

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080425\
 Data File : VX047225.D
 Acq On : 04 Aug 2025 13:41
 Operator : JC/MD
 Sample : Q2753-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 289

Quant Time: Aug 05 02:58:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

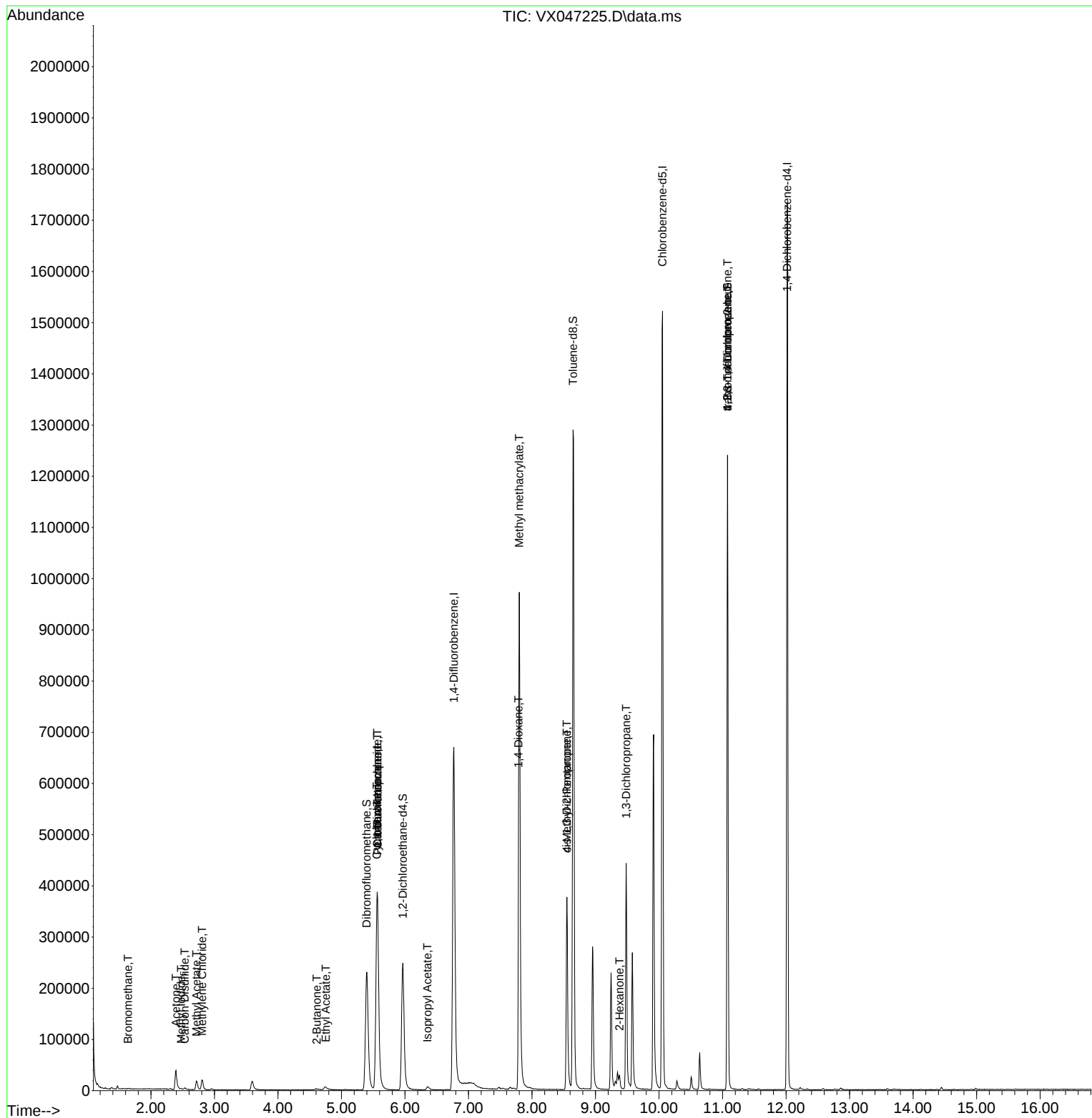
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	379912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	722601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	684935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	342521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	258949	54.717	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.440%
35) Dibromofluoromethane	5.397	113	216905	48.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.240%
50) Toluene-d8	8.647	98	791546	54.783	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.560%
62) 4-Bromofluorobenzene	11.079	95	326596	52.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.900%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	692	0.237	ug/l	92
10) Methyl Iodide	2.477	142	2674	0.544	ug/l #	93
11) Tert butyl alcohol	2.959	59	333	Below Cal	#	72
16) Acetone	2.392	43	52796	27.848	ug/l	99
17) Carbon Disulfide	2.532	76	3525	0.255	ug/l #	90
18) Methyl Acetate	2.715	43	25798	5.120	ug/l	95
20) Methylene Chloride	2.806	84	9959	1.909	ug/l	95
25) 2-Butanone	4.611	43	3855	1.396	ug/l	98
31) Cyclohexane	5.556	56	8601	0.972	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	31809	4.183	ug/l #	51
37) Ethyl Acetate	4.751	43	10920	1.558	ug/l	99
38) Carbon Tetrachloride	5.562	117	40060	4.935	ug/l #	16
43) Isopropyl Acetate	6.354	43	10782	0.987	ug/l #	90
48) Methyl methacrylate	7.799	41	90758	15.249	ug/l #	46
49) 1,4-Dioxane	7.787	88	49	0.724	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	137153	21.121	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	62402	7.338	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	3734	0.423	ug/l #	43
59) 2-Hexanone	9.378	43	17469	4.072	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	170836	26.946	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	170836	69.424	ug/l #	8

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

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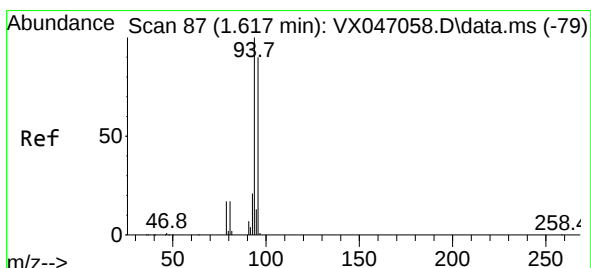
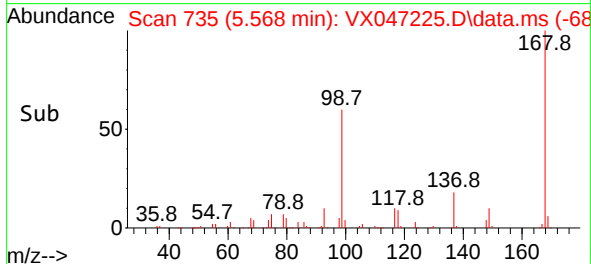
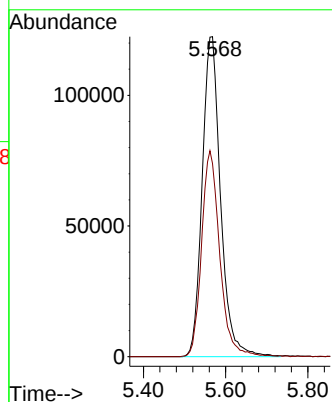
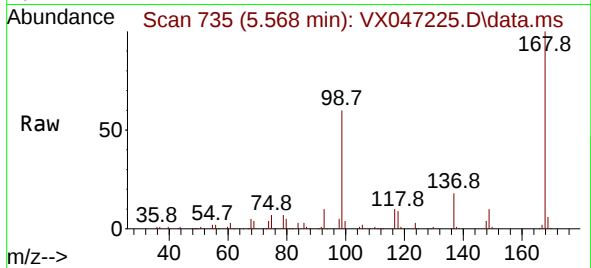




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

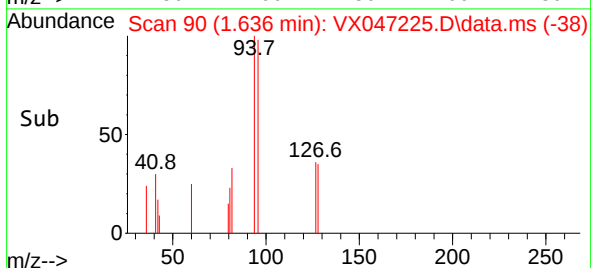
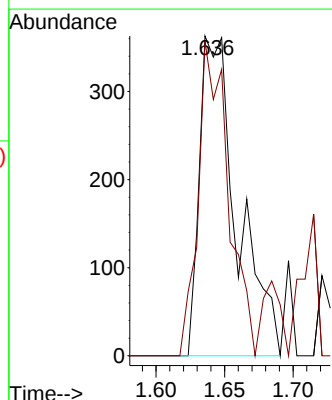
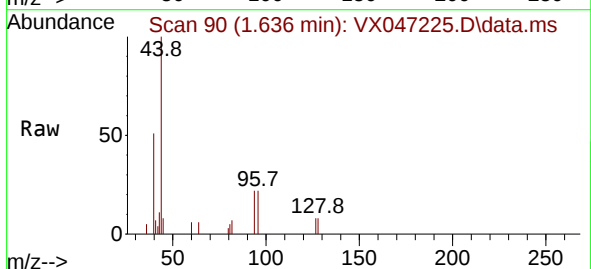
Instrument :
MSVOA_X
ClientSampleId :
289

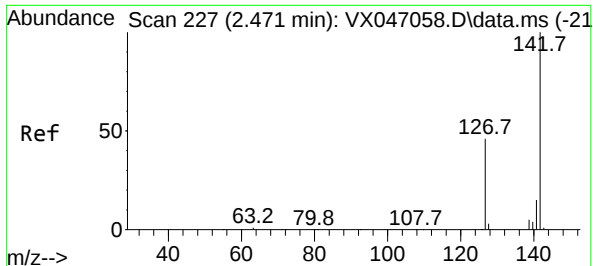
Tgt Ion:168 Resp: 379912
Ion Ratio Lower Upper
168 100
99 60.3 48.0 72.0



#5
Bromomethane
Concen: 0.237 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 94 Resp: 692
Ion Ratio Lower Upper
94 100
96 98.3 72.3 108.5

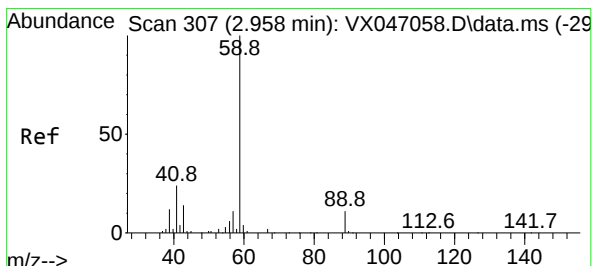
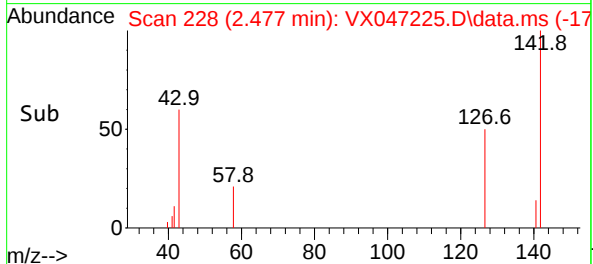
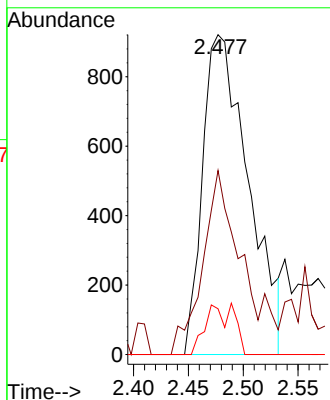
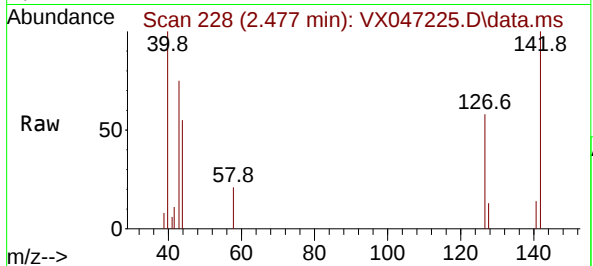




#10
Methyl Iodide
Concen: 0.544 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

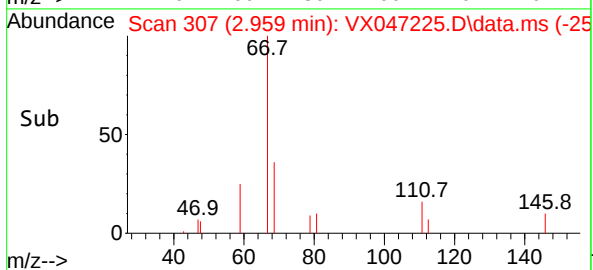
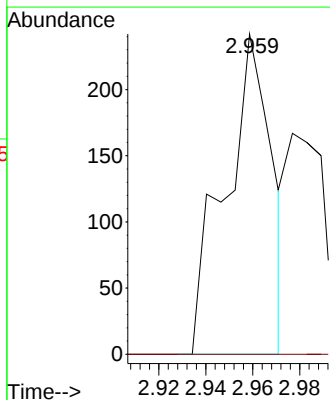
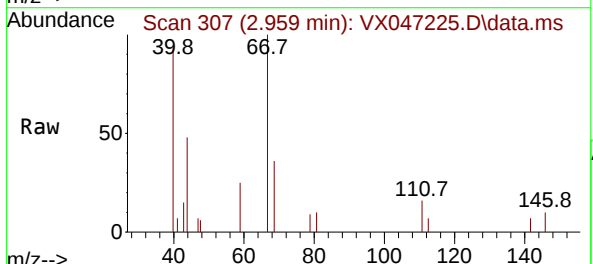
Instrument :
MSVOA_X
ClientSampleId :
289

Tgt Ion:142 Resp: 2674
Ion Ratio Lower Upper
142 100
127 50.0 36.6 54.8
141 9.7 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

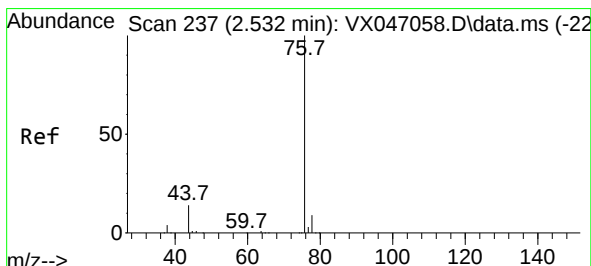
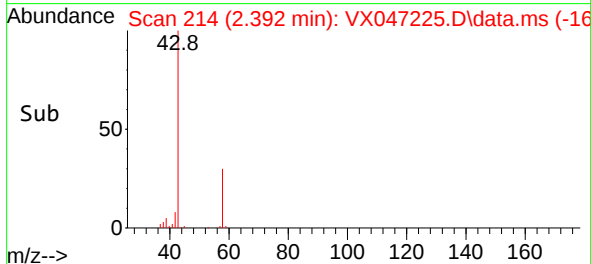
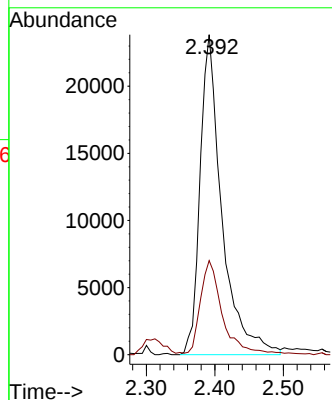
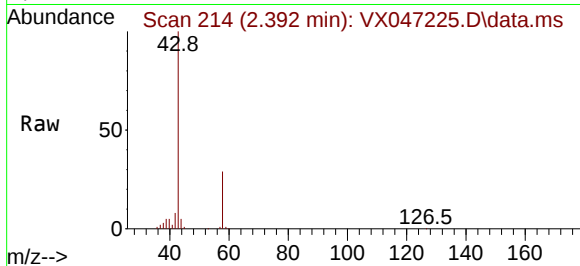




#16
Acetone
Concen: 27.848 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

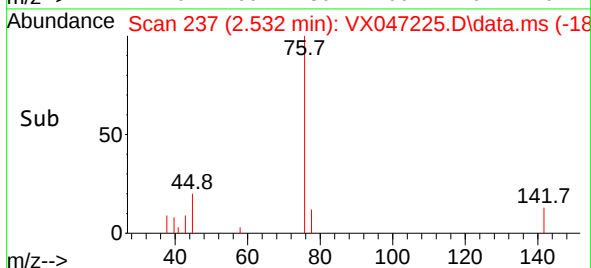
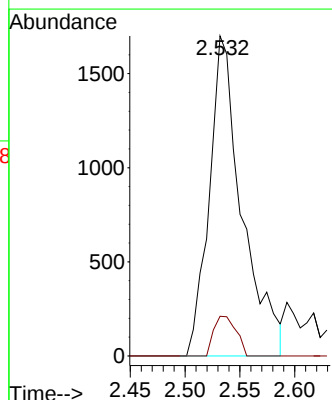
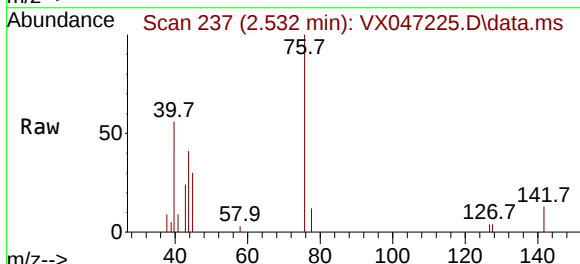
Instrument :
MSVOA_X
ClientSampleId :
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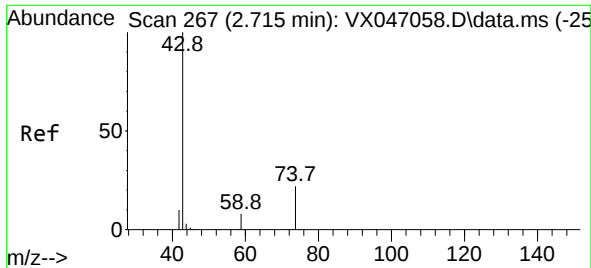
Tgt Ion: 43 Resp: 52796
Ion Ratio Lower Upper
43 100
58 29.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 76 Resp: 3525
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.4#

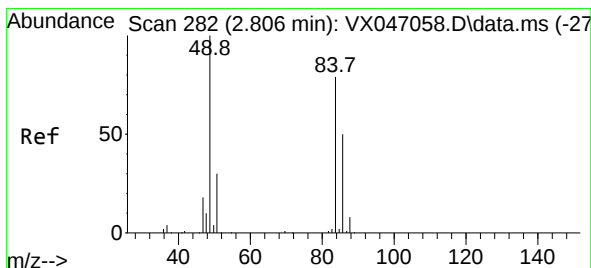
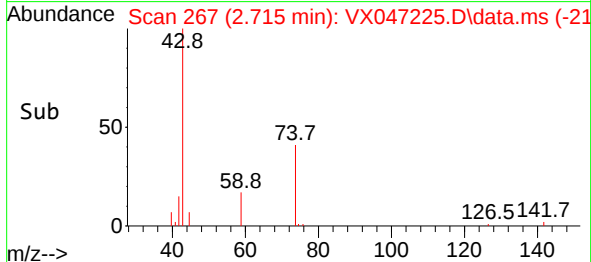
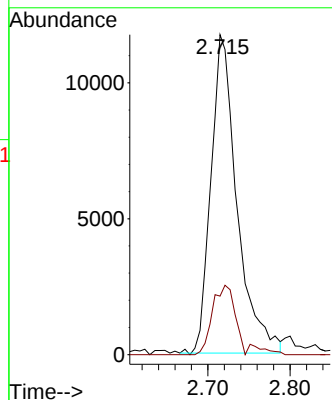
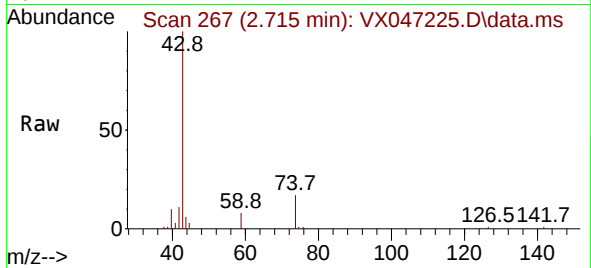




#18
Methyl Acetate
Concen: 5.120 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

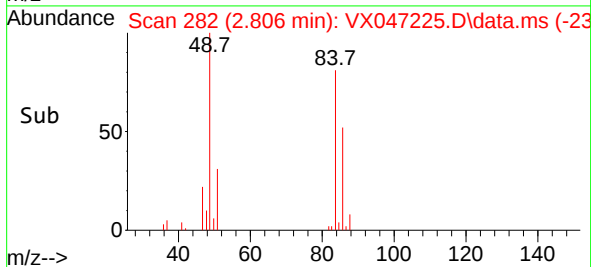
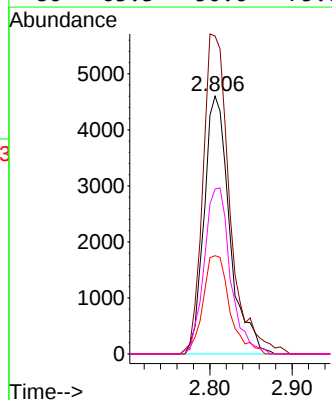
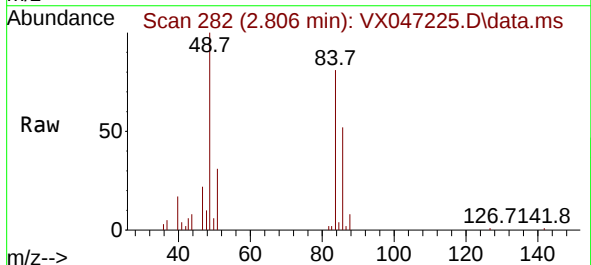
Instrument :
MSVOA_X
ClientSampleId :
289

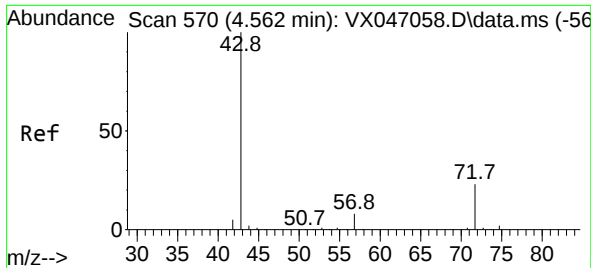
Tgt Ion: 43 Resp: 25798
Ion Ratio Lower Upper
43 100
74 19.7 17.7 26.5



#20
Methylene Chloride
Concen: 1.909 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 84 Resp: 9959
Ion Ratio Lower Upper
84 100
49 117.7 101.6 152.4
51 36.4 30.3 45.5
86 63.3 50.6 75.8

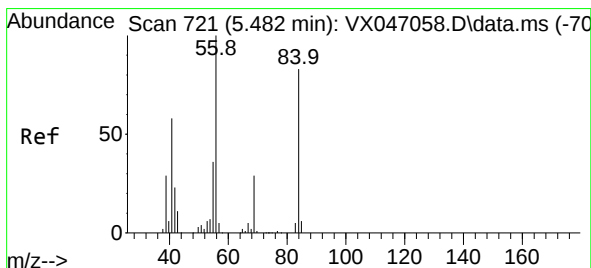
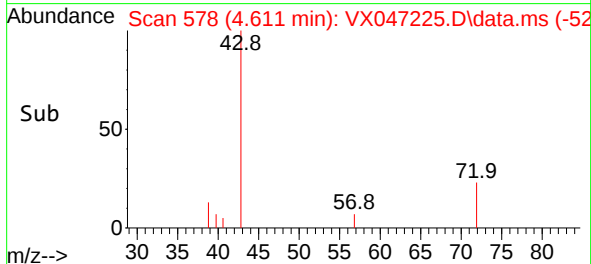
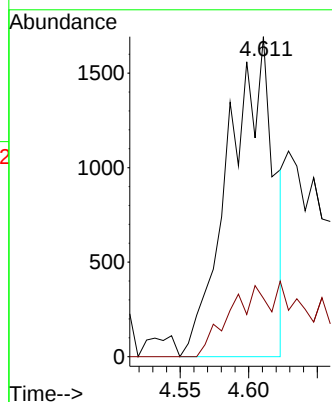
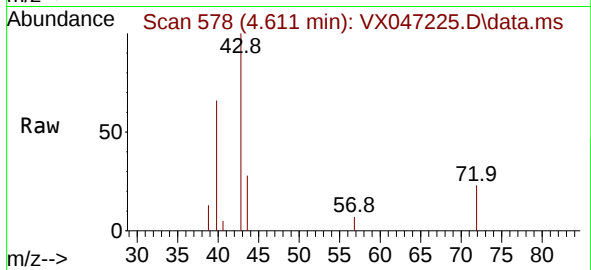




#25
2-Butanone
Concen: 1.396 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

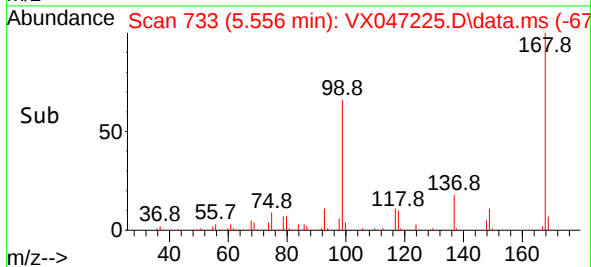
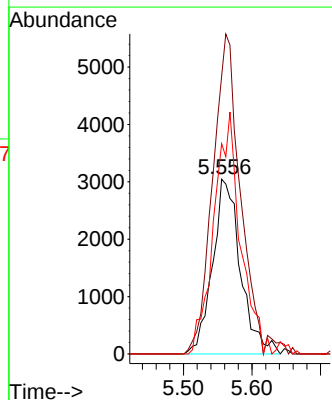
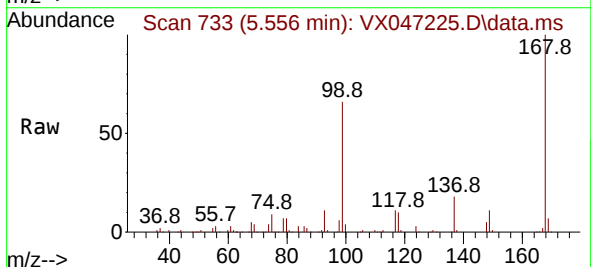
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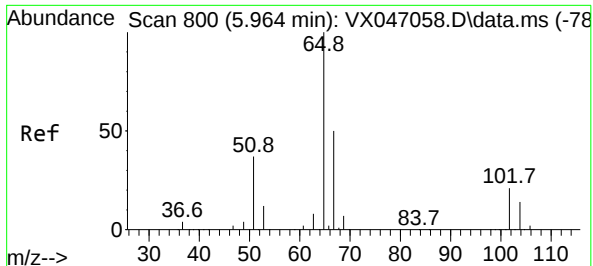
Tgt Ion: 43 Resp: 3855
Ion Ratio Lower Upper
43 100
72 24.6 18.8 28.2



#31
Cyclohexane
Concen: 0.972 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 56 Resp: 8601
Ion Ratio Lower Upper
56 100
69 163.5 23.3 34.9#
84 120.3 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 54.717 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047225.D

Acq: 04 Aug 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

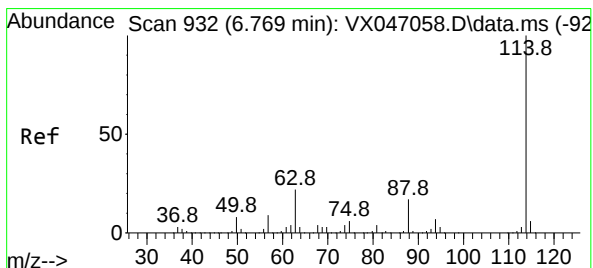
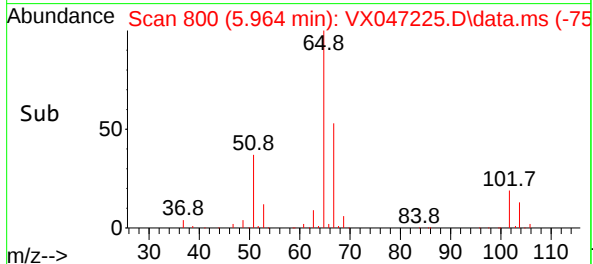
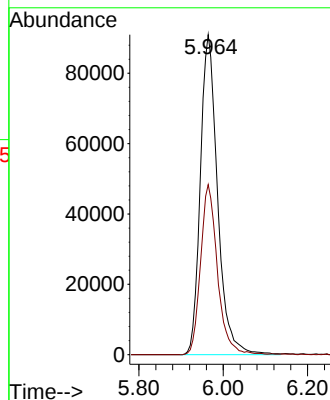
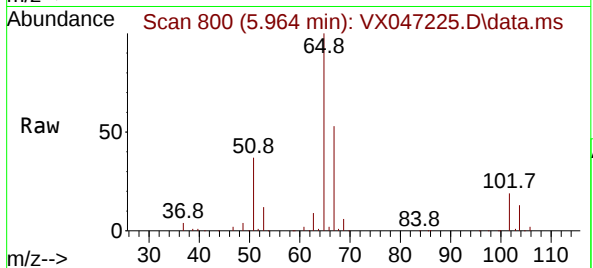
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Tgt Ion: 65 Resp: 258949

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047225.D

Acq: 04 Aug 2025 13:41

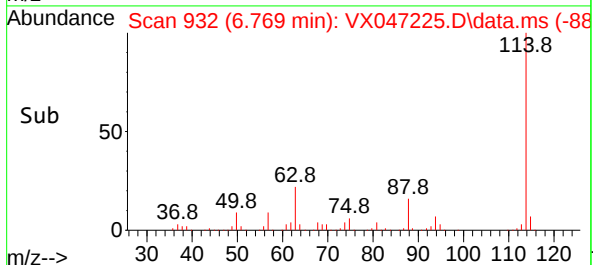
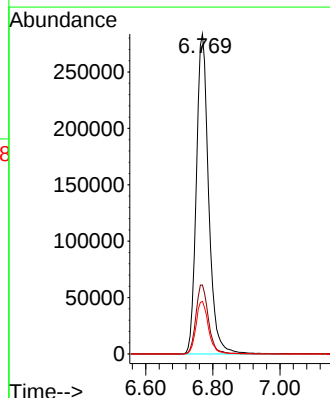
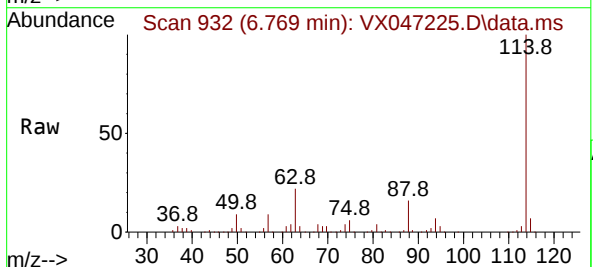
Tgt Ion: 114 Resp: 722601

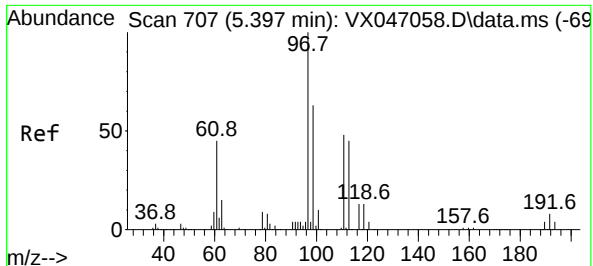
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 16.4 0.0 33.8

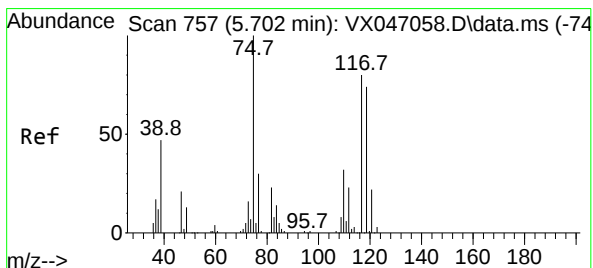
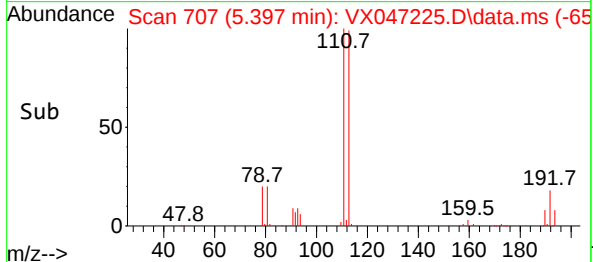
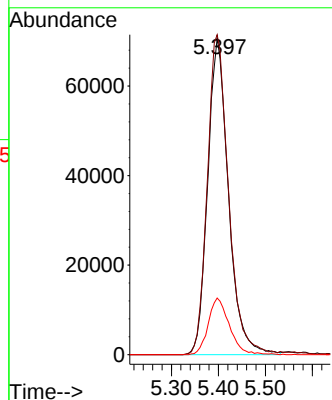
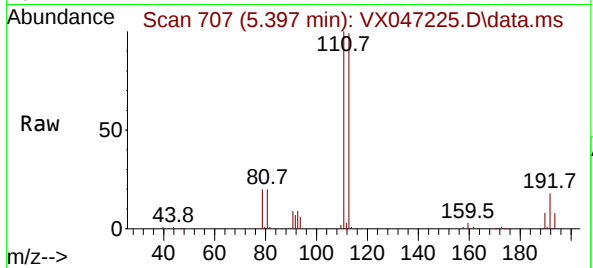




#35
Dibromofluoromethane
Concen: 48.616 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

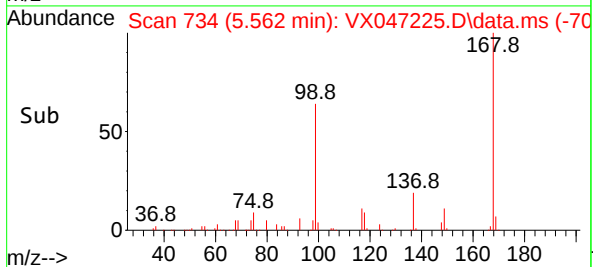
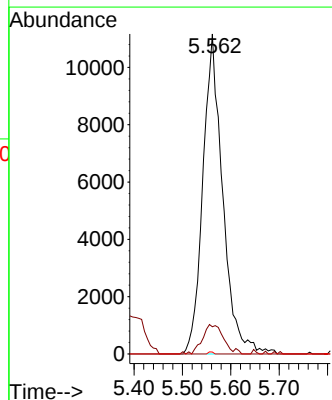
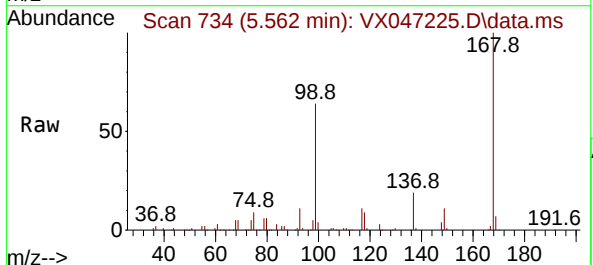
Instrument :
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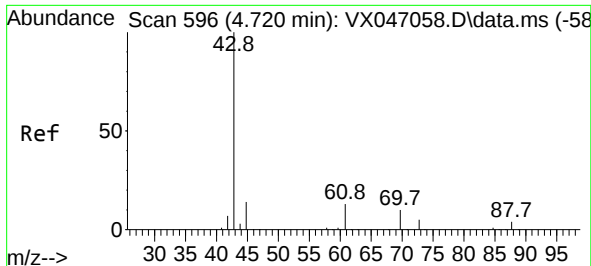
Tgt Ion:113 Resp: 216905
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 18.2 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.183 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 75 Resp: 31809
Ion Ratio Lower Upper
75 100
110 9.7 17.2 51.5#
77 0.2 25.1 37.7#

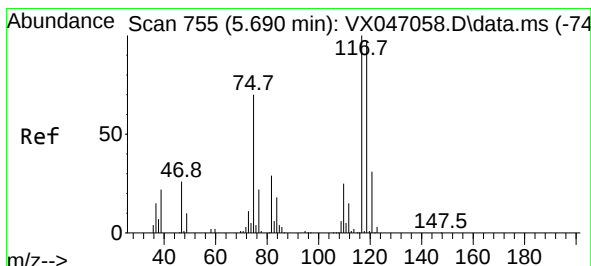
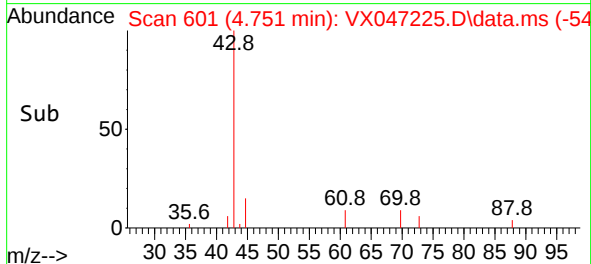
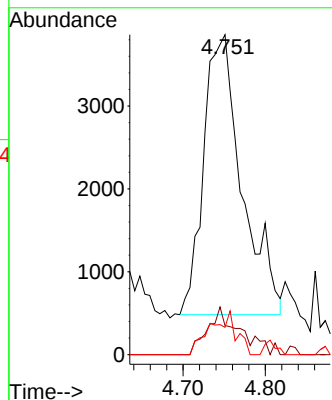
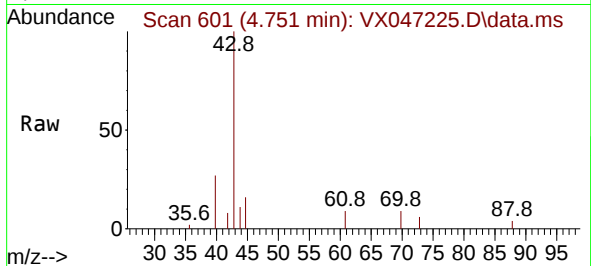




#37
Ethyl Acetate
Concen: 1.558 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

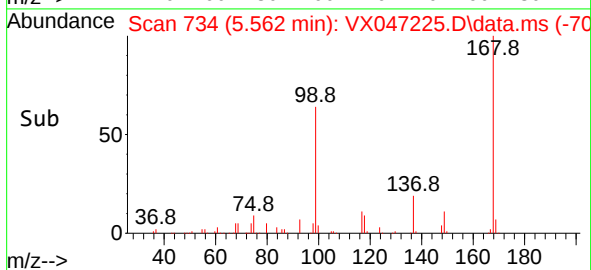
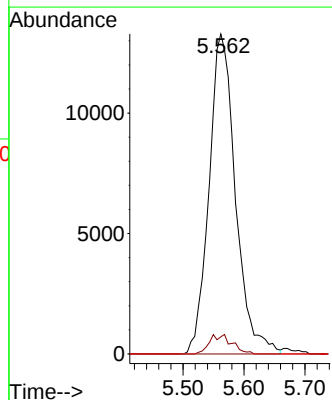
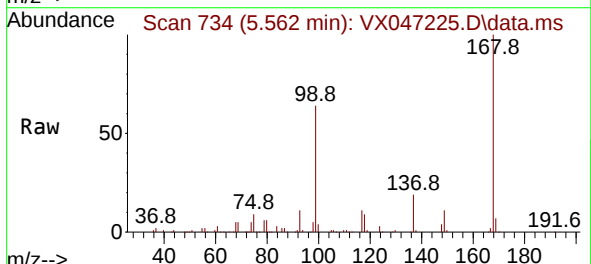
Instrument :
MSVOA_X
ClientSampleId :
289

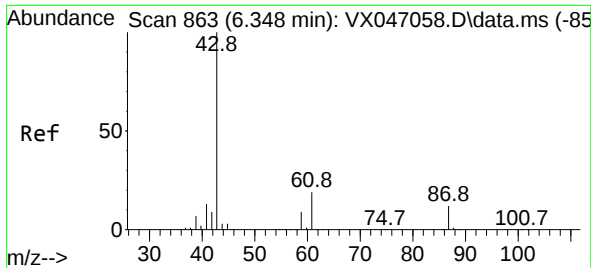
Tgt Ion: 43 Resp: 10920
Ion Ratio Lower Upper
43 100
61 12.2 10.2 15.2
70 10.6 8.1 12.1



#38
Carbon Tetrachloride
Concen: 4.935 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 117 Resp: 40060
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 24.4 36.6#

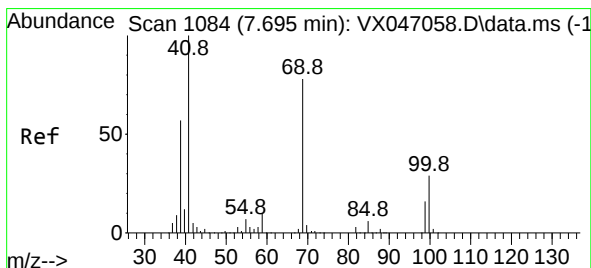
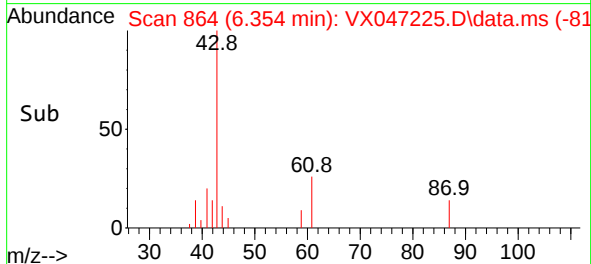
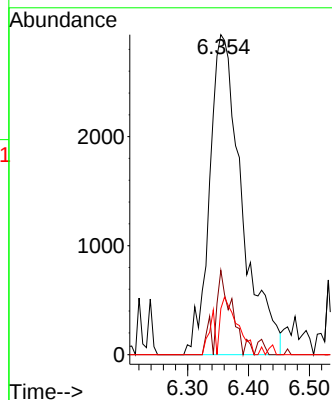
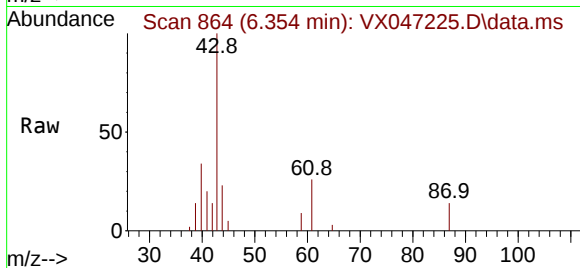




#43
Isopropyl Acetate
Concen: 0.987 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

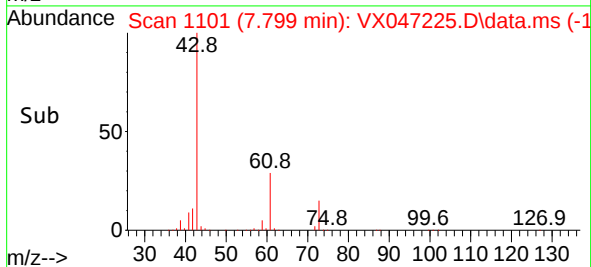
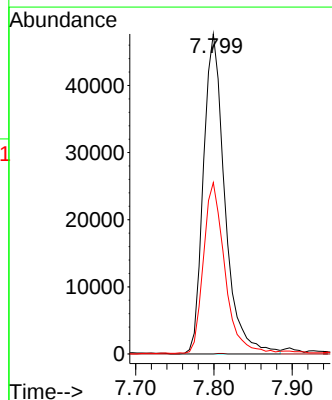
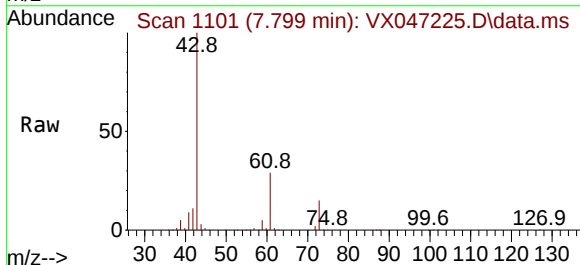
Instrument :
MSVOA_X
ClientSampleId :
289

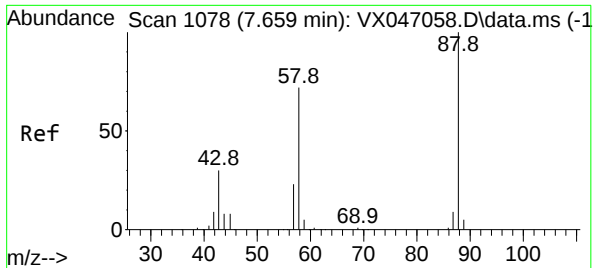
Tgt Ion: 43 Resp: 10782
Ion Ratio Lower Upper
43 100
61 13.5 15.1 22.7#
87 9.4 9.7 14.5#



#48
Methyl methacrylate
Concen: 15.249 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 41 Resp: 90758
Ion Ratio Lower Upper
41 100
69 0.1 62.3 93.5#
39 52.9 44.8 67.2

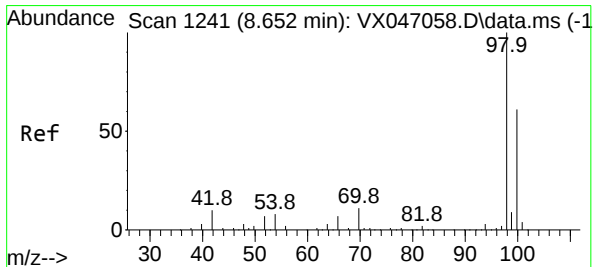
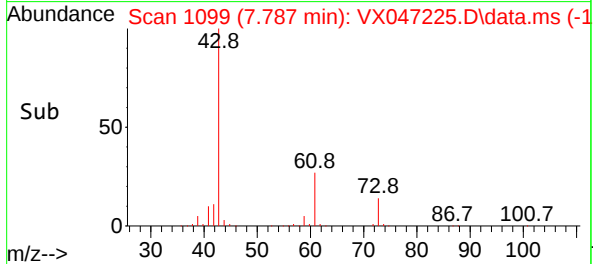
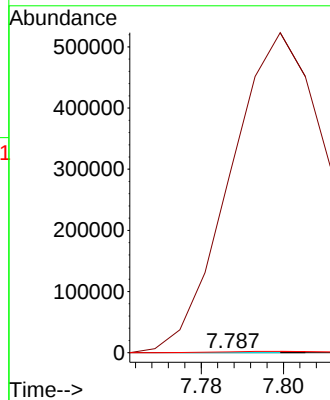
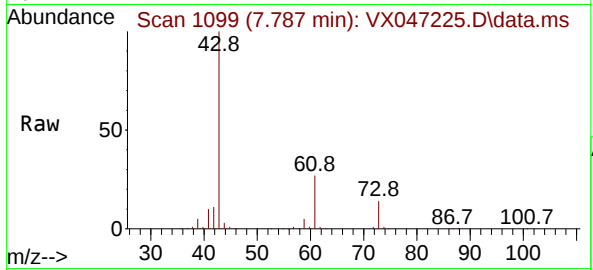




#49
1,4-Dioxane
Concen: 0.724 ug/l
RT: 7.787 min Scan# 1078
Delta R.T. 0.128 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

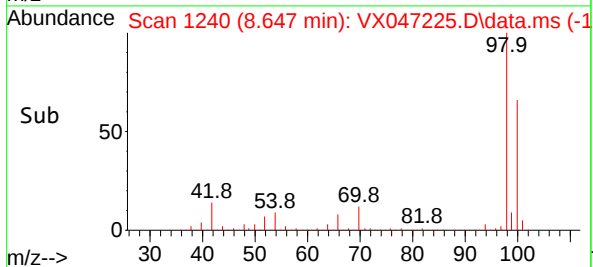
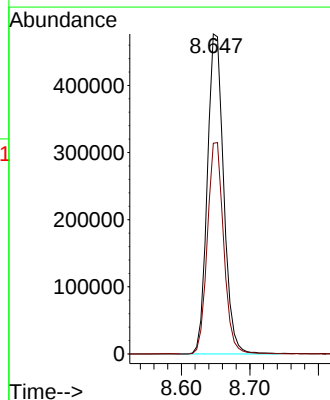
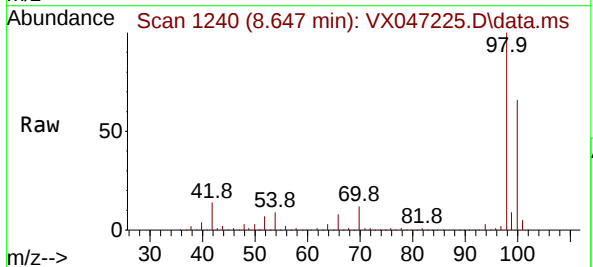
Instrument :
MSVOA_X
ClientSampleId :
289

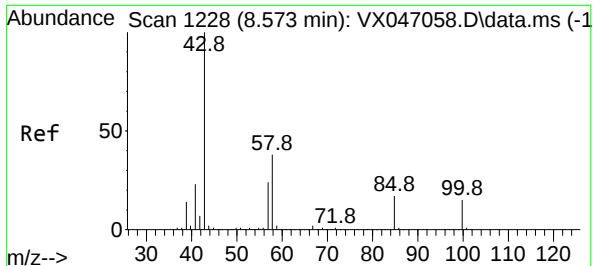
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 1982634.7 33.6 50.4#
58 8777.6 58.8 88.2#



#50
Toluene-d8
Concen: 54.783 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 98 Resp: 791546
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9

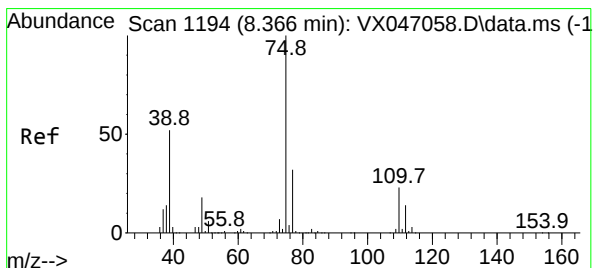
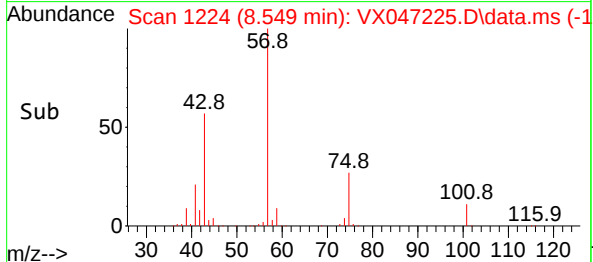
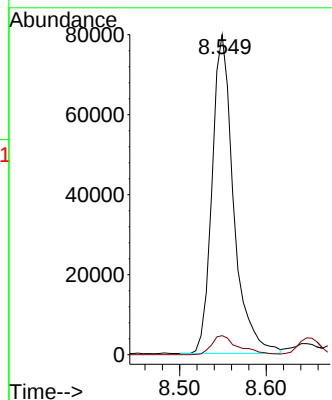
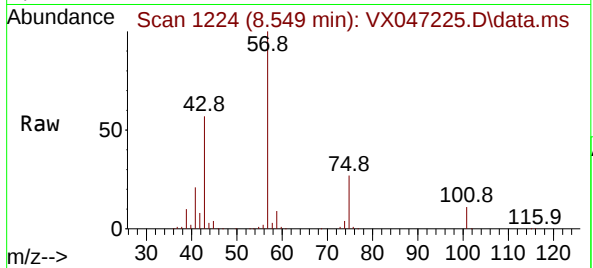




#51
4-Methyl-2-Pentanone
Concen: 21.121 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

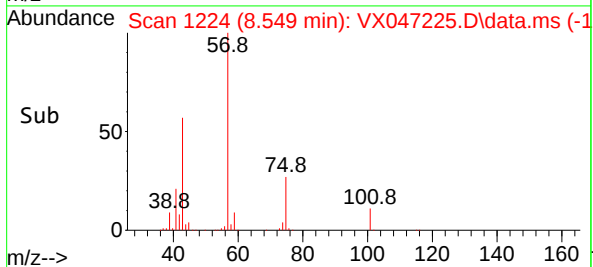
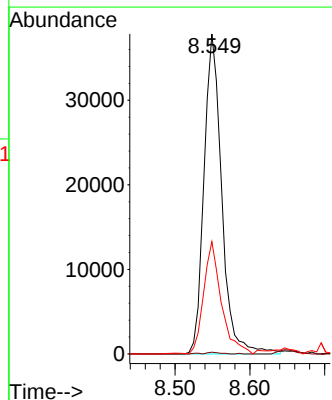
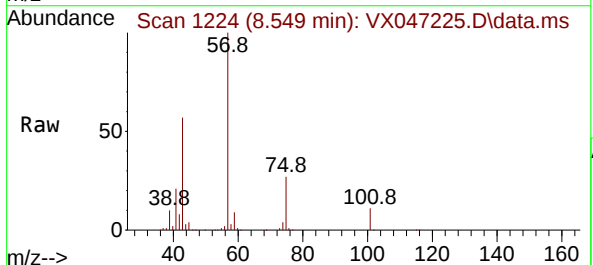
Instrument :
MSVOA_X
ClientSampleId :
289

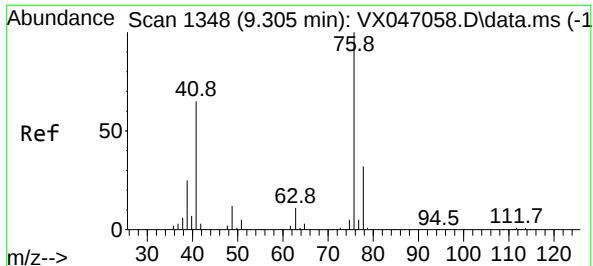
Tgt Ion: 43 Resp: 137153
Ion Ratio Lower Upper
43 100
58 7.4 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 7.338 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 75 Resp: 62402
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.0#
39 34.9 41.8 62.6#

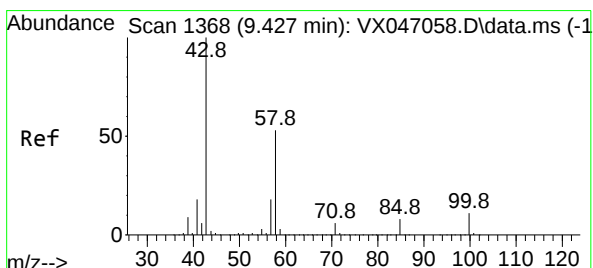
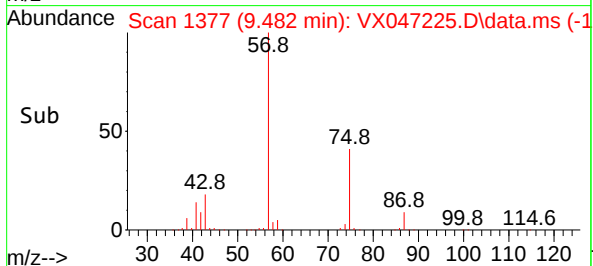
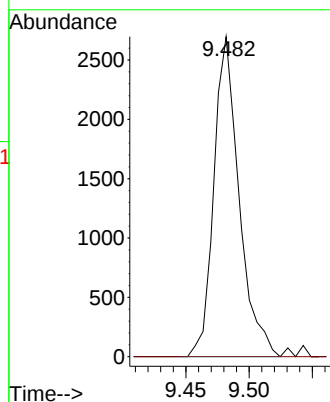
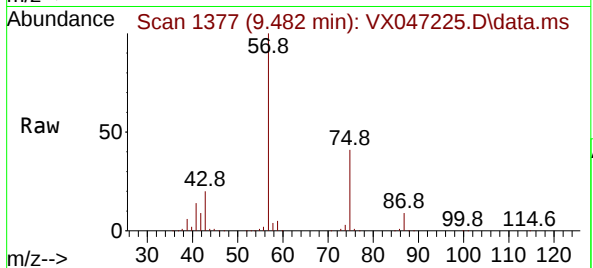




#57
1,3-Dichloropropane
Concen: 0.423 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

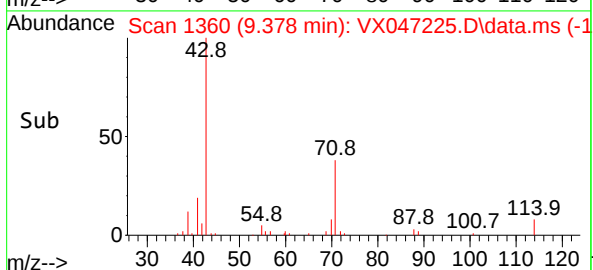
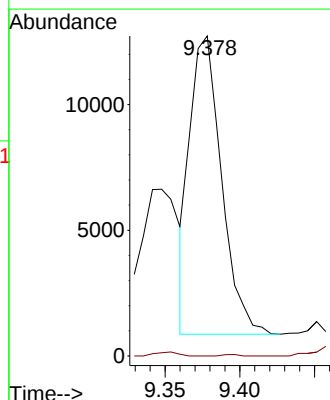
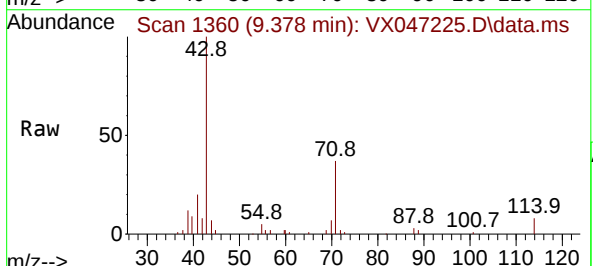
Instrument :
MSVOA_X
ClientSampleId :
289

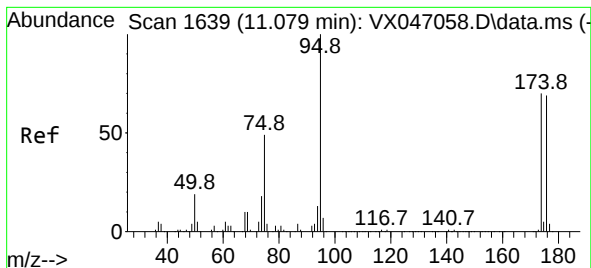
Tgt Ion: 76 Resp: 3734
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 4.072 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 43 Resp: 17469
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#

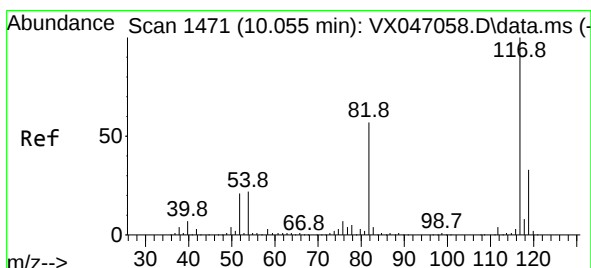
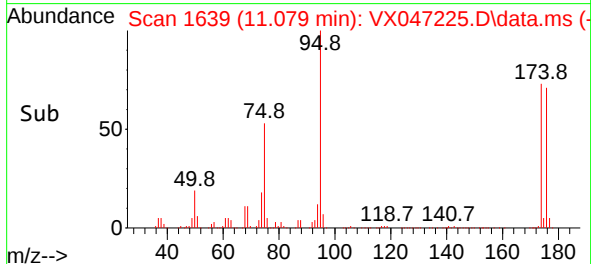
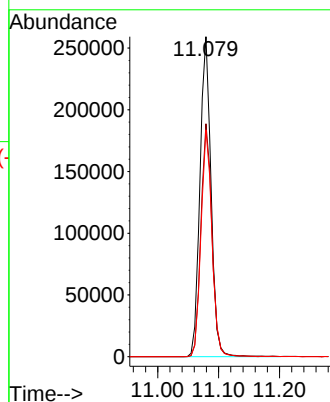
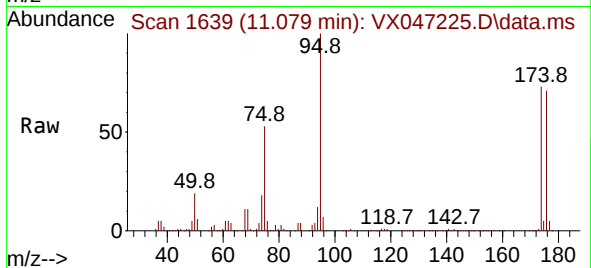




#62
4-Bromofluorobenzene
Concen: 52.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

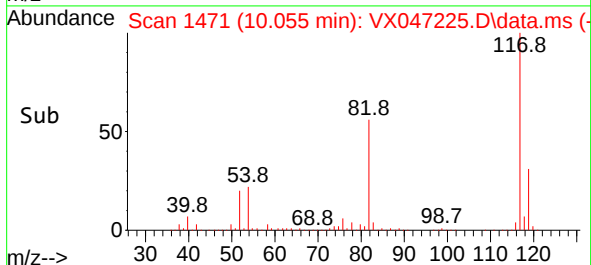
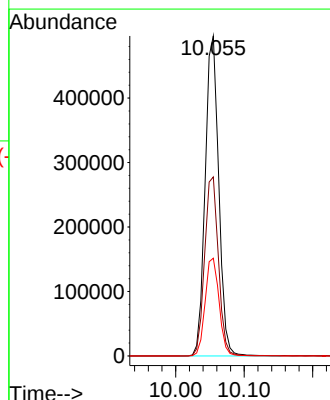
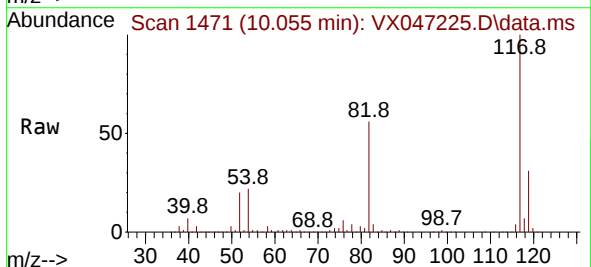
Instrument :
MSVOA_X
ClientSampleId :
289

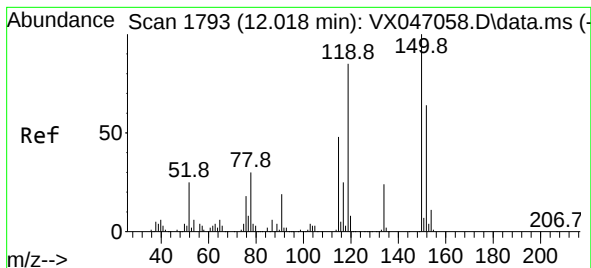
Tgt Ion: 95 Resp: 326596
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 70.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Tgt Ion: 117 Resp: 684935
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 30.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047225.D

Acq: 04 Aug 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

289

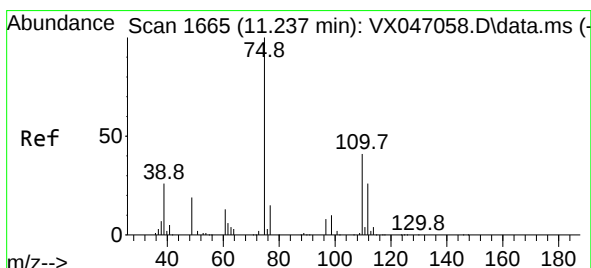
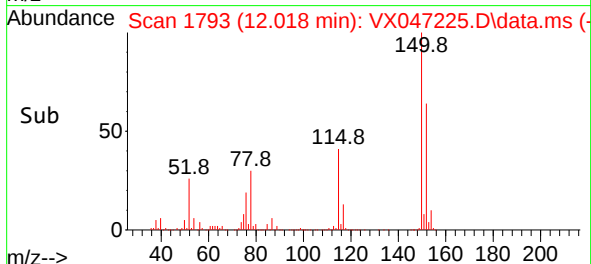
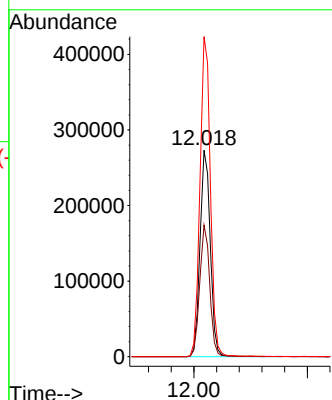
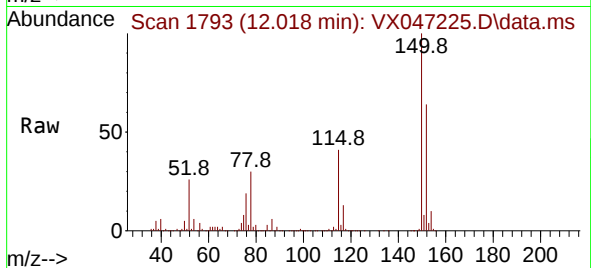
Tgt Ion:152 Resp: 342521

Ion Ratio Lower Upper

152 100

115 62.6 45.6 136.7

150 157.2 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047225.D

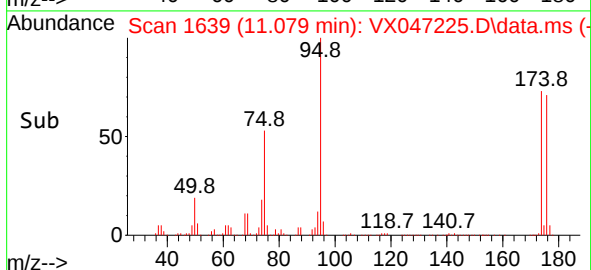
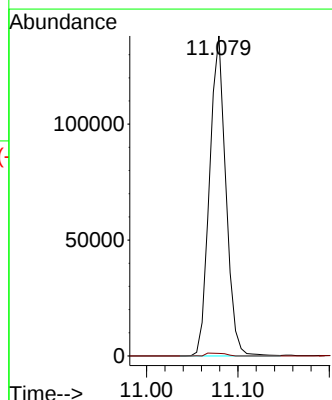
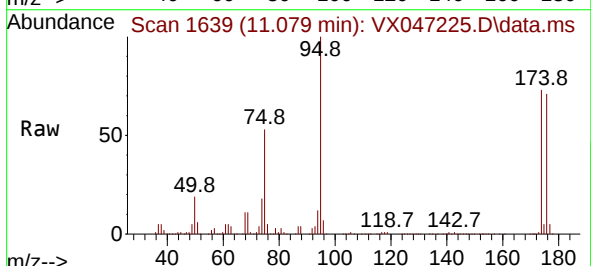
Acq: 04 Aug 2025 13:41

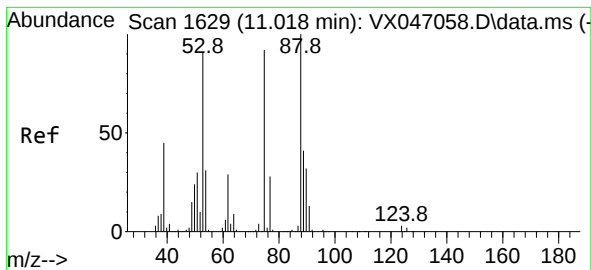
Tgt Ion: 75 Resp: 170836

Ion Ratio Lower Upper

75 100

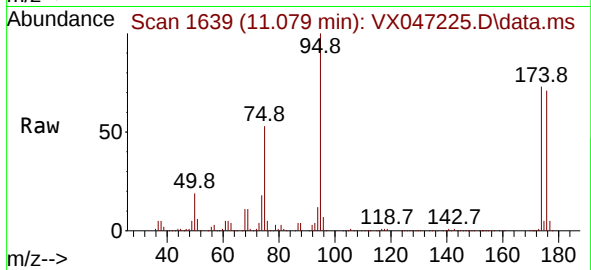
77 1.1 21.6 65.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047225.D
Acq: 04 Aug 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 75 Resp: 170836
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

