

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045317.D
 Acq On : 18 Mar 2025 12:07
 Operator : JC/MD
 Sample : Q1559-07DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20250310DL

Quant Time: Mar 19 01:42:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

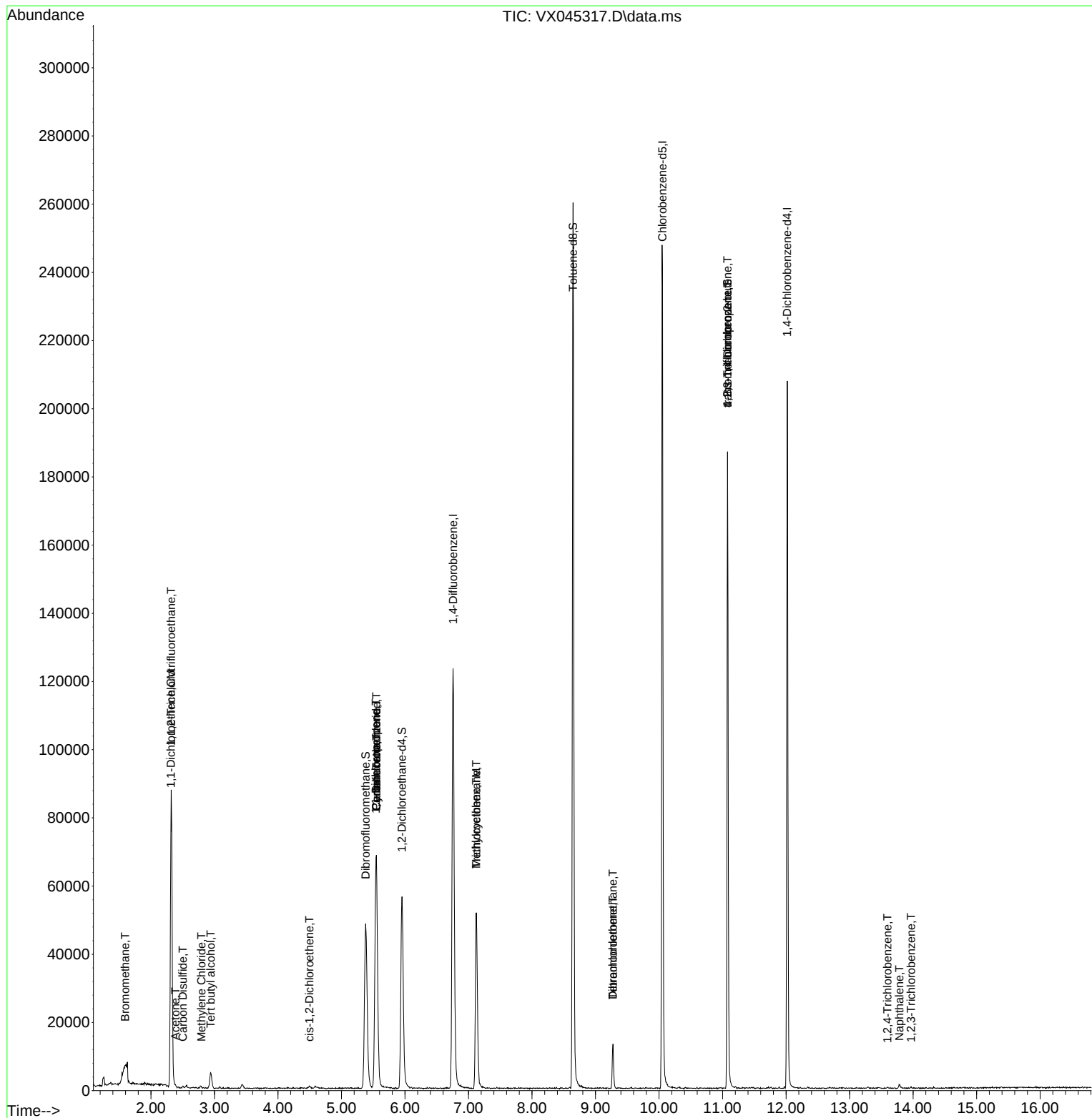
Internal Standards						
1) Pentafluorobenzene	5.550	168	62771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55157	55.242	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.480%
35) Dibromofluoromethane	5.379	113	42722	51.978	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.960%
50) Toluene-d8	8.647	98	149973	50.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.660%
62) 4-Bromofluorobenzene	11.079	95	48011	48.624	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.240%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	143	0.379	ug/l #	63
9) 1,1,2-Trichlorotrifluo...	2.319	101	34396	47.147	ug/l	99
11) Tert butyl alcohol	2.941	59	2902	15.344	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	274	0.355	ug/l	88
16) Acetone	2.386	43	605	1.306	ug/l #	89
17) Carbon Disulfide	2.502	76	605	0.294	ug/l #	77
20) Methylene Chloride	2.794	84	268	0.292	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	397	0.422	ug/l	89
31) Cyclohexane	5.550	56	1799	1.324	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	5765	5.115	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7196	6.288	ug/l #	14
39) Methylcyclohexane	7.123	83	279	0.207	ug/l #	1
44) Trichloroethene	7.123	130	19656	23.518	ug/l	92
60) Dibromochloromethane	9.275	129	2349	2.613	ug/l #	11
64) Tetrachloroethene	9.275	164	2335	3.409	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	27028	29.212	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	27028	99.969	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	189	0.253	ug/l #	77
95) Naphthalene	13.786	128	1460	0.509	ug/l #	81
96) 1,2,3-Trichlorobenzene	13.969	180	280	0.356	ug/l #	63

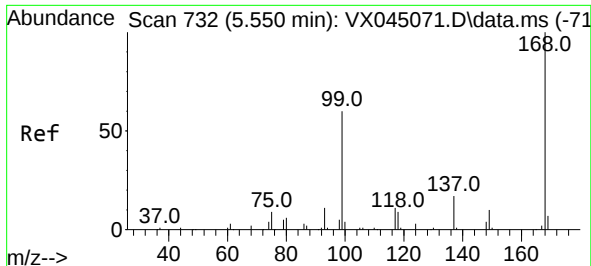
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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RE125D3-20250310DL

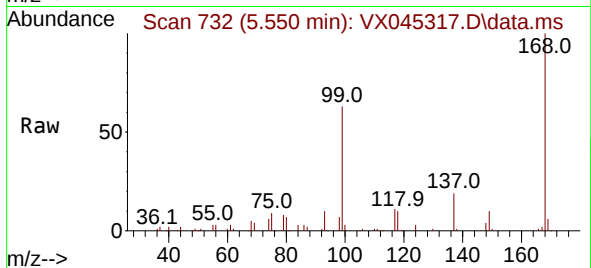
Quant Time: Mar 19 01:42:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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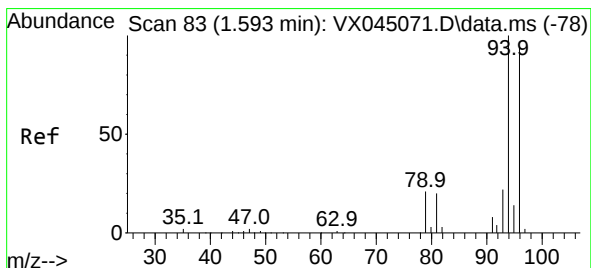
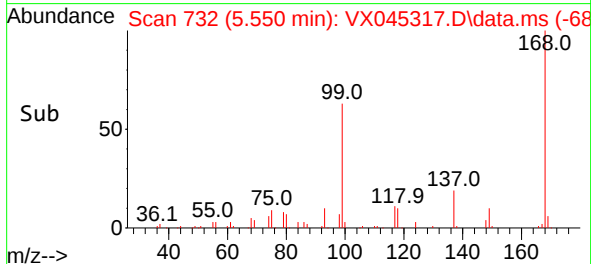
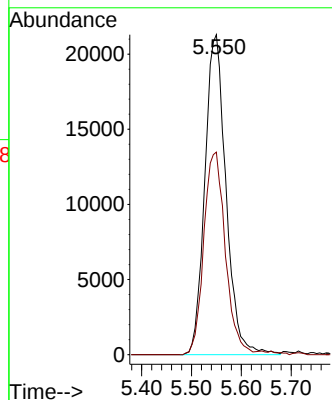


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

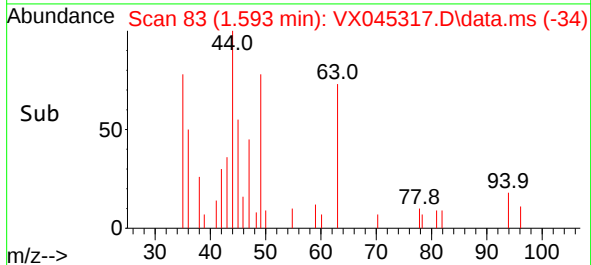
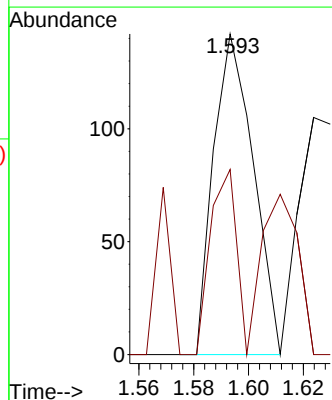
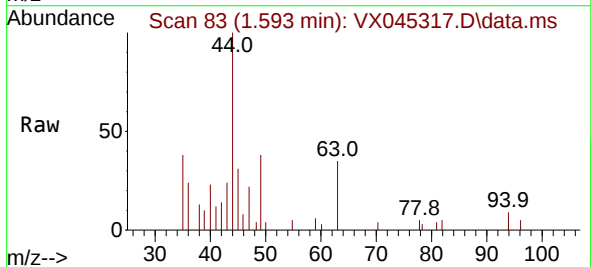


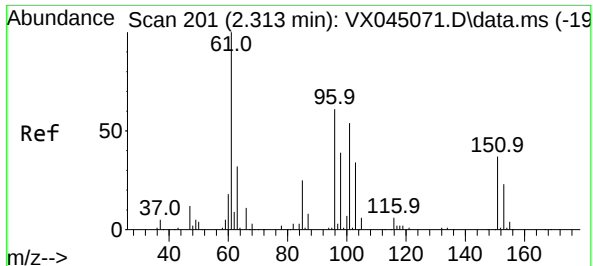
Tgt Ion:168 Resp: 62771
Ion Ratio Lower Upper
168 100
99 63.3 48.2 72.4



#5
Bromomethane
Concen: 0.379 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

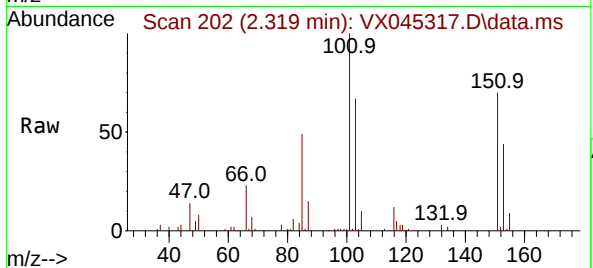
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 57.7 75.0 112.4#



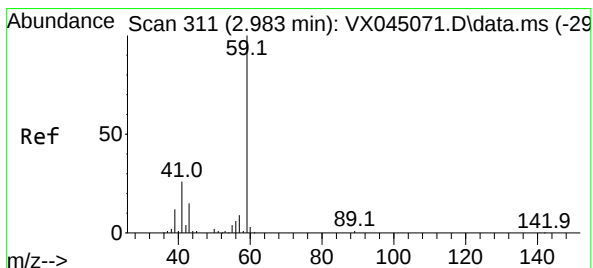
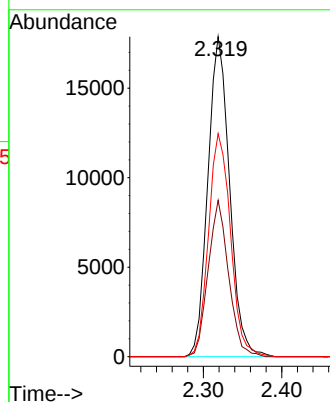
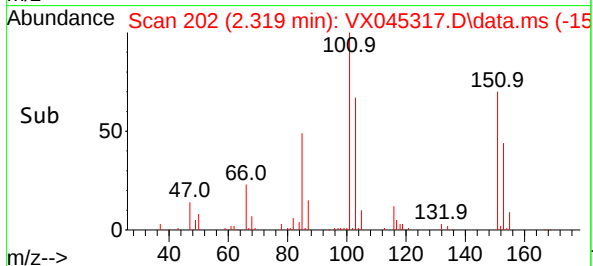


#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.147 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

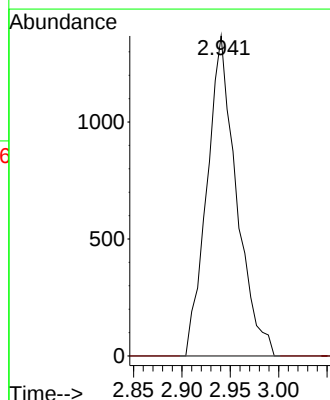
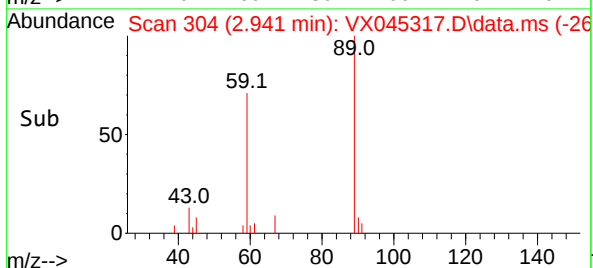
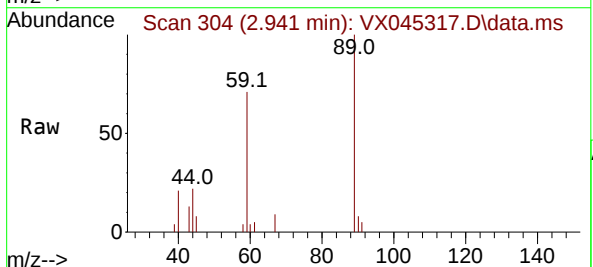


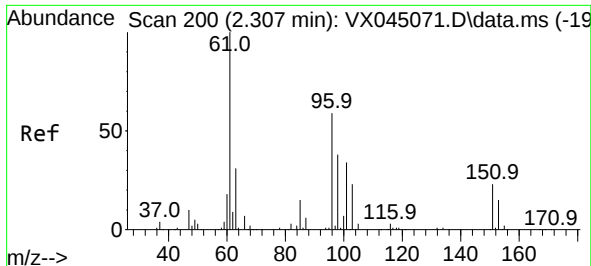
Tgt Ion:101 Resp: 34396
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 70.8 56.4 84.6



#11
Tert butyl alcohol
Concen: 15.344 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion: 59 Resp: 2902
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.355 ug/l

RT: 2.313 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045317.D

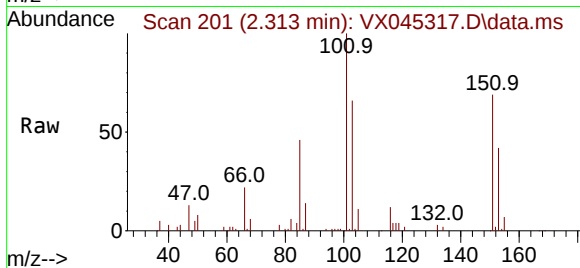
Acq: 18 Mar 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310DL



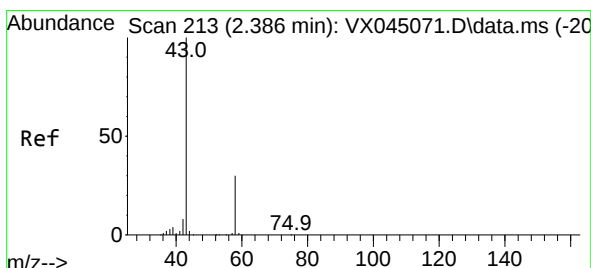
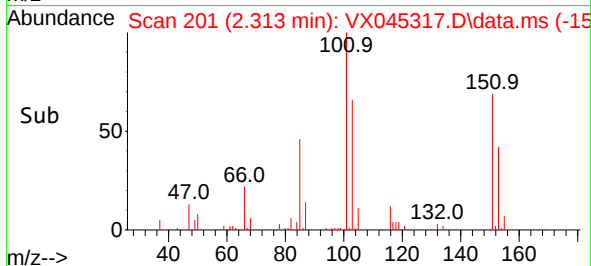
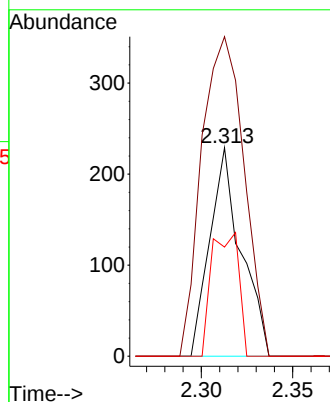
Tgt Ion: 96 Resp: 274

Ion Ratio Lower Upper

96 100

61 153.3 134.6 202.0

98 52.4 51.0 76.6



#16

Acetone

Concen: 1.306 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045317.D

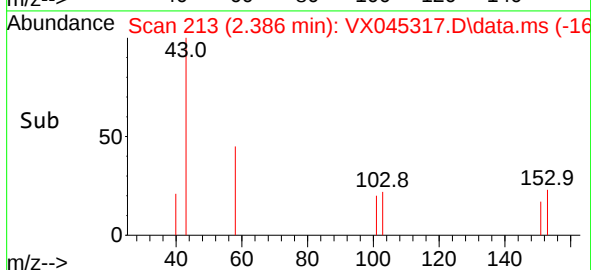
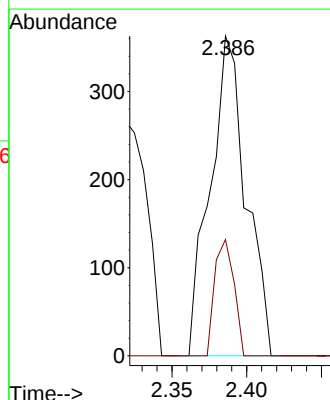
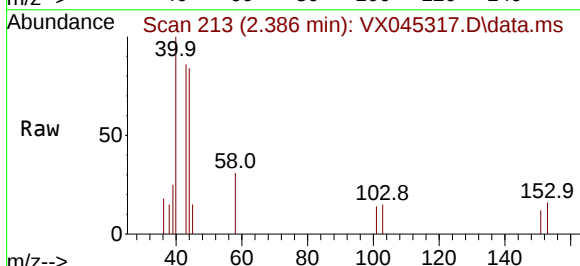
Acq: 18 Mar 2025 12:07

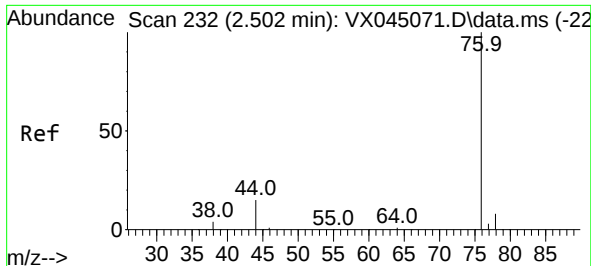
Tgt Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

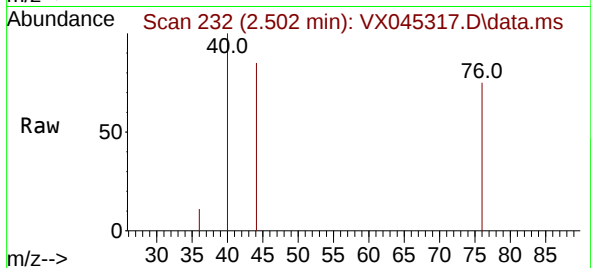
58 36.4 24.2 36.4#



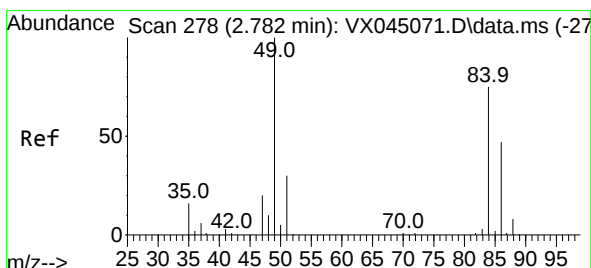
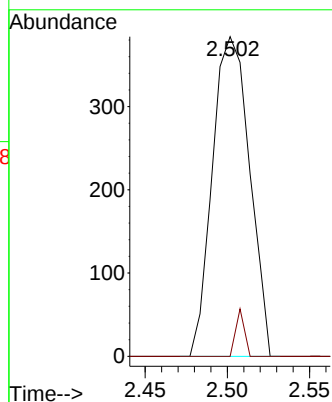
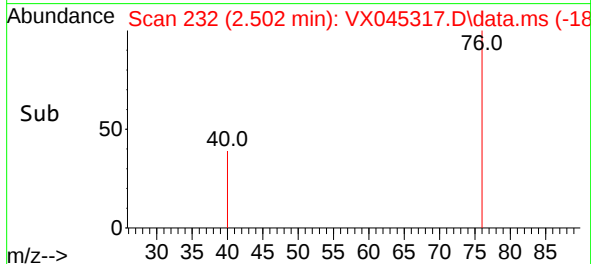


#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

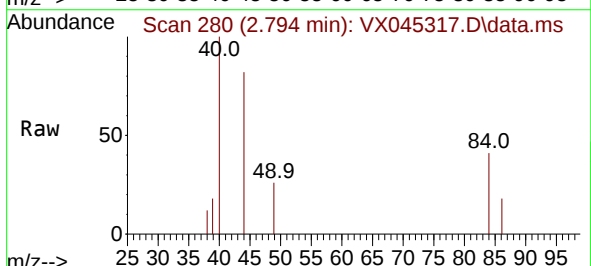
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL



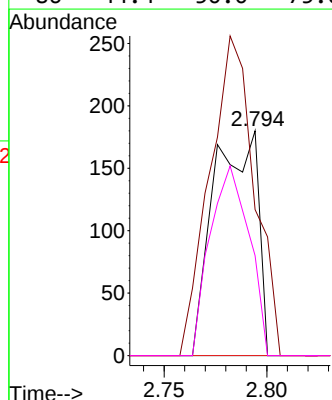
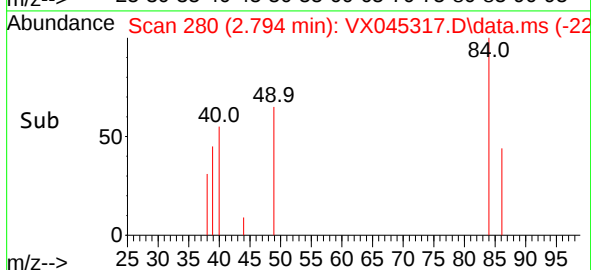
Tgt Ion: 76 Resp: 605
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#

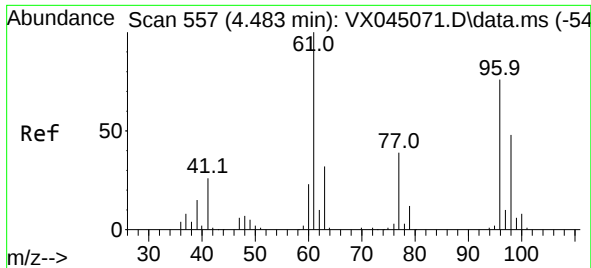


#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07



Tgt Ion: 84 Resp: 268
Ion Ratio Lower Upper
84 100
49 65.0 106.5 159.7#
51 0.0 32.1 48.1#
86 44.4 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 0.422 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045317.D

Acq: 18 Mar 2025 12:07

Instrument :

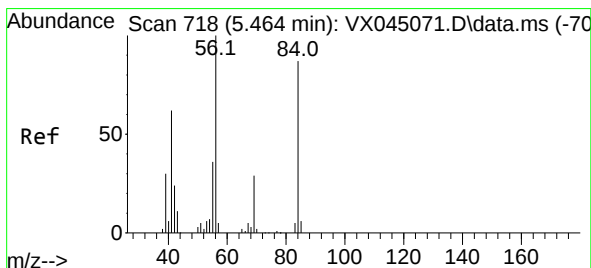
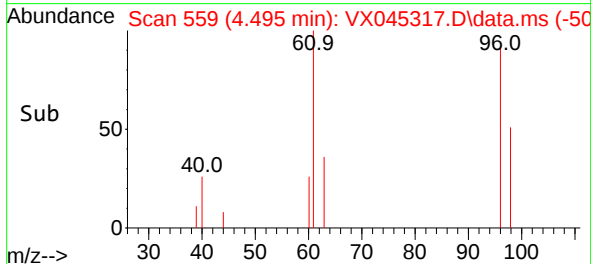
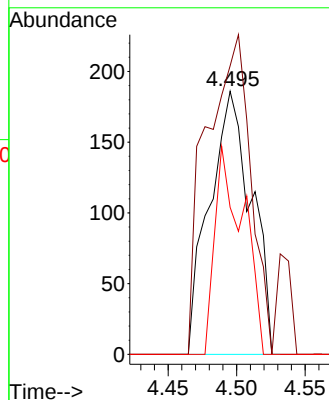
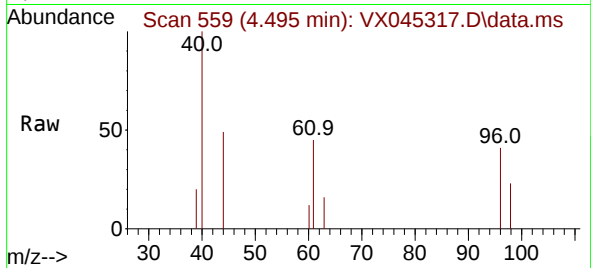
MSVOA_X

ClientSampleId :

RE125D3-20250310DL

Tgt Ion: 96 Resp: 397

Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	283.2
98	53.7	0.0	128.0



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 5.550 min Scan# 732

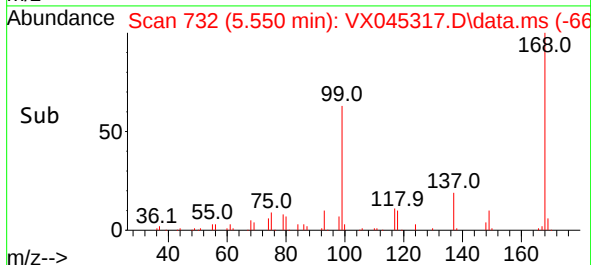
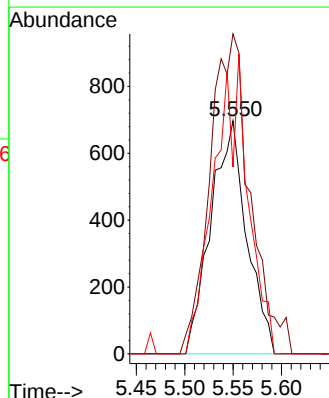
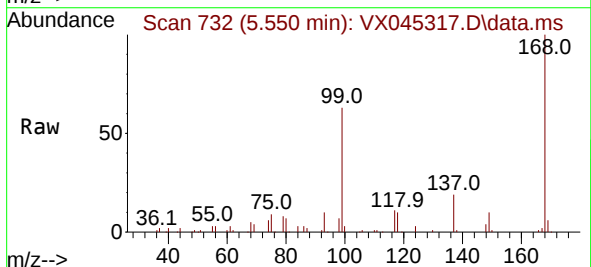
Delta R.T. 0.085 min

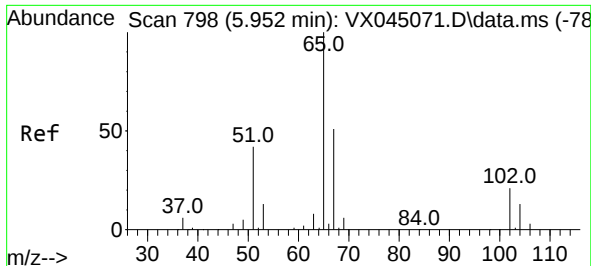
Lab File: VX045317.D

Acq: 18 Mar 2025 12:07

Tgt Ion: 56 Resp: 1799

Ion	Ratio	Lower	Upper
56	100		
69	137.3	23.4	35.2#
84	80.2	69.4	104.2

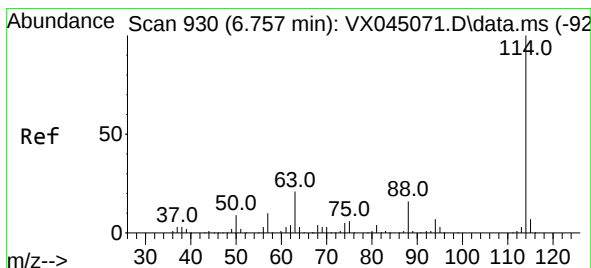
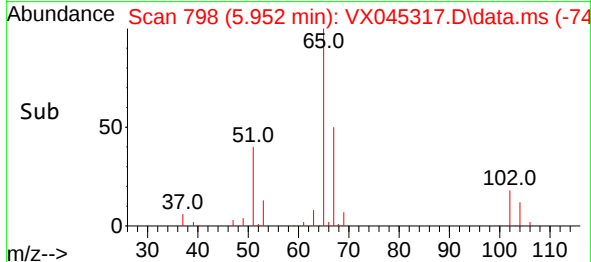
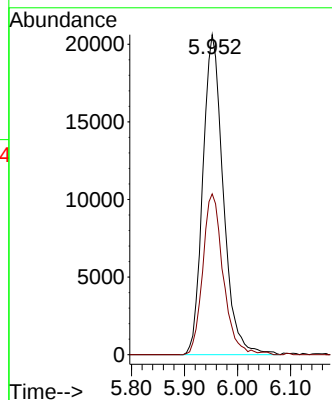
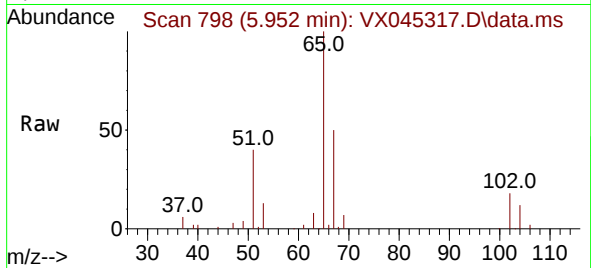




#33
 1,2-Dichloroethane-d4
 Concen: 55.242 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

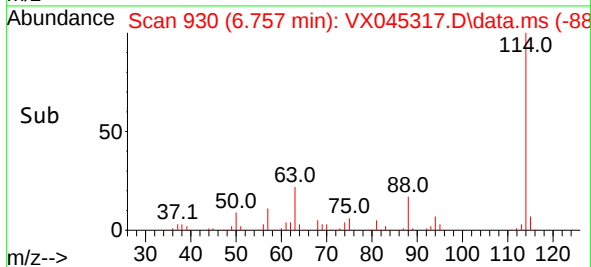
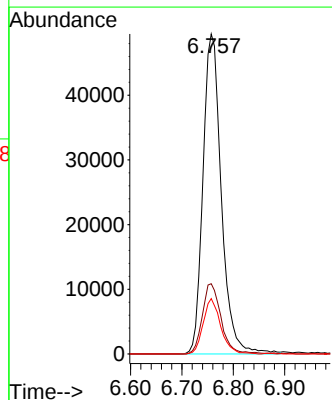
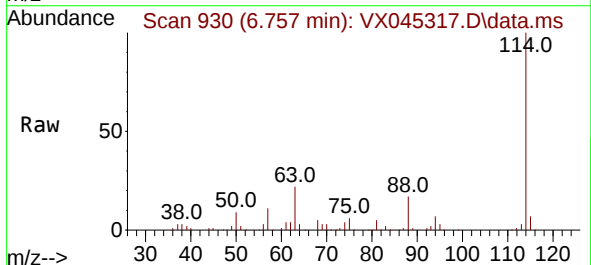
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 RE125D3-20250310DL

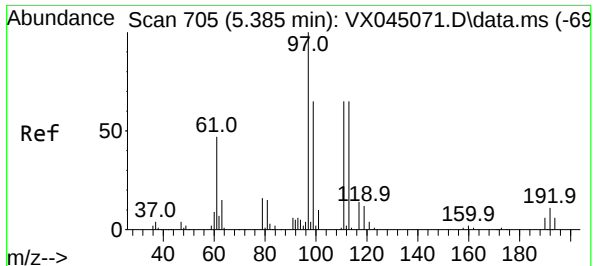
Tgt Ion: 65 Resp: 55157
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

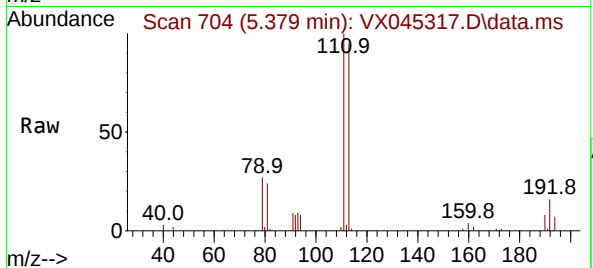
Tgt Ion: 114 Resp: 122918
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.8
 88 17.3 0.0 32.8



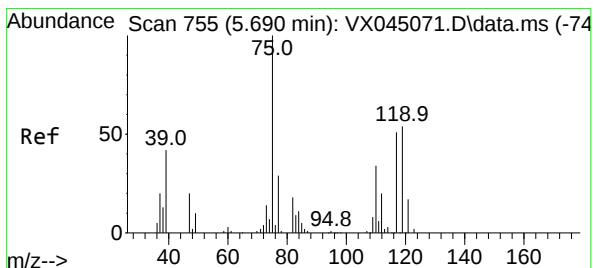
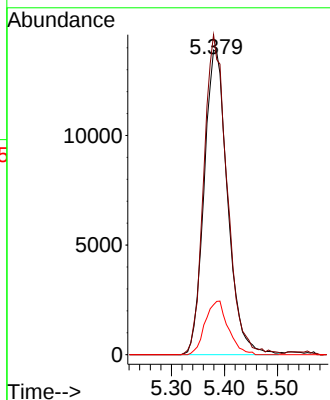
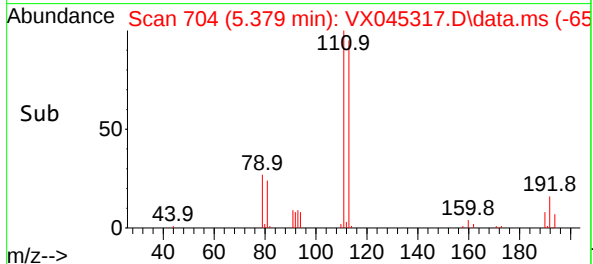


#35
Dibromofluoromethane
Concen: 51.978 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

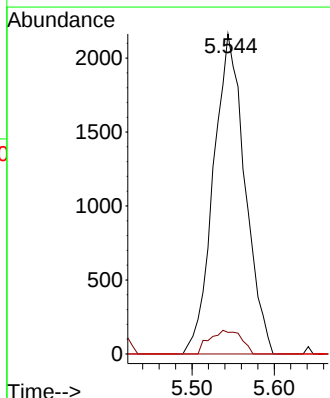
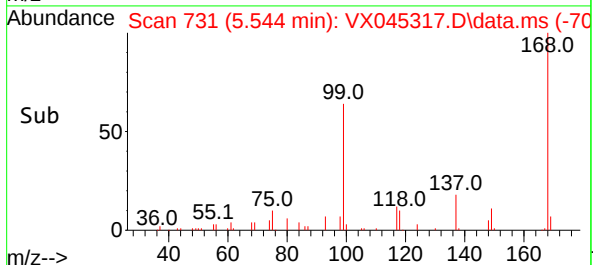
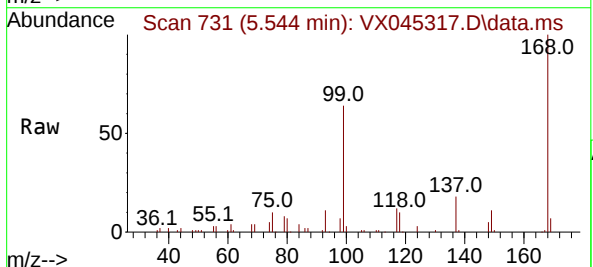


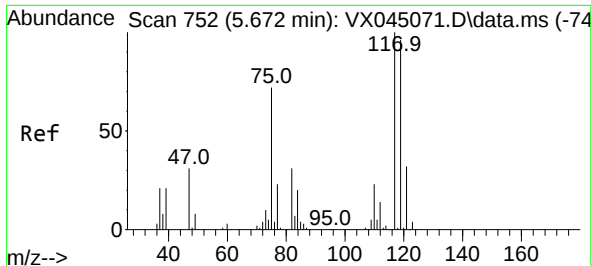
Tgt Ion:113 Resp: 42722
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.6
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

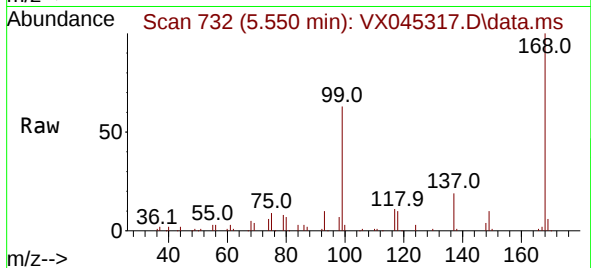
Tgt Ion: 75 Resp: 5765
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.6#
77 0.0 24.5 36.7#



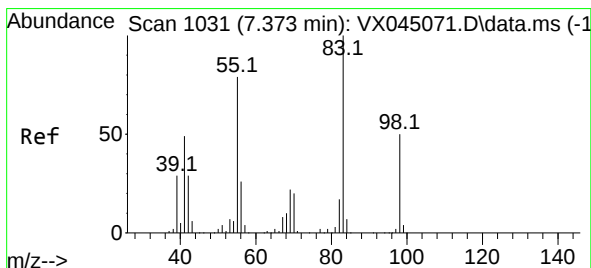
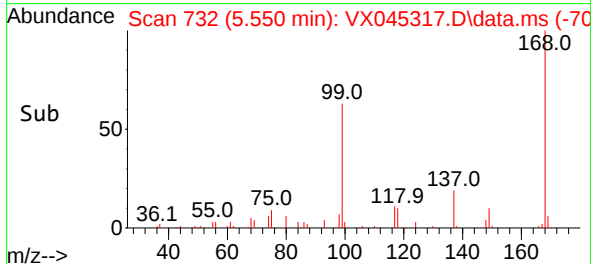
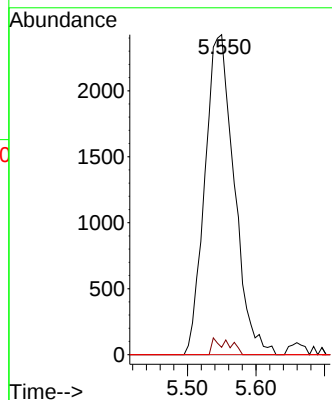


#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

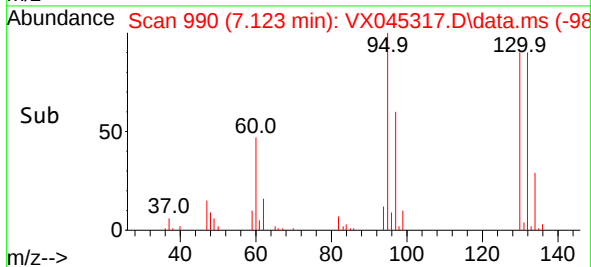
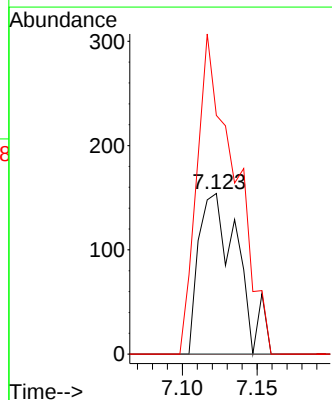
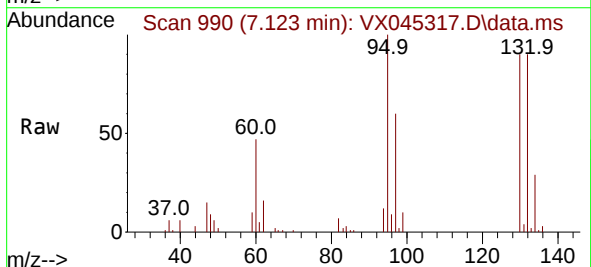


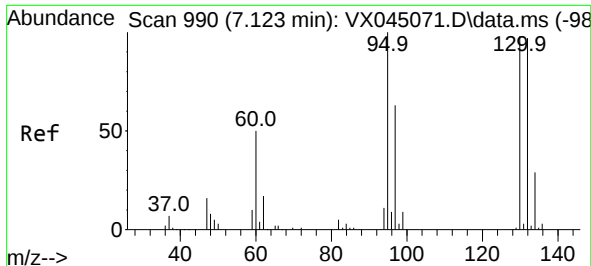
Tgt Ion:117 Resp: 7196
Ion Ratio Lower Upper
117 100
119 2.3 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.207 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion: 83 Resp: 279
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 148.7 39.7 59.5#

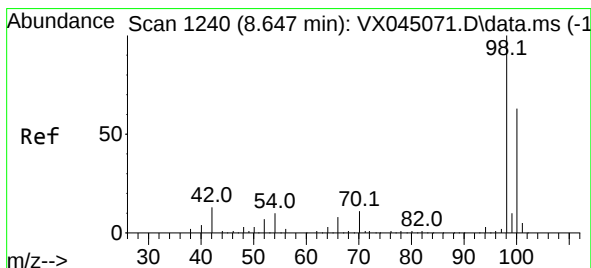
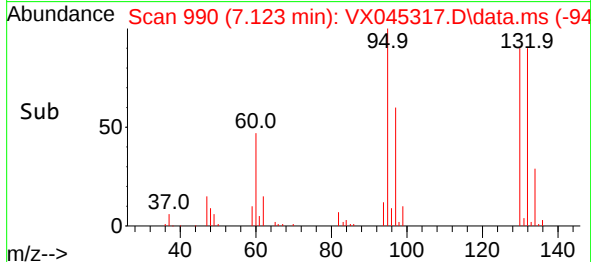
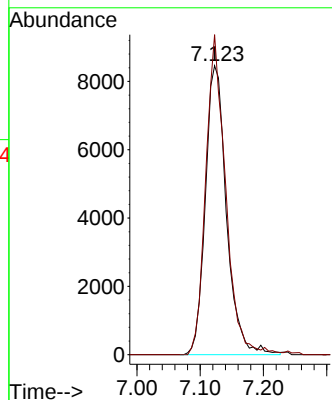
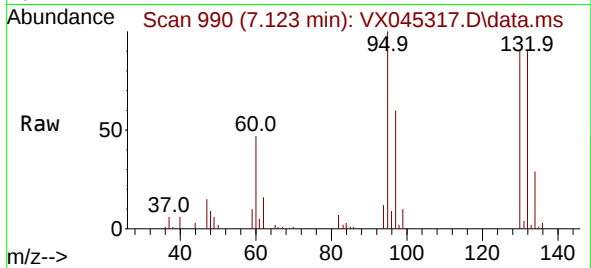




#44
Trichloroethene
Concen: 23.518 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

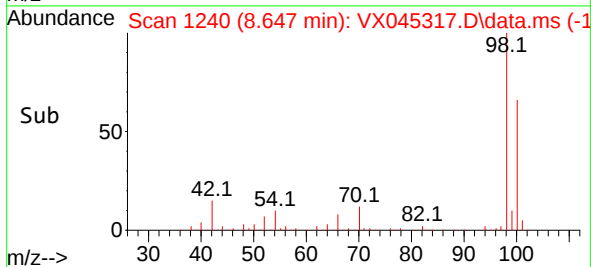
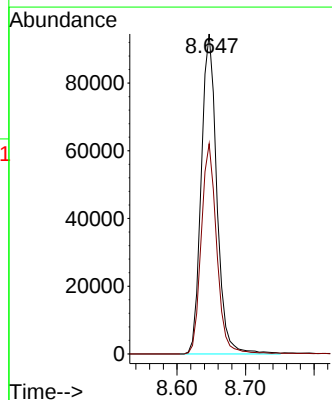
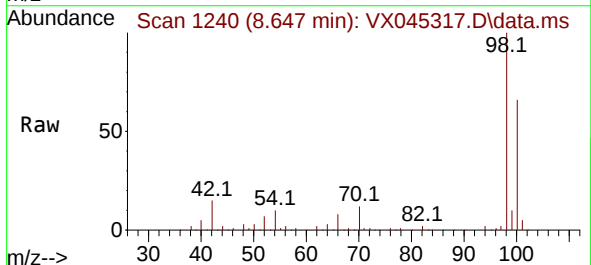
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

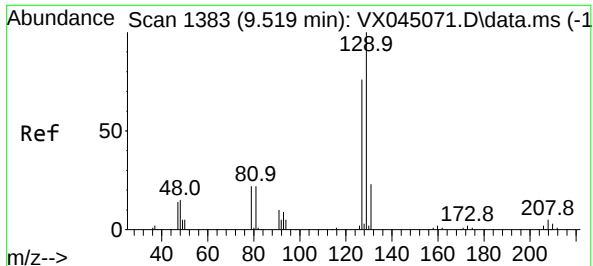
Tgt Ion:130 Resp: 19656
Ion Ratio Lower Upper
130 100
95 110.7 0.0 205.0



#50
Toluene-d8
Concen: 50.331 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion: 98 Resp: 149973
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

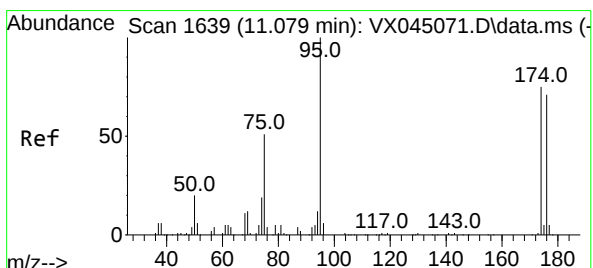
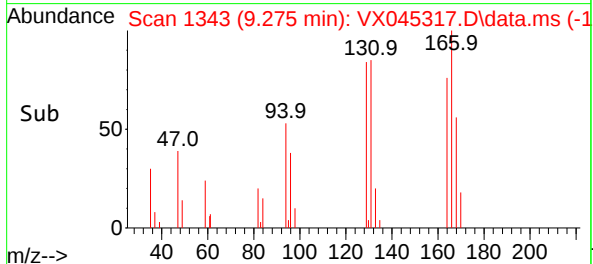
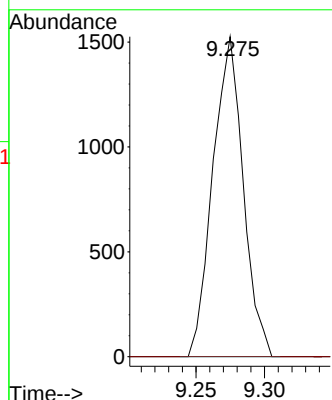
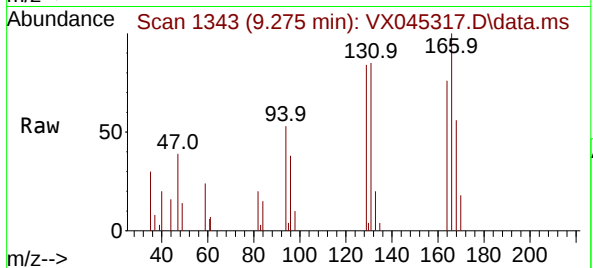




#60
Dibromochloromethane
Concen: 2.613 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

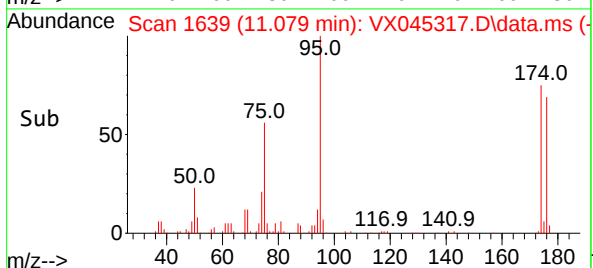
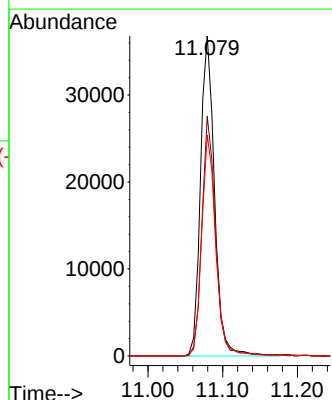
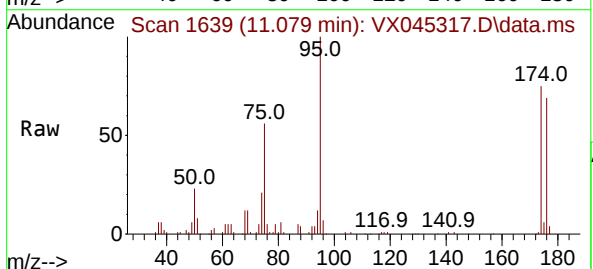
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

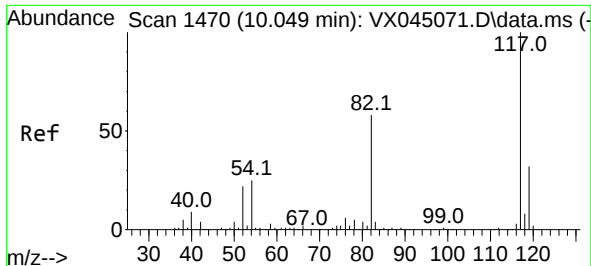
Tgt Ion:129 Resp: 2349
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 48.624 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion: 95 Resp: 48011
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.2
176 68.8 0.0 141.4

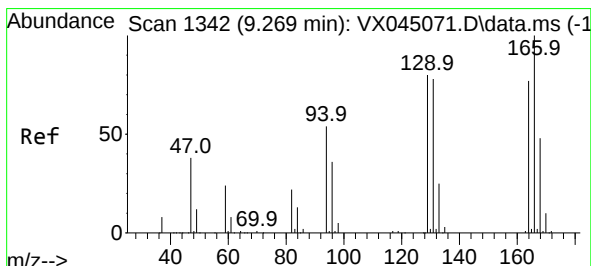
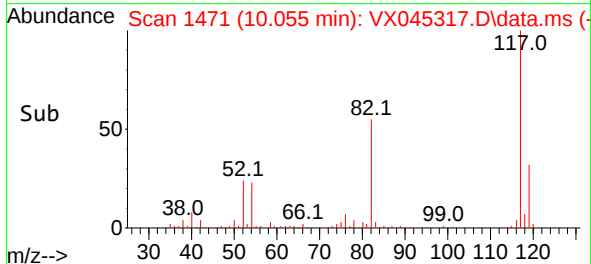
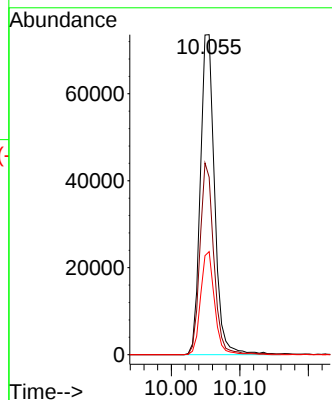
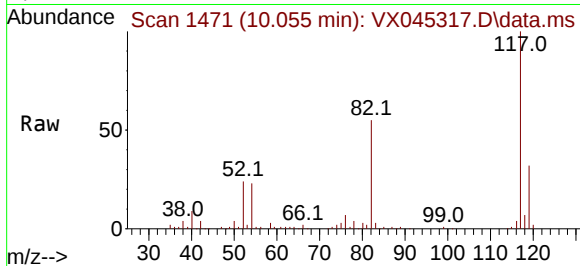




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

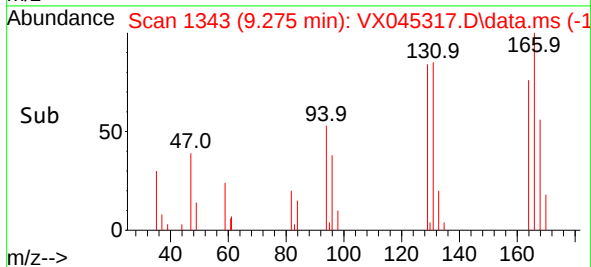
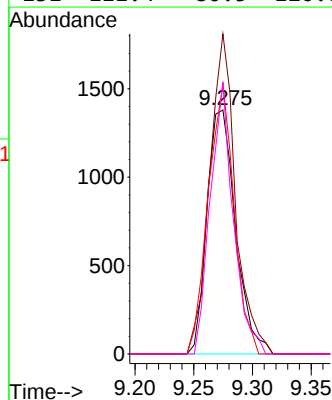
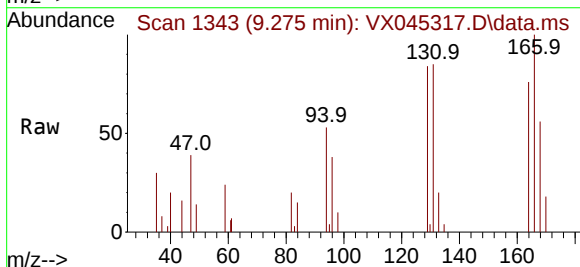
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310DL

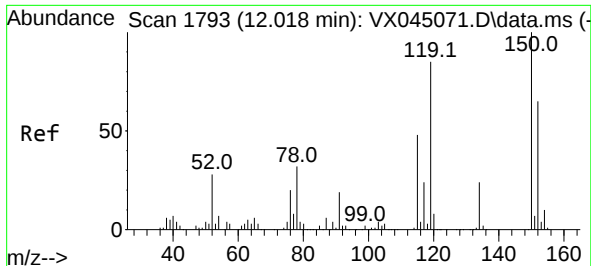
Tgt Ion:117 Resp: 106951
Ion Ratio Lower Upper
117 100
82 55.5 46.3 69.5
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 3.409 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045317.D
Acq: 18 Mar 2025 12:07

Tgt Ion:164 Resp: 2335
Ion Ratio Lower Upper
164 100
166 131.2 103.6 155.4
129 110.6 82.7 124.1
131 111.4 80.5 120.7

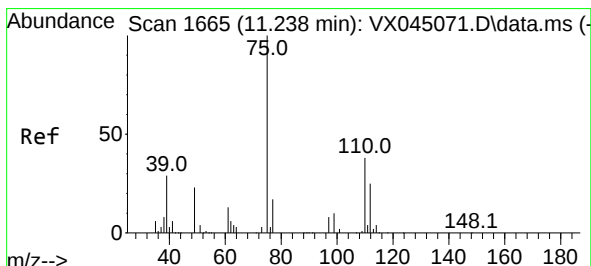
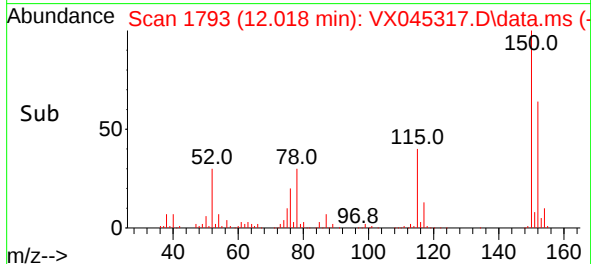
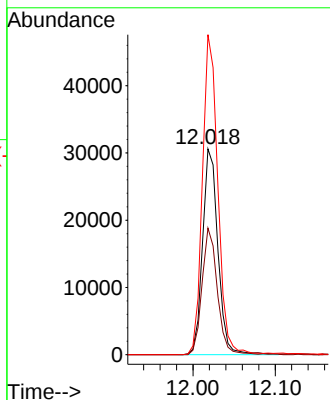
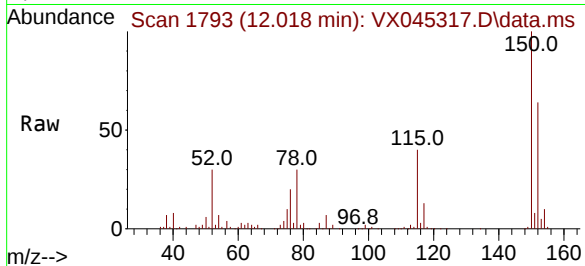




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

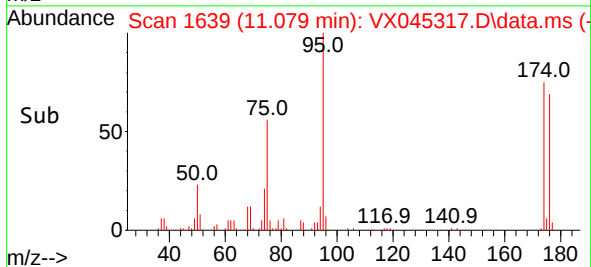
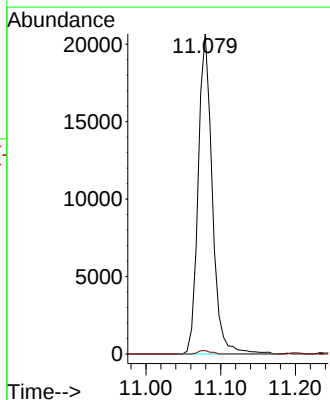
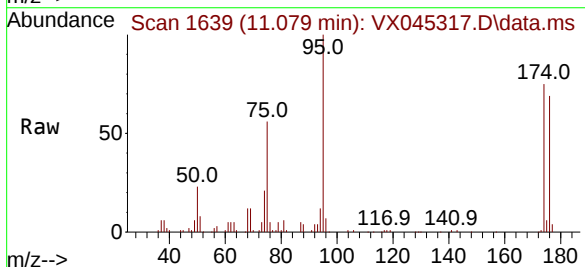
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20250310DL

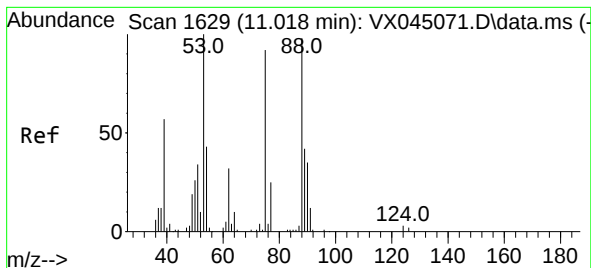
Tgt Ion:152 Resp: 39752
 Ion Ratio Lower Upper
 152 100
 115 61.0 44.2 132.6
 150 155.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.212 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

Tgt Ion: 75 Resp: 27028
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.7 62.1#

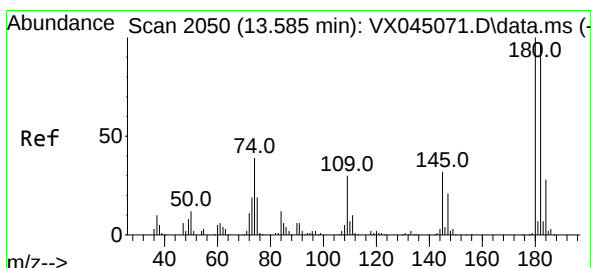
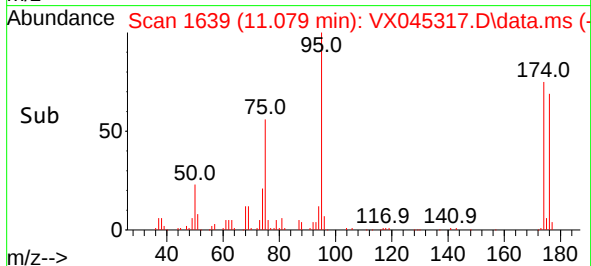
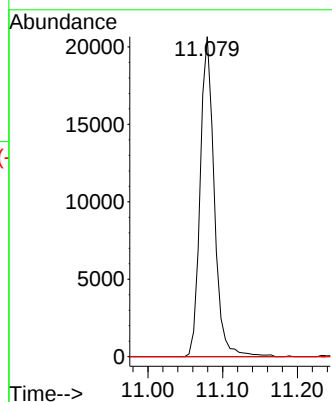
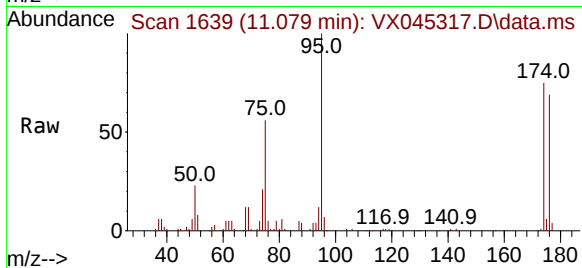




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.969 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

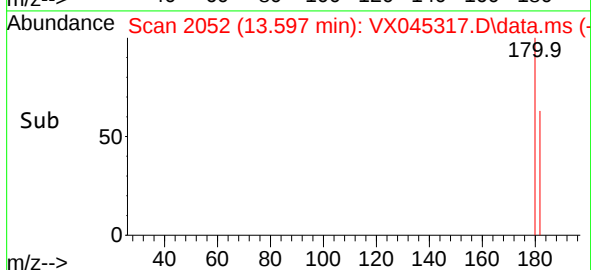
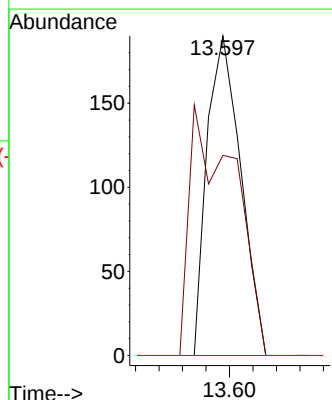
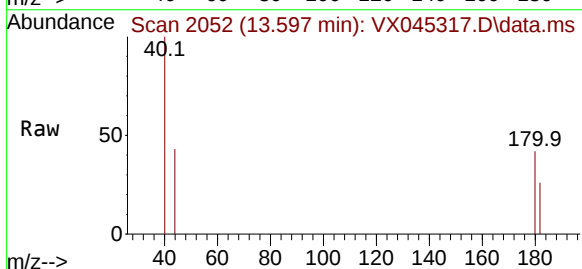
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20250310DL

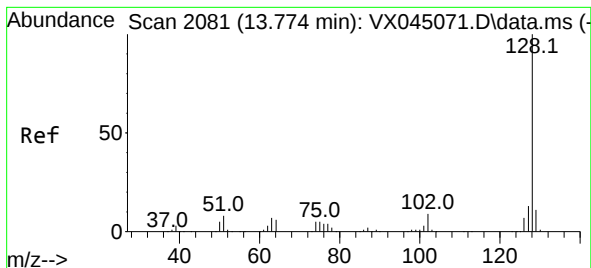
Tgt Ion: 75 Resp: 27028
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045317.D
 Acq: 18 Mar 2025 12:07

Tgt Ion:180 Resp: 189
 Ion Ratio Lower Upper
 180 100
 182 105.3 47.3 141.9
 145 0.0 16.3 48.9#





#95

Naphthalene

Concen: 0.509 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX045317.D

Acq: 18 Mar 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310DL

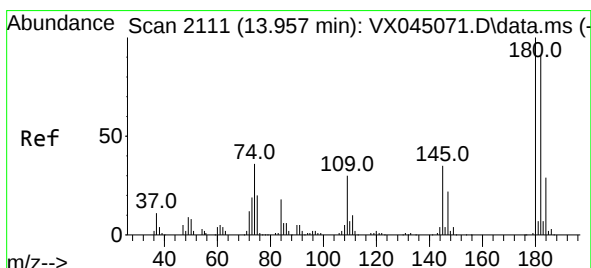
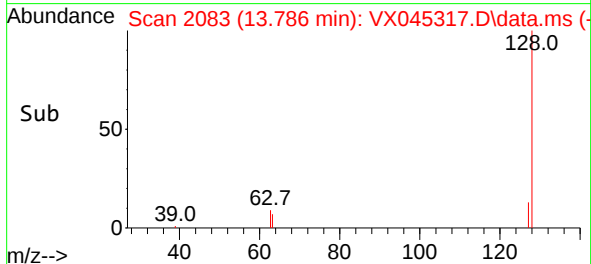
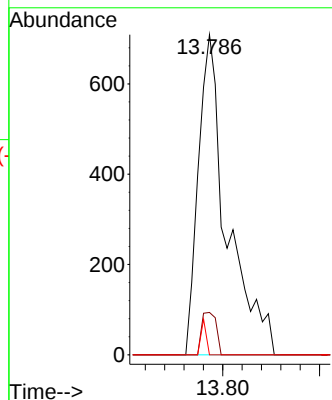
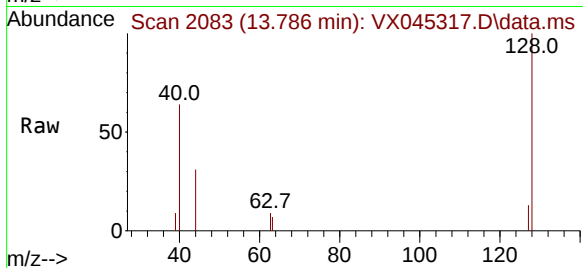
Tgt Ion:128 Resp: 1460

Ion Ratio Lower Upper

128 100

127 6.7 10.3 15.5#

129 2.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.356 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX045317.D

Acq: 18 Mar 2025 12:07

Tgt Ion:180 Resp: 280

Ion Ratio Lower Upper

180 100

182 66.4 47.5 142.6

145 0.0 17.0 50.9#

