

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046225.D
 Acq On : 15 May 2025 19:38
 Operator : JC/MD
 Sample : Q2043-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3139

Quant Time: May 16 01:11:08 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)

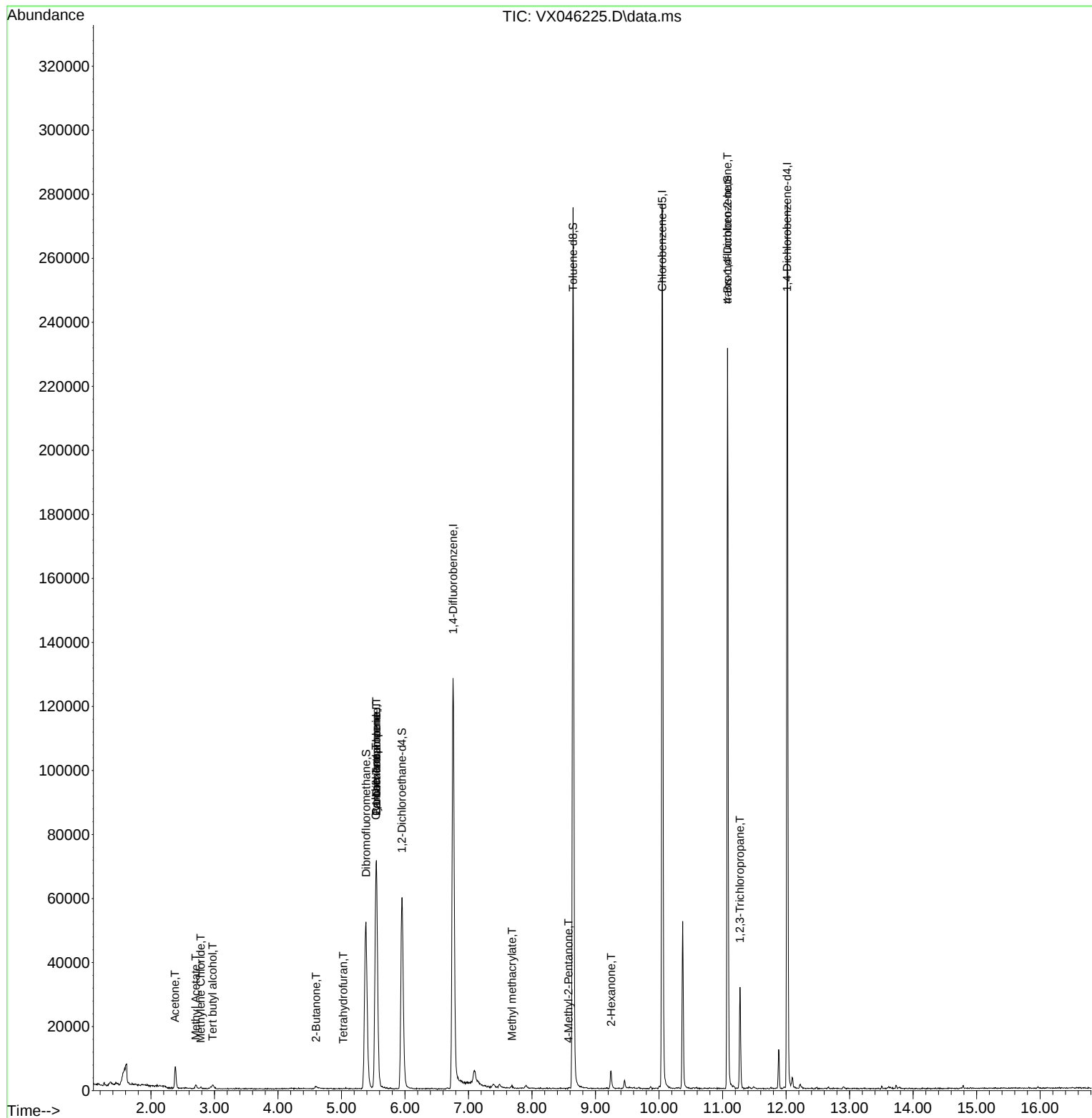
Internal Standards						
1) Pentafluorobenzene	5.550	168	61172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62381	54.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.400%			
35) Dibromofluoromethane	5.385	113	45074	51.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.647	98	153695	50.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	60550	52.260	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	1498	9.358	ug/l #	83
16) Acetone	2.380	43	7891	17.257	ug/l	95
18) Methyl Acetate	2.703	43	1786	1.683	ug/l	92
20) Methylene Chloride	2.782	84	176	0.201	ug/l #	78
25) 2-Butanone	4.599	43	1496	2.254	ug/l	91
29) Tetrahydrofuran	5.025	42	87	0.209	ug/l #	35
31) Cyclohexane	5.544	56	1803	1.327	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	5636	4.807	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7166	5.439	ug/l #	18
48) Methyl methacrylate	7.683	41	390	0.346	ug/l #	53
51) 4-Methyl-2-Pentanone	8.574	43	507	0.346	ug/l #	39
59) 2-Hexanone	9.244	43	3771	3.474	ug/l	67
76) 1,2,3-Trichloropropane	11.274	75	1822	1.479	ug/l #	51
81) trans-1,4-Dichloro-2-b...	11.079	75	34476	91.099	ug/l #	1

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

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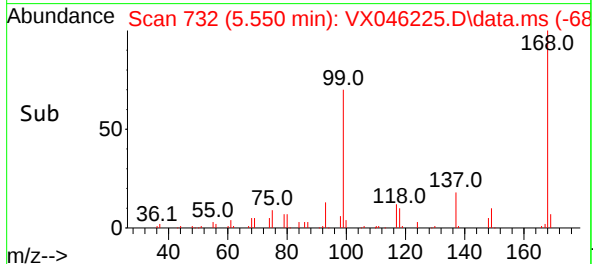
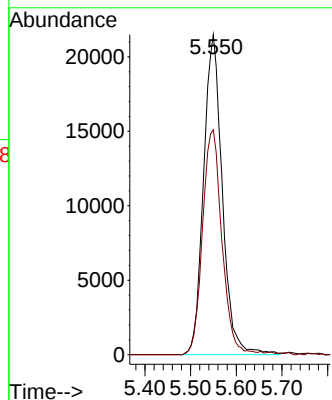
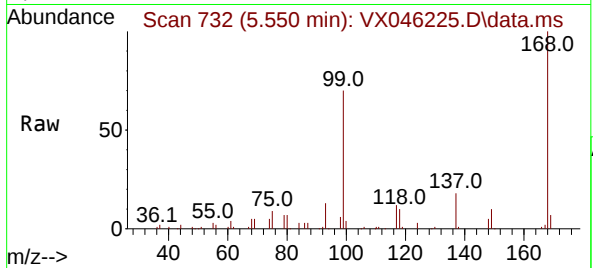




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

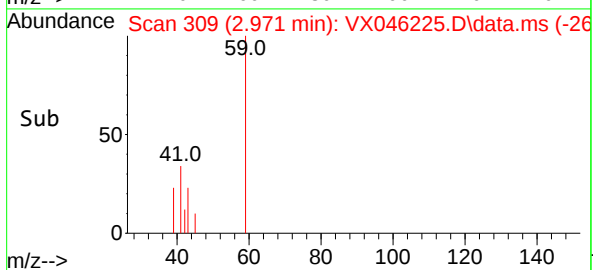
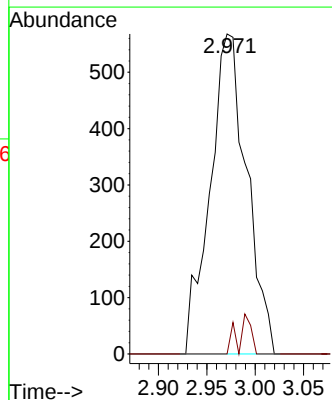
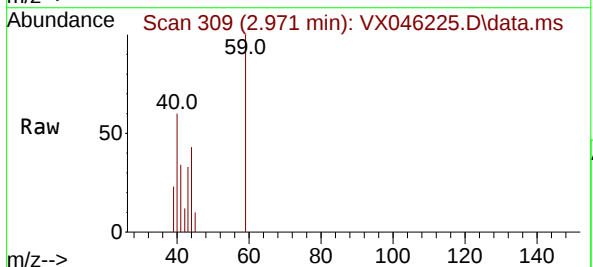
Instrument :
MSVOA_X
ClientSampleId :
3139

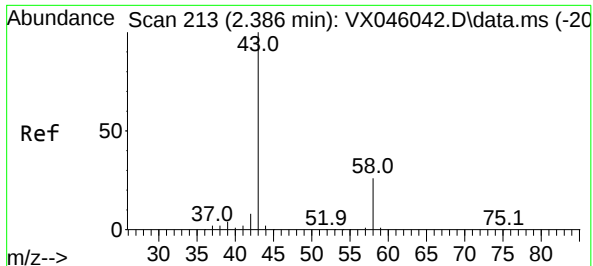
Tgt Ion:168 Resp: 61172
Ion Ratio Lower Upper
168 100
99 70.3 54.9 82.3



#11
Tert butyl alcohol
Concen: 9.358 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion: 59 Resp: 1498
Ion Ratio Lower Upper
59 100
57 4.3 8.6 12.8#

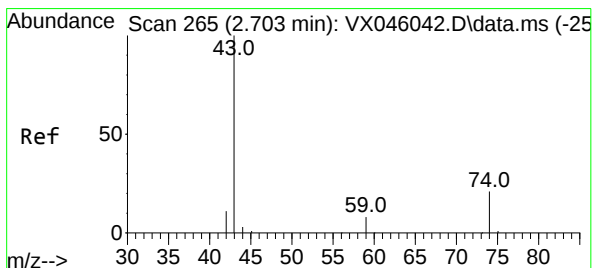
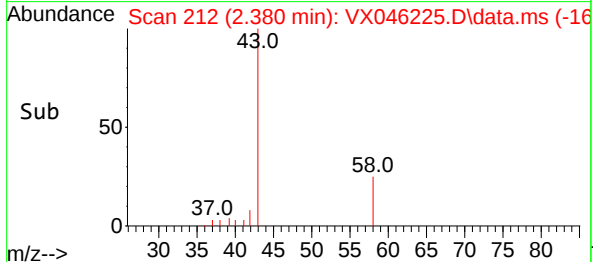
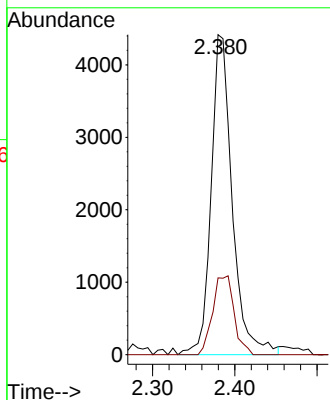
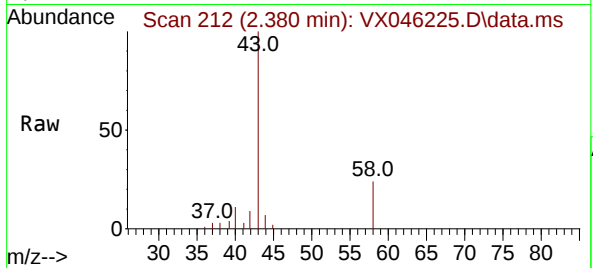




#16
Acetone
Concen: 17.257 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

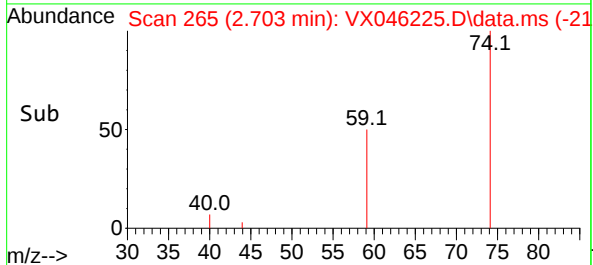
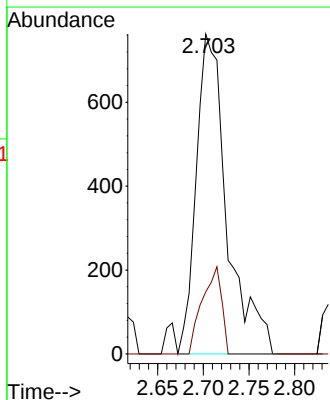
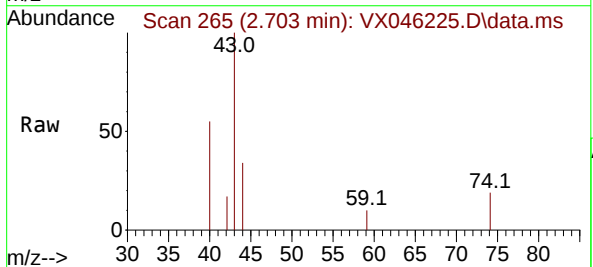
Instrument :
MSVOA_X
ClientSampleId :
3139

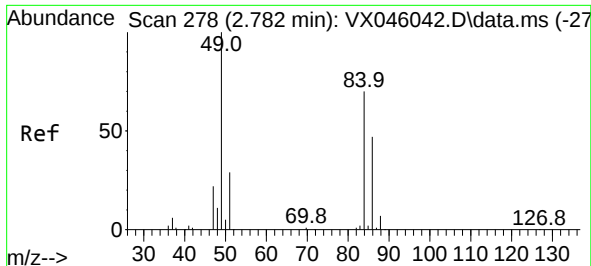
Tgt Ion: 43 Resp: 7891
Ion Ratio Lower Upper
43 100
58 24.0 21.2 31.8



#18
Methyl Acetate
Concen: 1.683 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
74 17.1 16.7 25.1

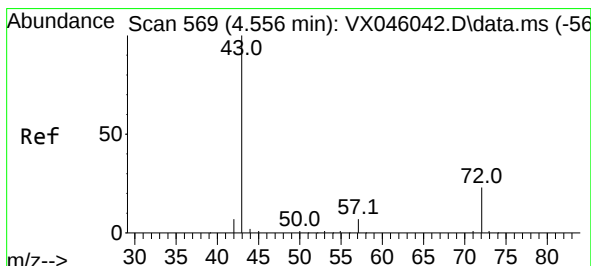
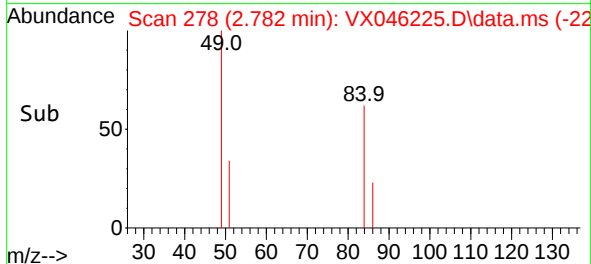
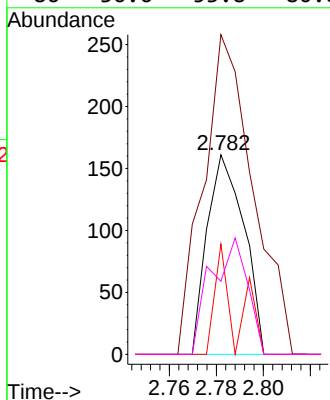
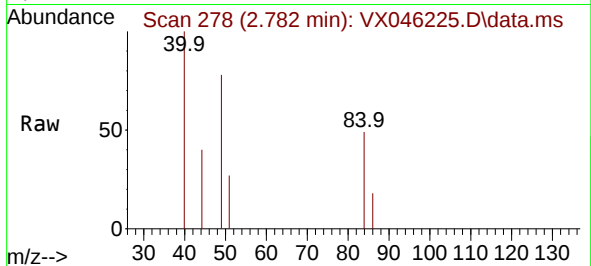




#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

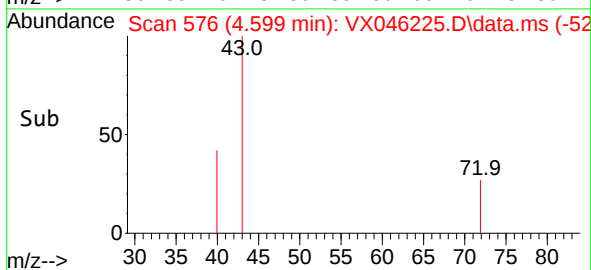
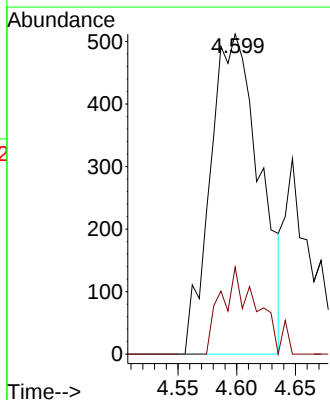
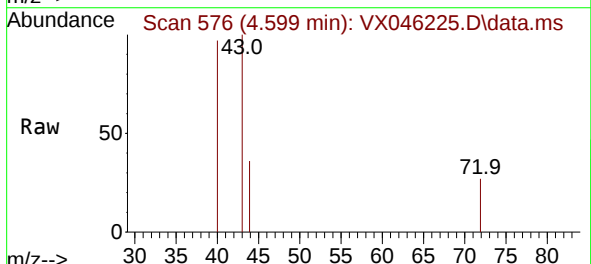
Instrument :
MSVOA_X
ClientSampleId :
3139

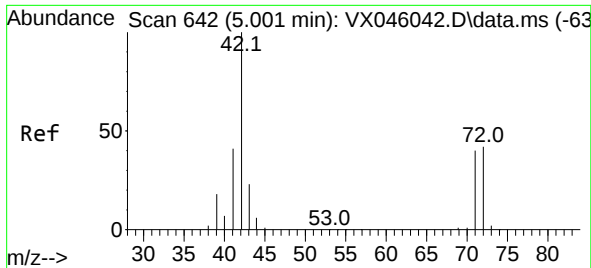
Tgt Ion:	84	Resp:	176
Ion	Ratio	Lower	Upper
84	100		
49	160.2	113.9	170.9
51	55.3	33.5	50.3#
86	36.6	53.8	80.8#



#25
2-Butanone
Concen: 2.254 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion:	43	Resp:	1496
Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.4	27.6

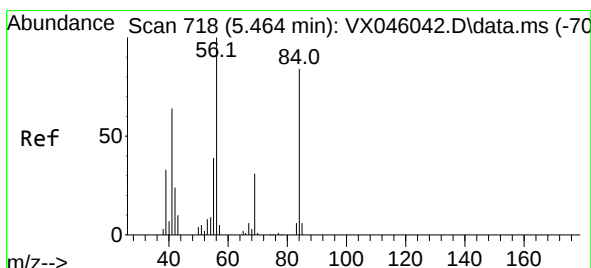
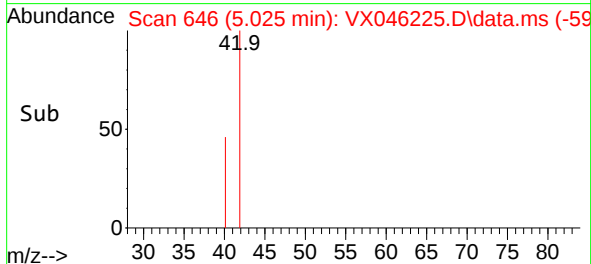
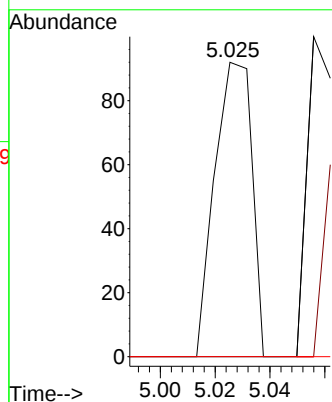
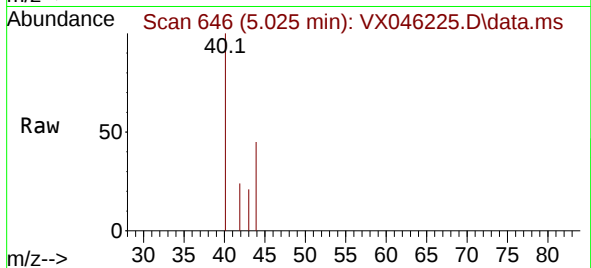




#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 5.025 min Scan# 642
Delta R.T. 0.024 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

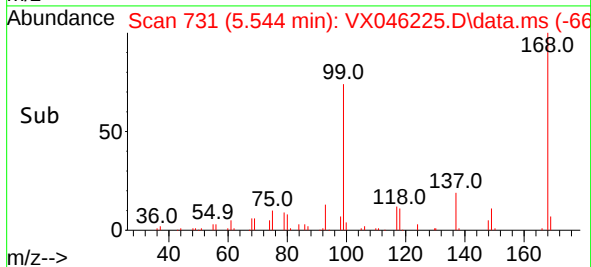
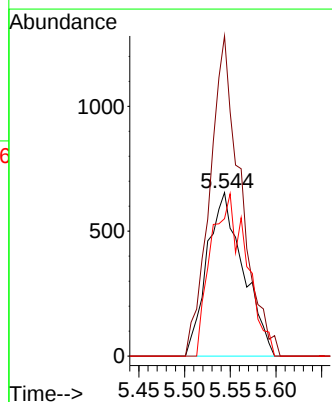
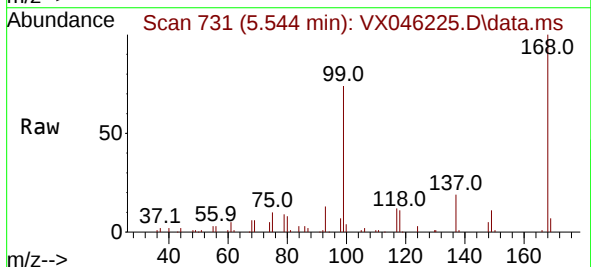
Instrument :
MSVOA_X
ClientSampleId :
3139

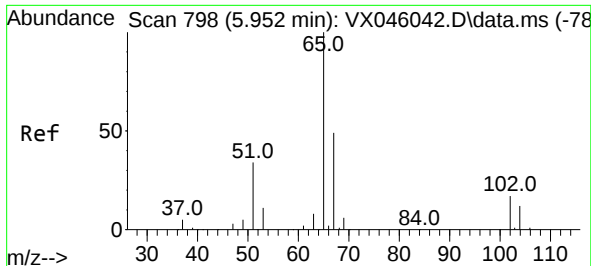
Tgt Ion:	42	Resp:	87
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.4	47.2#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion:	56	Resp:	1803
Ion	Ratio	Lower	Upper
56	100		
69	195.7	24.4	36.6#
84	84.0	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 54.699 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046225.D

Acq: 15 May 2025 19:38

Instrument :

MSVOA_X

ClientSampleId :

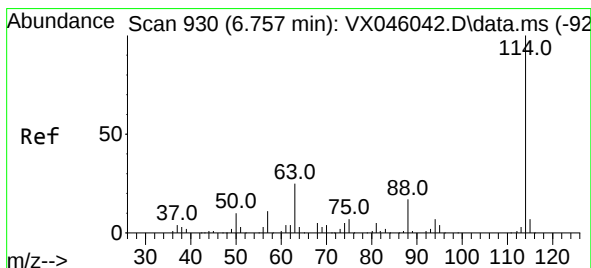
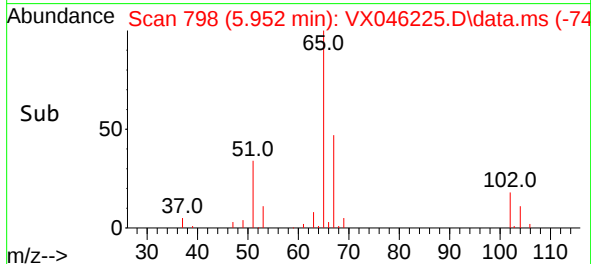
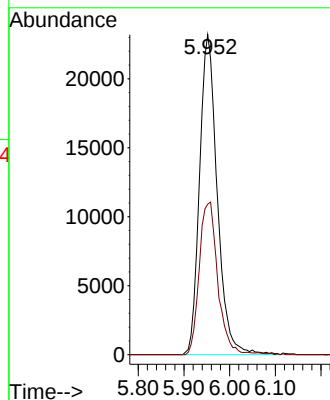
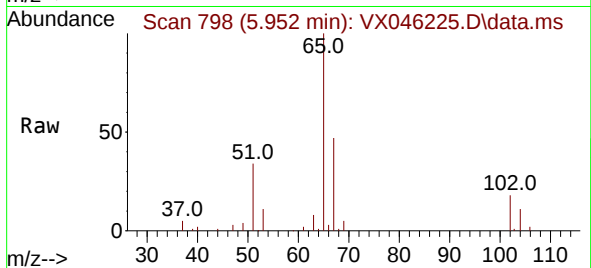
3139

Tgt Ion: 65 Resp: 62381

Ion Ratio Lower Upper

65 100

67 50.2 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: VX046225.D

Acq: 15 May 2025 19:38

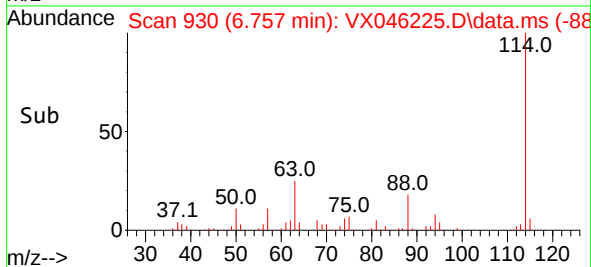
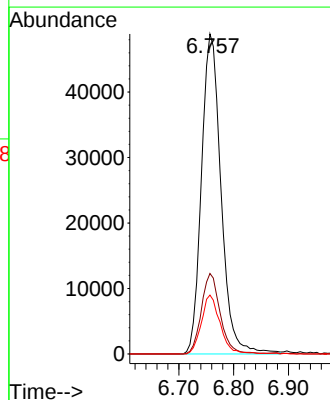
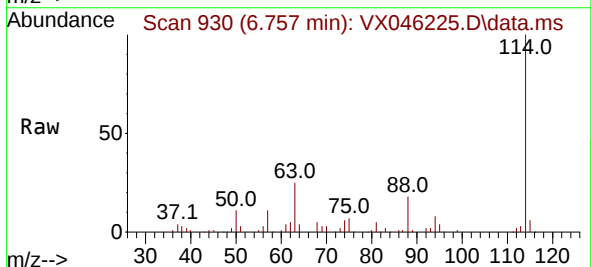
Tgt Ion: 114 Resp: 121190

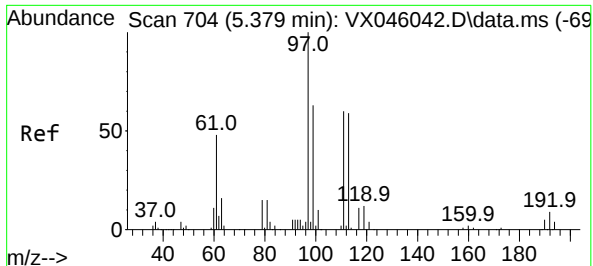
Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

88 18.4 0.0 33.6

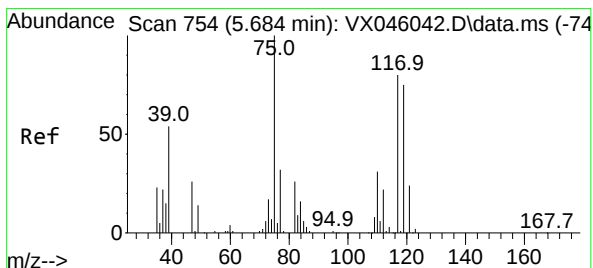
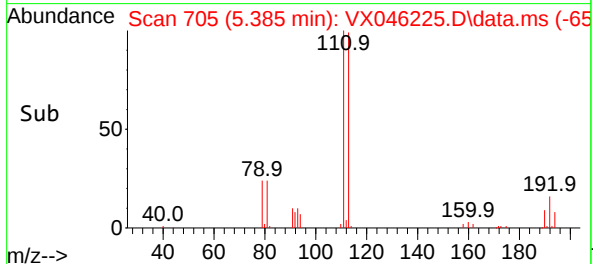
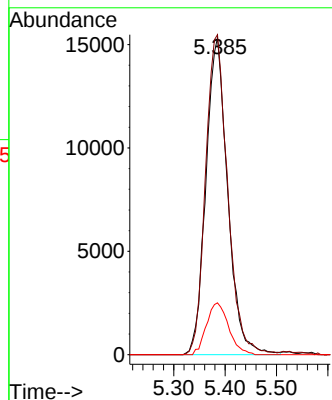
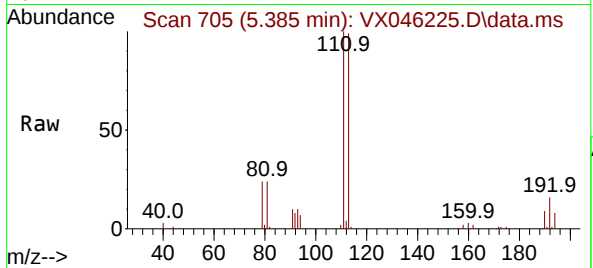




#35
Dibromofluoromethane
Concen: 51.649 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

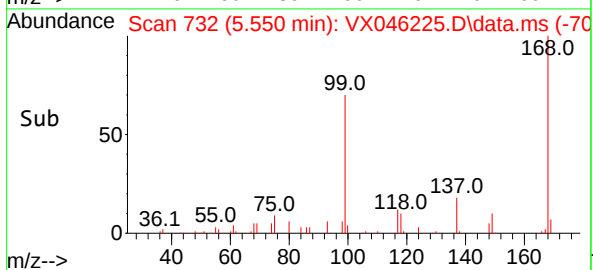
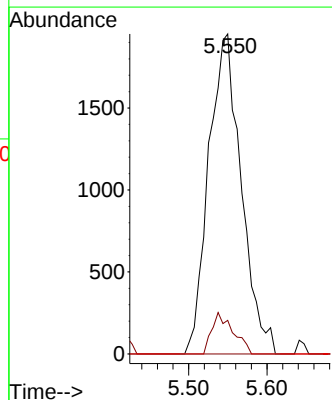
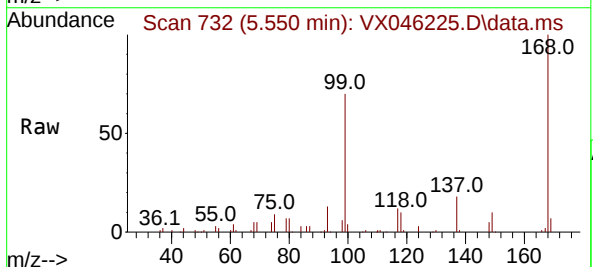
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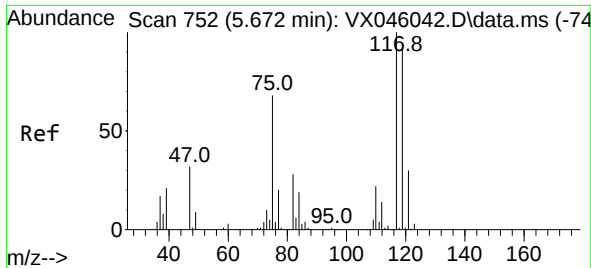
Tgt Ion:113 Resp: 45074
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

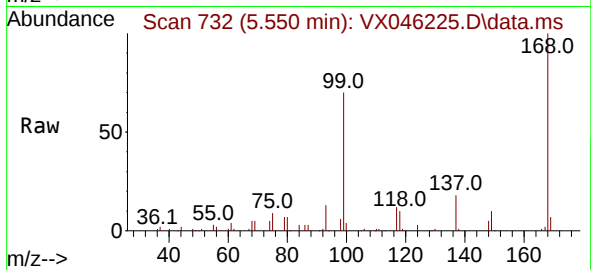
Tgt Ion: 75 Resp: 5636
Ion Ratio Lower Upper
75 100
110 8.4 16.3 48.9#
77 0.0 24.3 36.5#



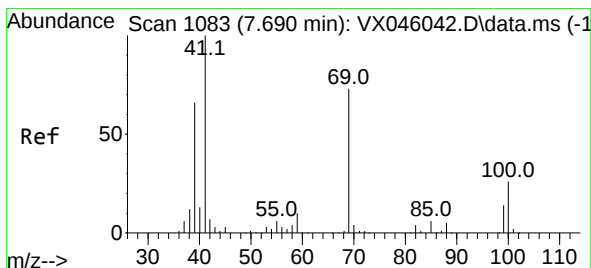
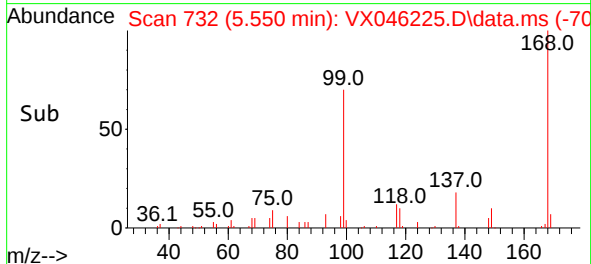
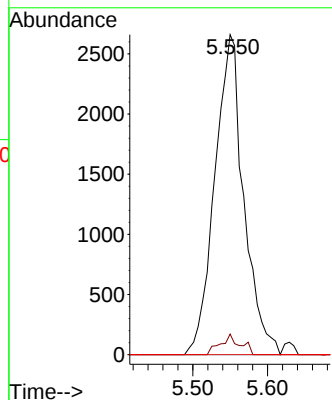


#38
Carbon Tetrachloride
Concen: 5.439 ug/l
RT: 5.550 min Scan# 7139
Delta R.T. -0.122 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Instrument :
MSVOA_X
ClientSampleId :
3139

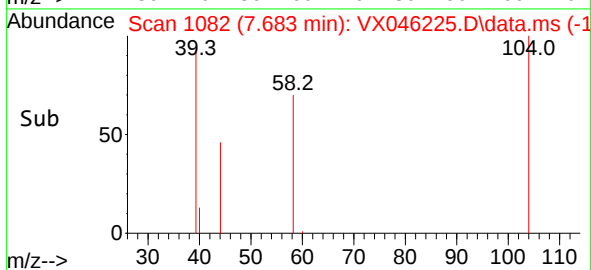
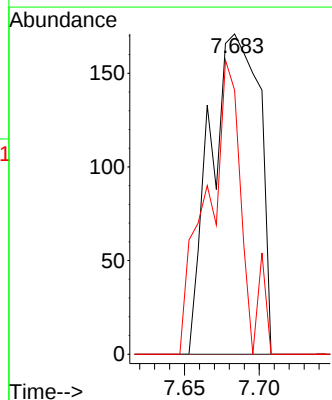
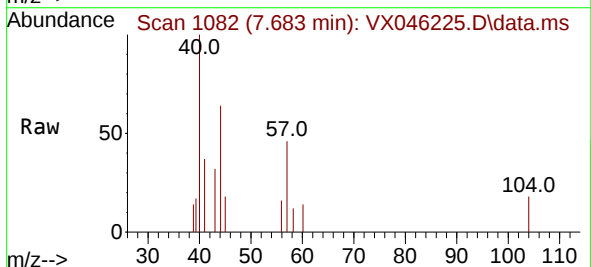


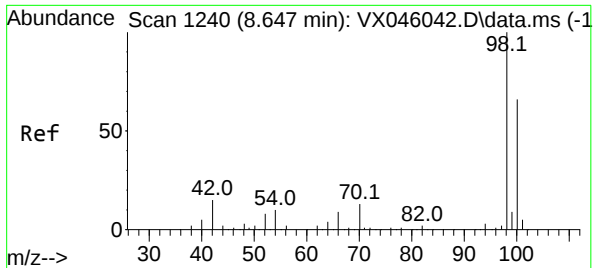
Tgt Ion:117 Resp: 7166
Ion Ratio Lower Upper
117 100
119 6.5 75.2 112.8#
121 0.0 24.2 36.4#



#48
Methyl methacrylate
Concen: 0.346 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion: 41 Resp: 390
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 65.6 51.7 77.5

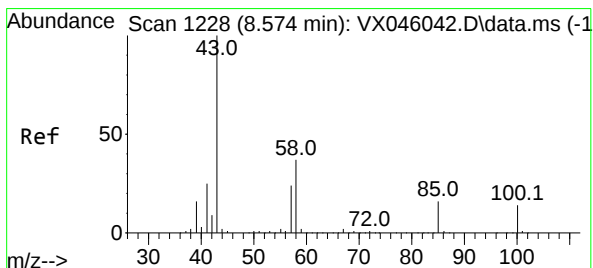
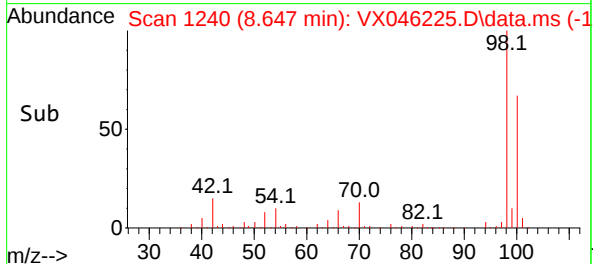
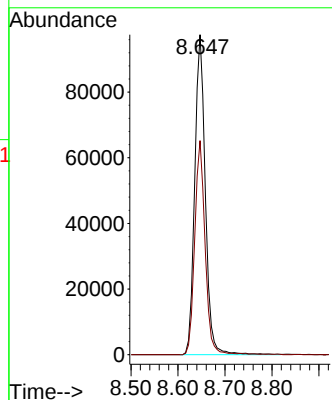
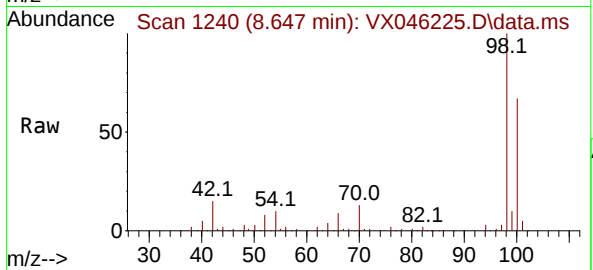




#50
Toluene-d8
Concen: 50.884 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

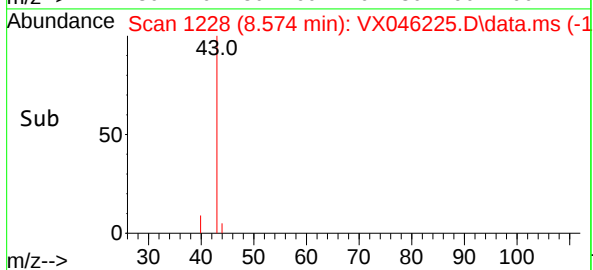
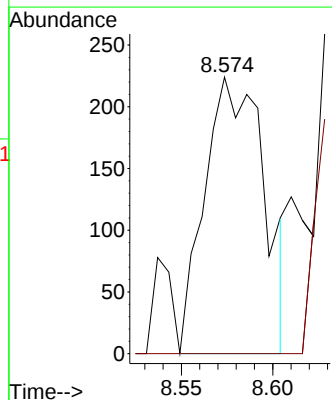
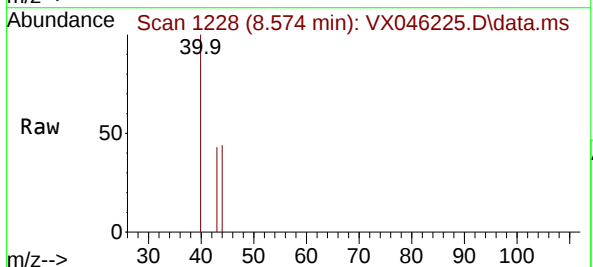
Instrument :
MSVOA_X
ClientSampleId :
3139

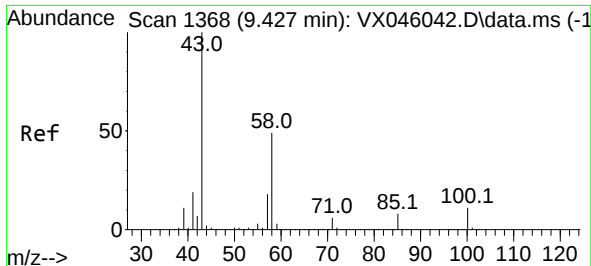
Tgt Ion: 98 Resp: 153695
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.346 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
58 0.0 28.9 43.3#

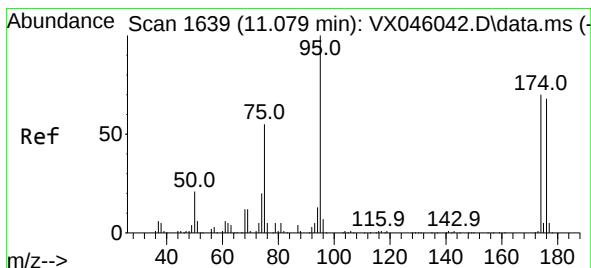
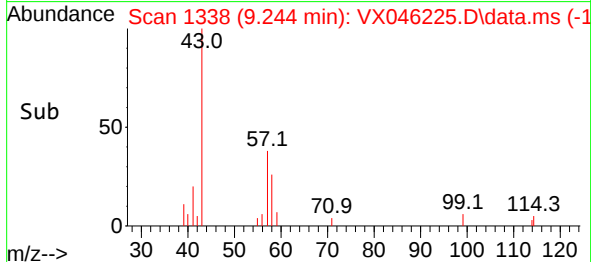
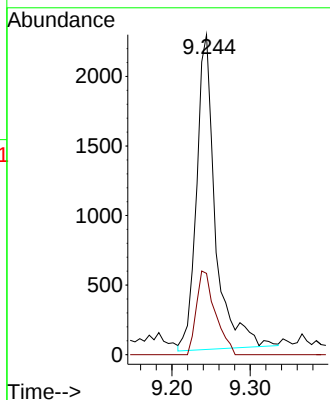
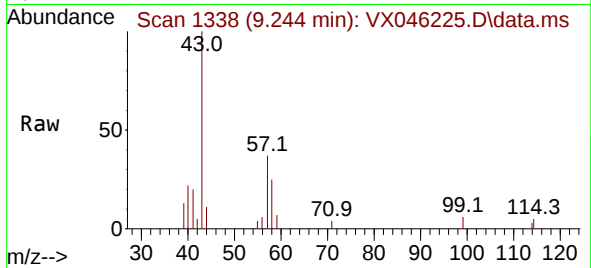




#59
2-Hexanone
Concen: 3.474 ug/l
RT: 9.244 min Scan# 11
Delta R.T. -0.183 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

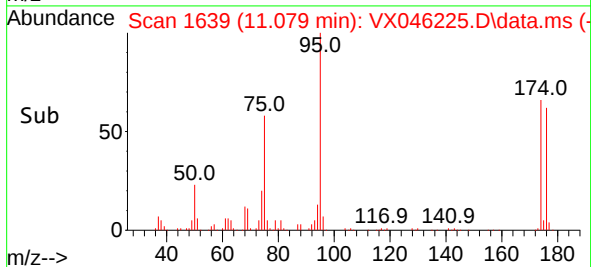
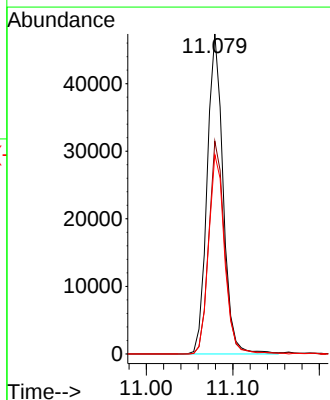
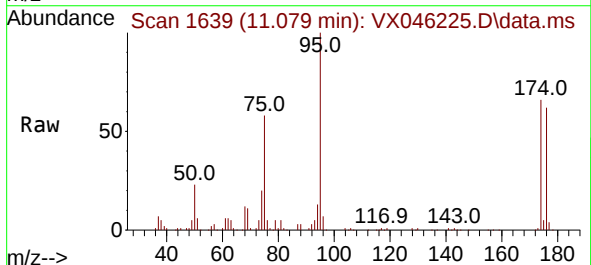
Instrument :
MSVOA_X
ClientSampleId :
3139

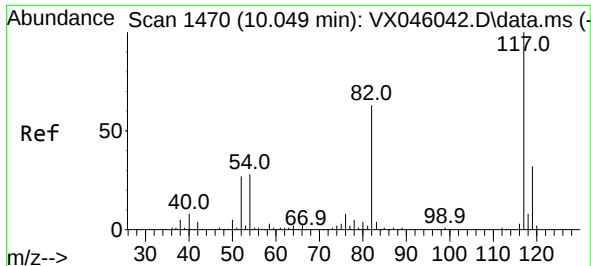
Tgt Ion: 43 Resp: 3771
Ion Ratio Lower Upper
43 100
58 26.7 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 52.260 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion: 95 Resp: 60550
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.8
176 62.6 0.0 131.4

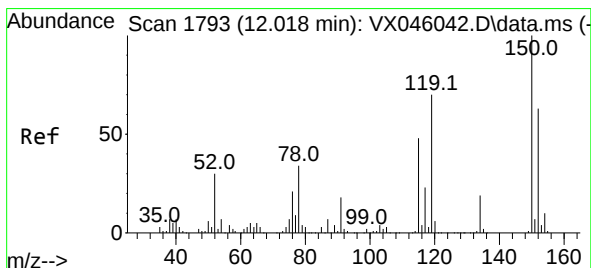
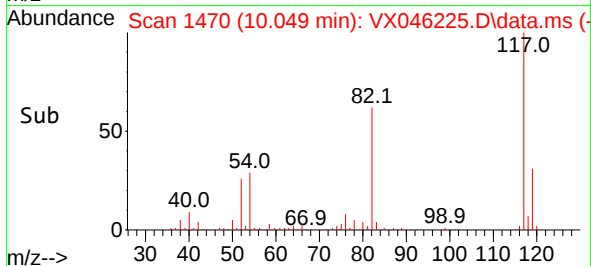
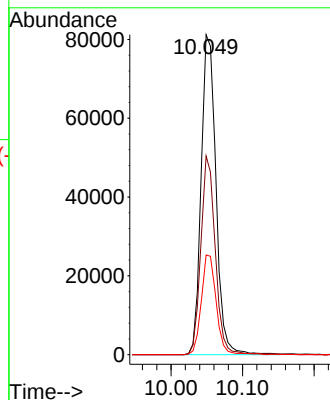
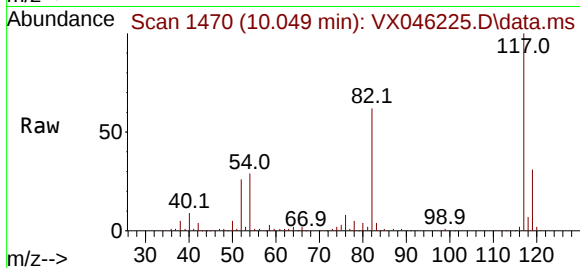




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

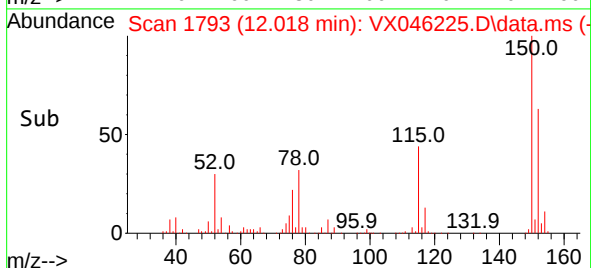
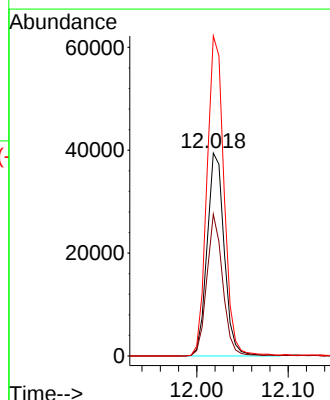
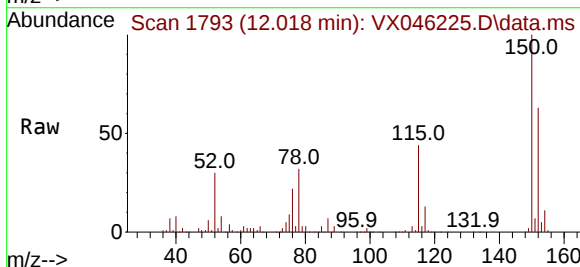
Instrument :
MSVOA_X
ClientSampleId :
3139

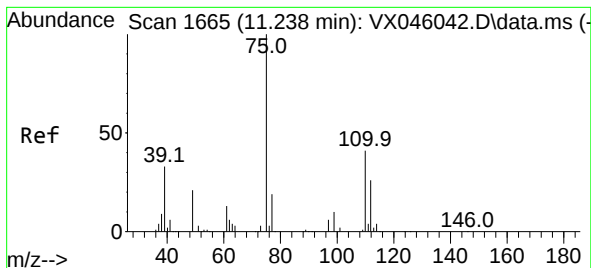
Tgt Ion:117 Resp: 116985
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046225.D
Acq: 15 May 2025 19:38

Tgt Ion:152 Resp: 51187
Ion Ratio Lower Upper
152 100
115 65.2 46.9 140.7
150 157.2 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 1.479 ug/l

RT: 11.274 min Scan# 1

Delta R.T. 0.036 min

Lab File: VX046225.D

Acq: 15 May 2025 19:38

Instrument :

MSVOA_X

ClientSampleId :

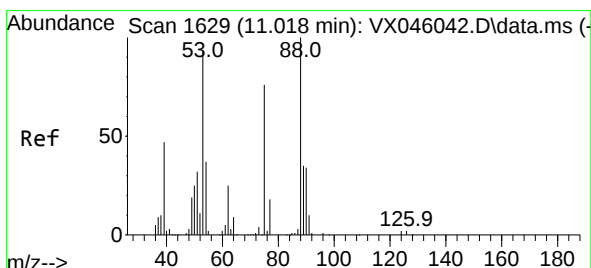
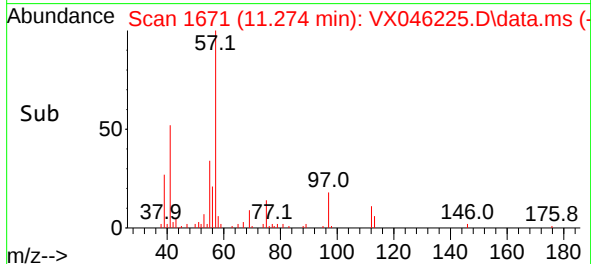
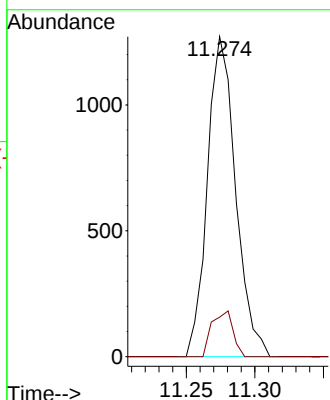
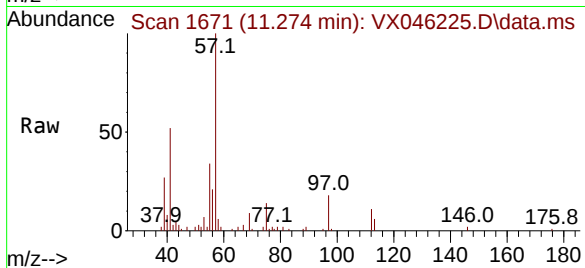
3139

Tgt Ion: 75 Resp: 1822

Ion Ratio Lower Upper

75 100

77 10.6 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.099 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046225.D

Acq: 15 May 2025 19:38

Tgt Ion: 75 Resp: 34476

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

