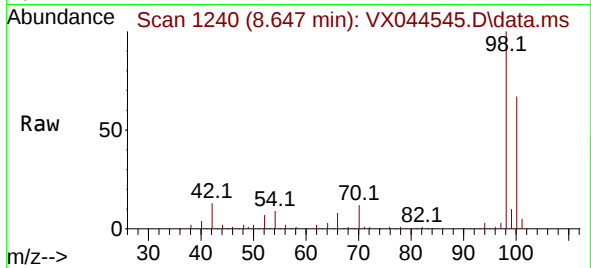




#50
Toluene-d8
Concen: 55.124 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

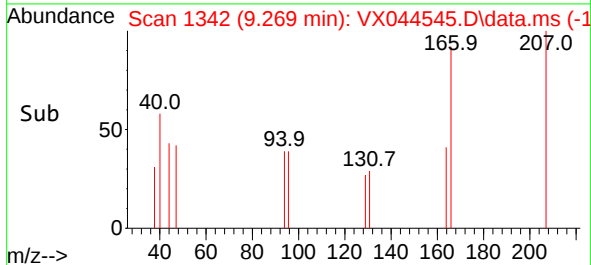
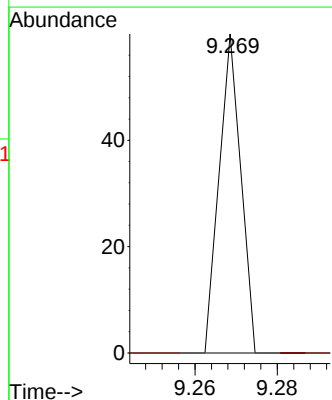
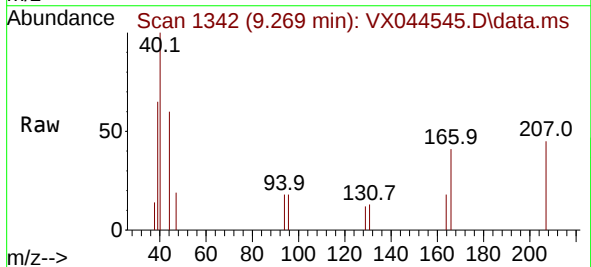
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

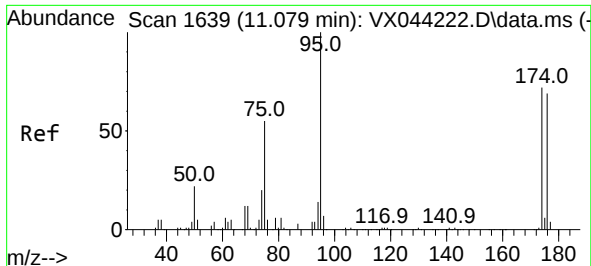
Tgt Ion: 98 Resp: 257969
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3



#60
Dibromochloromethane
Concen: 1.247 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 51.351 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217DL

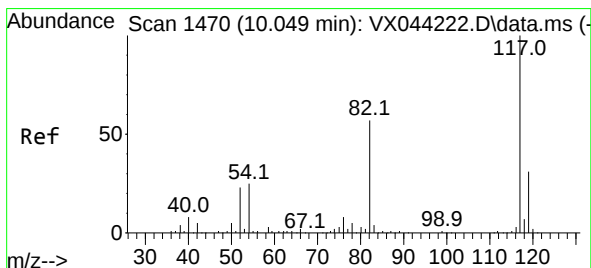
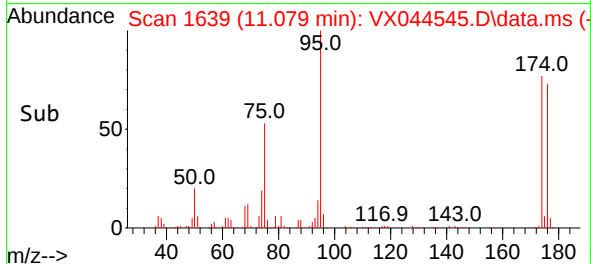
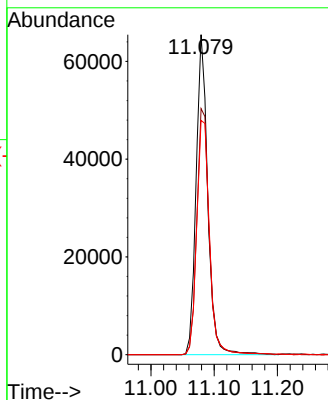
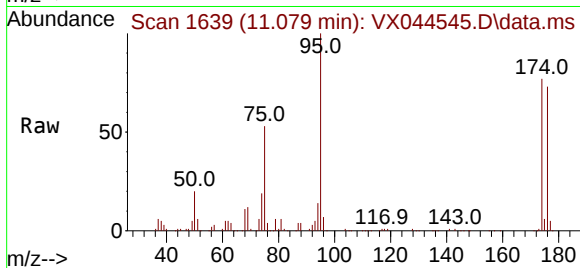
Tgt Ion: 95 Resp: 83972

Ion Ratio Lower Upper

95 100

174 82.3 0.0 145.8

176 80.6 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

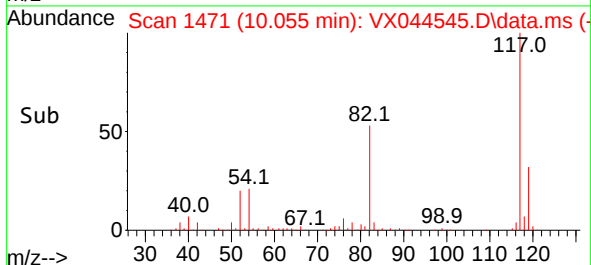
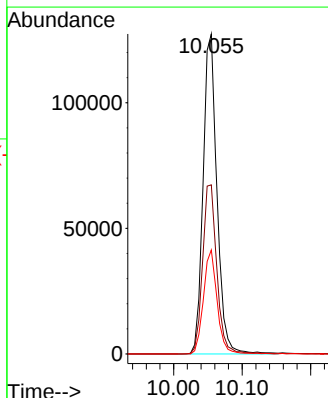
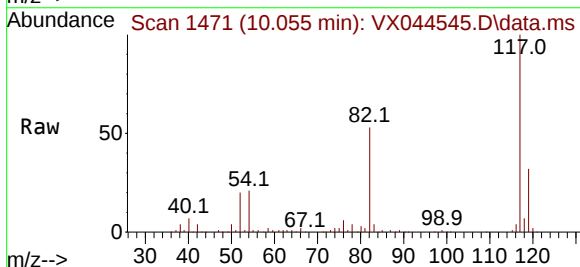
Tgt Ion: 117 Resp: 179426

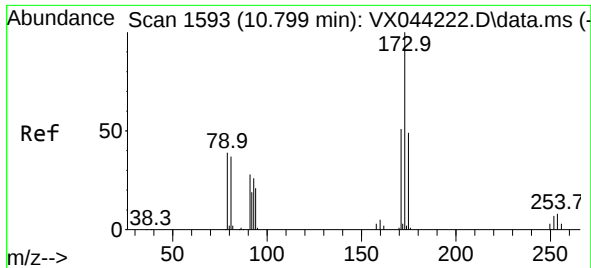
Ion Ratio Lower Upper

117 100

82 52.8 45.8 68.8

119 32.5 25.0 37.4

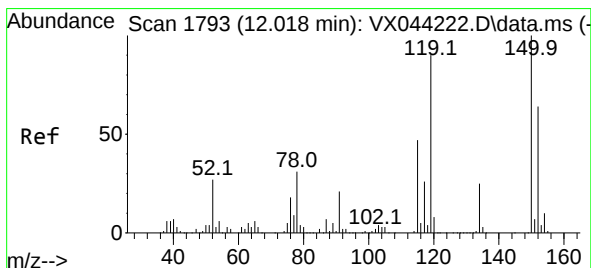
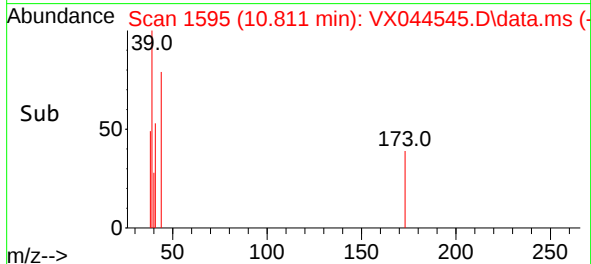
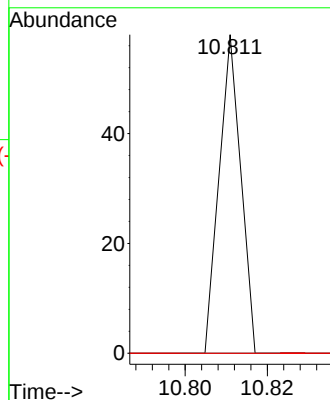
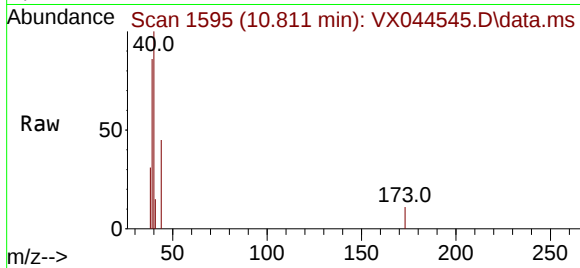




#71
Bromoform
Concen: 1.256 ug/l
RT: 10.811 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

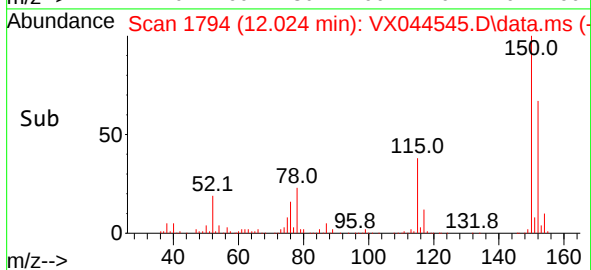
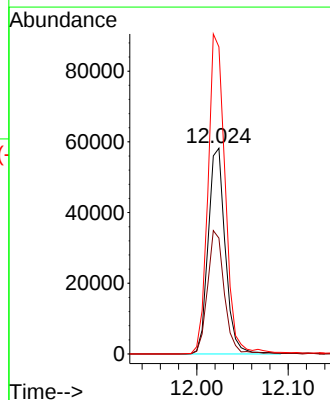
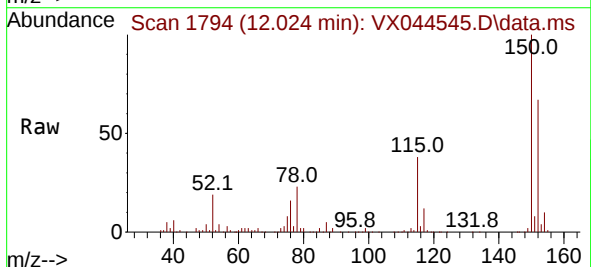
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20241217DL

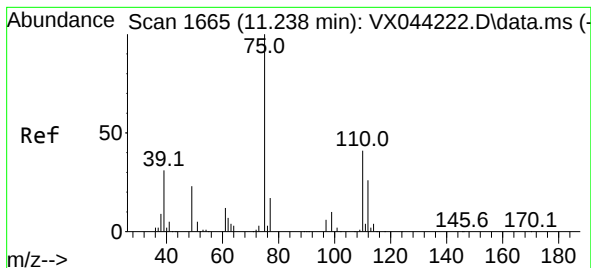
Tgt Ion:173 Resp: 21
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044545.D
Acq: 30 Dec 2024 15:45

Tgt Ion:152 Resp: 75456
Ion Ratio Lower Upper
152 100
115 59.3 44.5 133.3
150 157.4 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 26.647 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

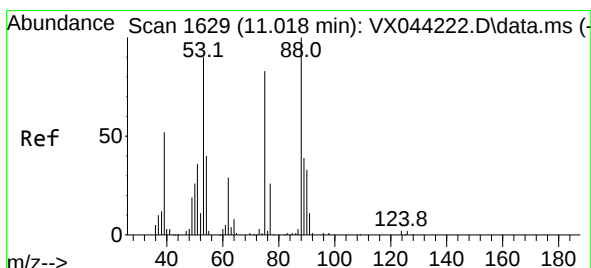
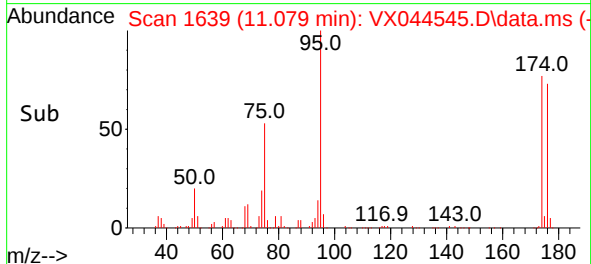
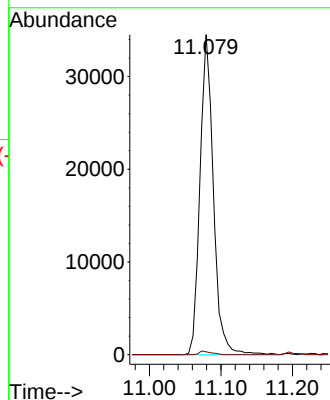
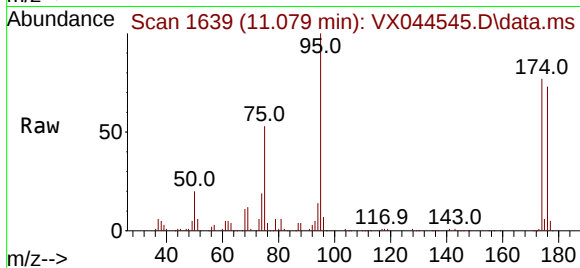
RE132D5-20241217DL

Tgt Ion: 75 Resp: 44894

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.417 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

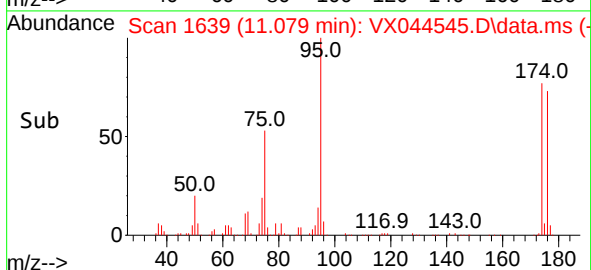
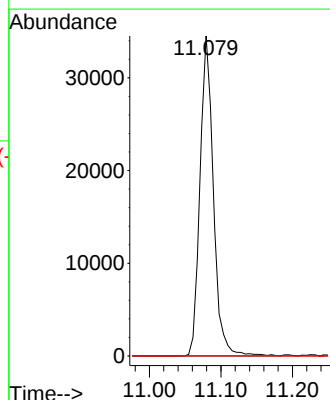
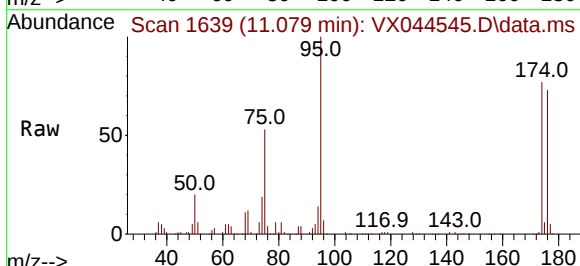
Tgt Ion: 75 Resp: 44894

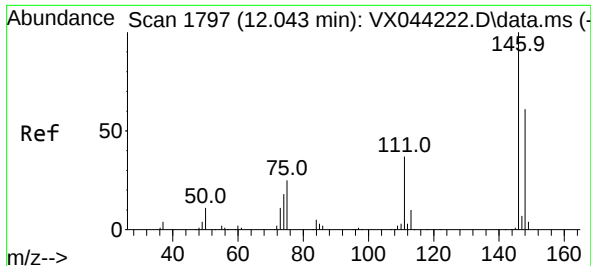
Ion Ratio Lower Upper

75 100

53 0.0 93.6 140.4#

89 0.0 37.3 55.9#





#88

1,4-Dichlorobenzene

Concen: 0.253 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217DL

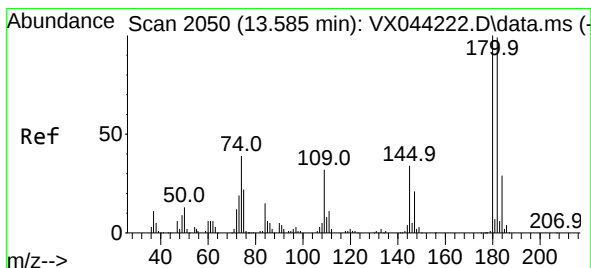
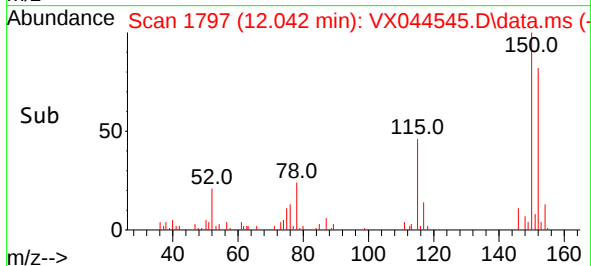
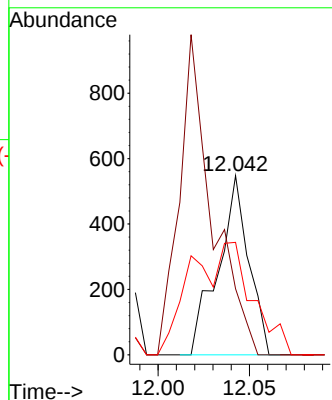
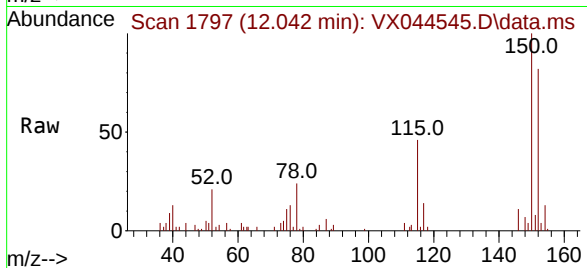
Tgt Ion:146 Resp: 637

Ion Ratio Lower Upper

146 100

111 0.0 21.0 63.0#

148 125.9 32.3 96.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.448 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

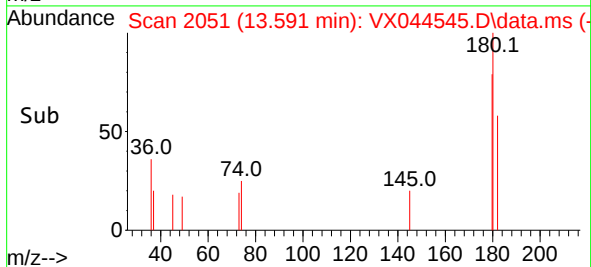
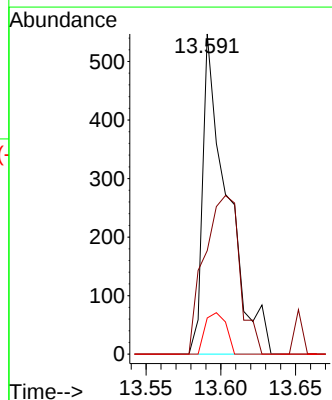
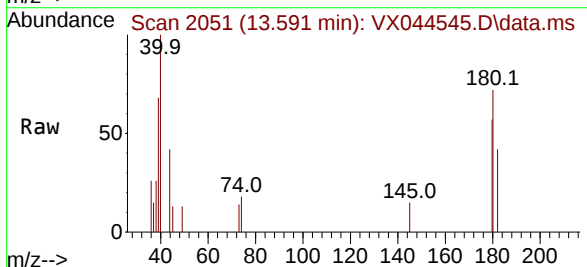
Tgt Ion:180 Resp: 624

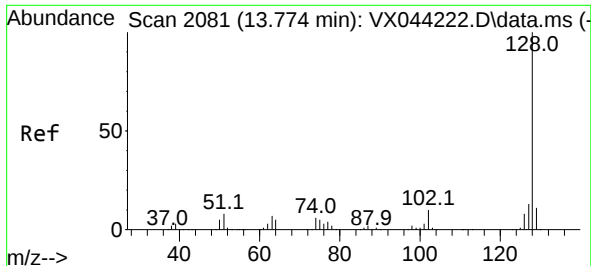
Ion Ratio Lower Upper

180 100

182 71.3 48.0 144.2

145 11.1 16.6 49.7#





#95

Naphthalene

Concen: 0.415 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20241217DL

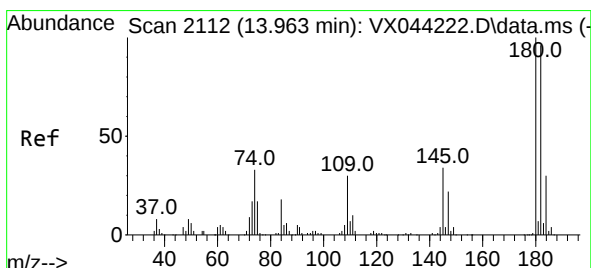
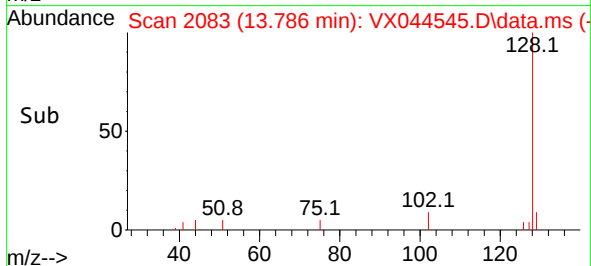
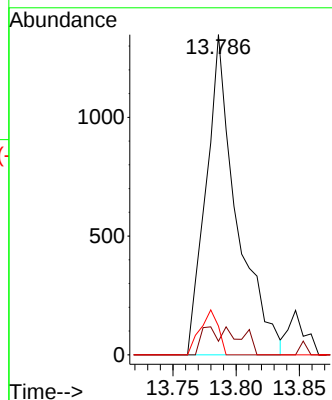
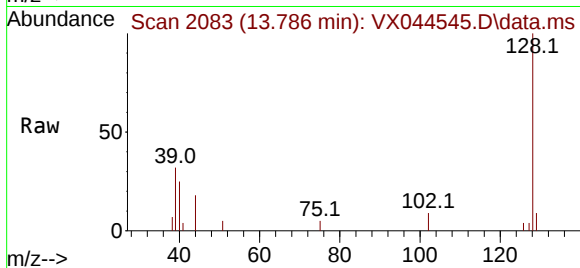
Tgt Ion:128 Resp: 2257

Ion Ratio Lower Upper

128 100

127 4.7 10.5 15.7#

129 8.3 9.0 13.4#



#96

1,2,3-Trichlorobenzene

Concen: 0.301 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX044545.D

Acq: 30 Dec 2024 15:45

Tgt Ion:180 Resp: 444

Ion Ratio Lower Upper

180 100

182 108.8 48.0 144.0

145 13.5 17.7 53.1#

