

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047365.D
 Acq On : 15 Aug 2025 16:15
 Operator : JC/MD
 Sample : Q2880-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:35:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

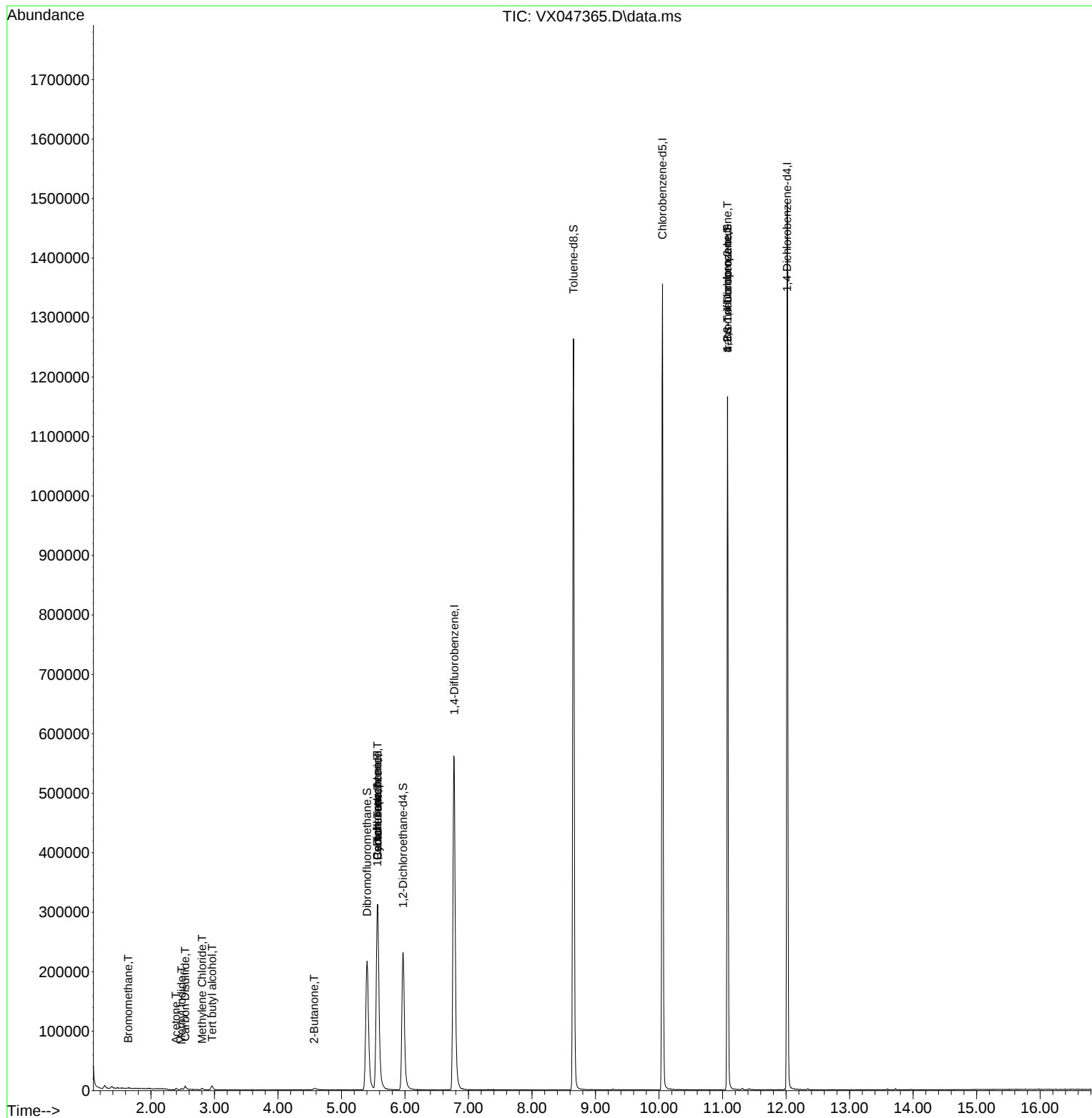
Internal Standards						
1) Pentafluorobenzene	5.568	168	316568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	608089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	246731	55.690	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.380%
35) Dibromofluoromethane	5.403	113	206299	52.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.540%
50) Toluene-d8	8.653	98	747535	52.994	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.980%
62) 4-Bromofluorobenzene	11.079	95	303366	58.279	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.560%
Target Compounds						
						Qvalue
5) Bromomethane	1.642	94	474	0.258	ug/l	88
10) Methyl Iodide	2.483	142	2514	0.375	ug/l #	80
11) Tert butyl alcohol	2.965	59	3168	8.219	ug/l #	72
16) Acetone	2.392	43	3177	1.908	ug/l #	84
17) Carbon Disulfide	2.538	76	3278	0.273	ug/l	96
20) Methylene Chloride	2.806	84	1349	0.306	ug/l	91
25) 2-Butanone	4.568	43	449	0.206	ug/l #	50
31) Cyclohexane	5.568	56	6165	0.865	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	25323	4.065	ug/l #	50
38) Carbon Tetrachloride	5.568	117	32278	4.741	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	158098	29.053	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	158098	114.289	ug/l #	7

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

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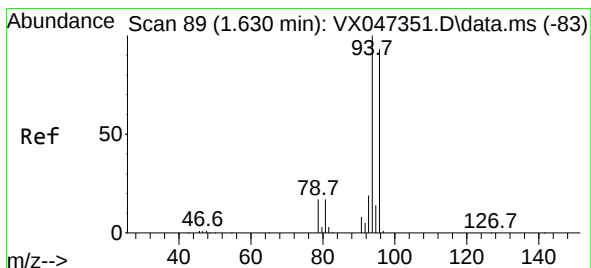
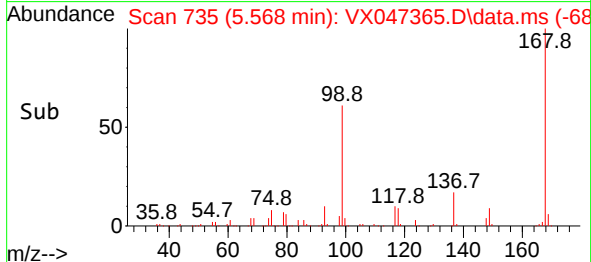
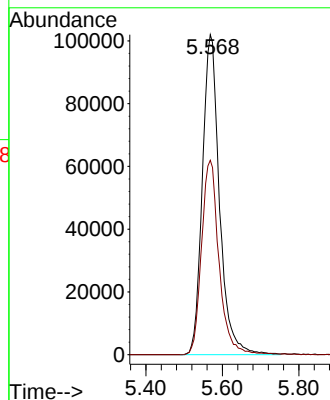
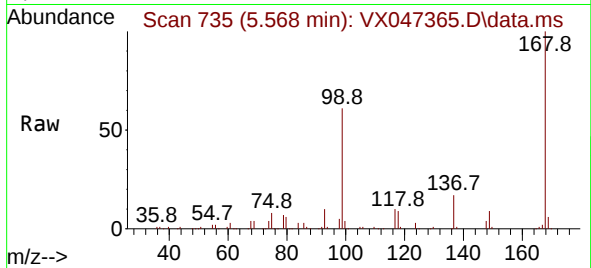




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

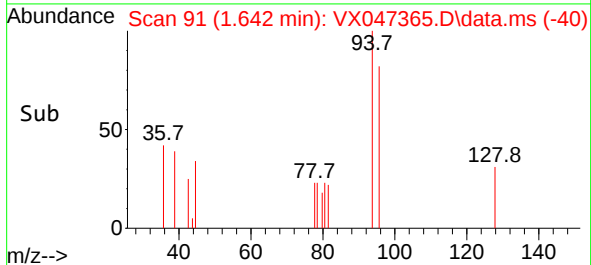
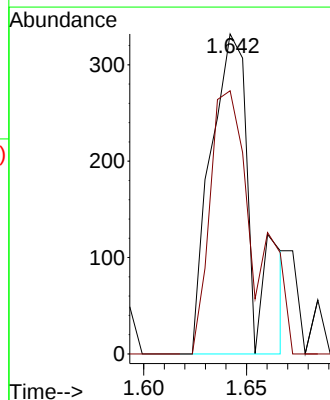
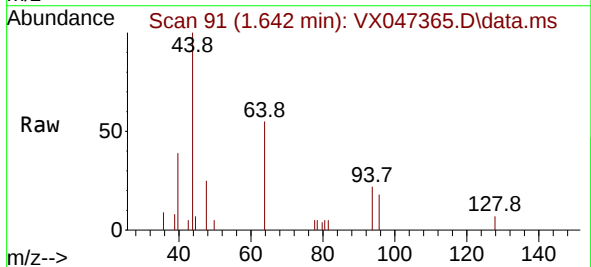
Instrument : MSVOA_X
ClientSampleId :

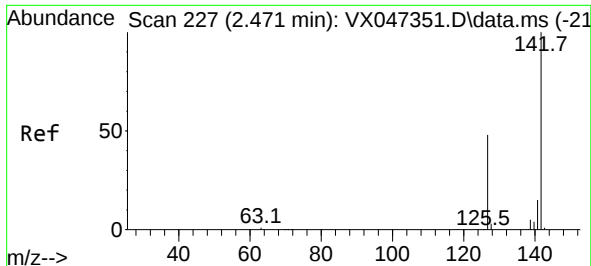
Tgt Ion:168 Resp: 316568
Ion Ratio Lower Upper
168 100
99 60.8 47.9 71.9



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

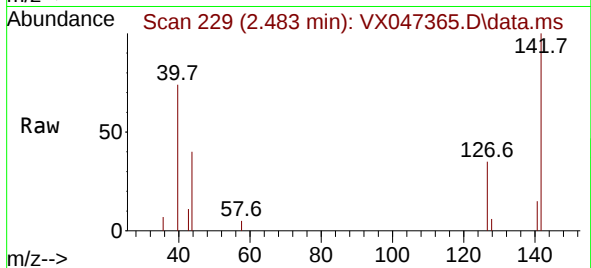
Tgt Ion: 94 Resp: 474
Ion Ratio Lower Upper
94 100
96 82.2 74.7 112.1



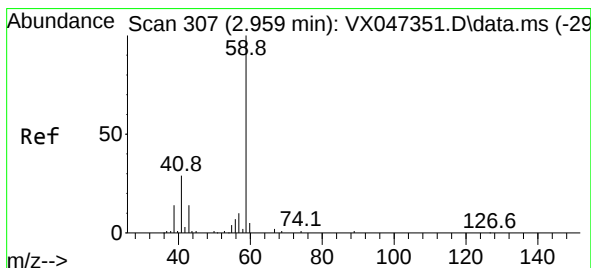
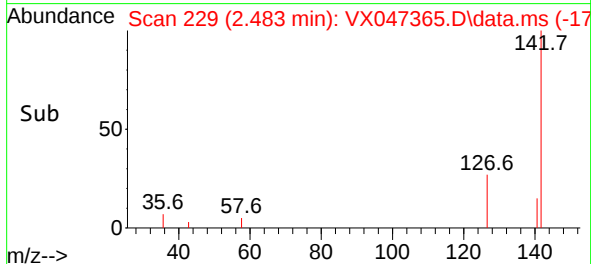
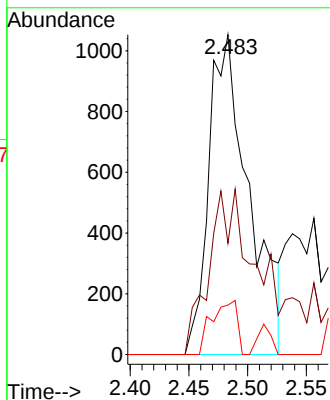


#10
Methyl Iodide
Concen: 0.375 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

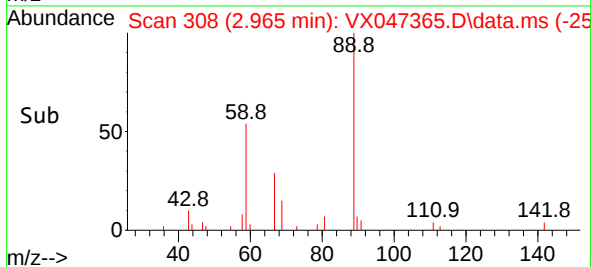
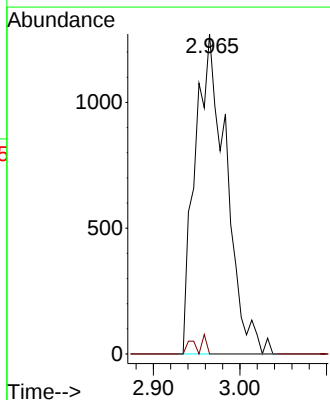
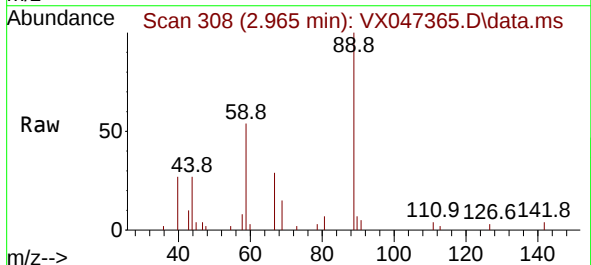


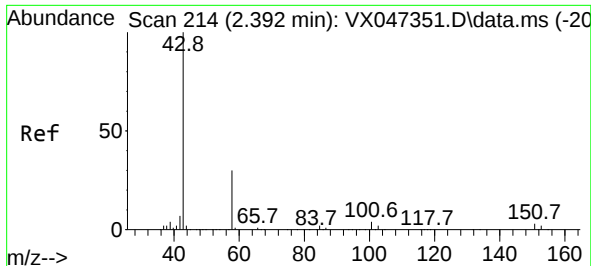
Tgt Ion:142 Resp: 2514
Ion Ratio Lower Upper
142 100
127 60.5 36.1 54.1#
141 10.6 11.1 16.7#



#11
Tert butyl alcohol
Concen: 8.219 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Tgt Ion: 59 Resp: 3168
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

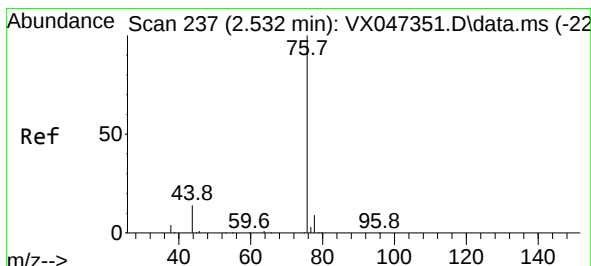
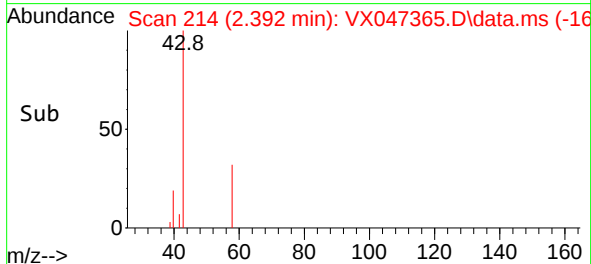
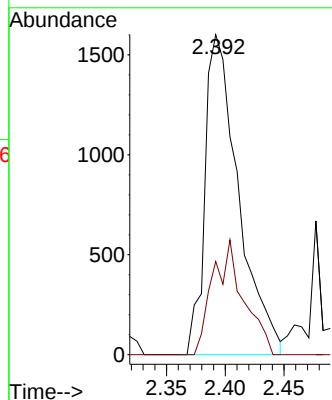
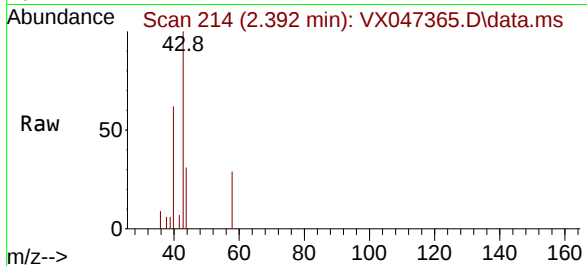




#16
Acetone
Concen: 1.908 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

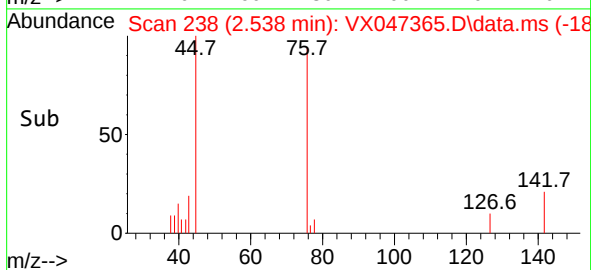
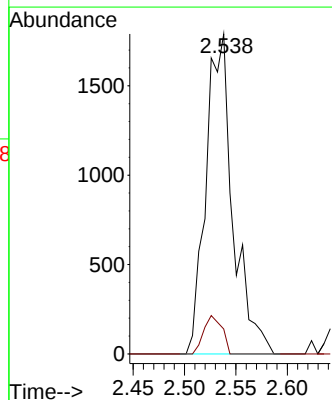
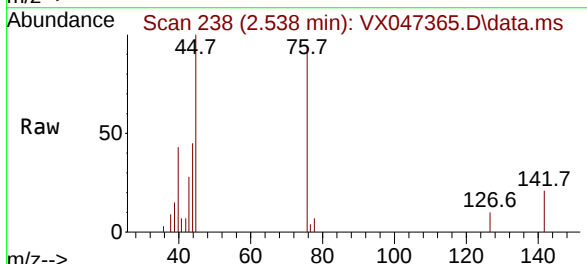
Instrument :
MSVOA_X
ClientSampleId :

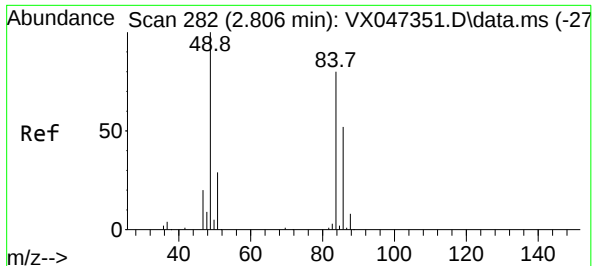
Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 22.3 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

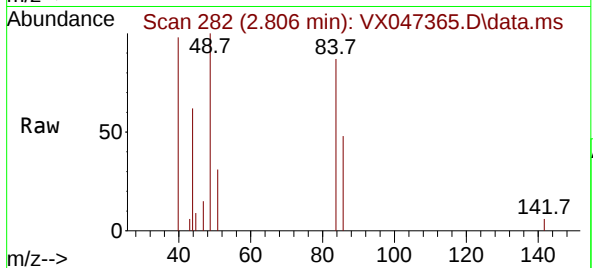
Tgt Ion: 76 Resp: 3278
Ion Ratio Lower Upper
76 100
78 7.5 7.2 10.8



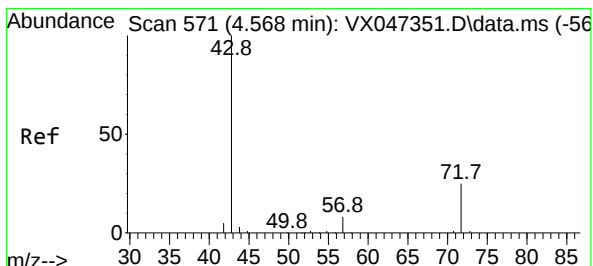
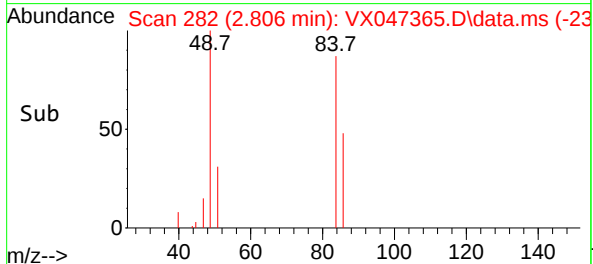
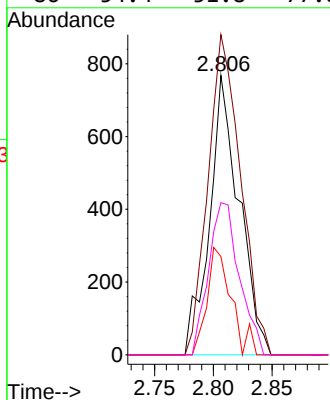


#20
Methylene Chloride
Concen: 0.306 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

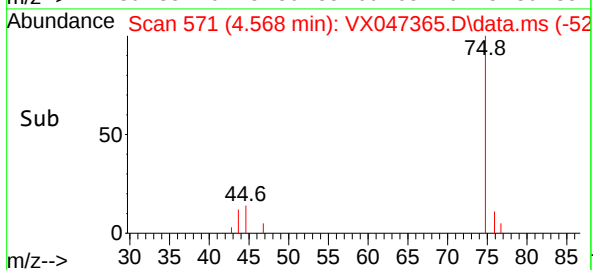
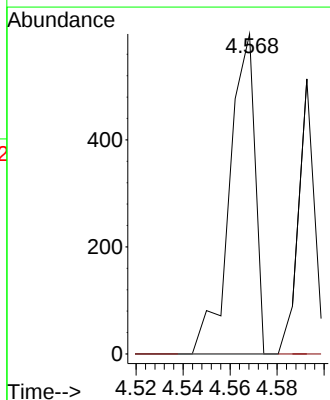
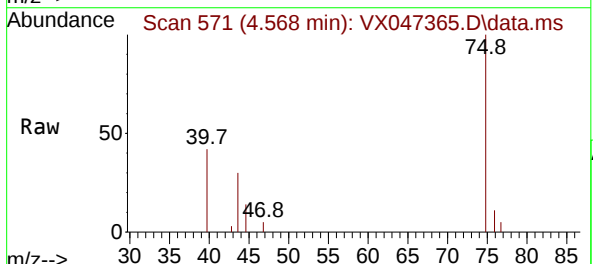


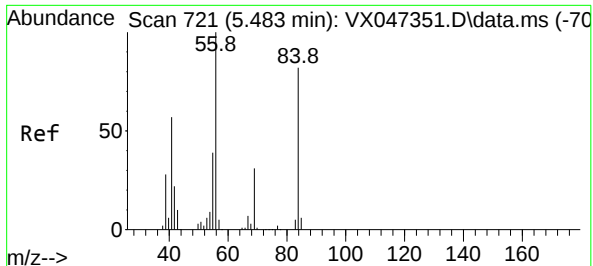
Tgt Ion:	84	Resp:	1349
Ion	Ratio	Lower	Upper
84	100		
49	114.6	100.1	150.1
51	35.2	29.5	44.3
86	54.4	51.8	77.8



#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

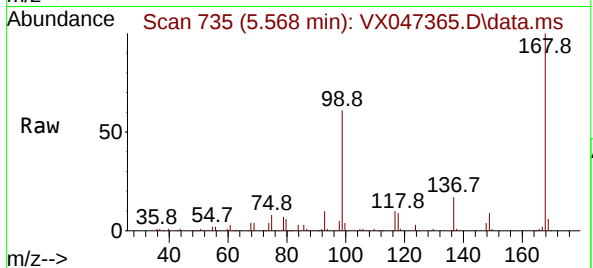
Tgt Ion:	43	Resp:	449
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.8#



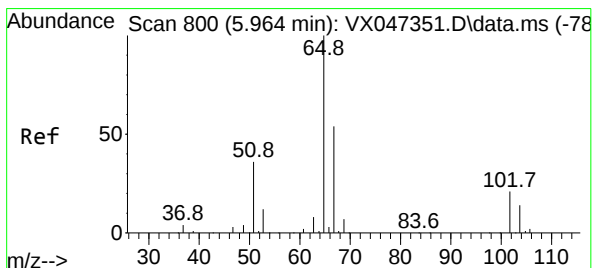
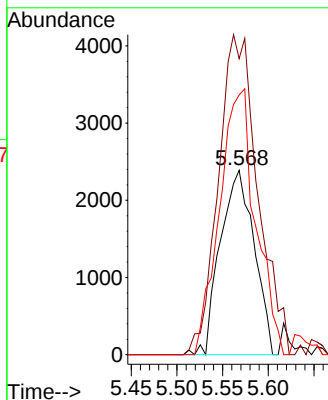
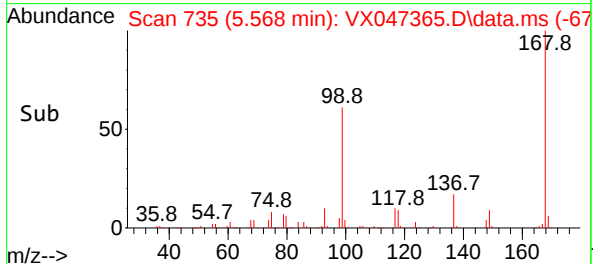


#31
Cyclohexane
Concen: 0.865 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

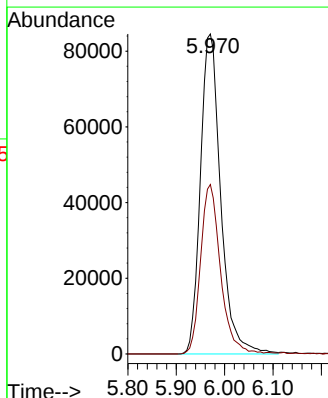
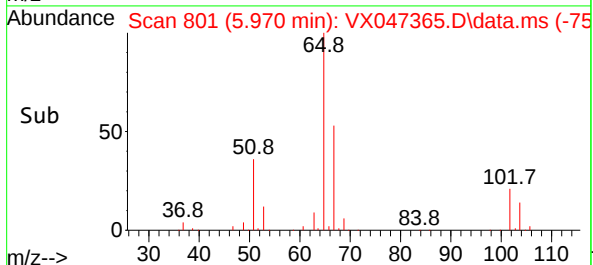
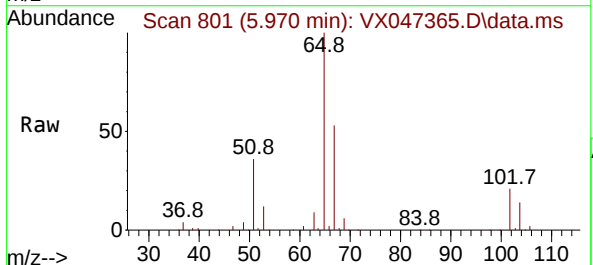


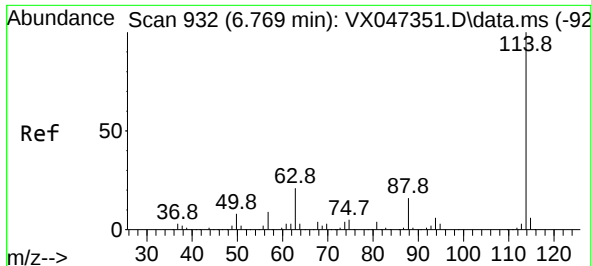
Tgt Ion: 56 Resp: 6165
Ion Ratio Lower Upper
56 100
69 152.6 24.3 36.5#
84 133.9 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 55.690 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

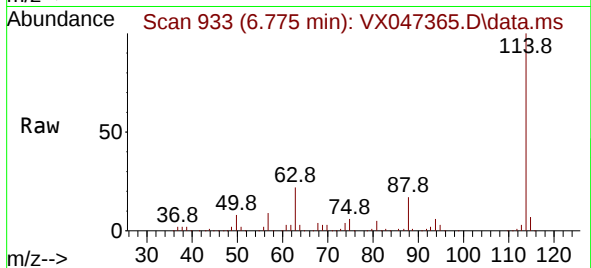
Tgt Ion: 65 Resp: 246731
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.0



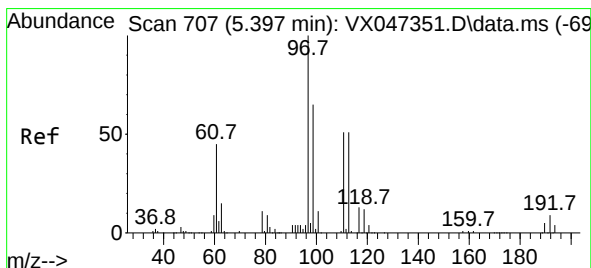
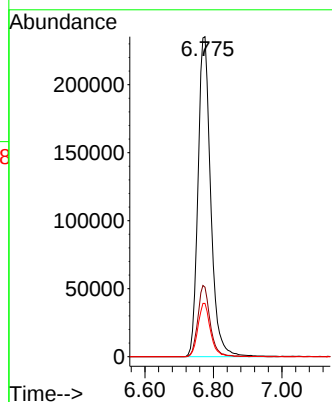
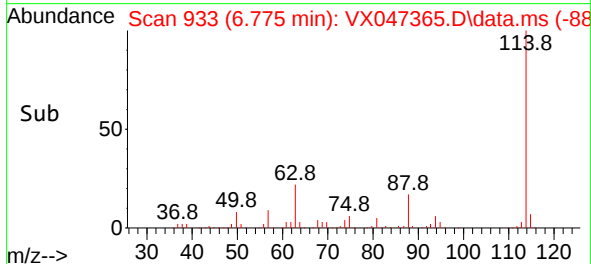


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

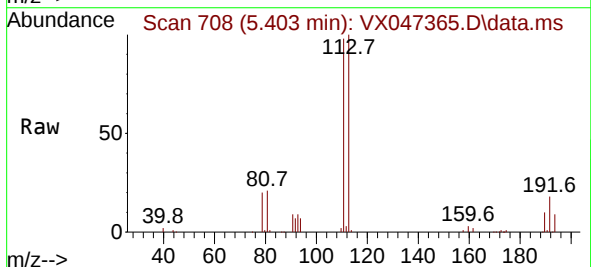
Instrument :
MSVOA_X
ClientSampleId :



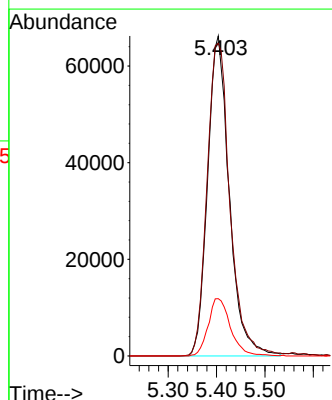
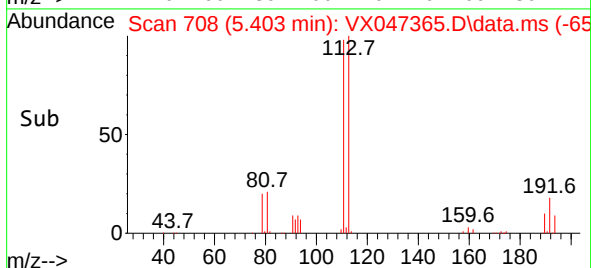
Tgt Ion:114 Resp: 608089
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.4
88 16.7 0.0 33.0

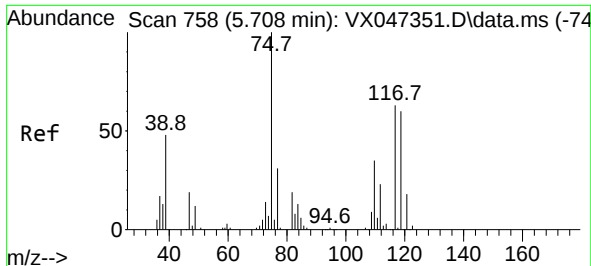


#35
Dibromofluoromethane
Concen: 52.273 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15



Tgt Ion:113 Resp: 206299
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 18.5 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.065 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

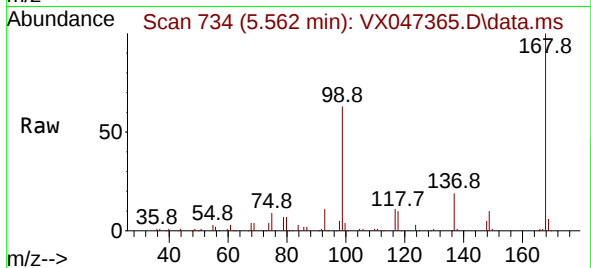
Lab File: VX047365.D

Acq: 15 Aug 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :



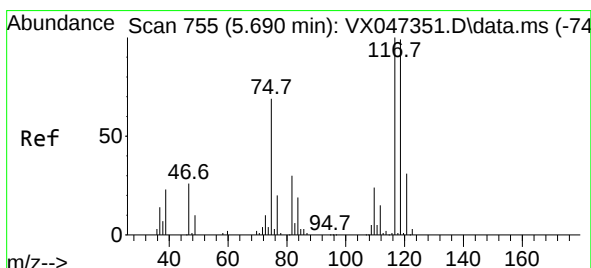
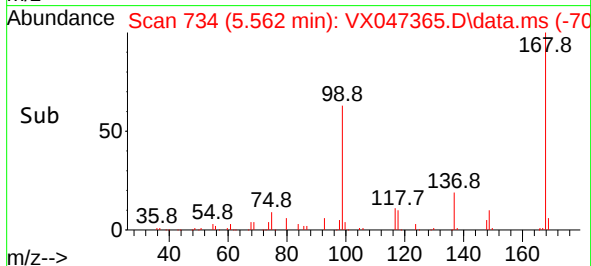
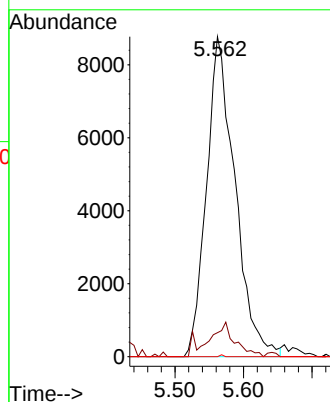
Tgt Ion: 75 Resp: 25323

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.741 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047365.D

Acq: 15 Aug 2025 16:15

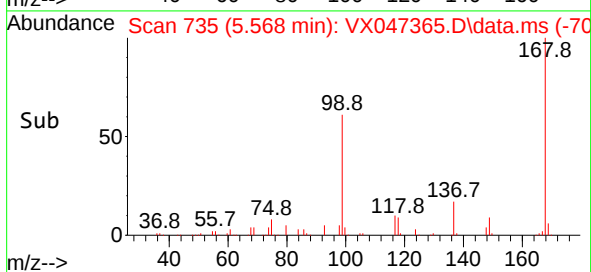
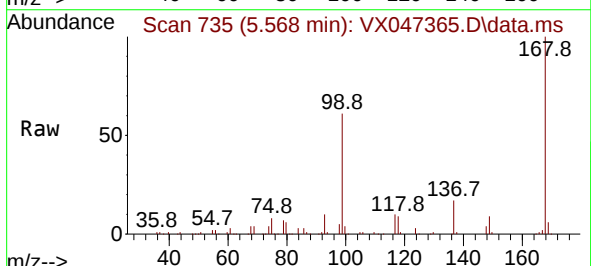
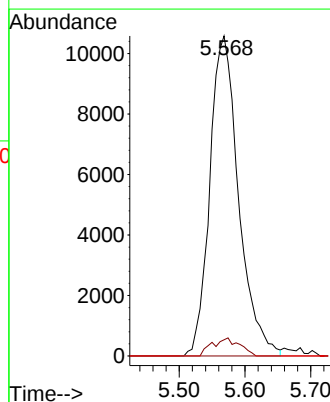
Tgt Ion: 117 Resp: 32278

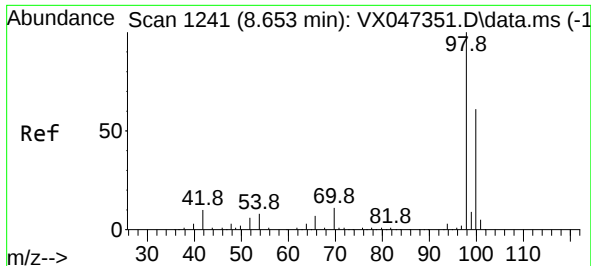
Ion Ratio Lower Upper

117 100

119 5.1 78.5 117.7#

121 0.0 24.7 37.1#

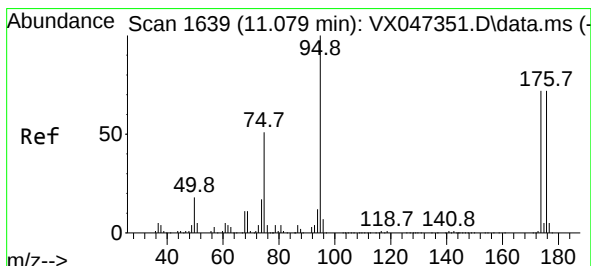
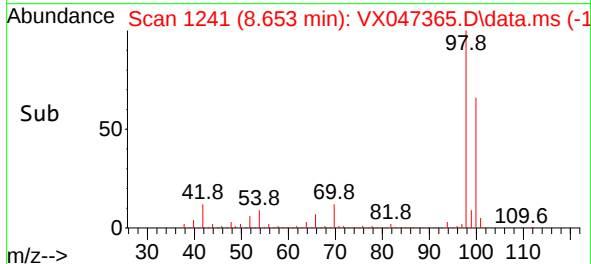
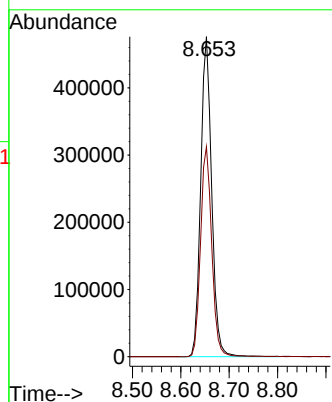
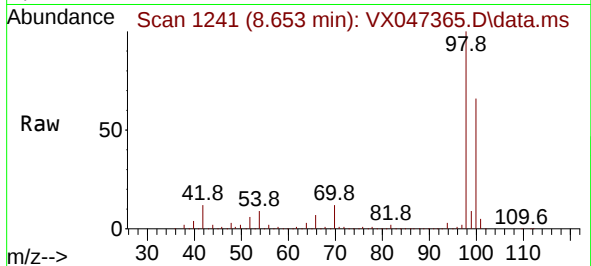




#50
Toluene-d8
Concen: 52.994 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

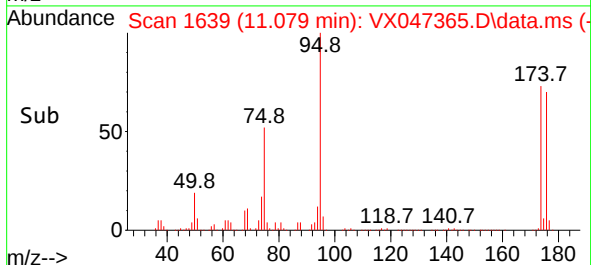
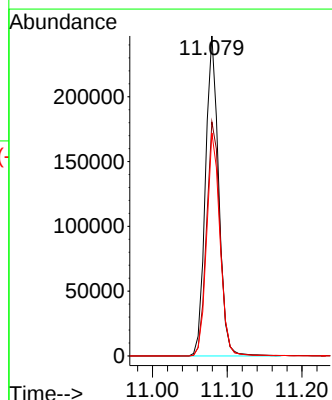
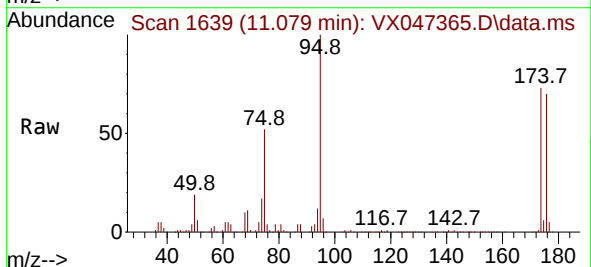
Instrument :
MSVOA_X
ClientSampleId :

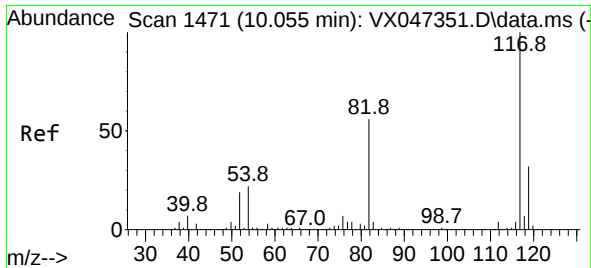
Tgt Ion: 98 Resp: 747535
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 58.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Tgt Ion: 95 Resp: 303366
Ion Ratio Lower Upper
95 100
174 75.2 0.0 148.0
176 70.1 0.0 145.4

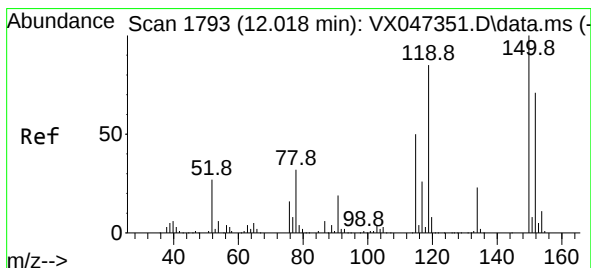
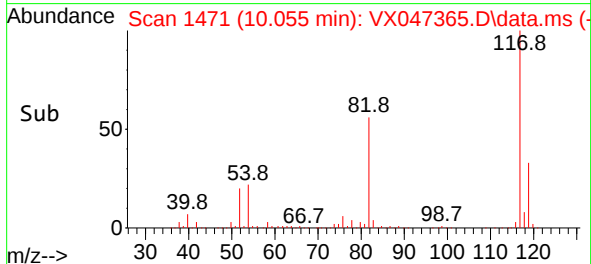
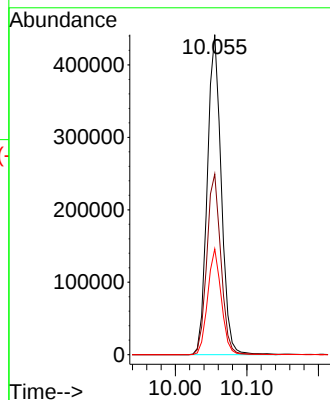
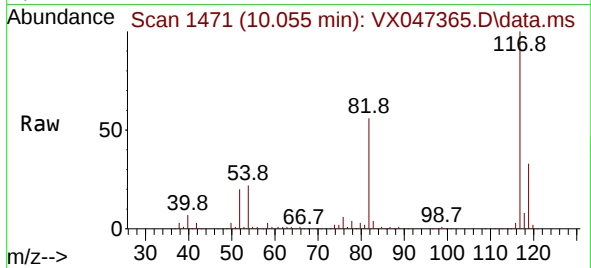




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

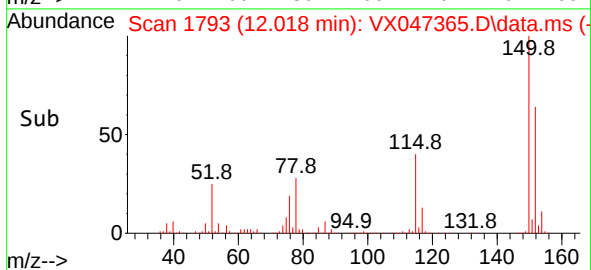
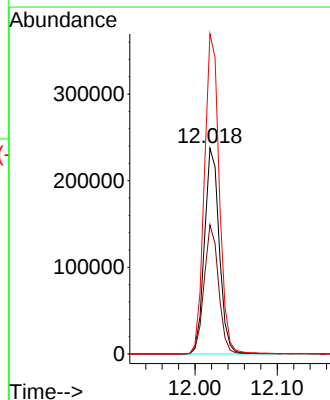
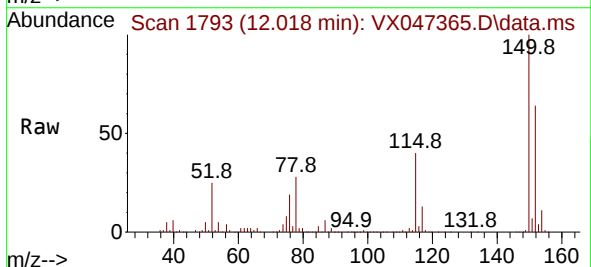
Instrument :
MSVOA_X
ClientSampleId :

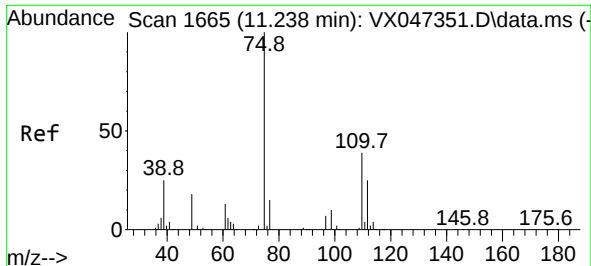
Tgt Ion:117 Resp: 598972
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Tgt Ion:152 Resp: 296693
Ion Ratio Lower Upper
152 100
115 61.7 44.6 133.8
150 156.8 0.0 349.8

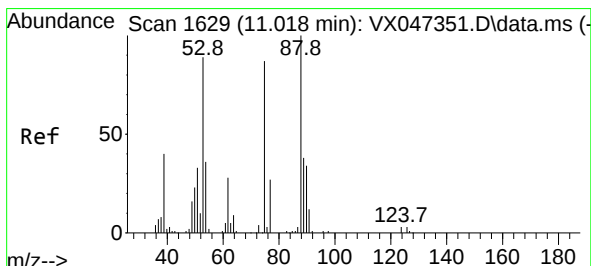
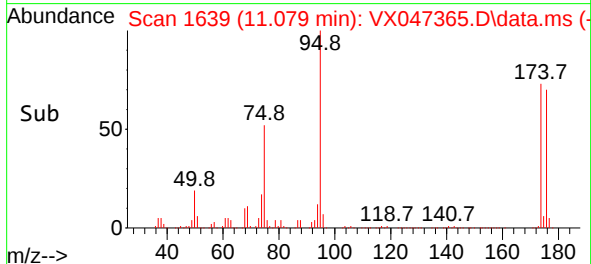
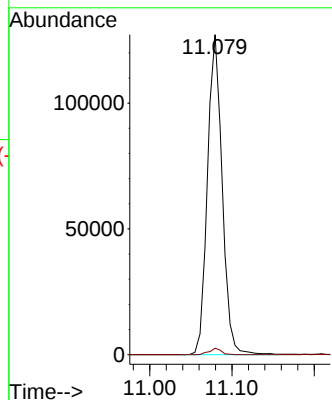
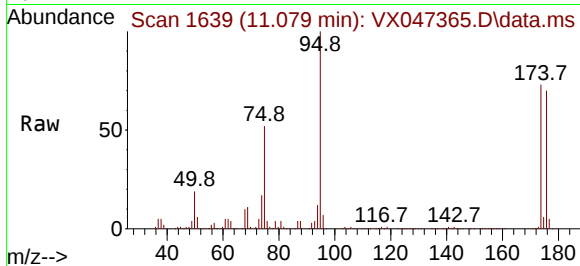




#76
1,2,3-Trichloropropane
Concen: 29.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 158098
Ion Ratio Lower Upper
75 100
77 1.6 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047365.D
Acq: 15 Aug 2025 16:15

Tgt Ion: 75 Resp: 158098
Ion Ratio Lower Upper
75 100
53 0.1 85.2 127.8#
89 0.0 36.7 55.1#

