

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046204.D
 Acq On : 15 May 2025 11:25
 Operator : JC/MD
 Sample : Q2031-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:02:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

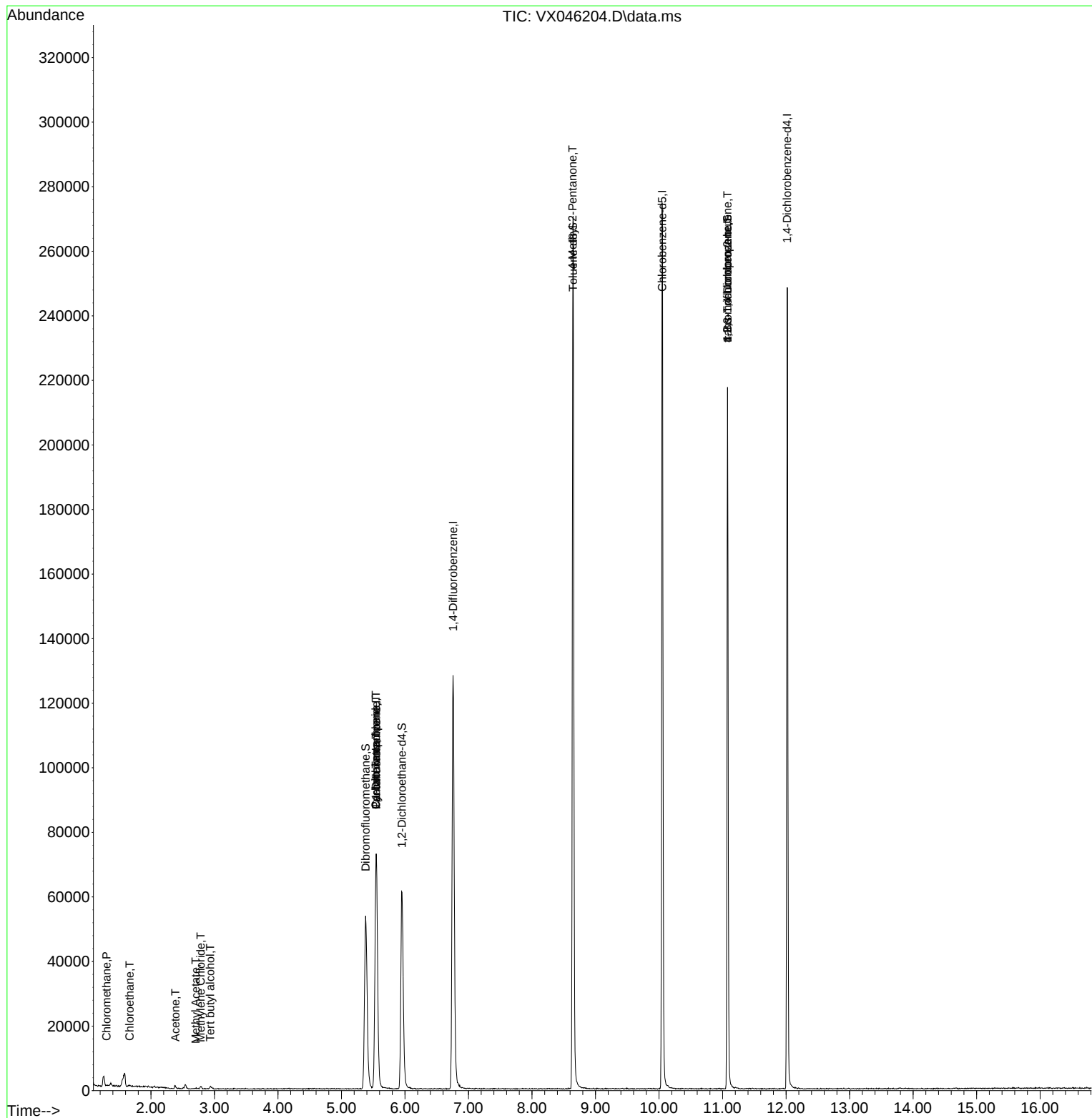
Internal Standards						
1) Pentafluorobenzene	5.550	168	61853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63210	54.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.640%			
35) Dibromofluoromethane	5.379	113	46246	52.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	8.647	98	153864	50.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.079	95	57377	49.396	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.800%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	243	0.265	ug/l #	43
6) Chloroethane	1.666	64	94	0.206	ug/l #	44
11) Tert butyl alcohol	2.934	59	417	2.576	ug/l #	72
16) Acetone	2.386	43	981	2.122	ug/l	92
18) Methyl Acetate	2.703	43	216	0.201	ug/l #	55
20) Methylene Chloride	2.782	84	419	0.473	ug/l #	62
31) Cyclohexane	5.544	56	1905	1.386	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	6253	5.319	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7483	5.665	ug/l #	17
51) 4-Methyl-2-Pentanone	8.641	43	1020	0.694	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33209	29.787	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33209	96.976	ug/l #	1

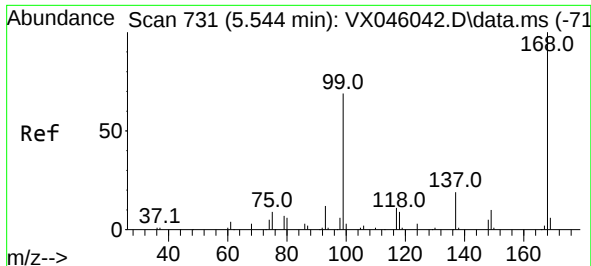
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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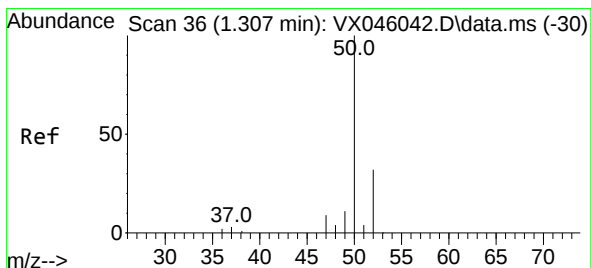
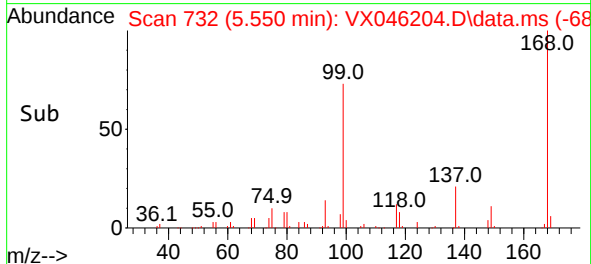
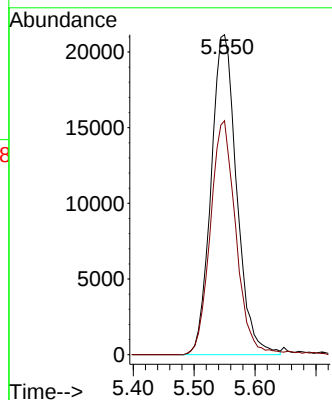
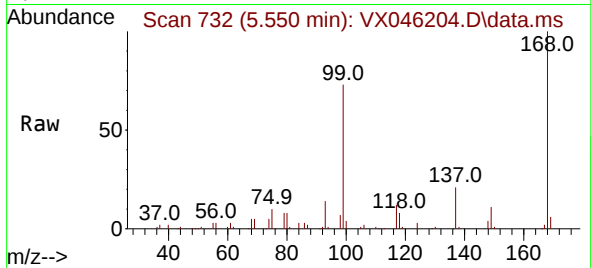




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

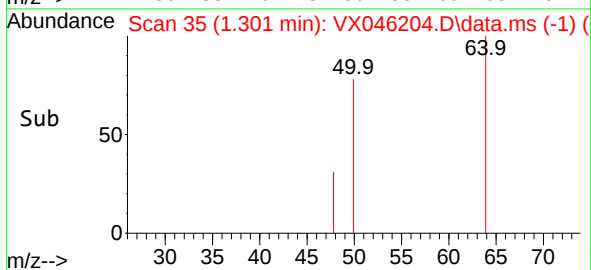
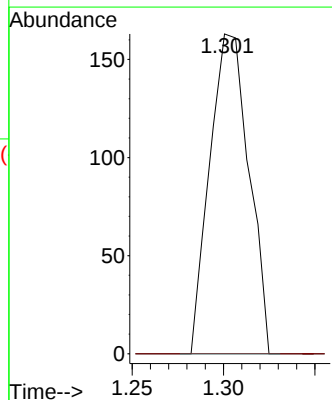
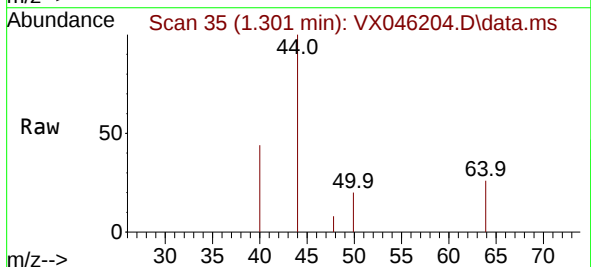
Instrument :
MSVOA_X
ClientSampleId :

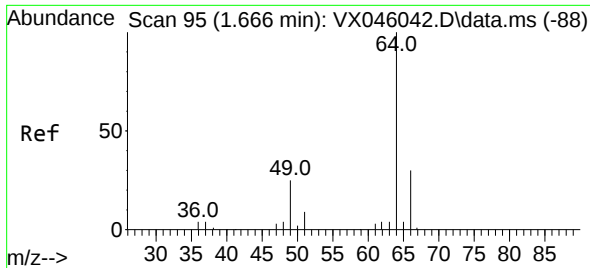
Tgt Ion:168 Resp: 61853
Ion Ratio Lower Upper
168 100
99 73.1 54.9 82.3



#3
Chloromethane
Concen: 0.265 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

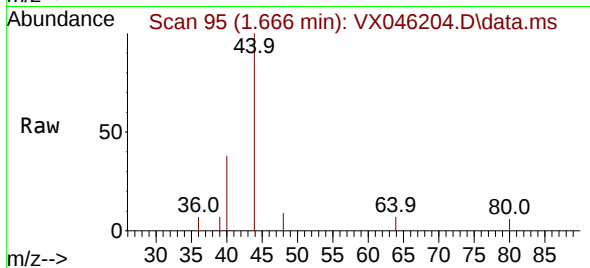
Tgt Ion: 50 Resp: 243
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



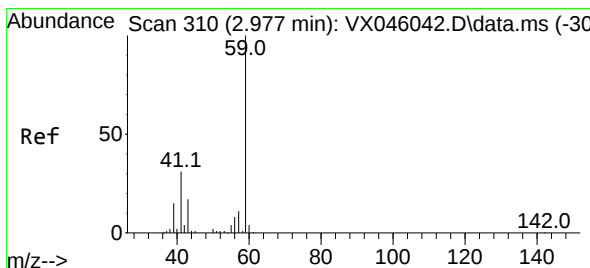
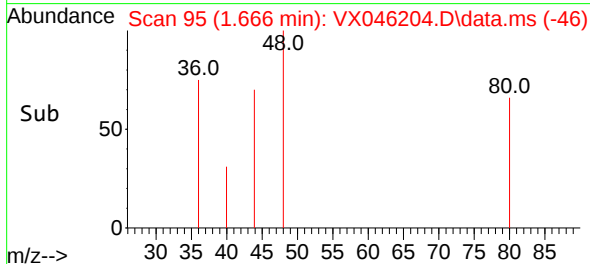
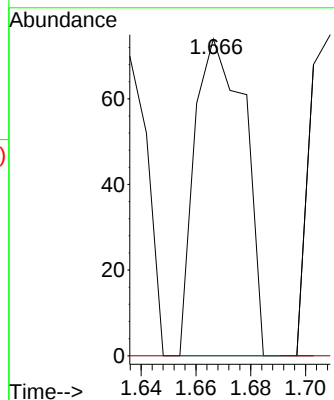


#6
Chloroethane
Concen: 0.206 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :

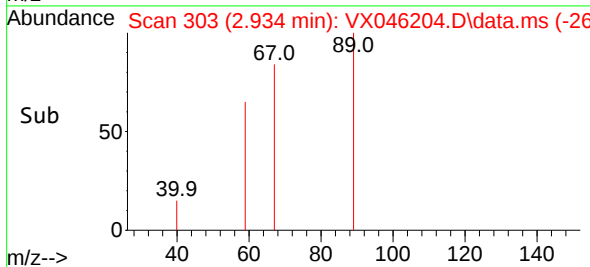
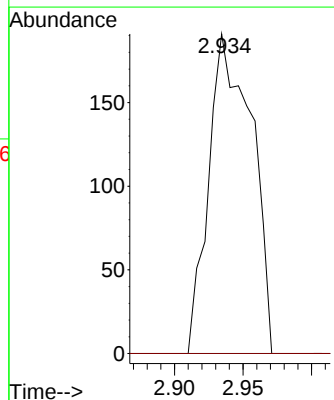
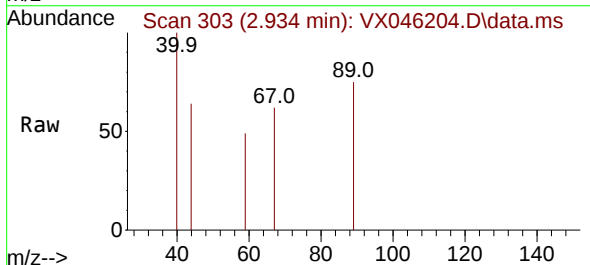


Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 2.576 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

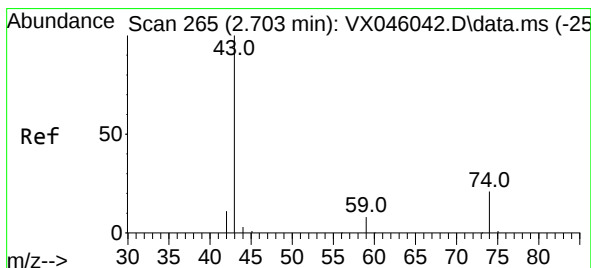
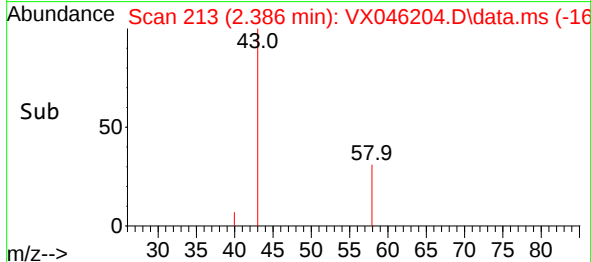
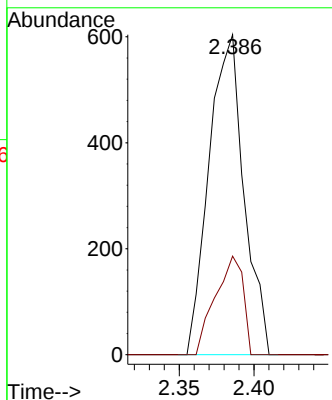
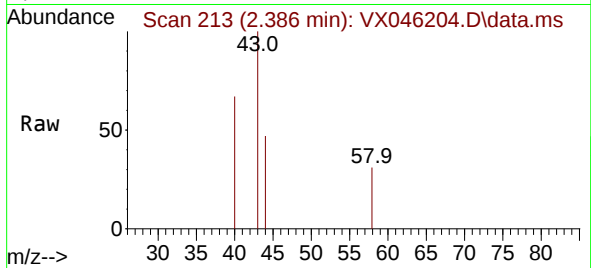




#16
 Acetone
 Concen: 2.122 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX046204.D
 Acq: 15 May 2025 11:25

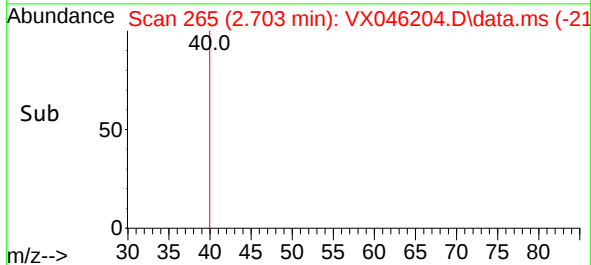
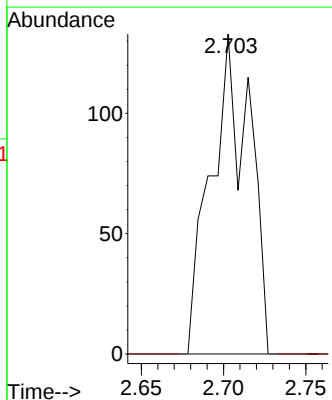
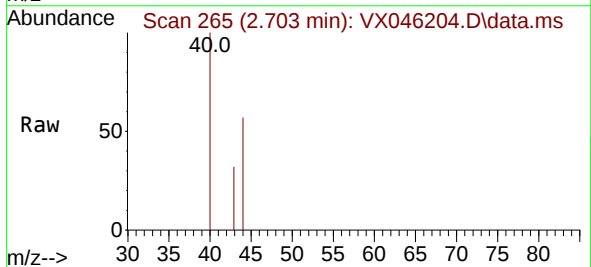
Instrument :
 MSVOA_X
 ClientSampleId :

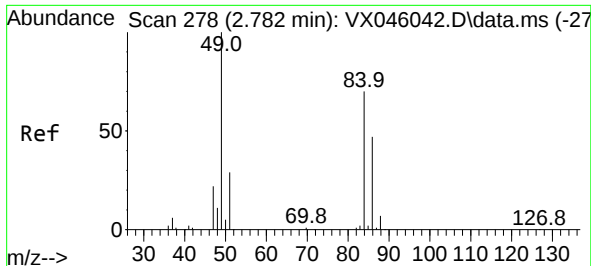
Tgt Ion: 43 Resp: 981
 Ion Ratio Lower Upper
 43 100
 58 30.8 21.2 31.8



#18
 Methyl Acetate
 Concen: 0.201 ug/l
 RT: 2.703 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VX046204.D
 Acq: 15 May 2025 11:25

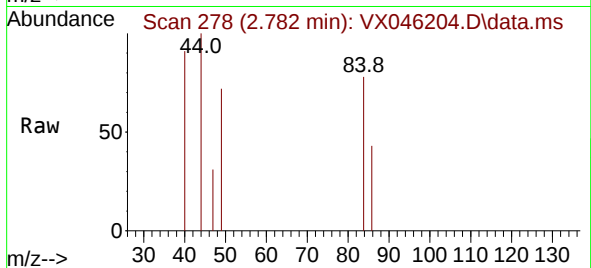
Tgt Ion: 43 Resp: 216
 Ion Ratio Lower Upper
 43 100
 74 0.0 16.7 25.1#



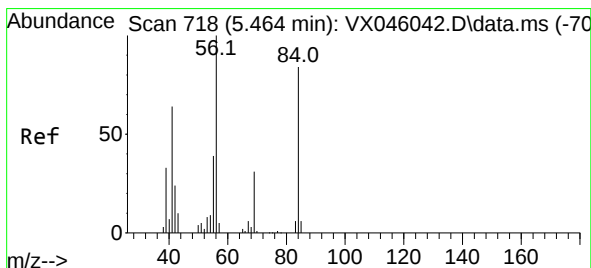
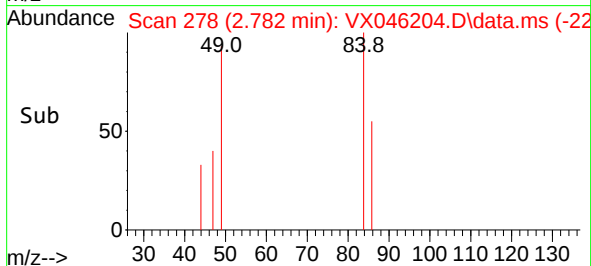
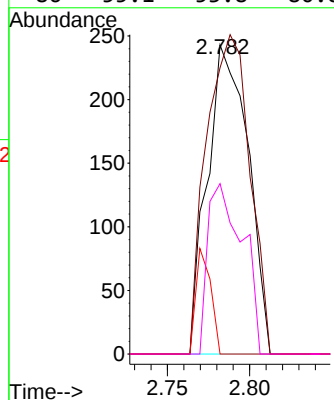


#20
Methylene Chloride
Concen: 0.473 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :

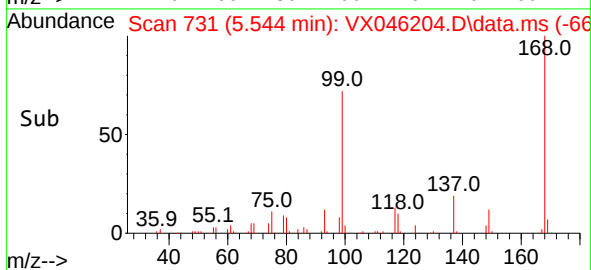
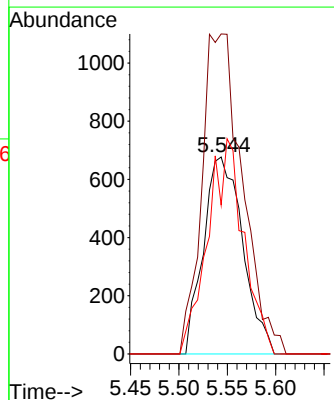
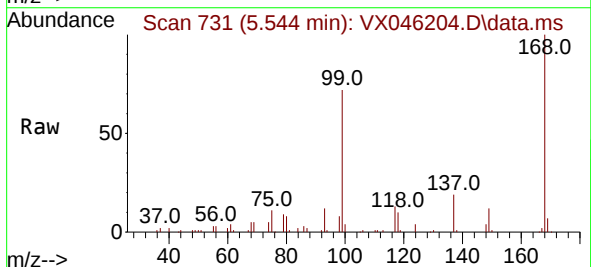


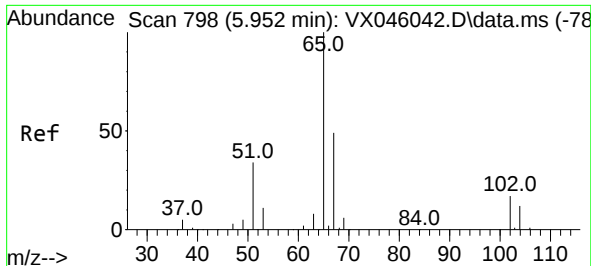
Tgt Ion: 84	Resp: 419
Ion Ratio	Lower Upper
84 100	
49 92.6	113.9 170.9#
51 0.0	33.5 50.3#
86 55.1	53.8 80.8



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Tgt Ion: 56	Resp: 1905
Ion Ratio	Lower Upper
56 100	
69 162.5	24.4 36.6#
84 75.6	66.9 100.3

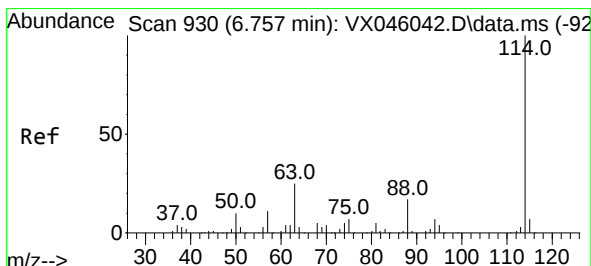
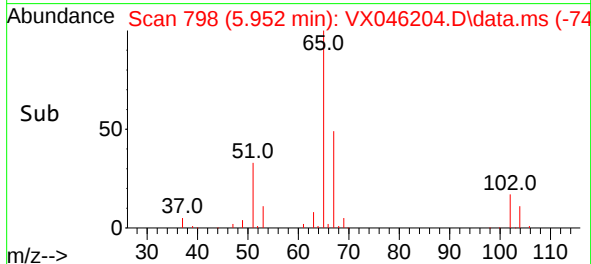
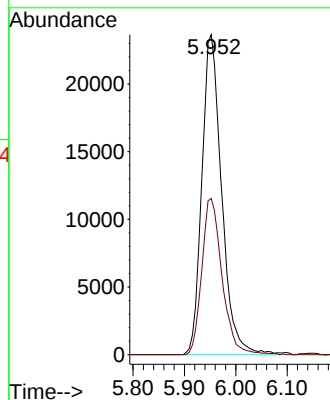
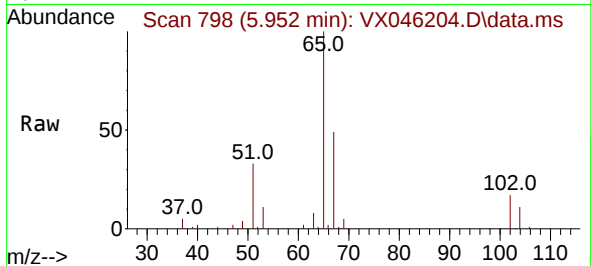




#33
 1,2-Dichloroethane-d4
 Concen: 54.816 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046204.D
 Acq: 15 May 2025 11:25

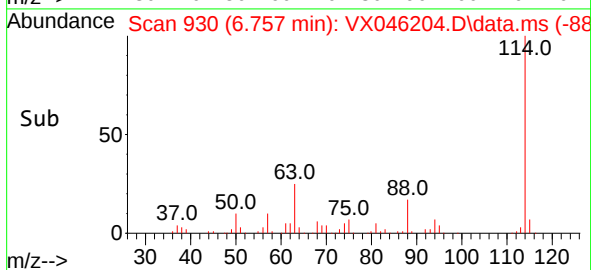
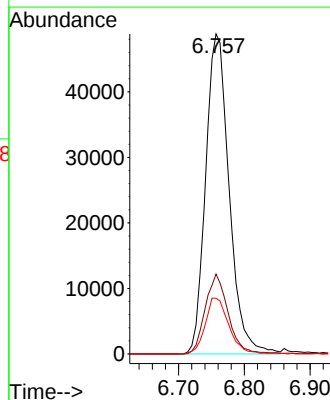
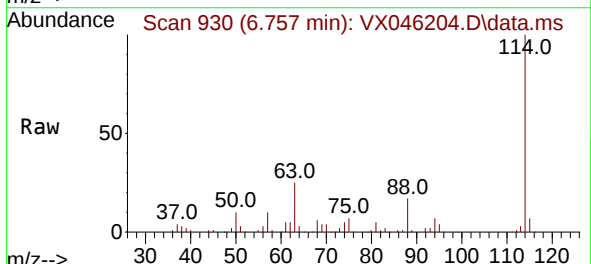
Instrument :
 MSVOA_X
 ClientSampleId :

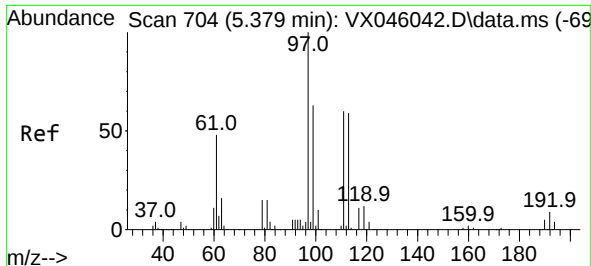
Tgt Ion: 65 Resp: 63210
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046204.D
 Acq: 15 May 2025 11:25

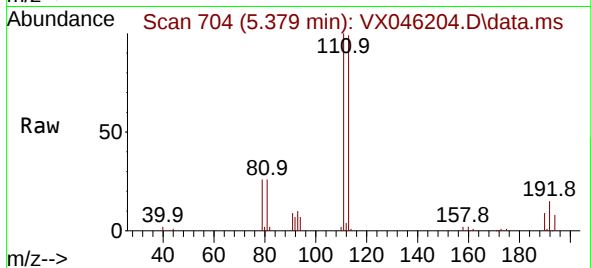
Tgt Ion: 114 Resp: 121497
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.4 0.0 33.6



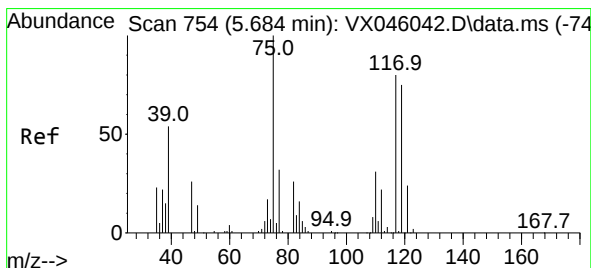
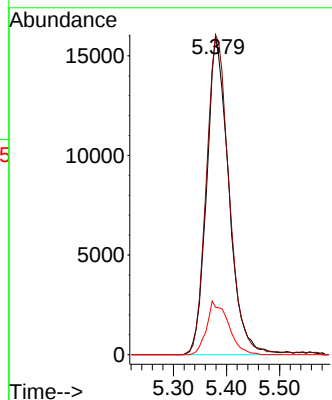
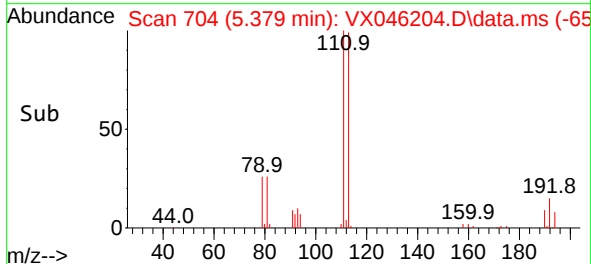


#35
Dibromofluoromethane
Concen: 52.858 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

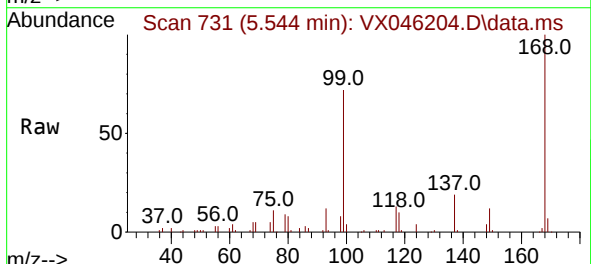
Instrument :
MSVOA_X
ClientSampleId :



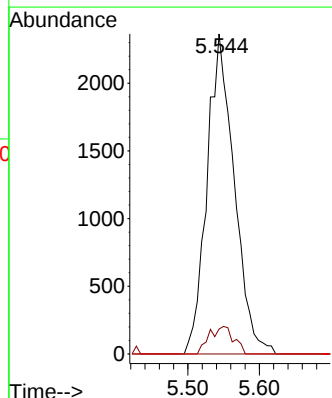
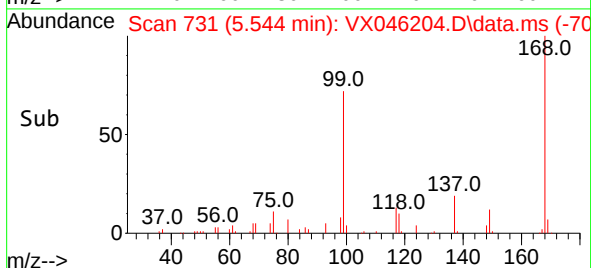
Tgt Ion:113 Resp: 46246
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 16.5 13.3 19.9

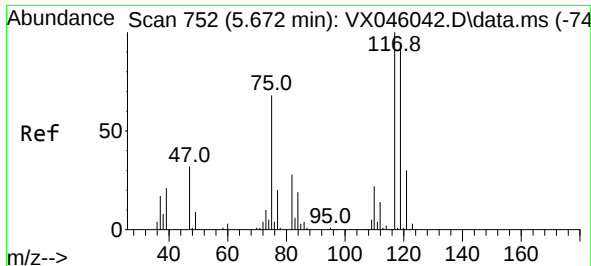


#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25



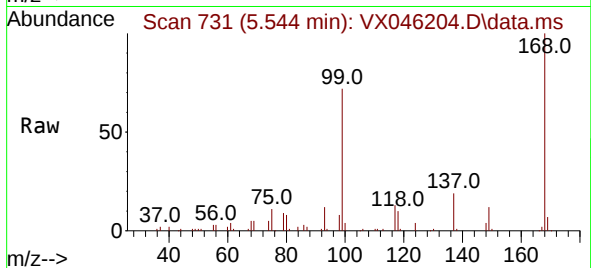
Tgt Ion: 75 Resp: 6253
Ion Ratio Lower Upper
75 100
110 7.7 16.3 48.9#
77 0.0 24.3 36.5#



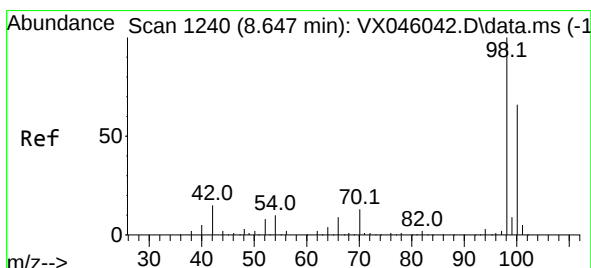
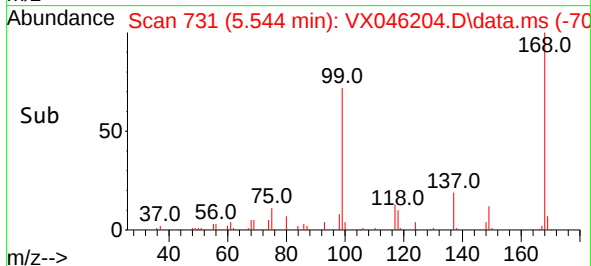
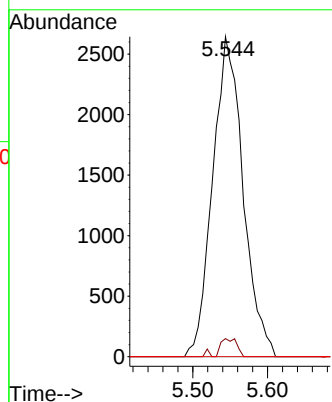


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :

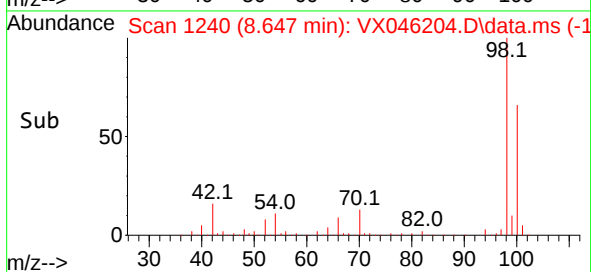
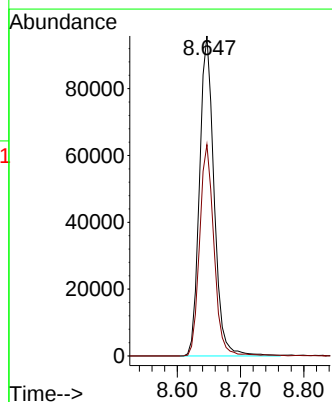
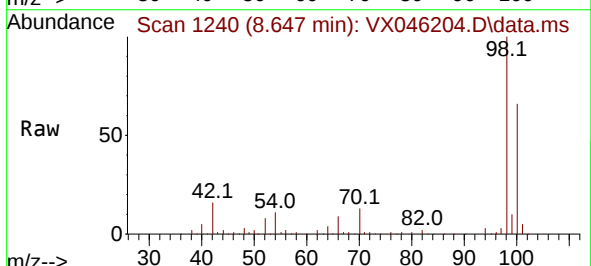


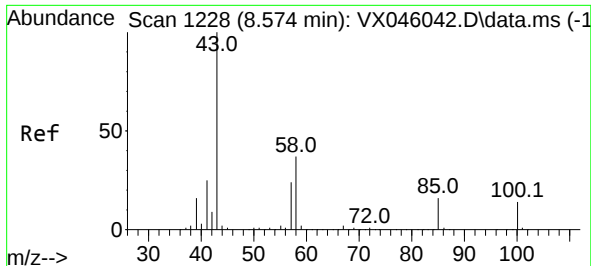
Tgt Ion:117 Resp: 7483
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.811 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Tgt Ion: 98 Resp: 153864
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3

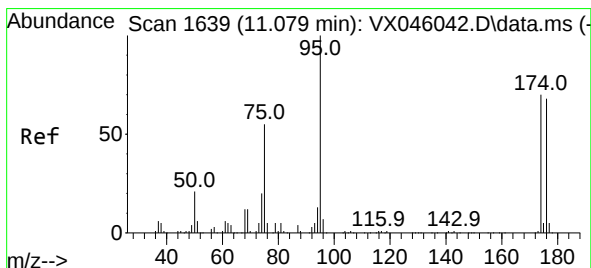
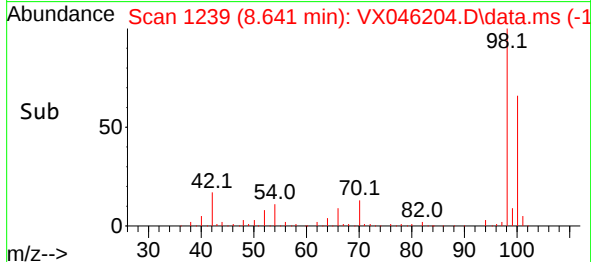
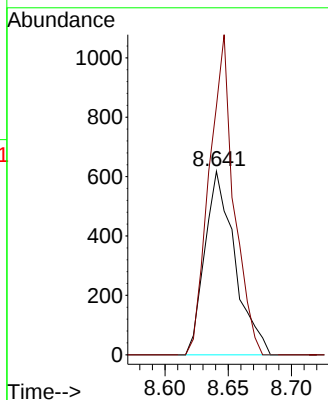
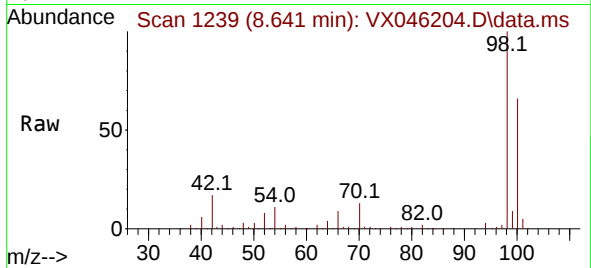




#51
4-Methyl-2-Pentanone
Concen: 0.694 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

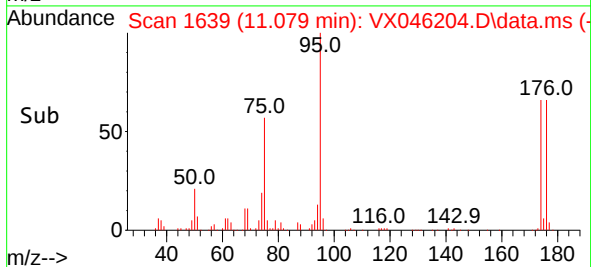
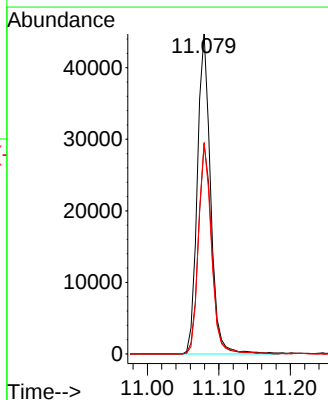
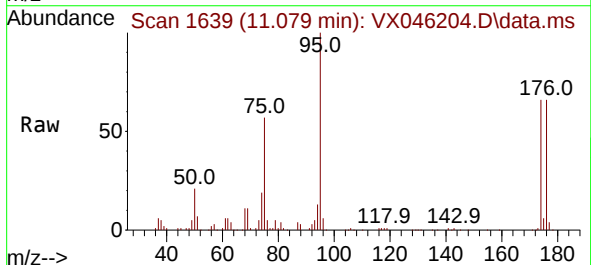
Instrument :
MSVOA_X
ClientSampleId :

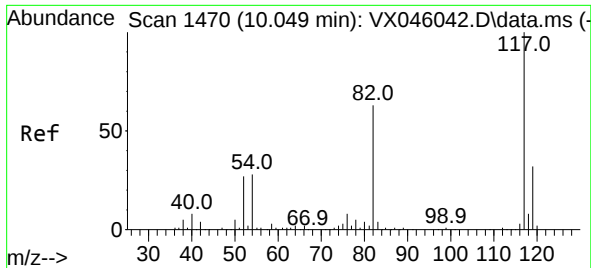
Tgt Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
58 144.1 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 49.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Tgt Ion: 95 Resp: 57377
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 64.9 0.0 131.4

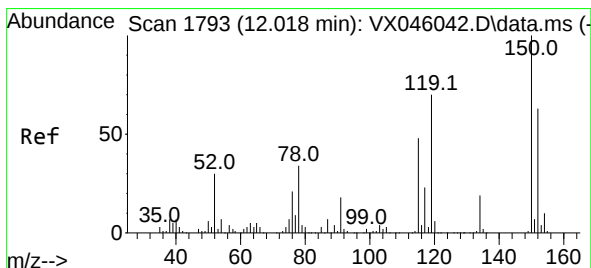
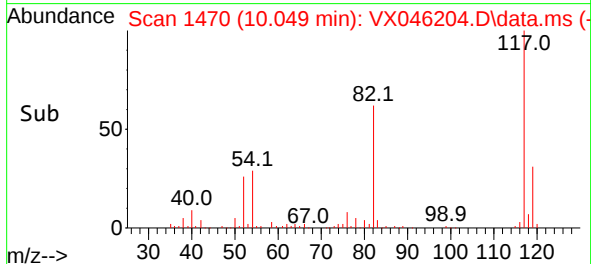
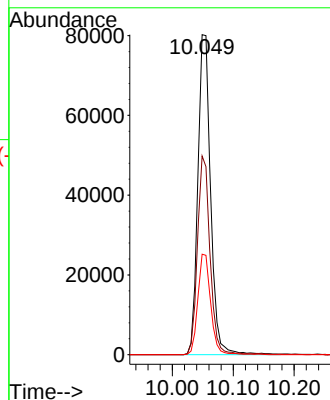
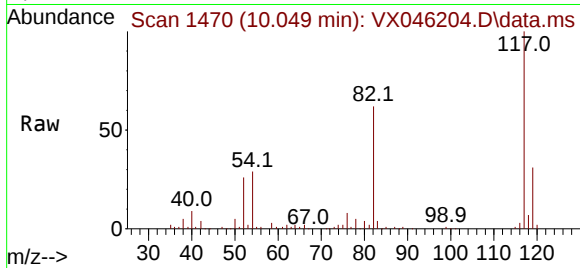




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

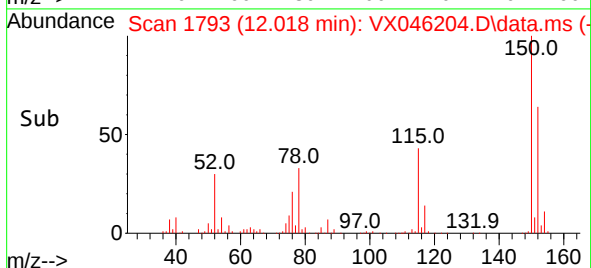
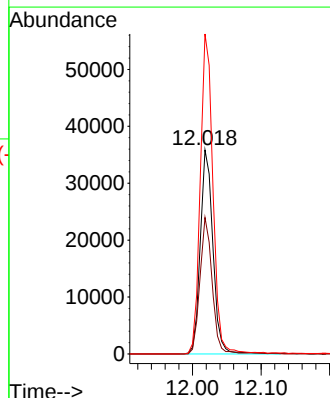
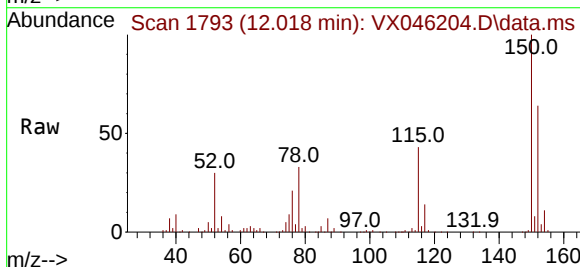
Instrument :
MSVOA_X
ClientSampleId :

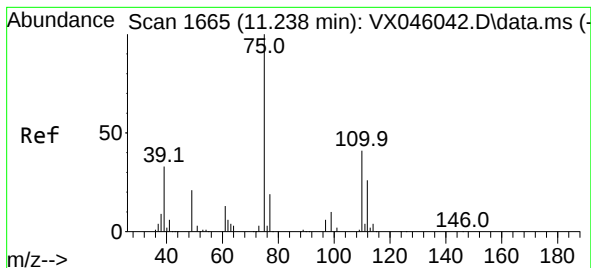
Tgt Ion:117 Resp: 116697
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046204.D
Acq: 15 May 2025 11:25

Tgt Ion:152 Resp: 46318
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 156.5 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.787 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046204.D

Acq: 15 May 2025 11:25

Instrument :

MSVOA_X

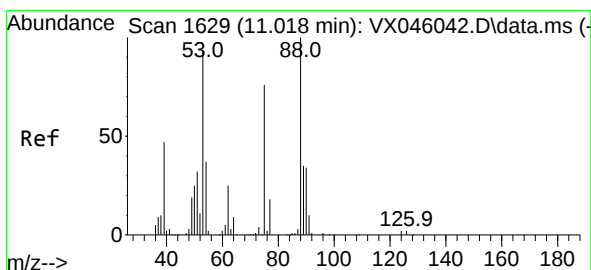
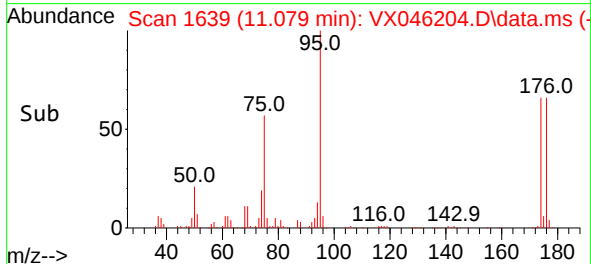
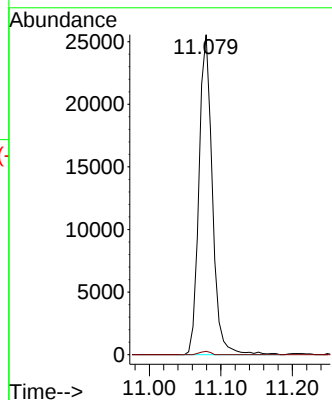
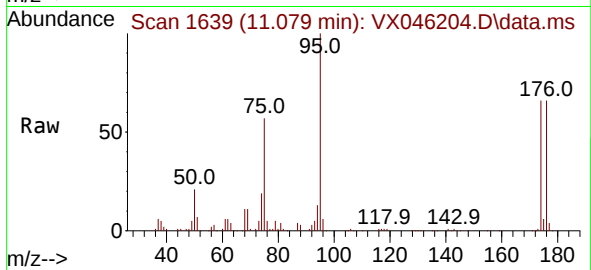
ClientSampleId :

Tgt Ion: 75 Resp: 33209

Ion Ratio Lower Upper

75 100

77 0.8 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.976 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046204.D

Acq: 15 May 2025 11:25

Tgt Ion: 75 Resp: 33209

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

