

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045219.D
 Acq On : 11 Mar 2025 13:13
 Operator : JC/MD
 Sample : Q1531-16DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20250307DL

Quant Time: Mar 12 01:47:45 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)

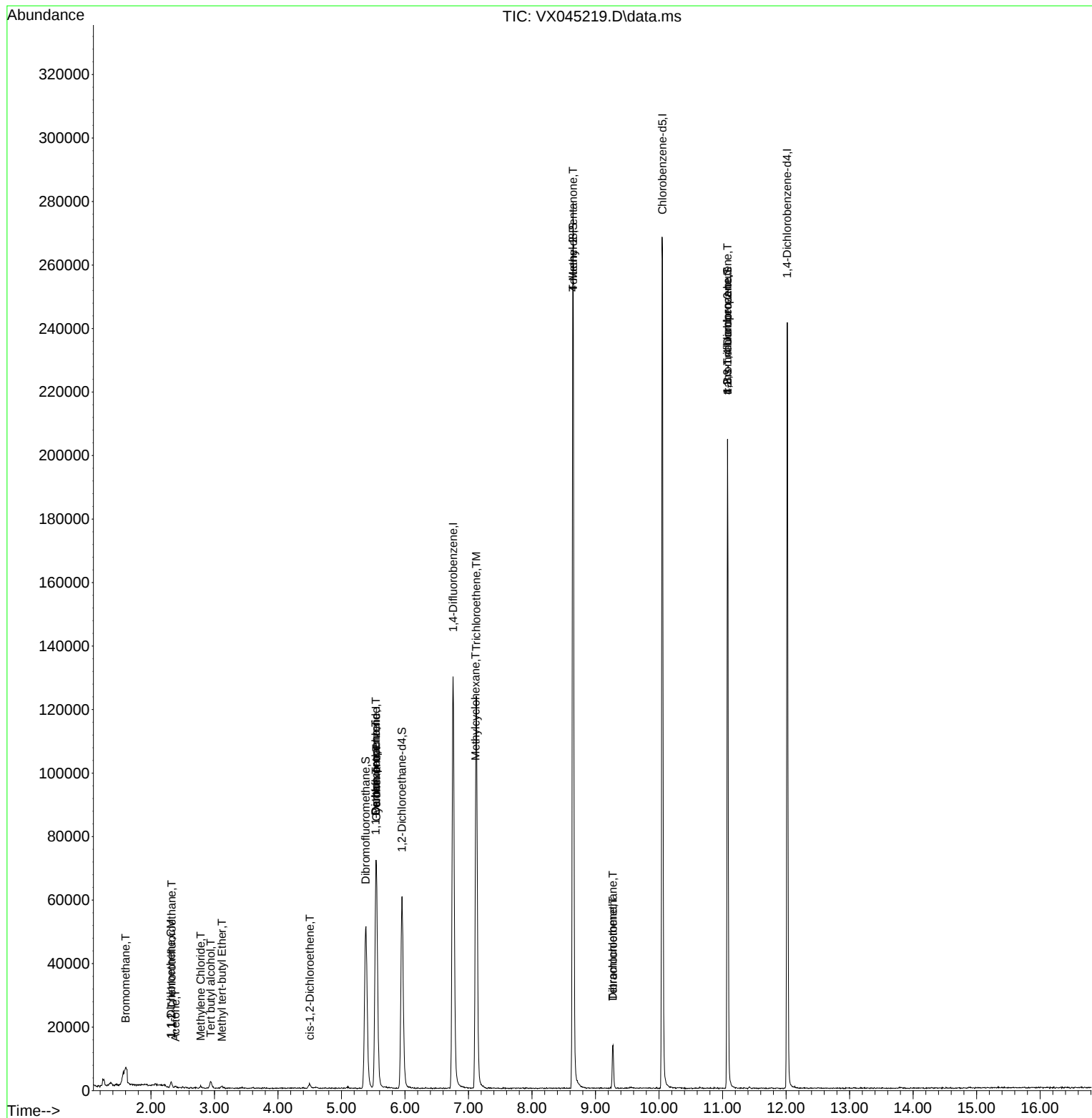
Internal Standards						
1) Pentafluorobenzene	5.544	168	66756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56392	53.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.220%	
35) Dibromofluoromethane	5.379	113	45417	51.981	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.960%	
50) Toluene-d8	8.647	98	163468	51.607	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	11.079	95	53217	50.701	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.400%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	115	0.287	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.325	101	647	0.834	ug/l	94
11) Tert butyl alcohol	2.940	59	1419	7.055	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	256	0.312	ug/l #	66
16) Acetone	2.386	43	384	0.779	ug/l #	35
19) Methyl tert-butyl Ether	3.117	73	768	0.279	ug/l #	52
20) Methylene Chloride	2.782	84	241	0.247	ug/l #	80
27) cis-1,2-Dichloroethene	4.501	96	716	0.716	ug/l	91
31) Cyclohexane	5.550	56	1720	1.191	ug/l #	31
36) 1,1-Dichloropropene	5.537	75	5934	4.952	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7364	6.054	ug/l #	17
39) Methylcyclohexane	7.110	83	649	0.452	ug/l #	1
44) Trichloroethene	7.123	130	46955	52.851	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	923	0.602	ug/l #	1
60) Dibromochloromethane	9.275	129	2568	2.687	ug/l #	11
64) Tetrachloroethene	9.275	164	2595	3.418	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	28802	26.160	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	28802	89.525	ug/l #	6

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

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Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
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RE125D1-20250307DL

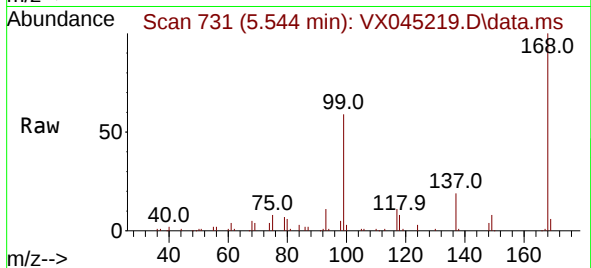
Quant Time: Mar 12 01:47:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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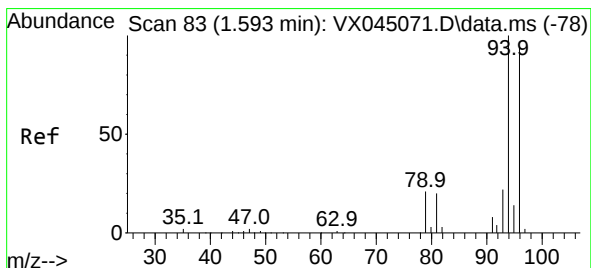
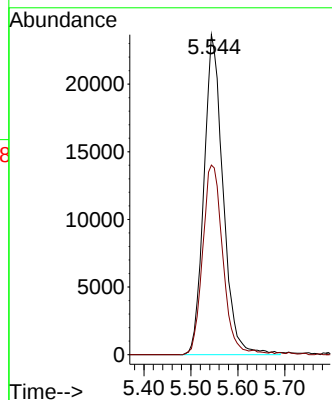
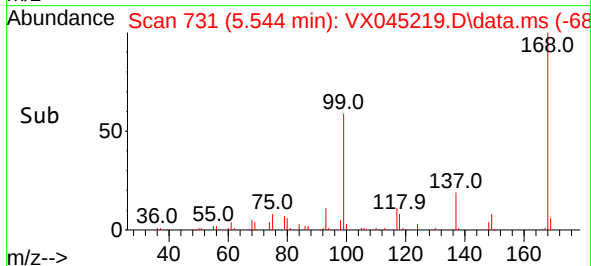


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

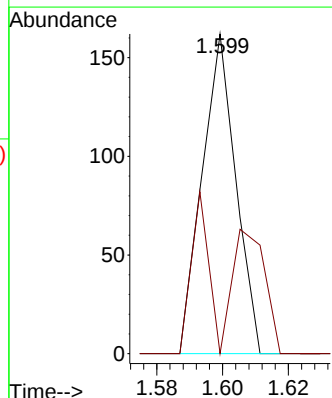
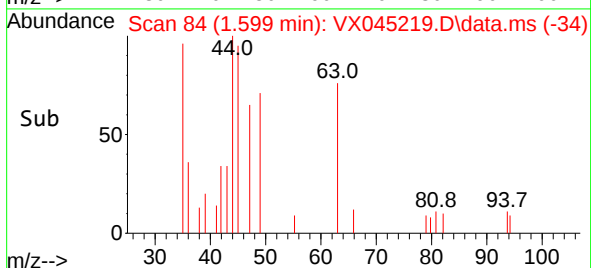
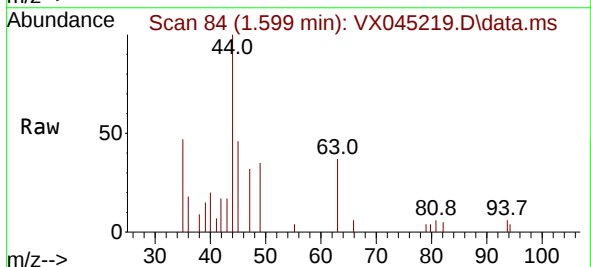


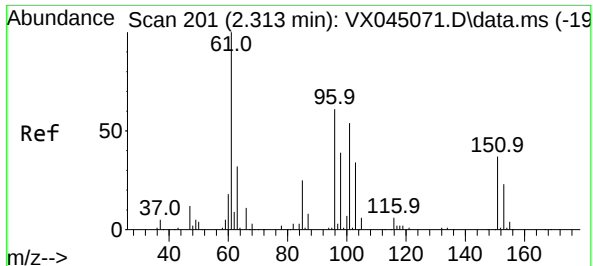
Tgt Ion:168 Resp: 66756
Ion Ratio Lower Upper
168 100
99 59.3 48.2 72.4



#5
Bromomethane
Concen: 0.287 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

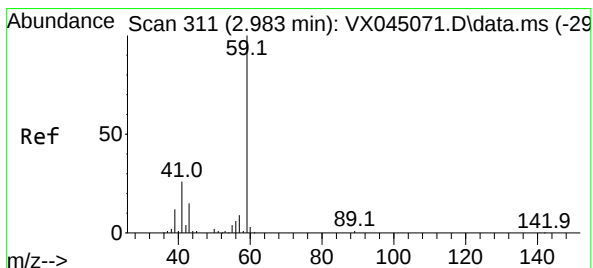
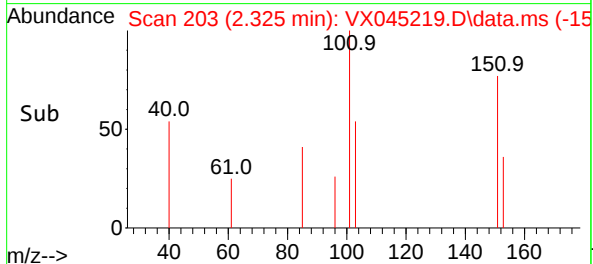
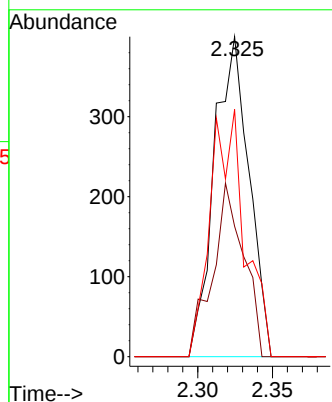
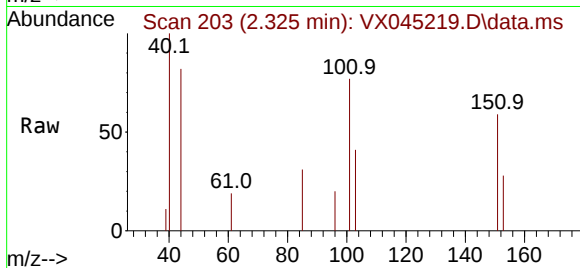




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.834 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

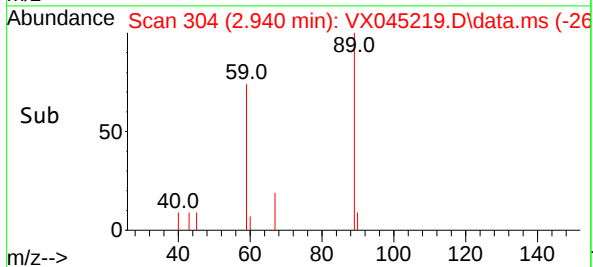
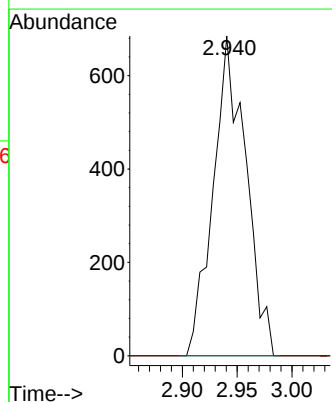
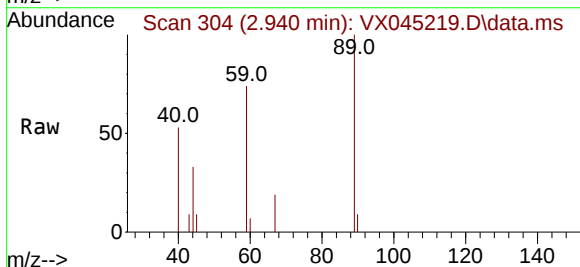
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

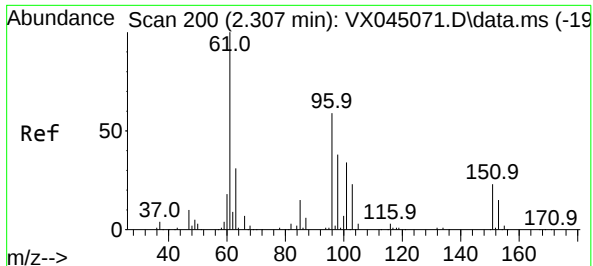
Tgt Ion:101 Resp: 647
Ion Ratio Lower Upper
101 100
85 48.7 36.2 54.4
151 75.9 56.4 84.6



#11
Tert butyl alcohol
Concen: 7.055 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 59 Resp: 1419
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.312 ug/l

RT: 2.312 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045219.D

Acq: 11 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20250307DL

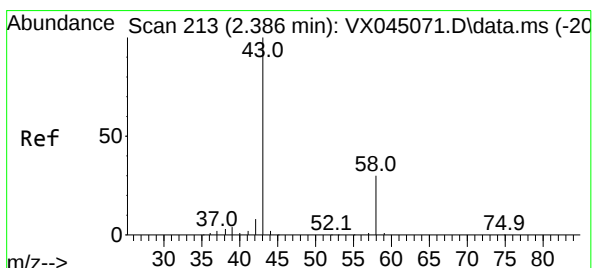
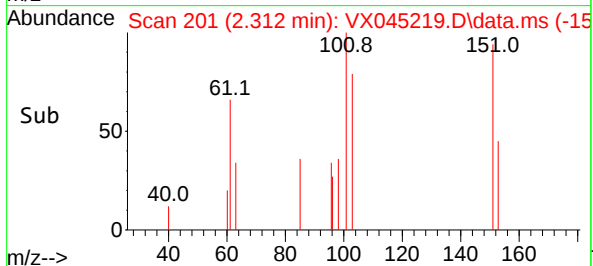
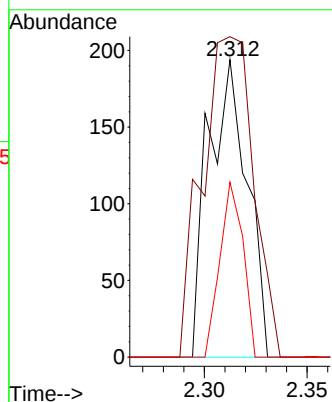
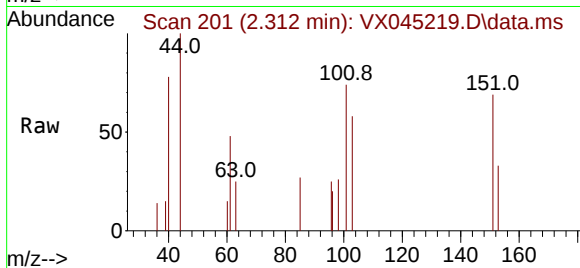
Tgt Ion: 96 Resp: 256

Ion Ratio Lower Upper

96 100

61 107.7 134.6 202.0#

98 58.8 51.0 76.6



#16

Acetone

Concen: 0.779 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045219.D

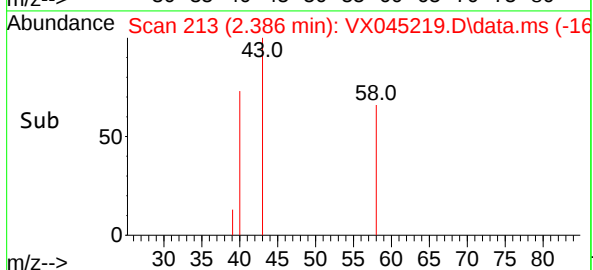
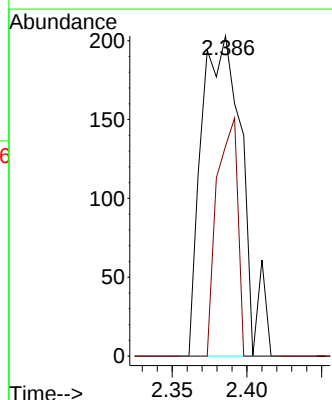
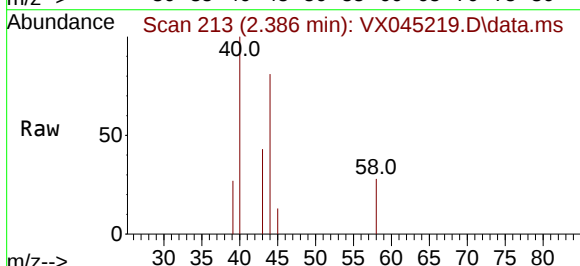
Acq: 11 Mar 2025 13:13

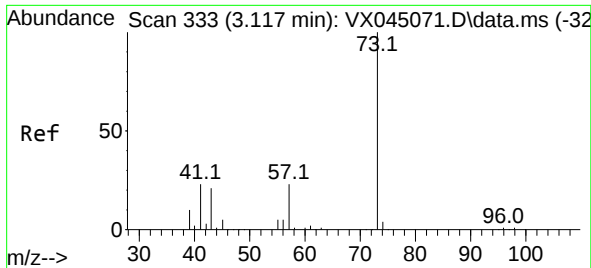
Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

58 65.5 24.2 36.4#

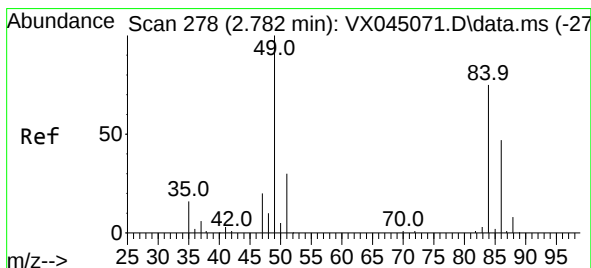
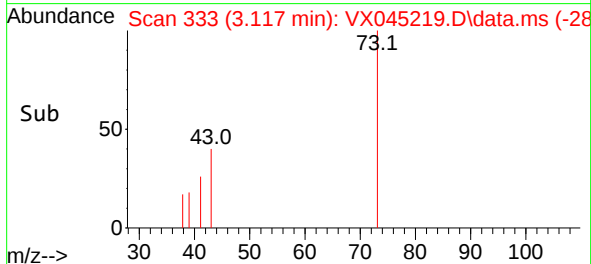
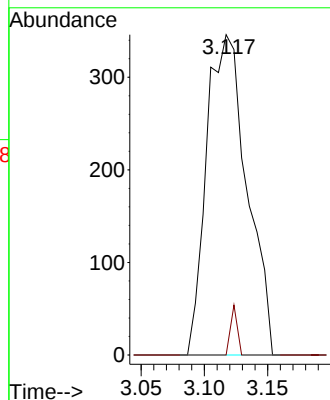
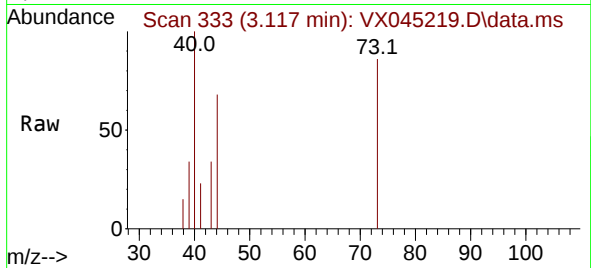




#19
Methyl tert-butyl Ether
Concen: 0.279 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

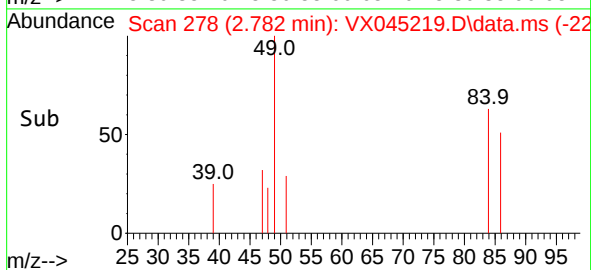
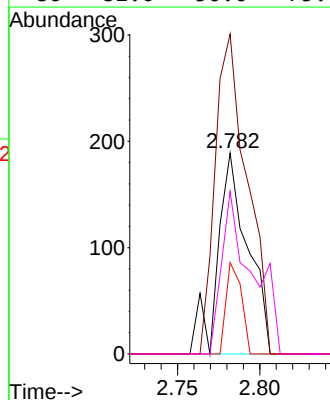
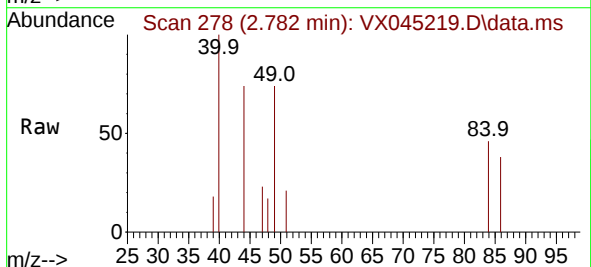
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

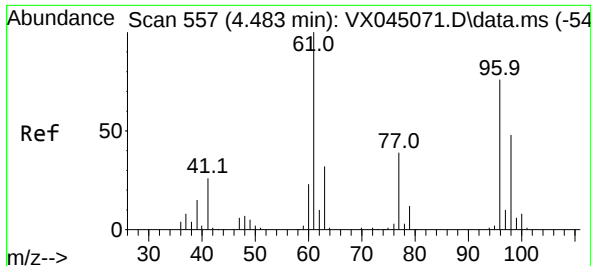
Tgt Ion: 73 Resp: 768
Ion Ratio Lower Upper
73 100
57 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 84 Resp: 241
Ion Ratio Lower Upper
84 100
49 159.3 106.5 159.7
51 45.5 32.1 48.1
86 81.0 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 0.716 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.018 min

Lab File: VX045219.D

Acq: 11 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20250307DL

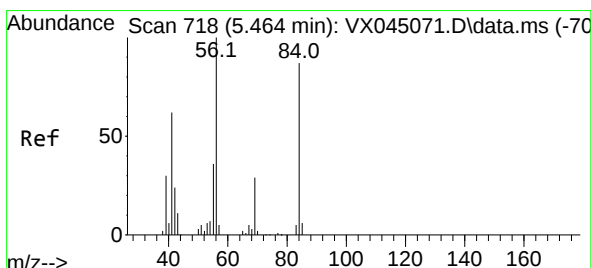
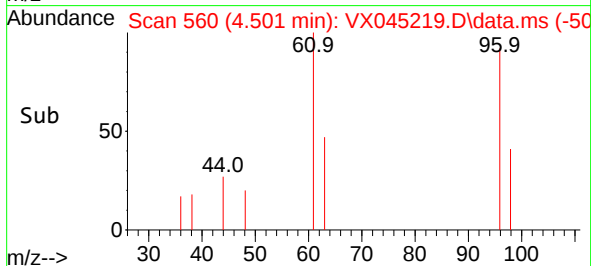
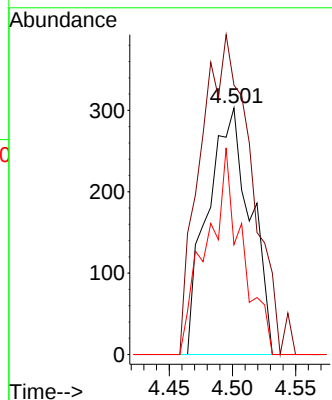
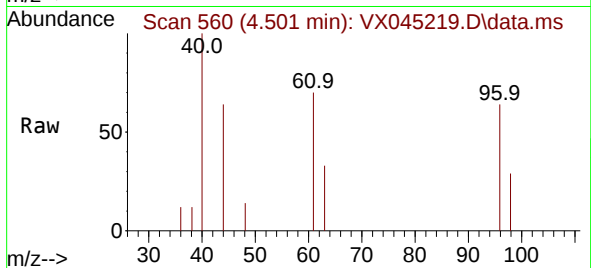
Tgt Ion: 96 Resp: 716

Ion Ratio Lower Upper

96 100

61 154.9 0.0 283.2

98 68.6 0.0 128.0



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045219.D

Acq: 11 Mar 2025 13:13

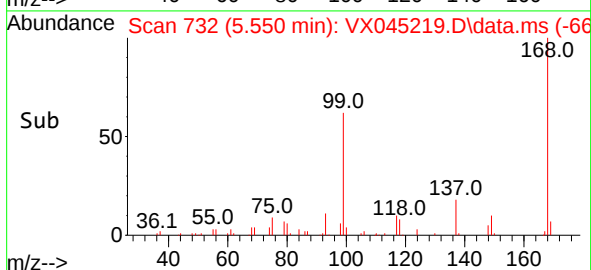
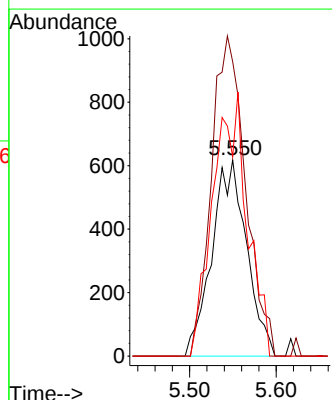
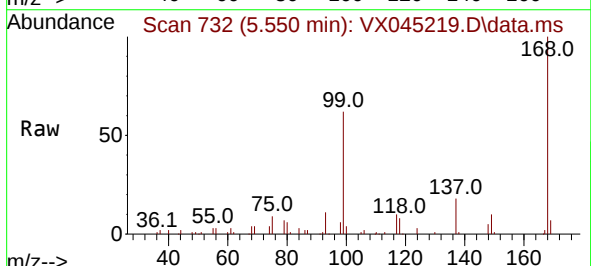
Tgt Ion: 56 Resp: 1720

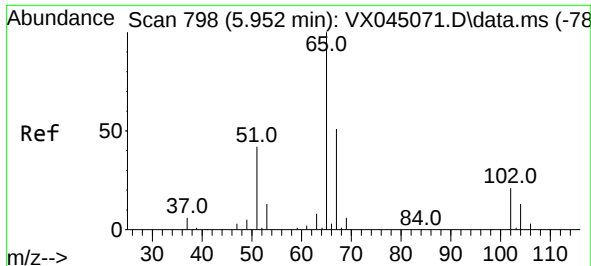
Ion Ratio Lower Upper

56 100

69 150.2 23.4 35.2#

84 101.6 69.4 104.2

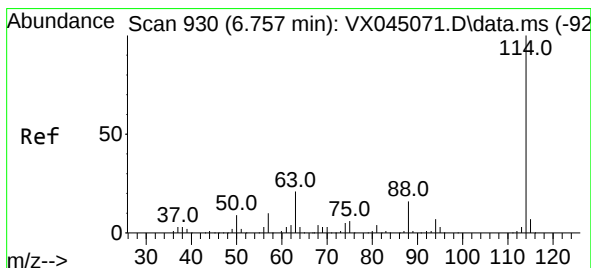
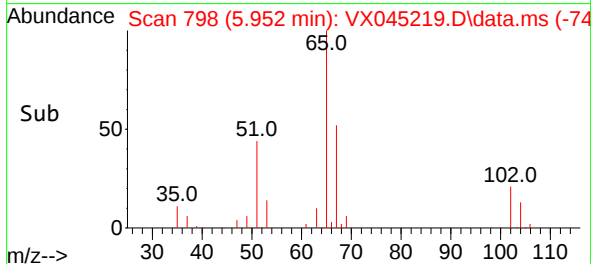
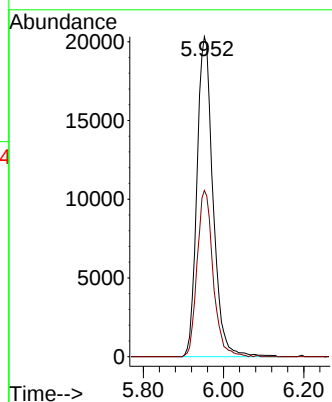
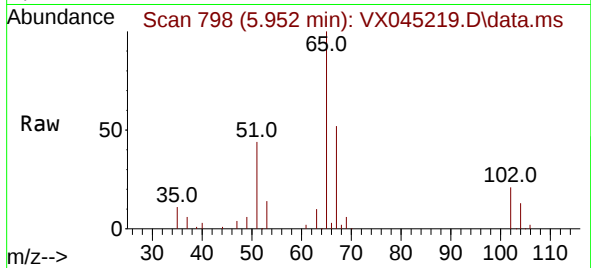




#33
 1,2-Dichloroethane-d4
 Concen: 53.107 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045219.D
 Acq: 11 Mar 2025 13:13

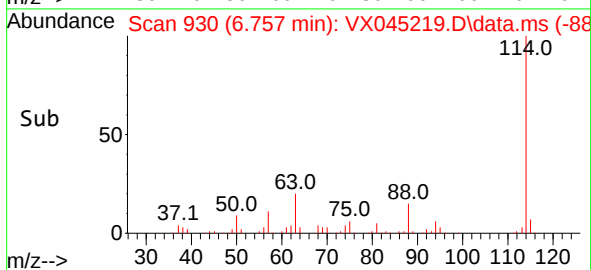
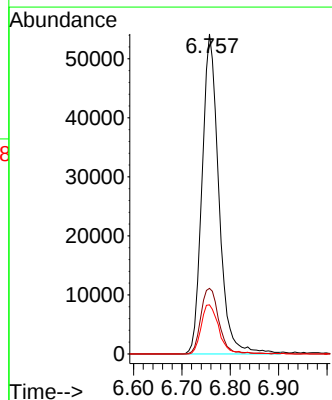
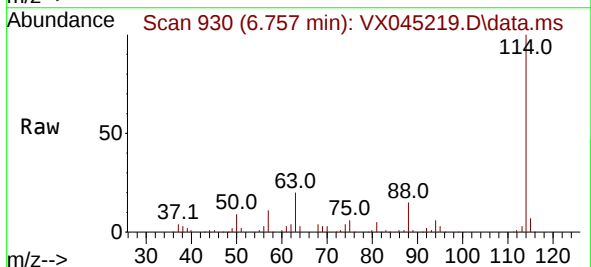
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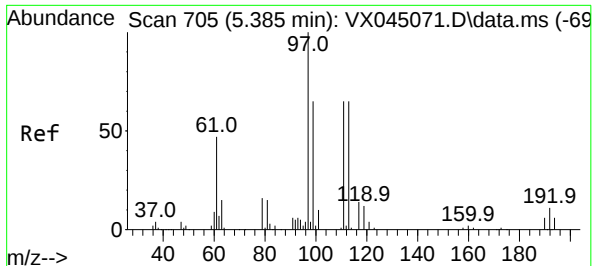
Tgt Ion: 65 Resp: 56392
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045219.D
 Acq: 11 Mar 2025 13:13

Tgt Ion: 114 Resp: 130664
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.981 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045219.D

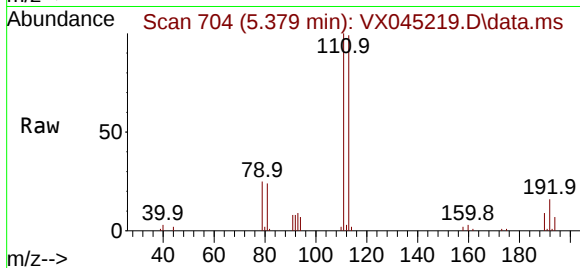
Acq: 11 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20250307DL



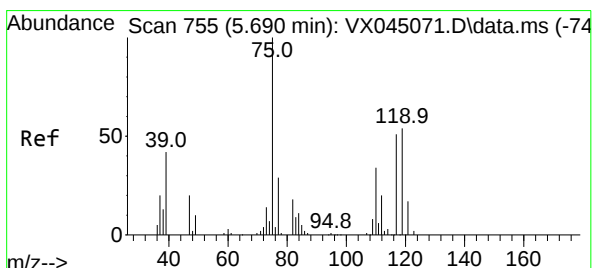
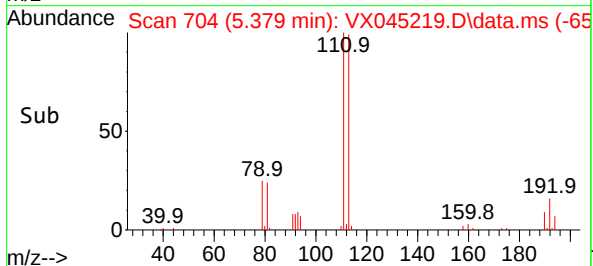
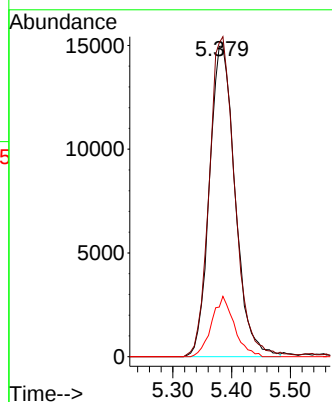
Tgt Ion:113 Resp: 45417

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.153 min

Lab File: VX045219.D

Acq: 11 Mar 2025 13:13

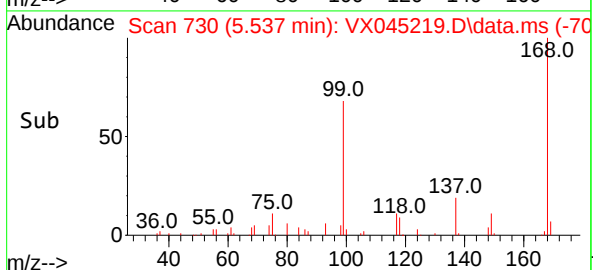
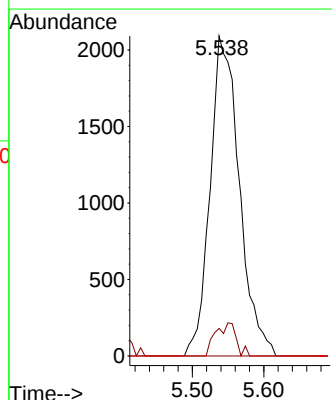
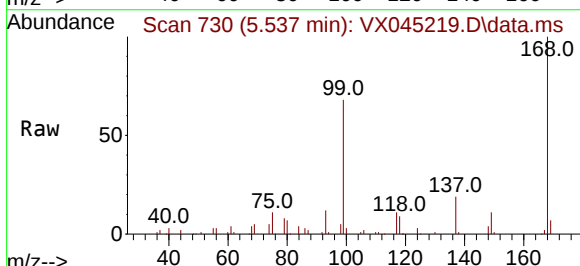
Tgt Ion: 75 Resp: 5934

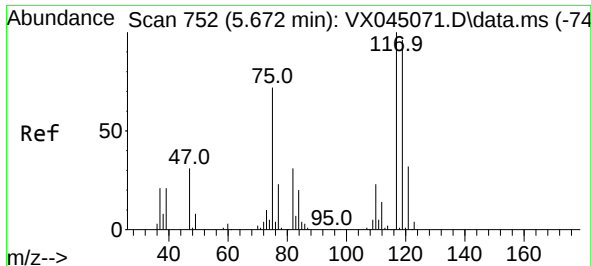
Ion Ratio Lower Upper

75 100

110 7.3 16.9 50.6#

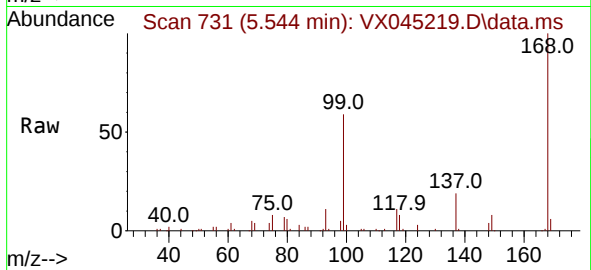
77 0.0 24.5 36.7#



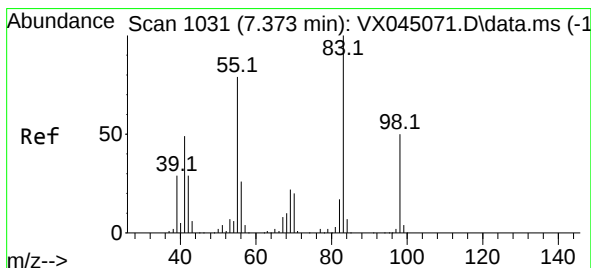
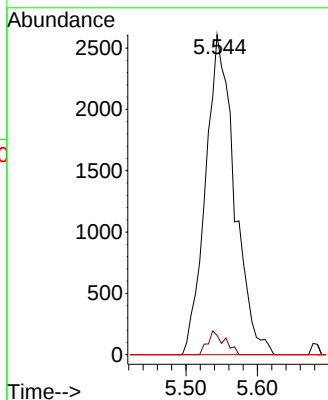
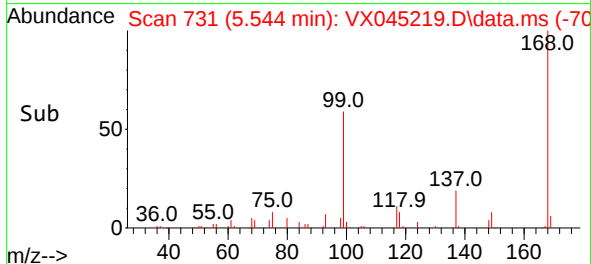


#38
Carbon Tetrachloride
Concen: 6.054 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

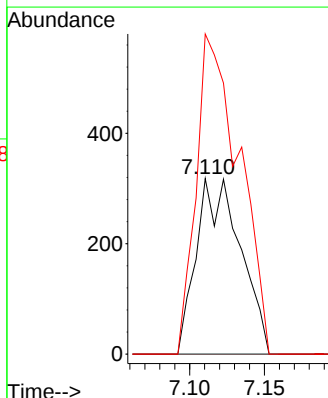
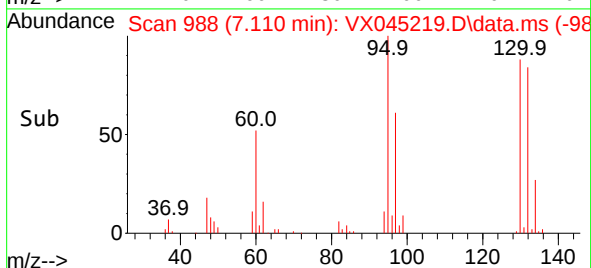
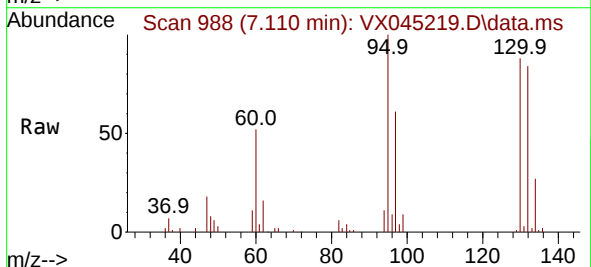


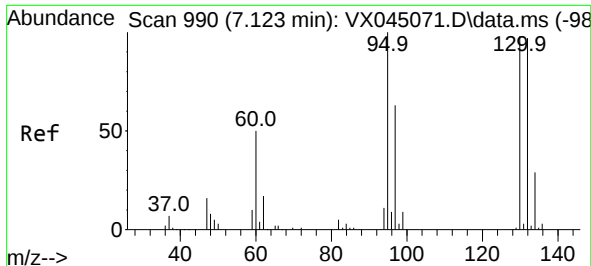
Tgt Ion:117 Resp: 7364
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.452 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.262 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 83 Resp: 649
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 182.4 39.7 59.5#

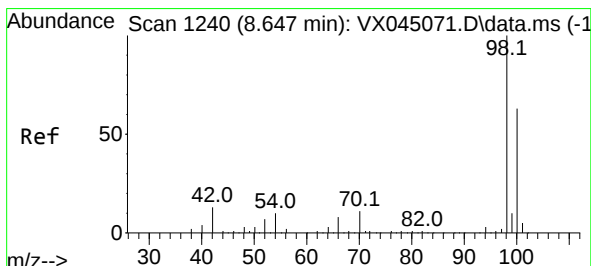
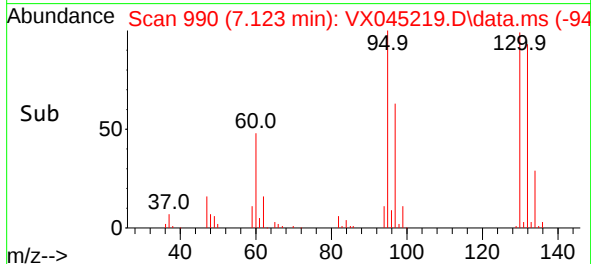
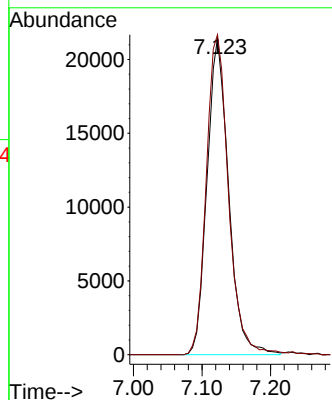
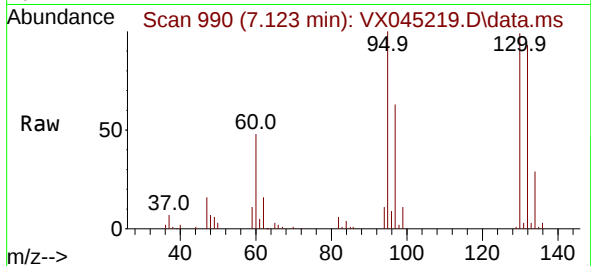




#44
Trichloroethene
Concen: 52.851 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

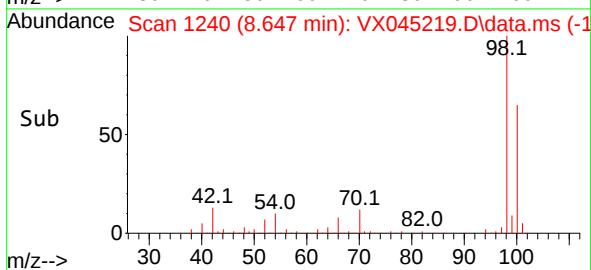
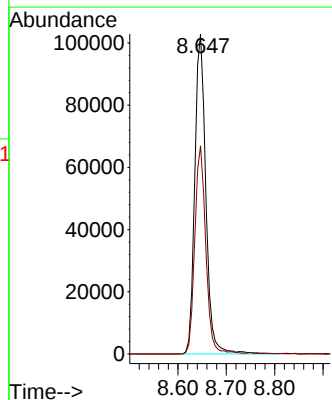
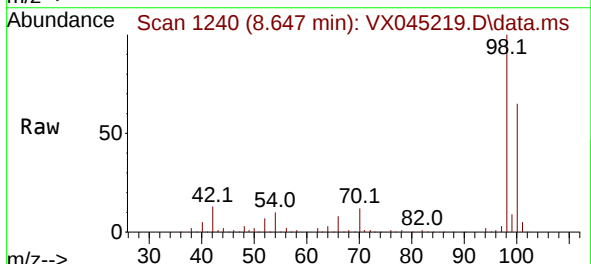
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

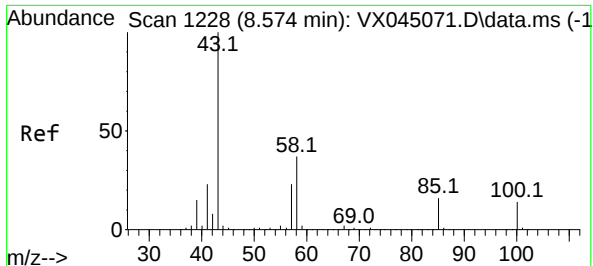
Tgt Ion:130 Resp: 46955
Ion Ratio Lower Upper
130 100
95 101.1 0.0 205.0



#50
Toluene-d8
Concen: 51.607 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 98 Resp: 163468
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

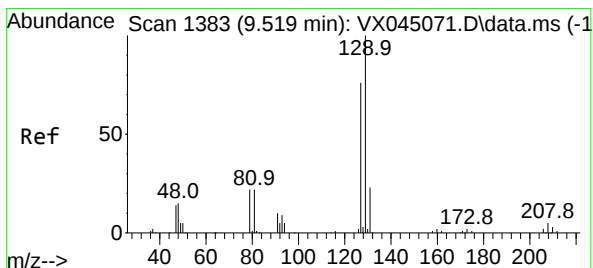
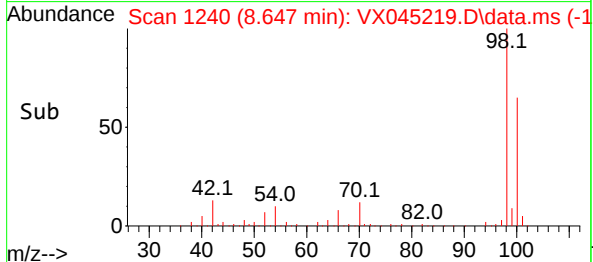
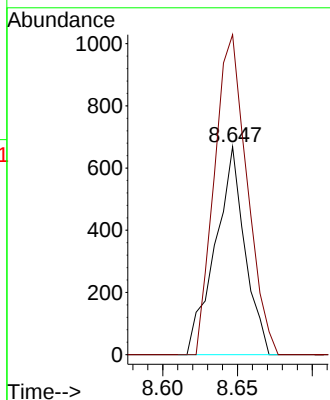
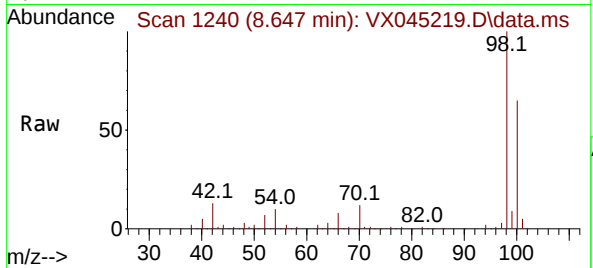




#51
4-Methyl-2-Pentanone
Concen: 0.602 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

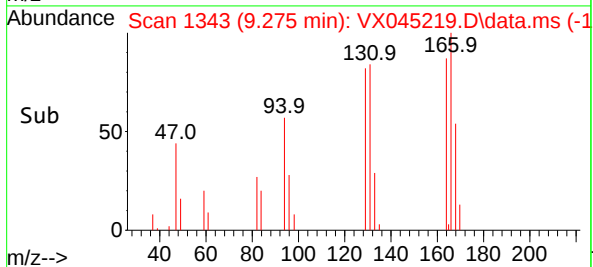
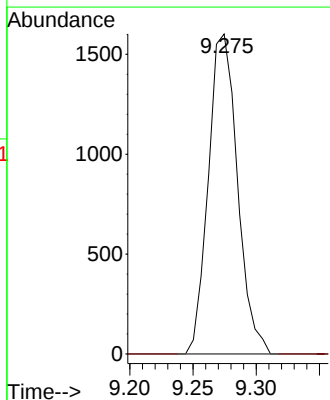
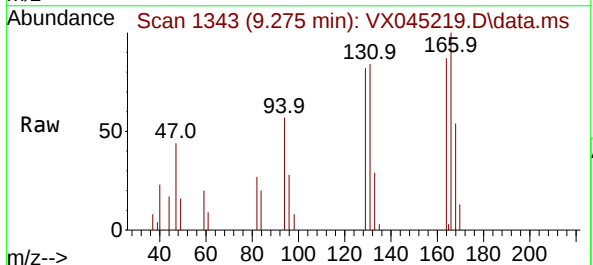
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

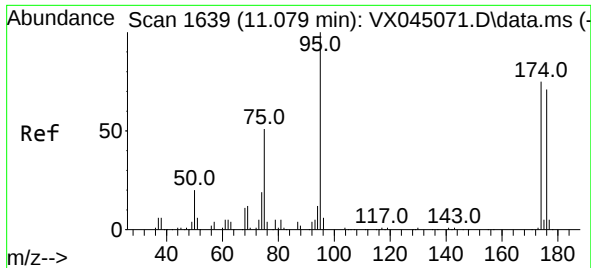
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 168.5 29.2 43.8#



#60
Dibromochloromethane
Concen: 2.687 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 129 Resp: 2568
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

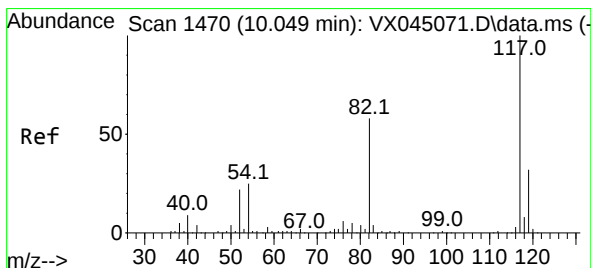
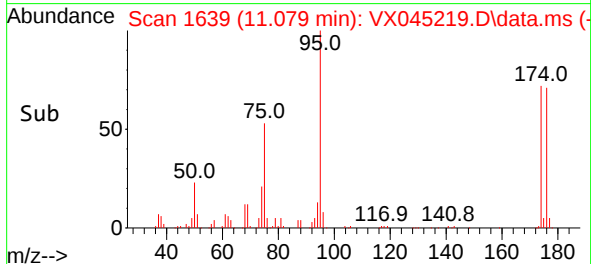
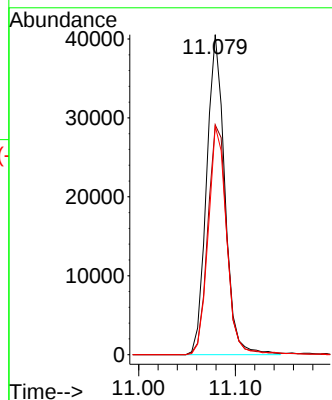
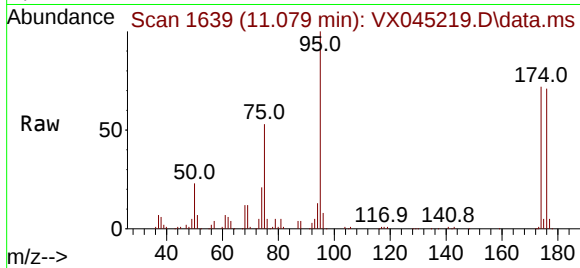




#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

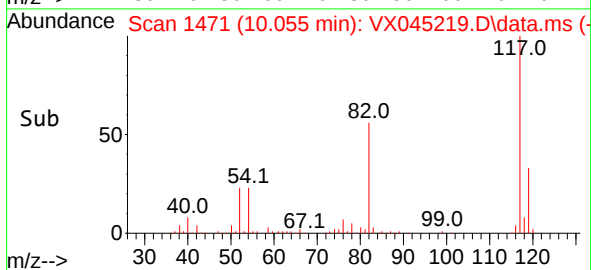
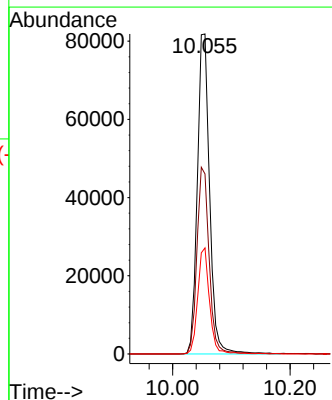
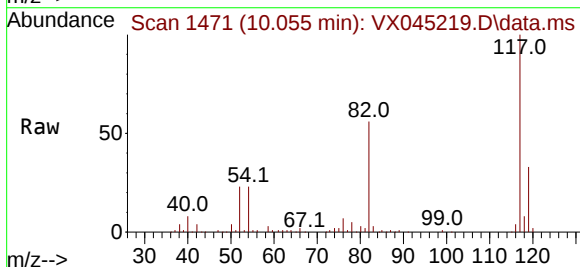
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

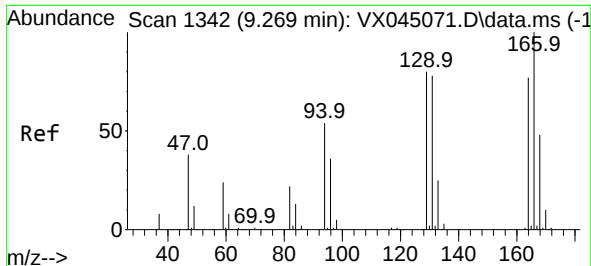
Tgt Ion: 95 Resp: 53217
Ion Ratio Lower Upper
95 100
174 75.4 0.0 148.2
176 72.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 117 Resp: 118544
Ion Ratio Lower Upper
117 100
82 56.3 46.3 69.5
119 33.2 25.7 38.5



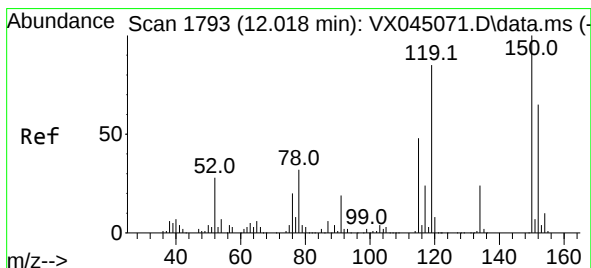
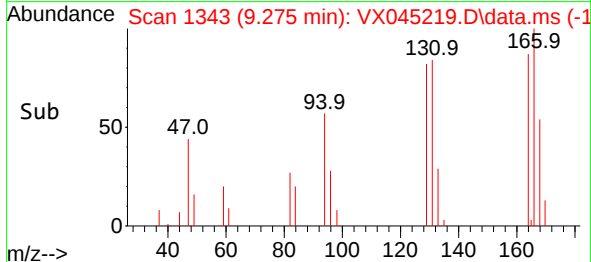
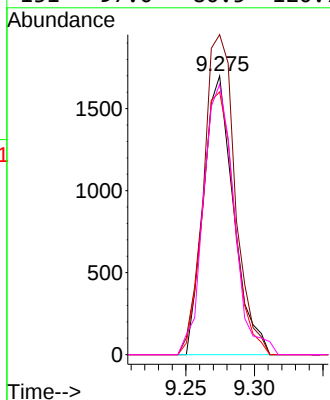
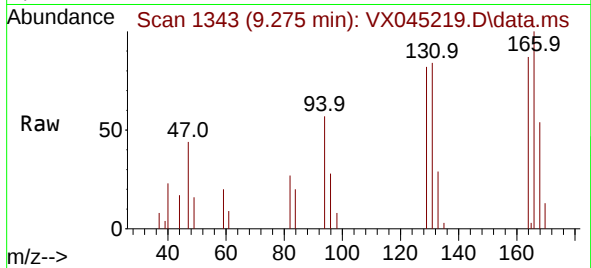


#64
Tetrachloroethene
Concen: 3.418 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

Tgt Ion:164 Resp: 2595

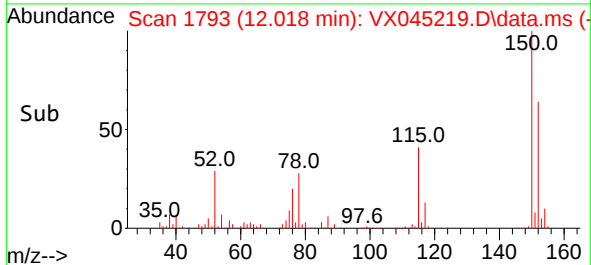
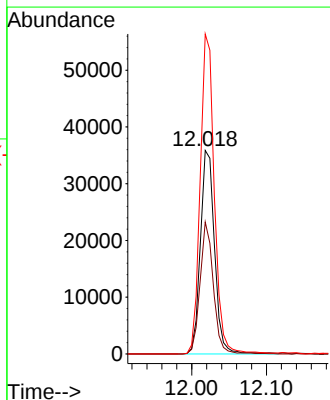
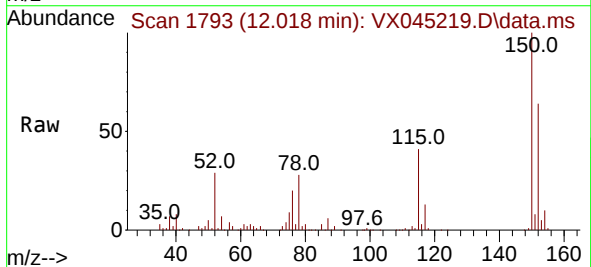
Ion	Ratio	Lower	Upper
164	100		
166	114.8	103.6	155.4
129	94.3	82.7	124.1
131	97.0	80.5	120.7

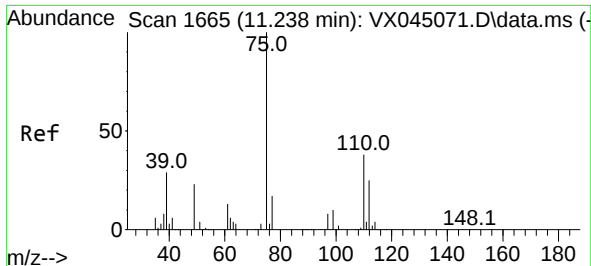


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion:152 Resp: 47303

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.2	132.6
150	156.5	0.0	349.0

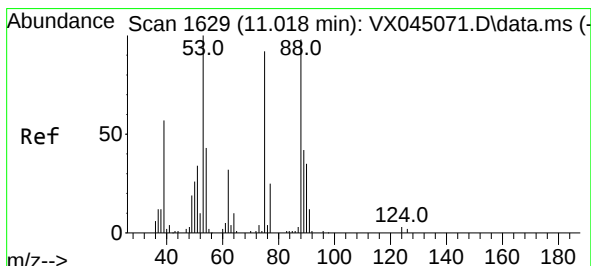
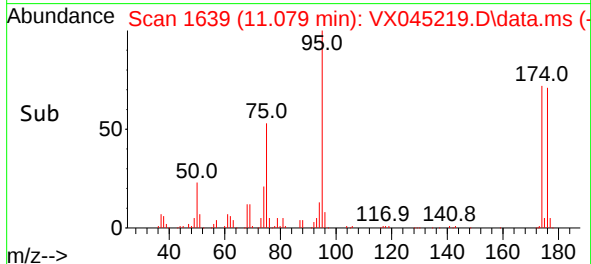
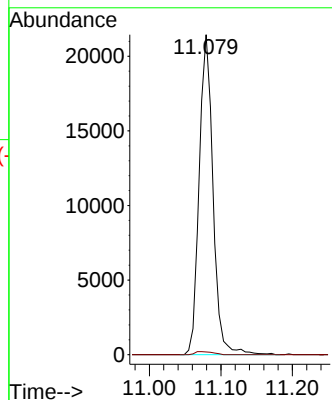
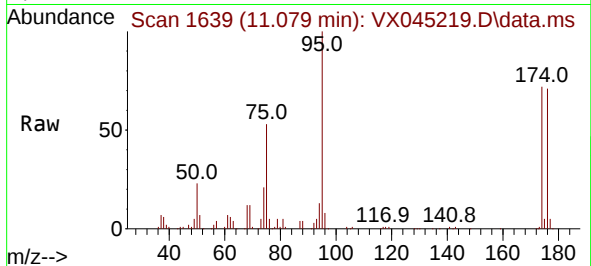




#76
1,2,3-Trichloropropane
Concen: 26.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20250307DL

Tgt Ion: 75 Resp: 28802
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045219.D
Acq: 11 Mar 2025 13:13

Tgt Ion: 75 Resp: 28802
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

