

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045247.D
 Acq On : 12 Mar 2025 14:35
 Operator : JC/MD
 Sample : Q1531-19DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250307DL

Quant Time: Mar 13 01:41:54 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)

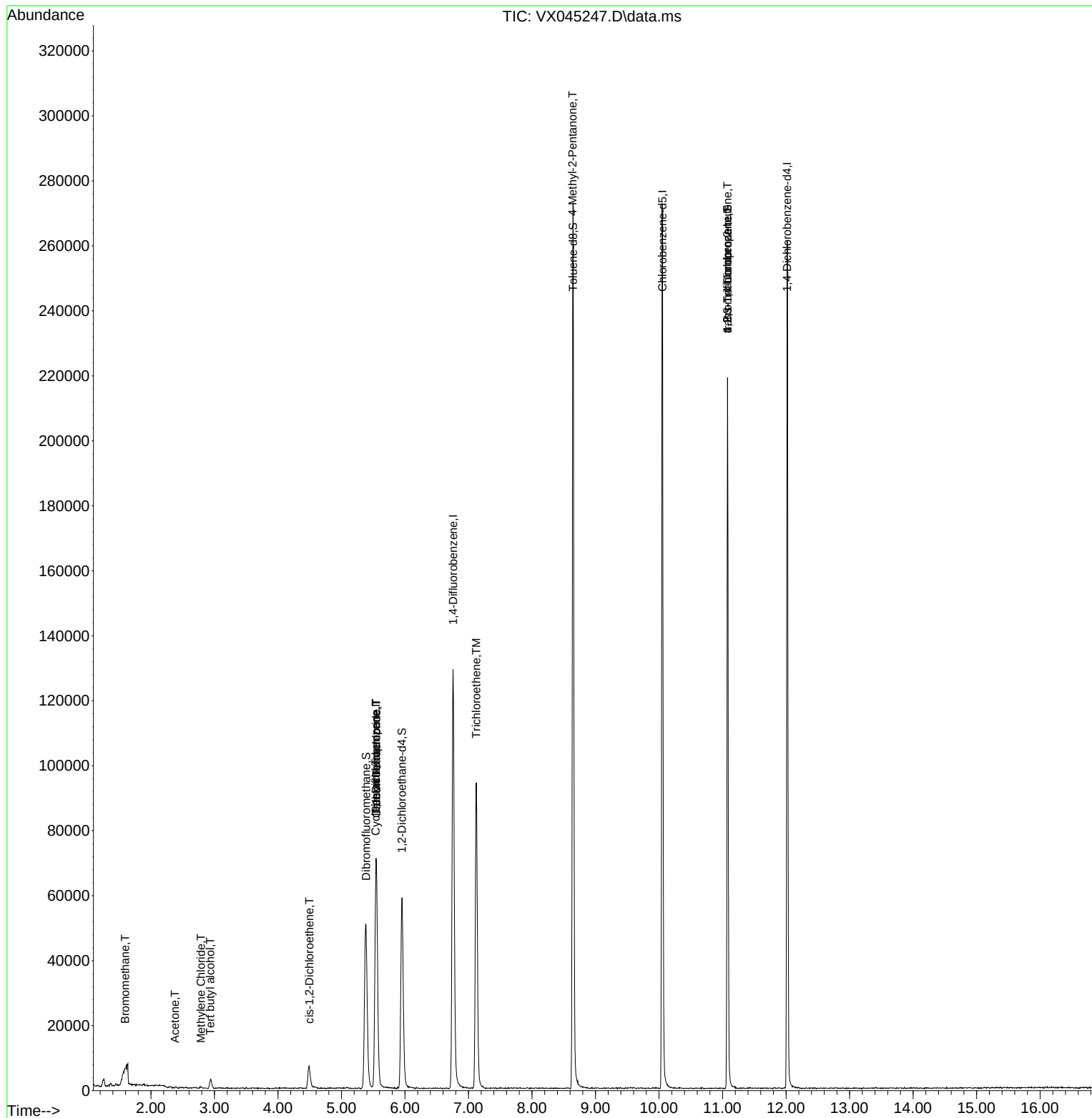
Internal Standards						
1) Pentafluorobenzene	5.544	168	64391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57148	55.796	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.600%			
35) Dibromofluoromethane	5.385	113	44957	52.175	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.647	98	163636	52.383	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.760%			
62) 4-Bromofluorobenzene	11.079	95	56446	54.530	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.060%			
Target Compounds						Qvalue
5) Bromomethane	1.593	94	86	0.222	ug/l #	3
11) Tert butyl alcohol	2.934	59	1663	8.572	ug/l #	73
16) Acetone	2.380	43	431	0.907	ug/l	95
20) Methylene Chloride	2.788	84	233	0.248	ug/l #	70
27) cis-1,2-Dichloroethene	4.495	96	4459	4.621	ug/l	94
31) Cyclohexane	5.538	56	1791	1.285	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	5898	4.991	ug/l #	48
38) Carbon Tetrachloride	5.550	117	7004	5.838	ug/l #	15
44) Trichloroethene	7.123	130	35712	40.759	ug/l	98
51) 4-Methyl-2-Pentanone	8.641	43	856	0.566	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31109	26.661	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	31109	91.238	ug/l #	6

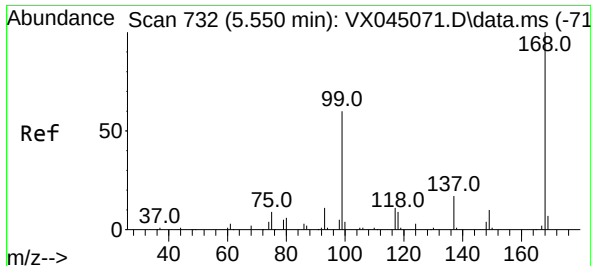
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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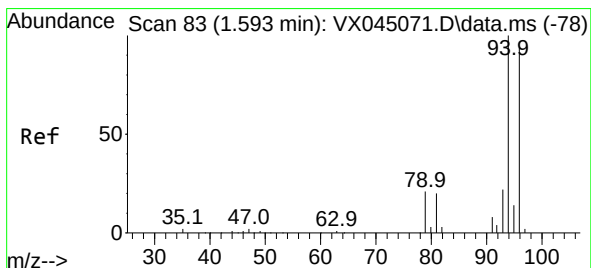
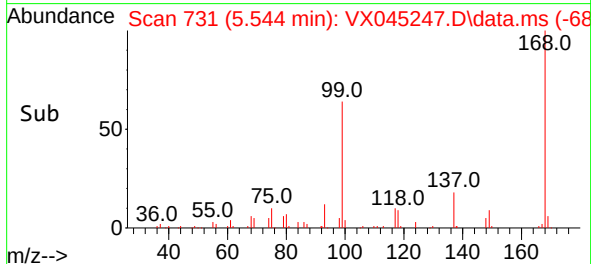
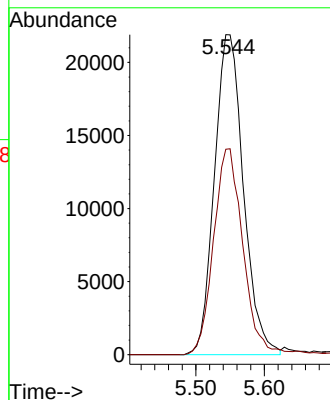
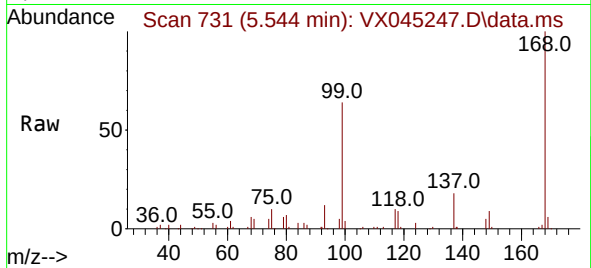




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

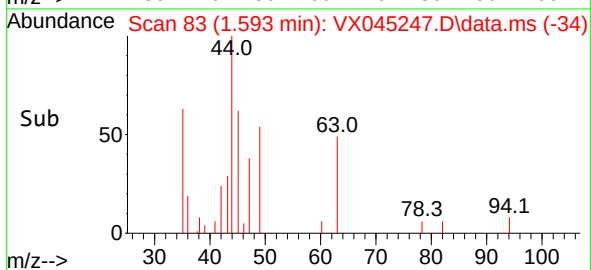
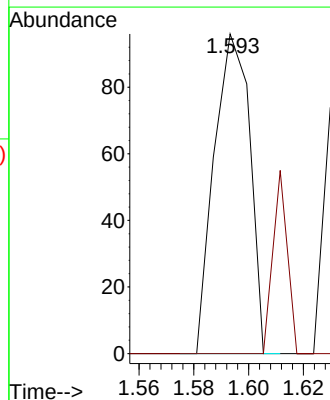
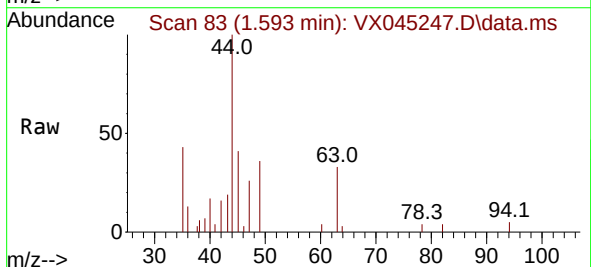
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

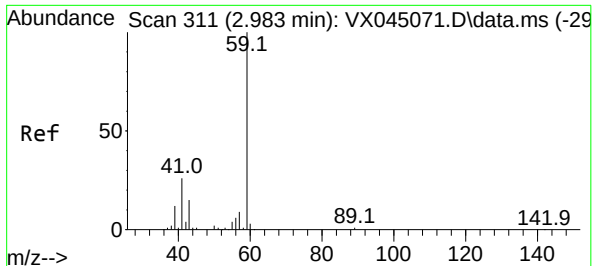
Tgt Ion:168 Resp: 64391
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#5
Bromomethane
Concen: 0.222 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion: 94 Resp: 86
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 8.572 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX045247.D

Acq: 12 Mar 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

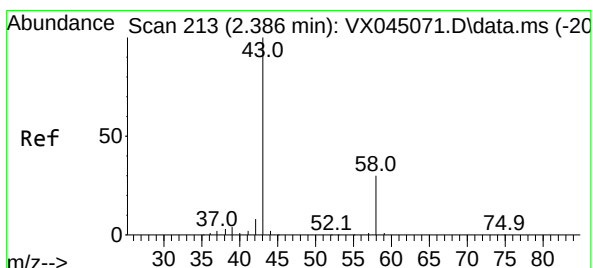
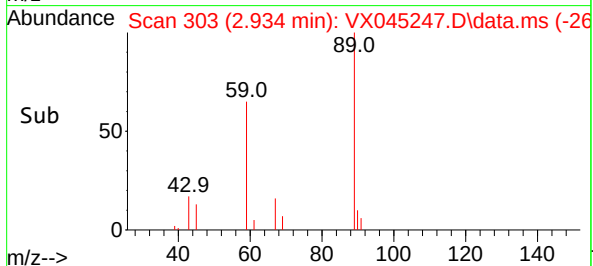
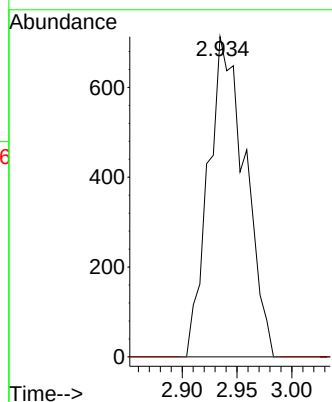
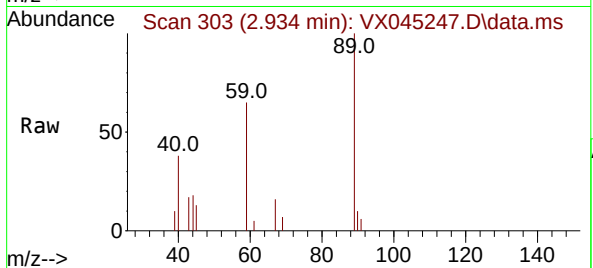
RE104D2-20250307DL

Tgt Ion: 59 Resp: 1663

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 0.907 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045247.D

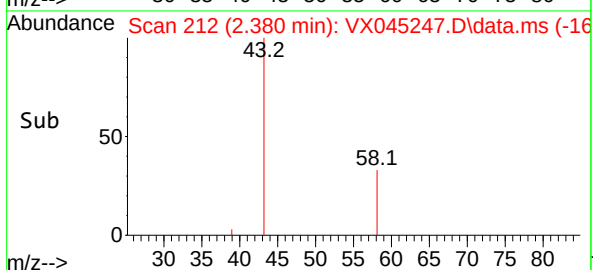
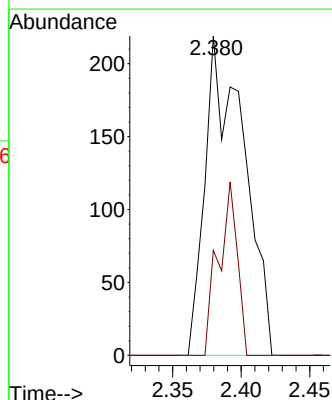
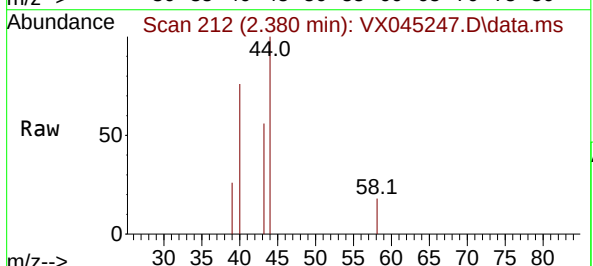
Acq: 12 Mar 2025 14:35

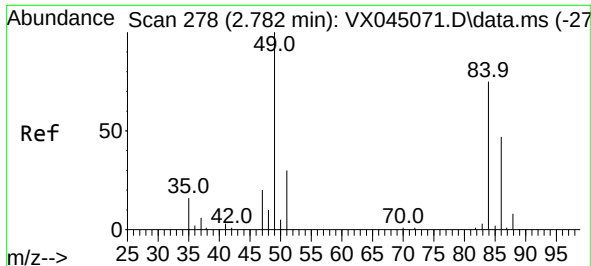
Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

43 100

58 32.9 24.2 36.4

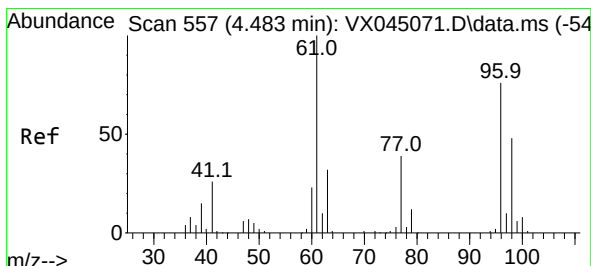
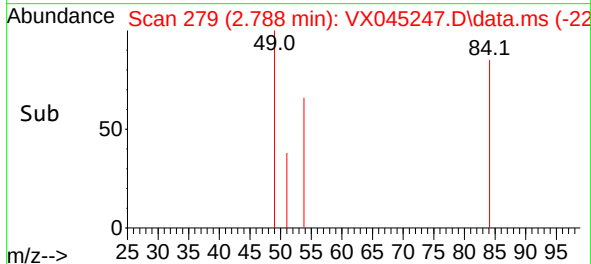
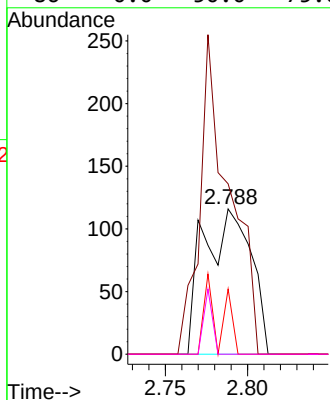
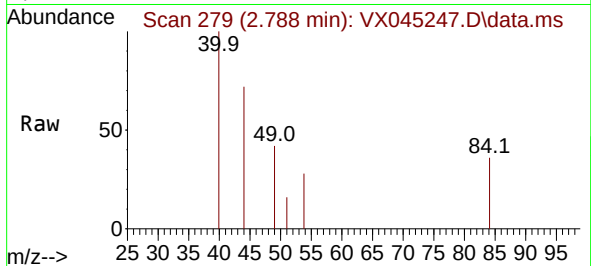




#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

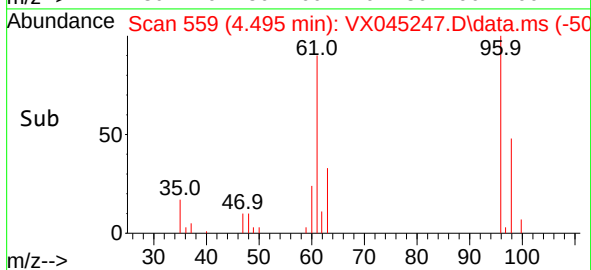
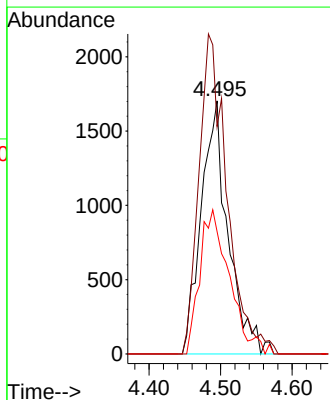
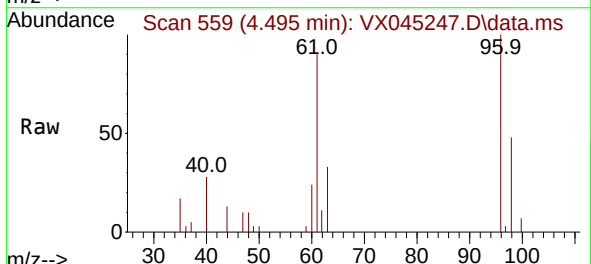
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

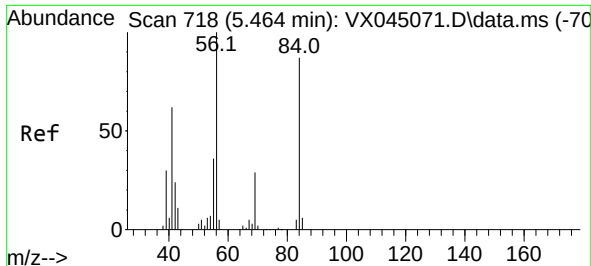
Tgt Ion:	84	Resp:	233
Ion	Ratio	Lower	Upper
84	100		
49	117.2	106.5	159.7
51	44.8	32.1	48.1
86	0.0	50.0	75.0



#27
cis-1,2-Dichloroethene
Concen: 4.621 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

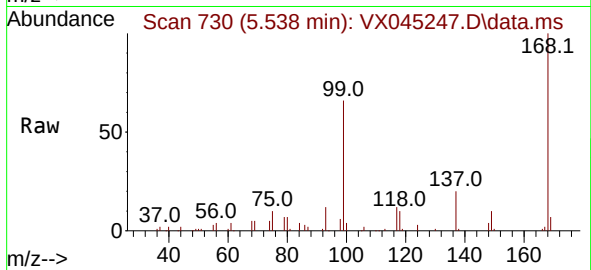
Tgt Ion:	96	Resp:	4459
Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	283.2
98	62.8	0.0	128.0



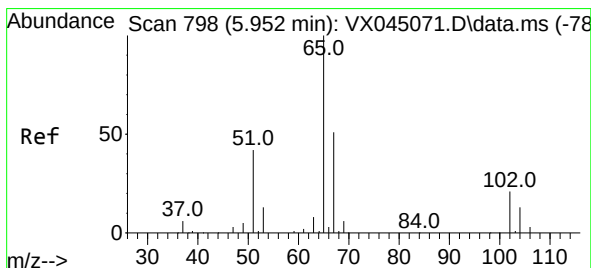
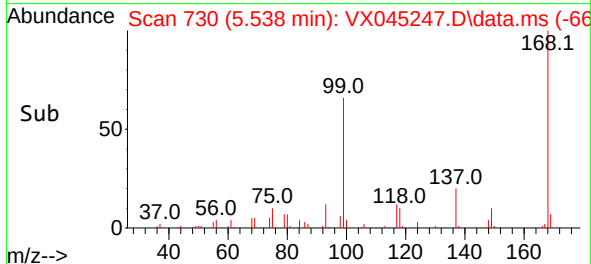
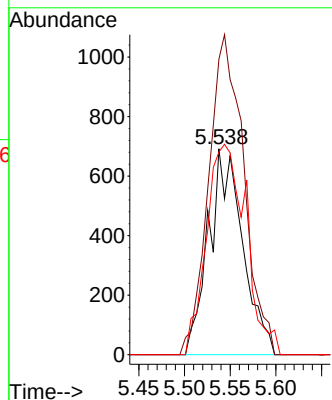


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

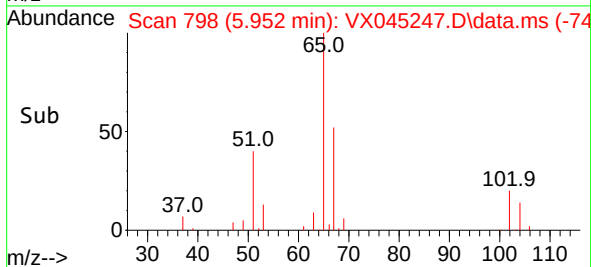
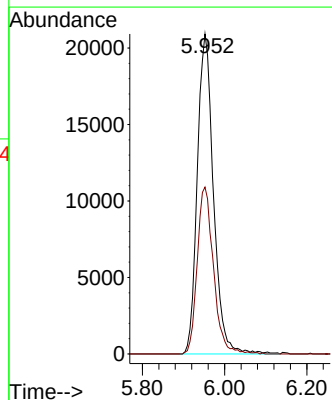
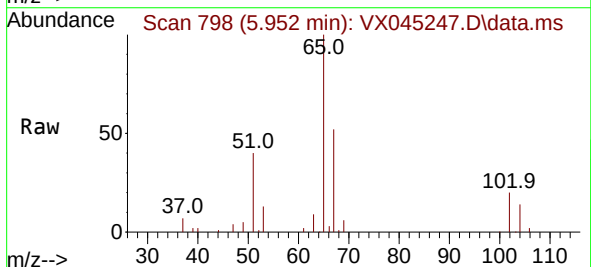


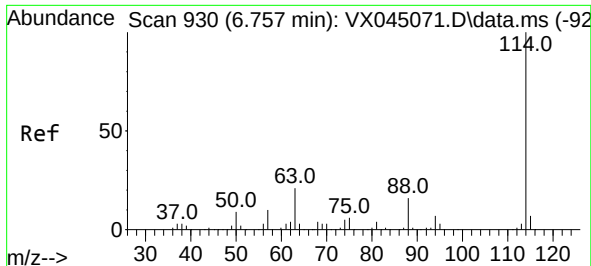
Tgt Ion: 56 Resp: 1791
Ion Ratio Lower Upper
56 100
69 143.5 23.4 35.2#
84 98.4 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion: 65 Resp: 57148
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2

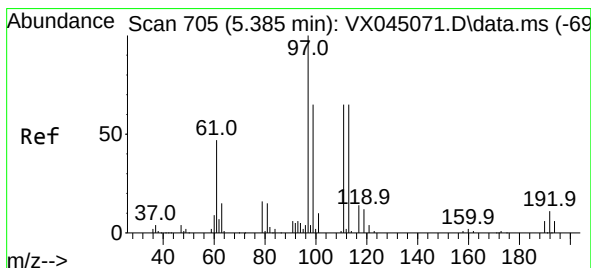
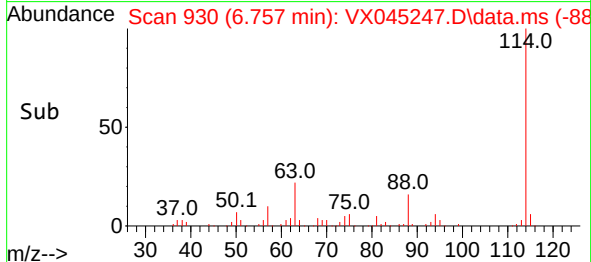
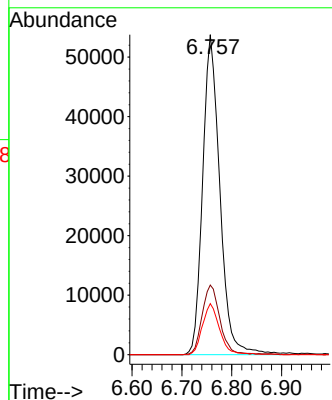
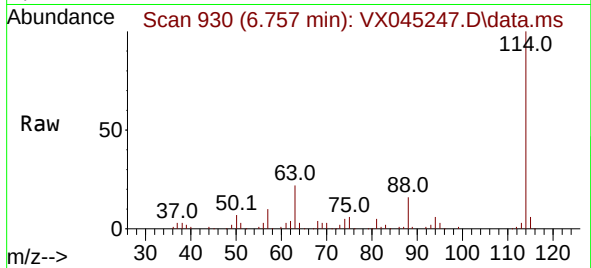




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

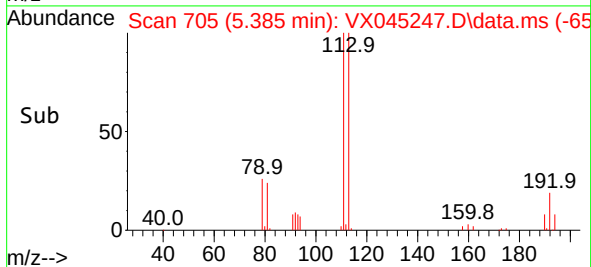
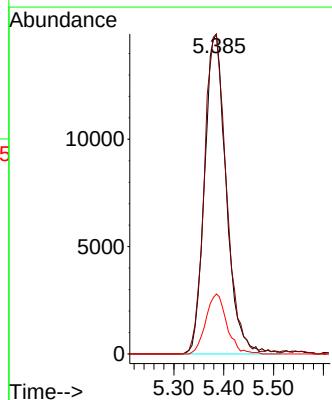
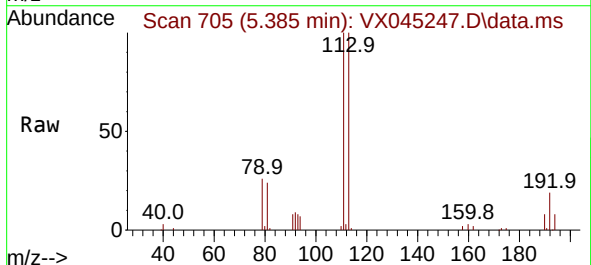
Instrument :
MSVOA_X
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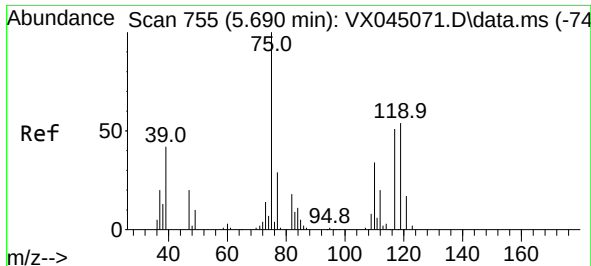
Tgt Ion:	114	Resp:	128861
Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	15.9	0.0	32.8



#35
Dibromofluoromethane
Concen: 52.175 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion:	113	Resp:	44957
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	18.2	14.3	21.5

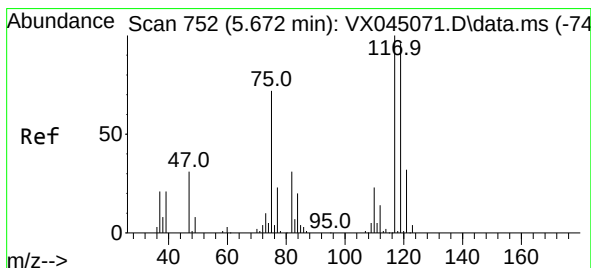
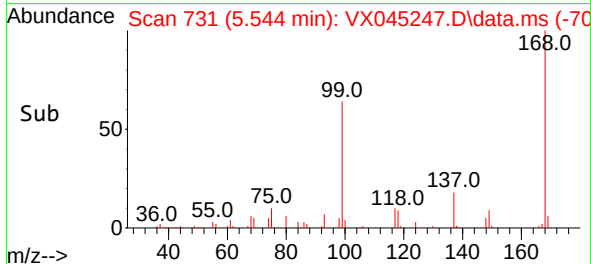
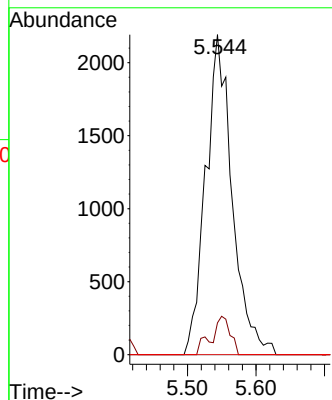
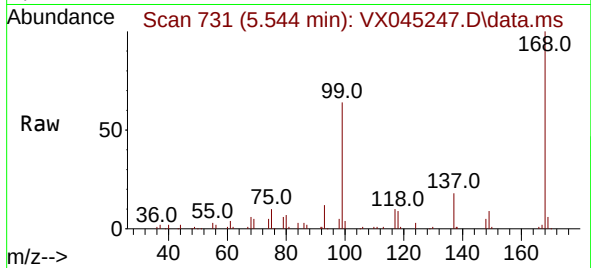




#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

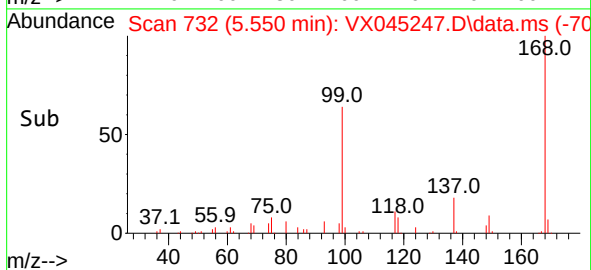
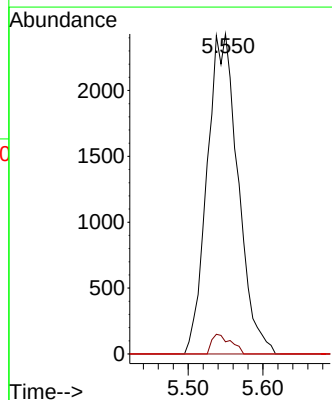
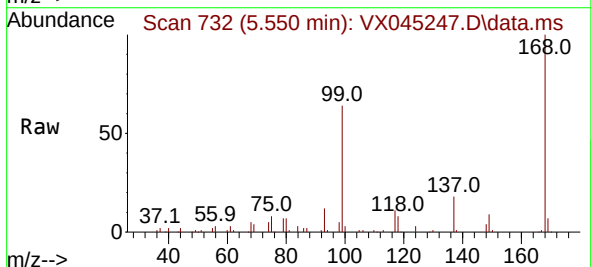
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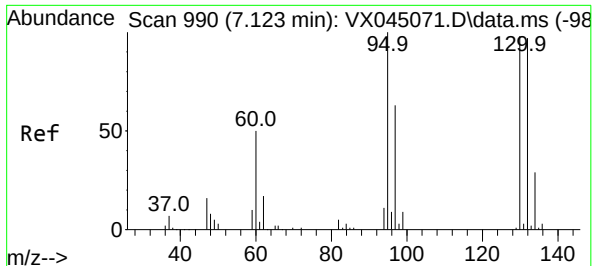
Tgt Ion: 75 Resp: 5898
Ion Ratio Lower Upper
75 100
110 6.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion: 117 Resp: 7004
Ion Ratio Lower Upper
117 100
119 3.8 76.7 115.1#
121 0.0 25.5 38.3#

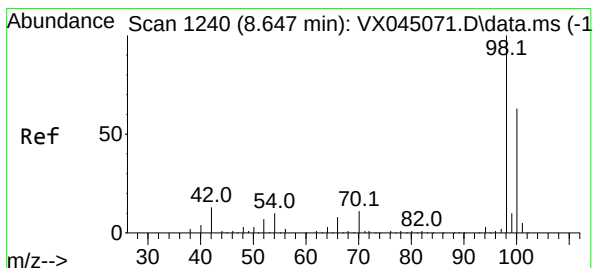
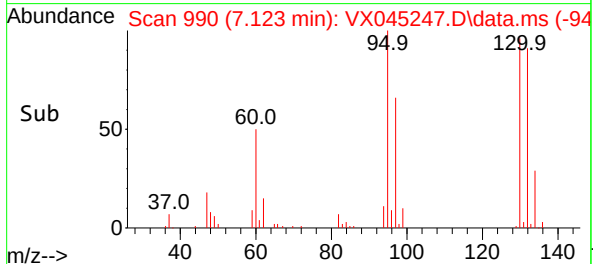
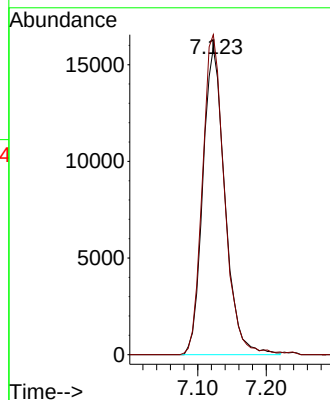
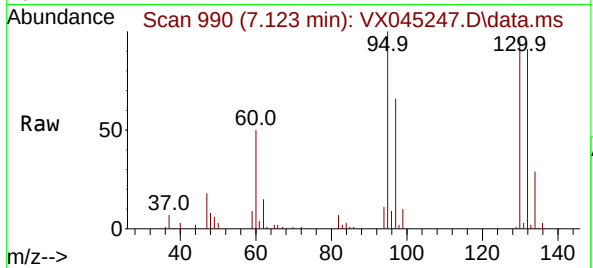




#44
Trichloroethene
Concen: 40.759 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

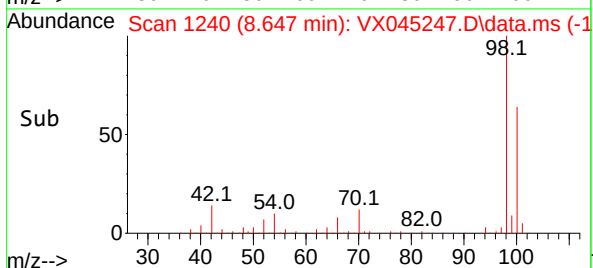
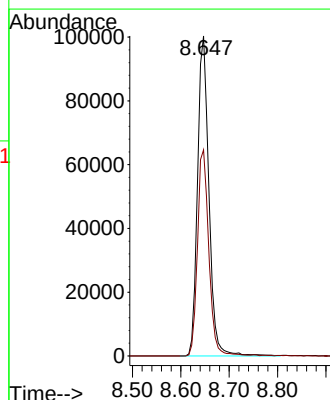
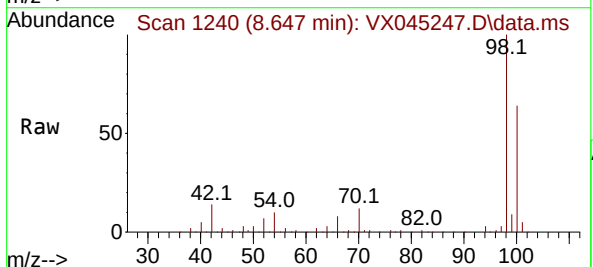
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

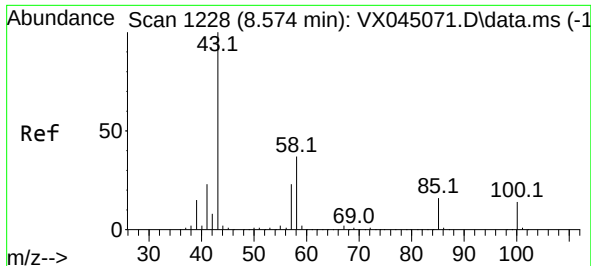
Tgt Ion:130 Resp: 35712
Ion Ratio Lower Upper
130 100
95 104.3 0.0 205.0



#50
Toluene-d8
Concen: 52.383 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion: 98 Resp: 163636
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

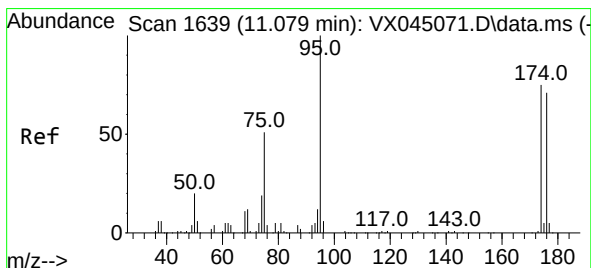
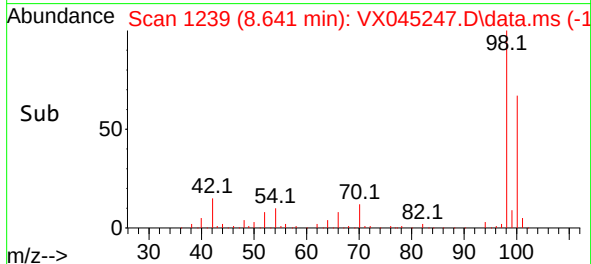
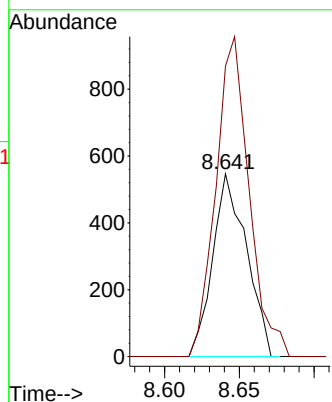
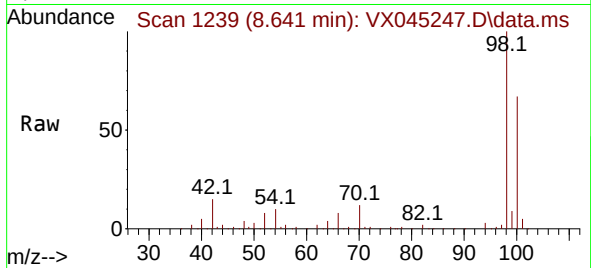




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.641 min Scan# 1228
Delta R.T. 0.067 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

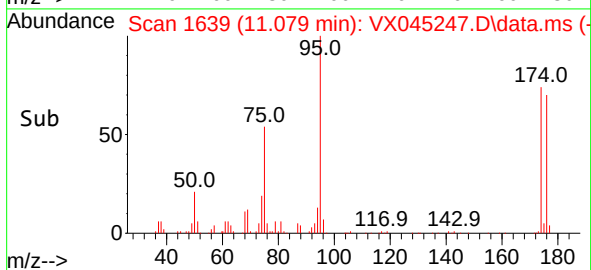
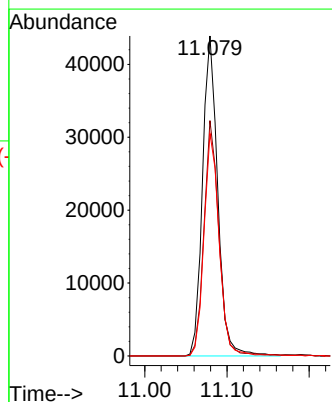
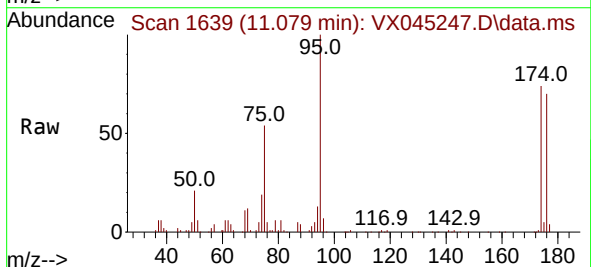
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

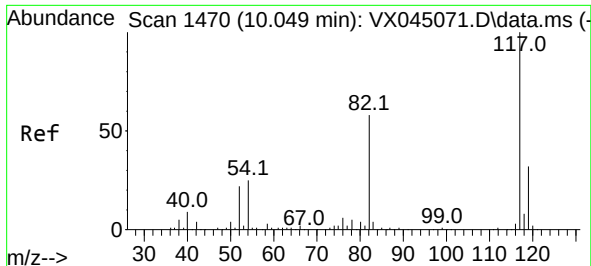
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
58 173.1 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 54.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion: 95 Resp: 56446
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.2
176 69.5 0.0 141.4

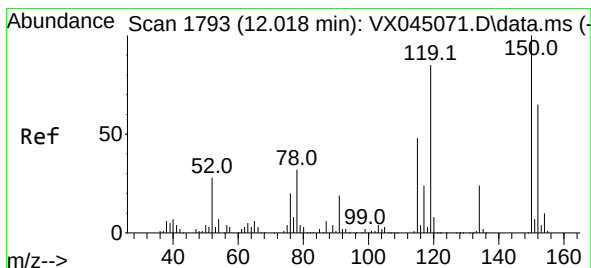
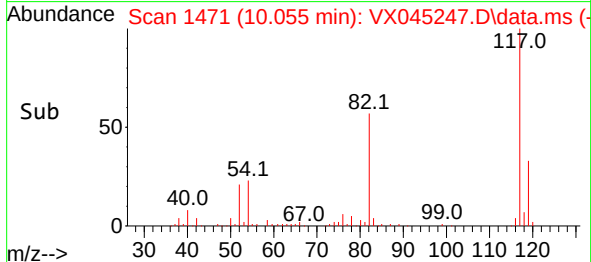
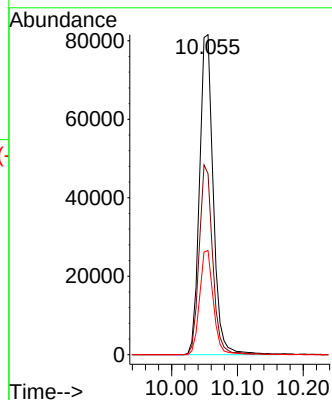
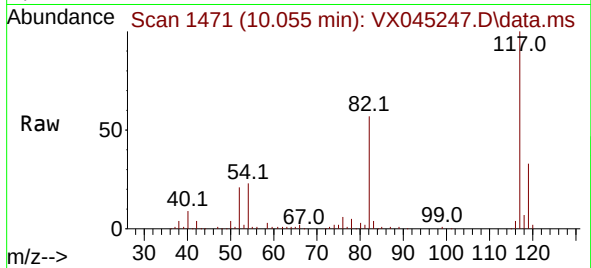




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

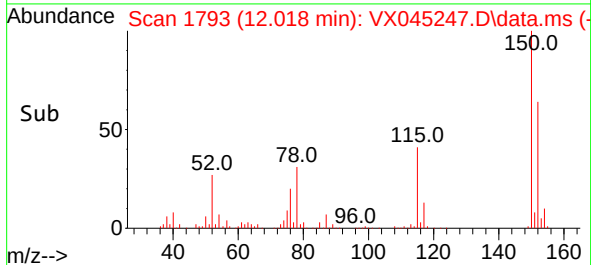
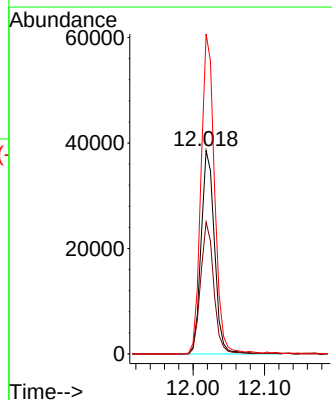
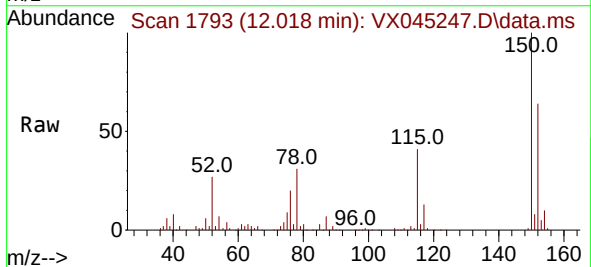
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307DL

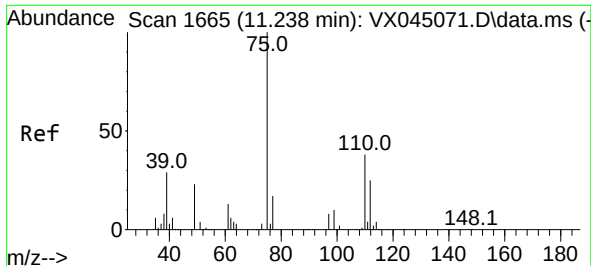
Tgt Ion:117 Resp: 118527
Ion Ratio Lower Upper
117 100
82 56.6 46.3 69.5
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045247.D
Acq: 12 Mar 2025 14:35

Tgt Ion:152 Resp: 50133
Ion Ratio Lower Upper
152 100
115 63.8 44.2 132.6
150 159.6 0.0 349.0

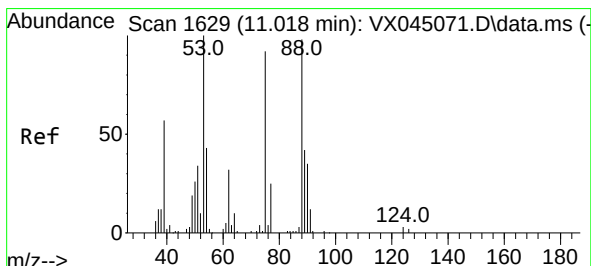
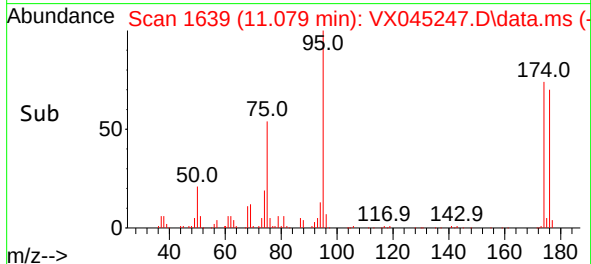
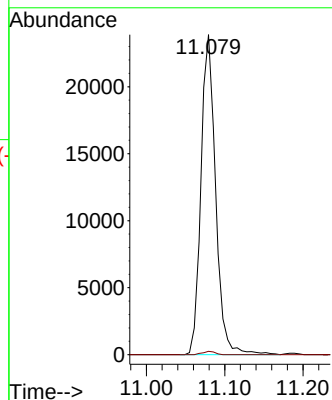
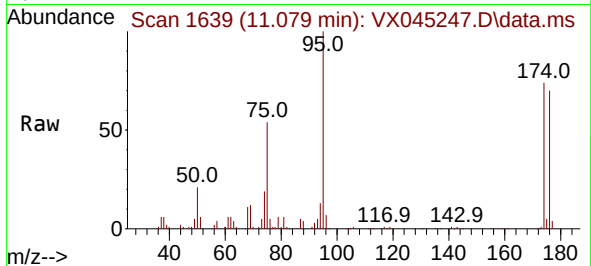




#76
 1,2,3-Trichloropropane
 Concen: 26.661 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045247.D
 Acq: 12 Mar 2025 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250307DL

Tgt Ion: 75 Resp: 31109
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.7 62.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.238 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045247.D
 Acq: 12 Mar 2025 14:35

Tgt Ion: 75 Resp: 31109
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

