

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048187.D
 Acq On : 15 Oct 2025 13:54
 Operator : JC/MD
 Sample : Q3343-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 04:05:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

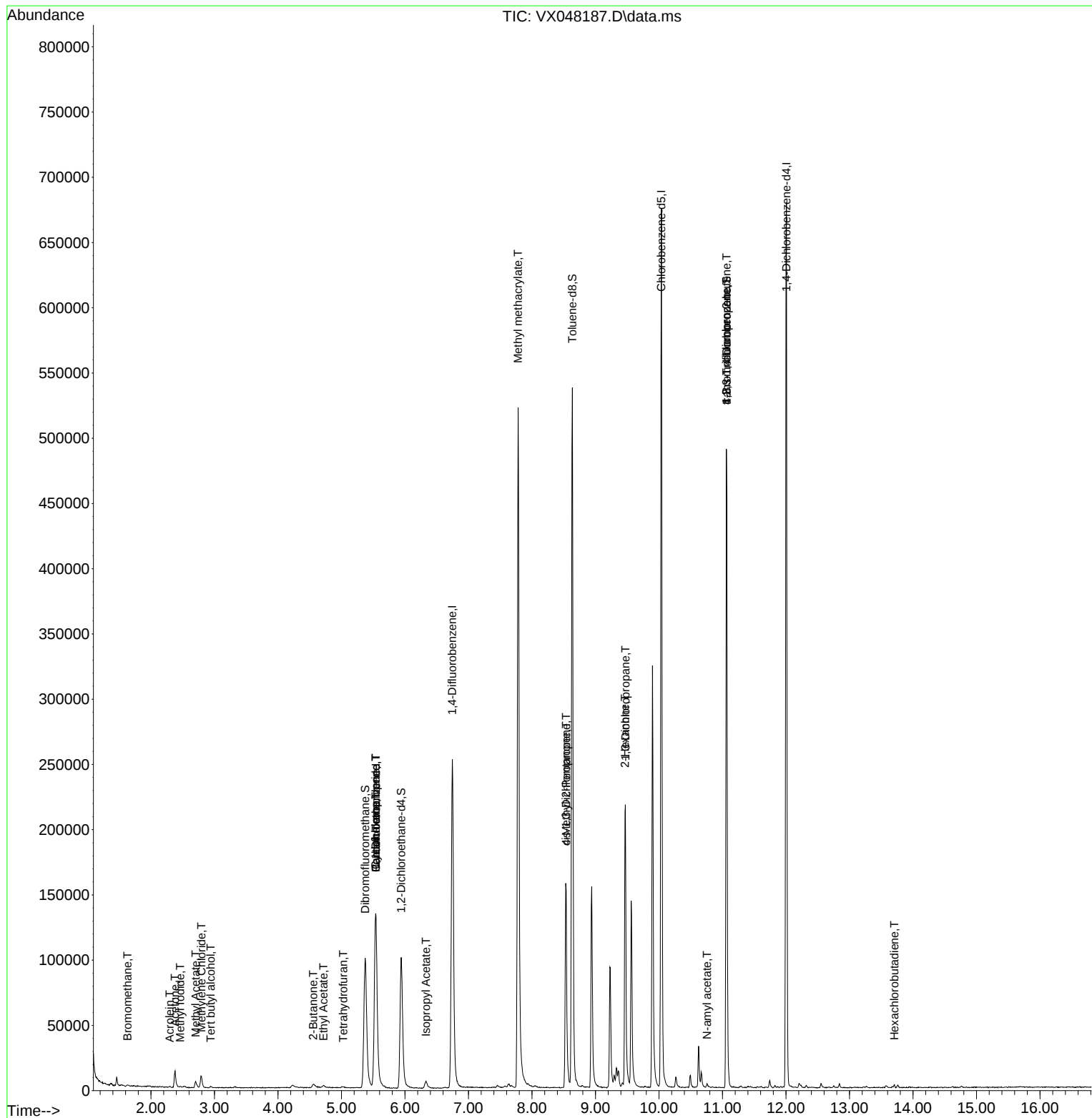
Internal Standards						
1) Pentafluorobenzene	5.544	168	137115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	275742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	297788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108331	49.636	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.280%
35) Dibromofluoromethane	5.373	113	94978	51.360	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.720%
50) Toluene-d8	8.635	98	326202	50.978	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.960%
62) 4-Bromofluorobenzene	11.061	95	137927	56.795	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	376	0.325	ug/l #	68
10) Methyl Iodide	2.459	142	683	0.276	ug/l #	76
11) Tert butyl alcohol	2.941	59	351	1.444	ug/l #	72
13) Acrolein	2.294	56	105	0.469	ug/l #	14
16) Acetone	2.380	43	16105	16.971	ug/l	98
18) Methyl Acetate	2.703	43	7043	3.335	ug/l	97
20) Methylene Chloride	2.794	84	4486	2.233	ug/l	93
25) 2-Butanone	4.556	43	6519	5.507	ug/l	97
29) Tetrahydrofuran	5.026	42	829	1.164	ug/l #	51
31) Cyclohexane	5.538	56	2899	1.005	ug/l #	30
36) 1,1-Dichloropropene	5.538	75	12389	4.585	ug/l #	50
37) Ethyl Acetate	4.715	43	2646	0.915	ug/l #	90
38) Carbon Tetrachloride	5.544	117	13922	4.742	ug/l #	17
43) Isopropyl Acetate	6.330	43	8709	1.835	ug/l #	96
48) Methyl methacrylate	7.781	41	53999	22.846	ug/l #	47
51) 4-Methyl-2-Pentanone	8.537	43	62772	23.859	ug/l #	50
54) cis-1,3-Dichloropropene	8.537	75	26886	7.814	ug/l #	64
57) 1,3-Dichloropropane	9.470	76	1956	0.584	ug/l #	42
59) 2-Hexanone	9.464	43	29538	15.632	ug/l #	58
74) N-amyl acetate	10.756	43	2212	0.447	ug/l #	50
76) 1,2,3-Trichloropropane	11.061	75	73604	25.468	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	73604	64.947	ug/l #	8
94) Hexachlorobutadiene	13.707	225	342	0.328	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
Data File : VX048187.D
Acq On : 15 Oct 2025 13:54
Operator : JC/MD
Sample : Q3343-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

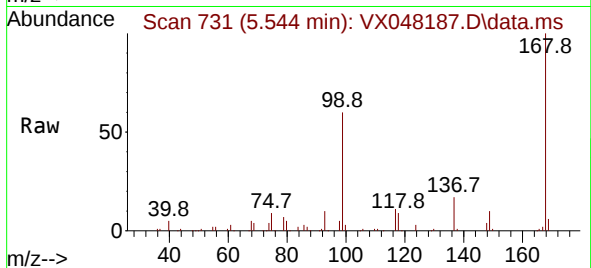
Quant Time: Oct 16 04:05:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



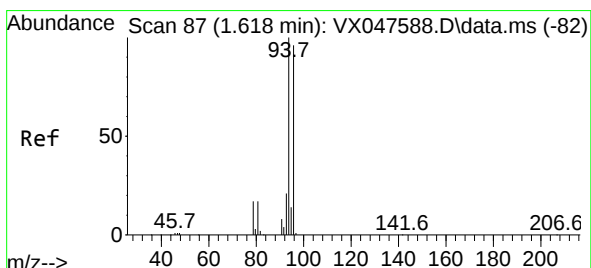
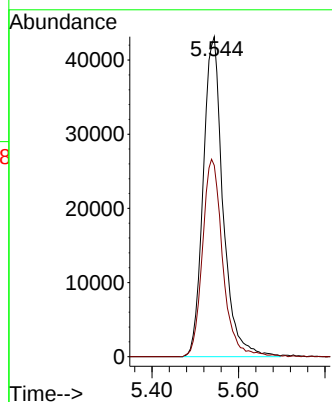
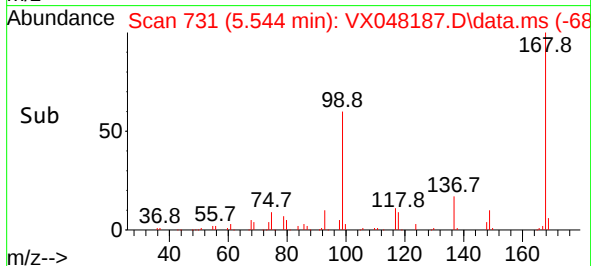


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :

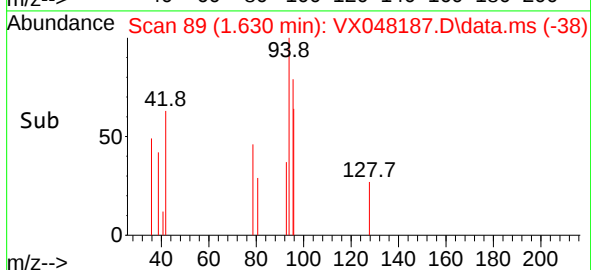
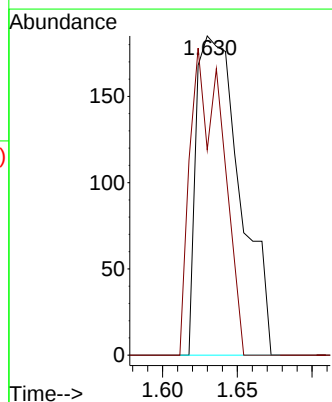
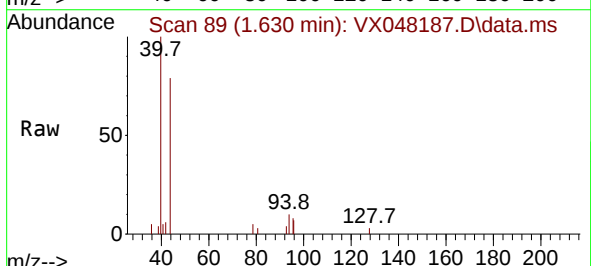


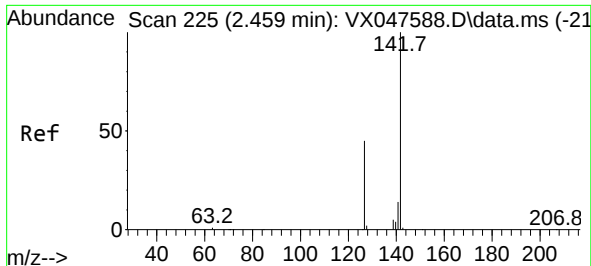
Tgt Ion:168 Resp: 137115
Ion Ratio Lower Upper
168 100
99 59.8 48.8 73.2



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

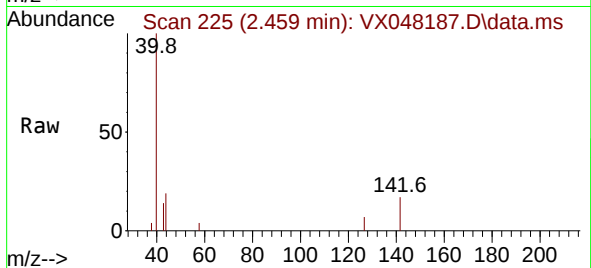
Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 64.3 76.6 115.0#



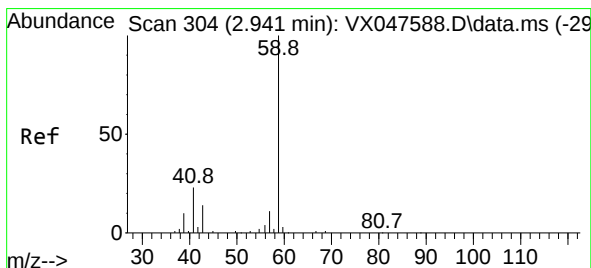
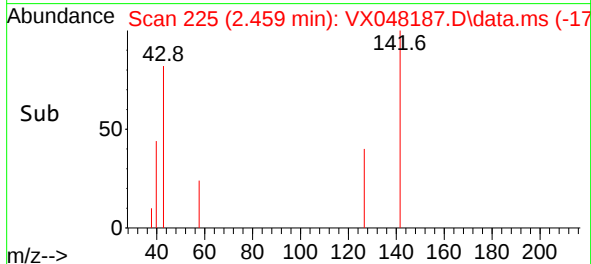
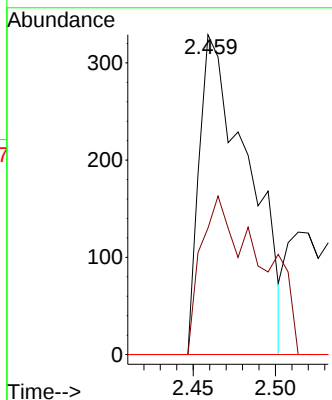


#10
Methyl Iodide
Concen: 0.276 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :

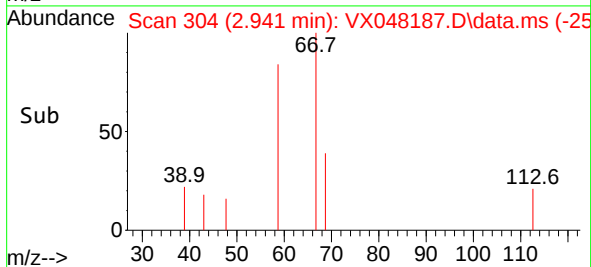
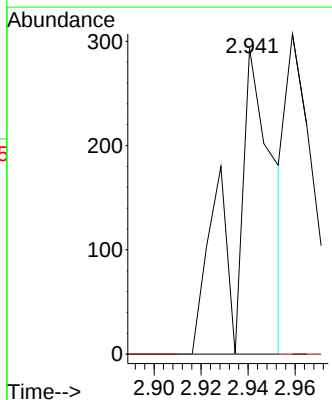
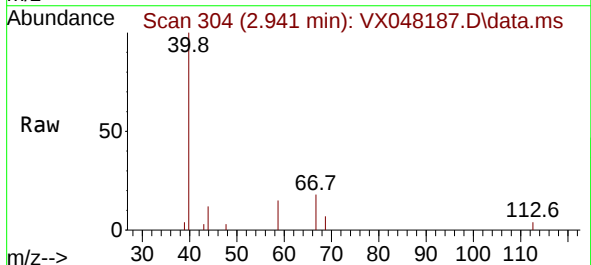


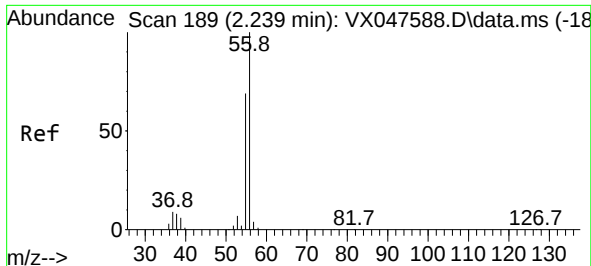
Tgt Ion:142 Resp: 683
Ion Ratio Lower Upper
142 100
127 60.2 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.444 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

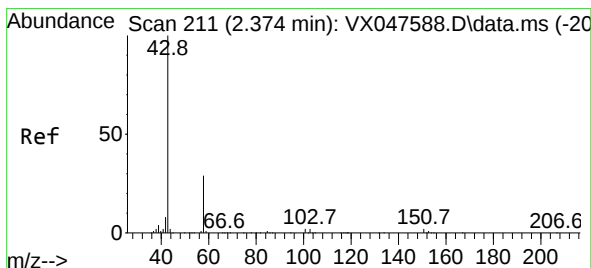
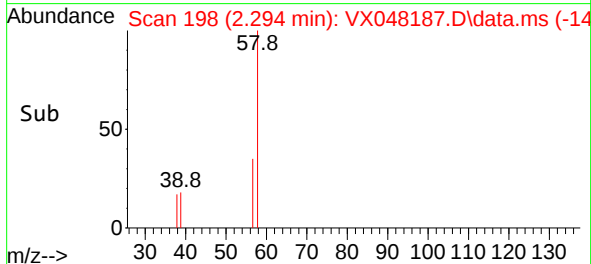
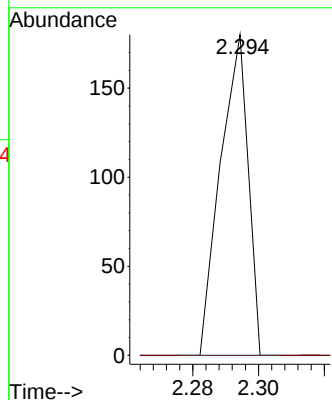
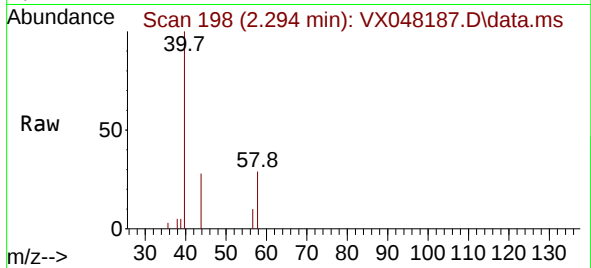




#13
Acrolein
Concen: 0.469 ug/l
RT: 2.294 min Scan# 198
Delta R.T. 0.055 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

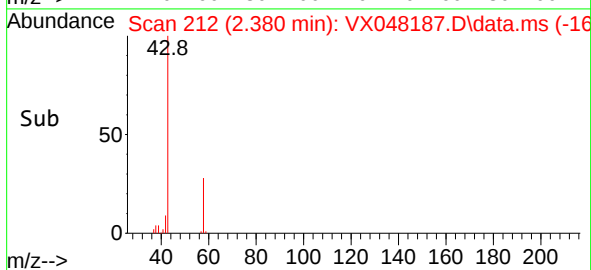
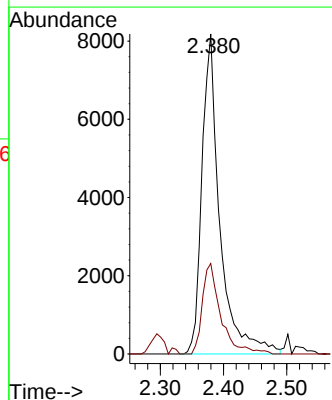
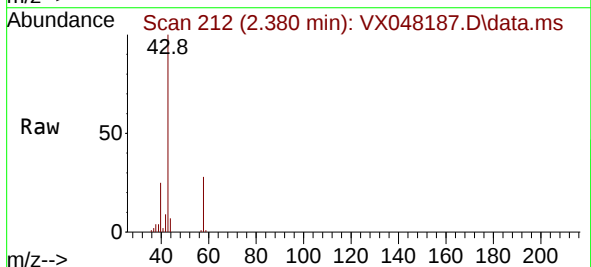
Instrument :
MSVOA_X
ClientSampleId :

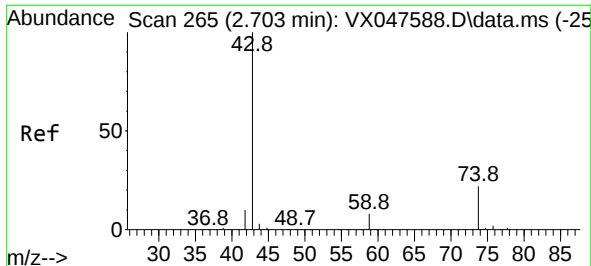
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 16.971 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 43 Resp: 16105
Ion Ratio Lower Upper
43 100
58 28.3 23.4 35.0

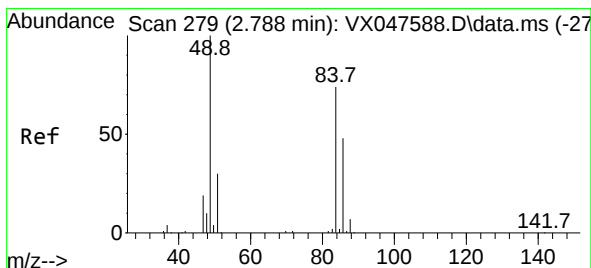
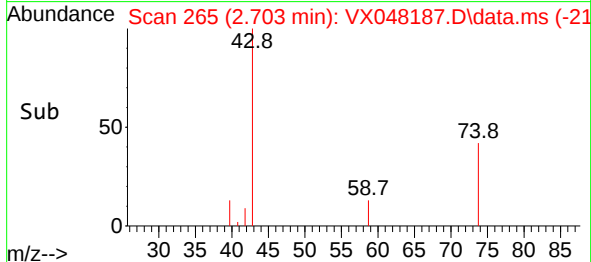
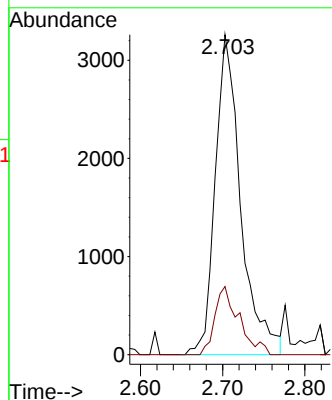
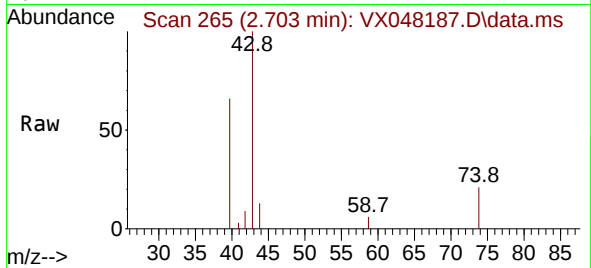




#18
Methyl Acetate
Concen: 3.335 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

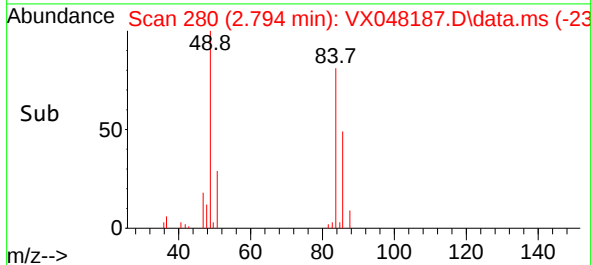
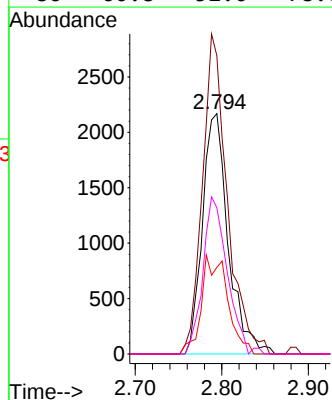
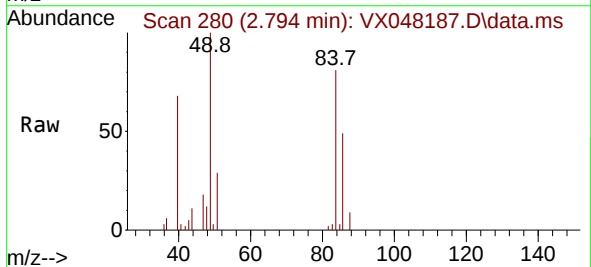
Instrument :
MSVOA_X
ClientSampleId :

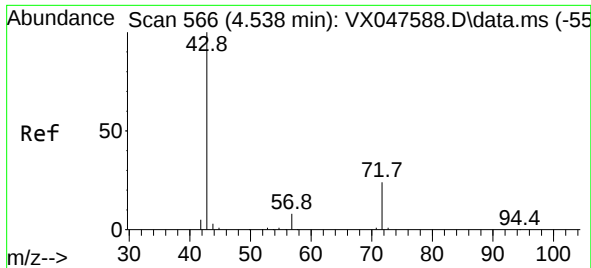
Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
74 20.2 17.4 26.2



#20
Methylene Chloride
Concen: 2.233 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 84 Resp: 4486
Ion Ratio Lower Upper
84 100
49 127.5 108.6 162.8
51 36.0 32.6 48.8
86 60.8 52.0 78.0





#25

2-Butanone

Concen: 5.507 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX048187.D

Acq: 15 Oct 2025 13:54

Instrument :

MSVOA_X

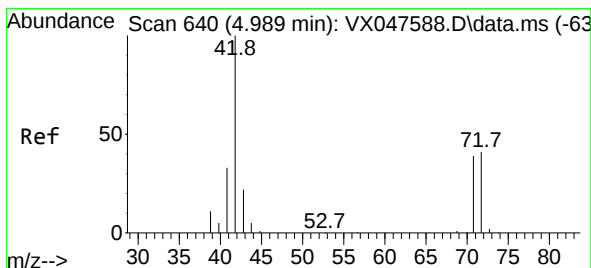
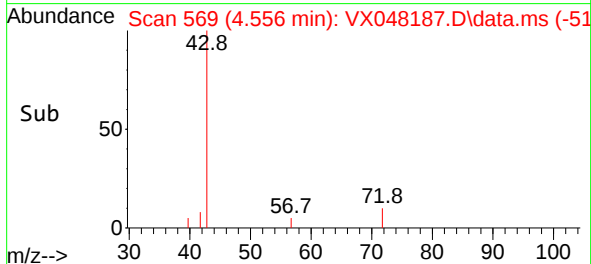
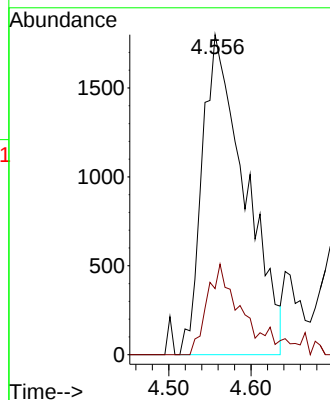
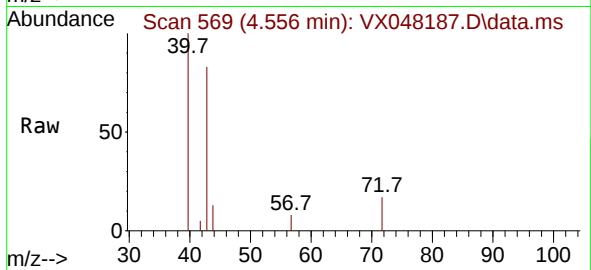
ClientSampleId :

Tgt Ion: 43 Resp: 6519

Ion Ratio Lower Upper

43 100

72 23.6 20.1 30.1



#29

Tetrahydrofuran

Concen: 1.164 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.037 min

Lab File: VX048187.D

Acq: 15 Oct 2025 13:54

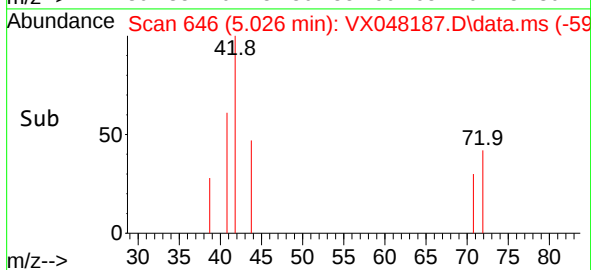
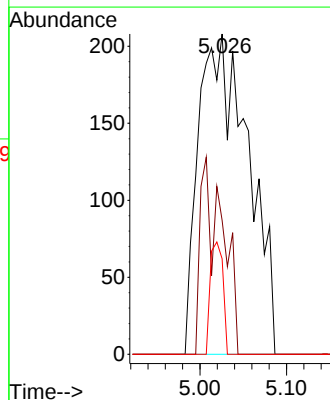
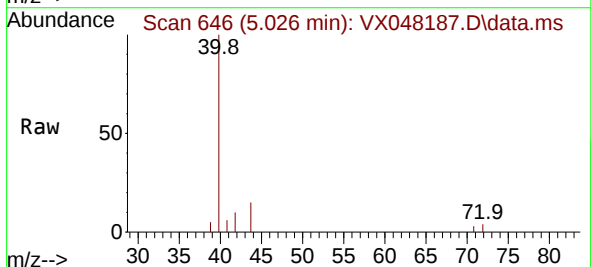
Tgt Ion: 42 Resp: 829

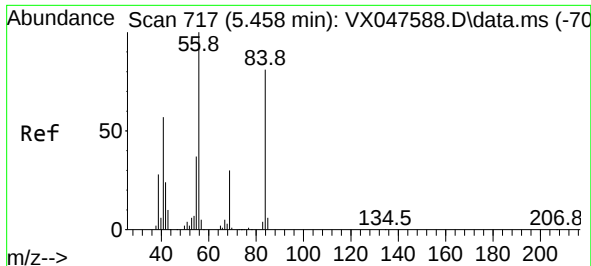
Ion Ratio Lower Upper

42 100

72 12.7 34.2 51.2#

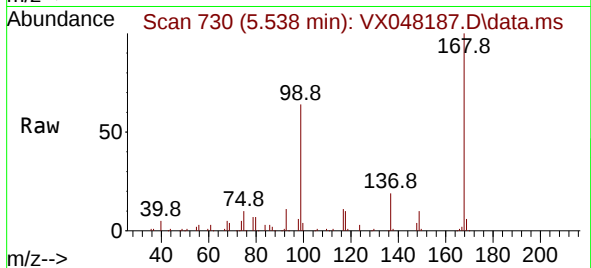
71 8.9 31.9 47.9#



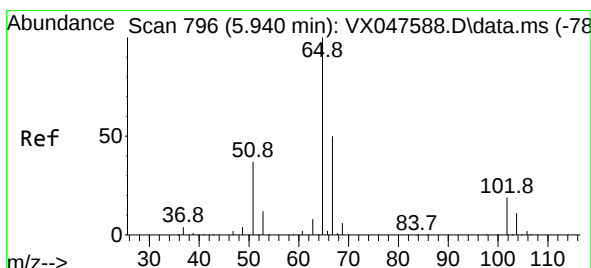
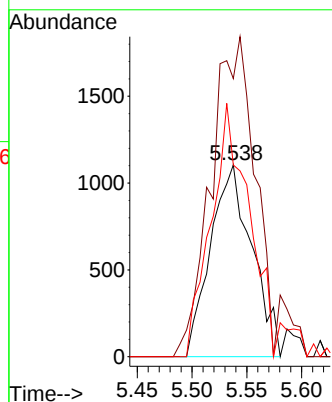
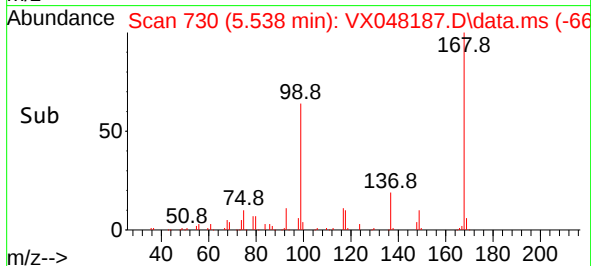


#31
Cyclohexane
Concen: 1.005 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :

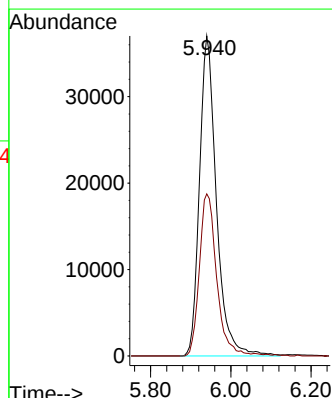
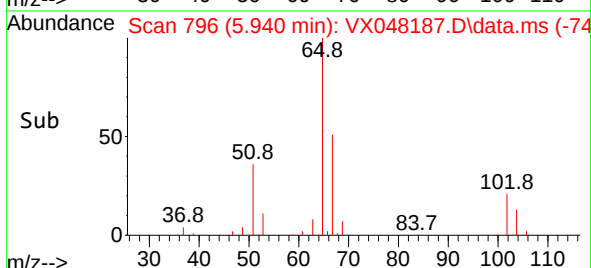
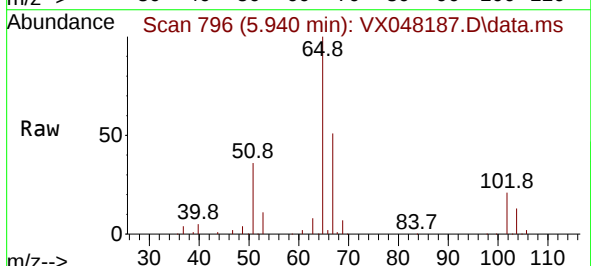


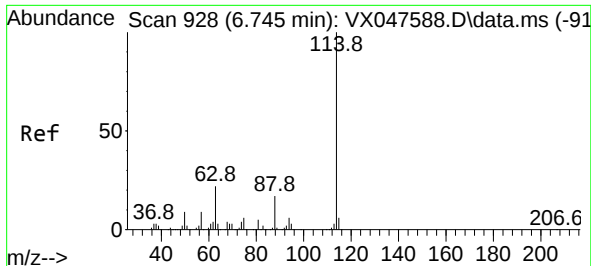
Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 138.5 23.8 35.8#
84 99.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.636 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 65 Resp: 108331
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

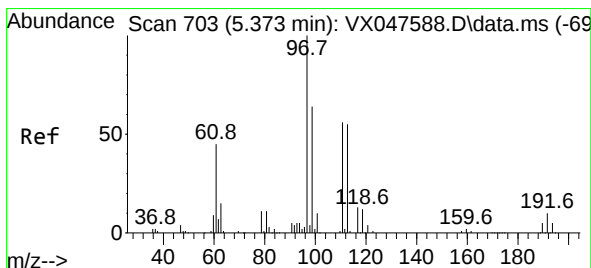
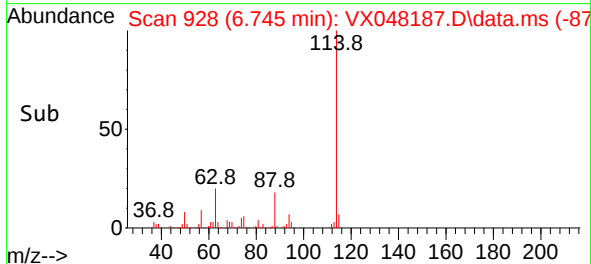
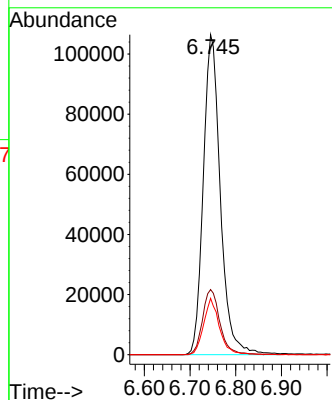
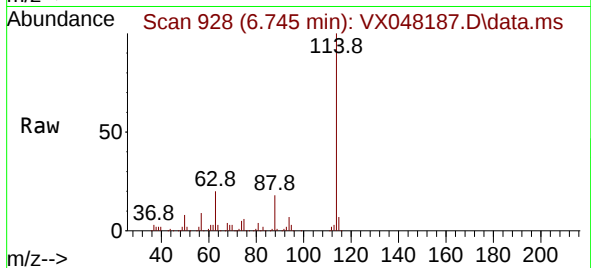




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

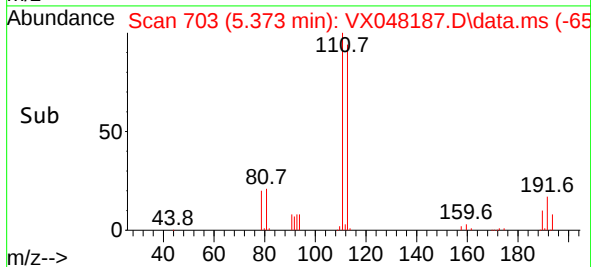
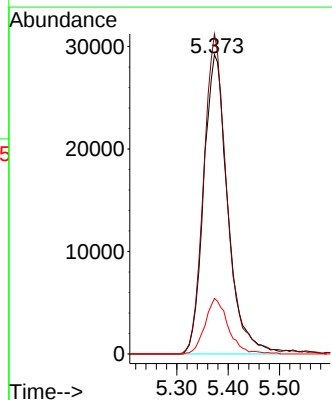
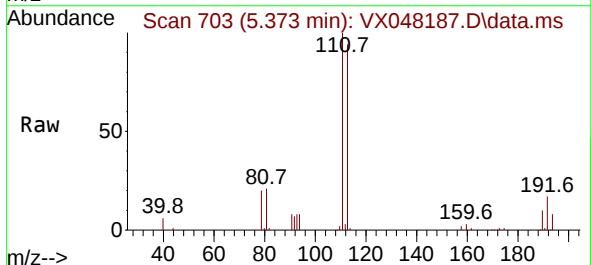
Instrument :
MSVOA_X
ClientSampleId :

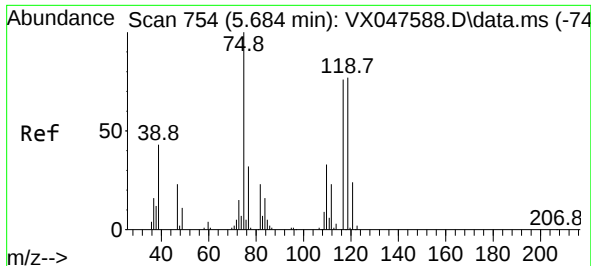
Tgt Ion:114 Resp: 275742
Ion Ratio Lower Upper
114 100
63 20.3 0.0 44.0
88 17.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.360 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

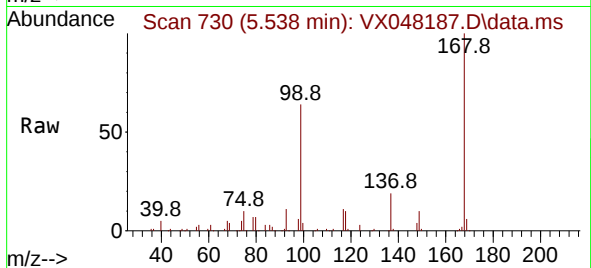
Tgt Ion:113 Resp: 94978
Ion Ratio Lower Upper
113 100
111 104.1 80.9 121.3
192 18.0 14.2 21.4



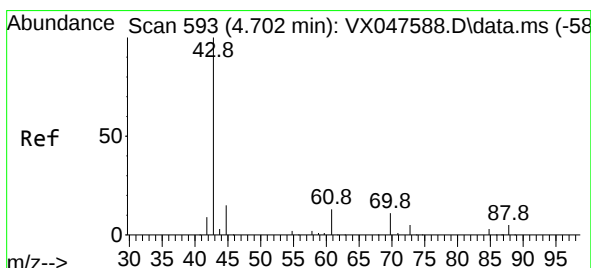
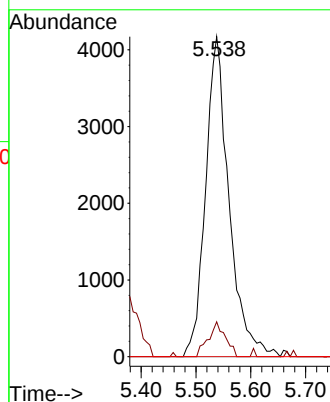
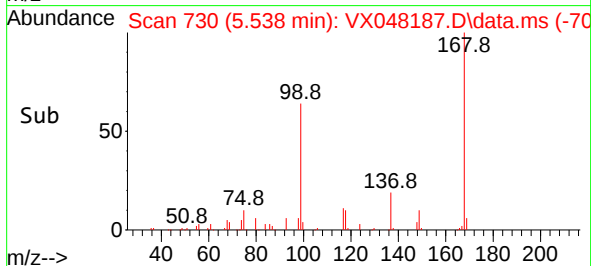


#36
1,1-Dichloropropene
Concen: 4.585 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :

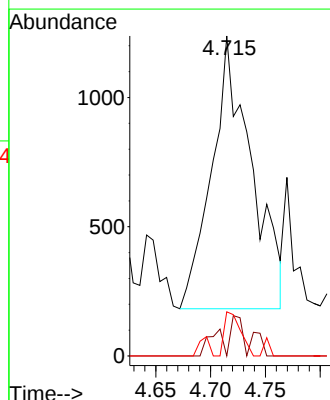
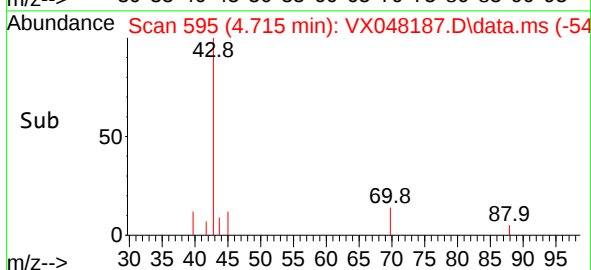
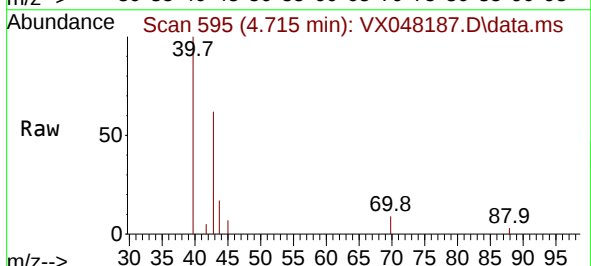


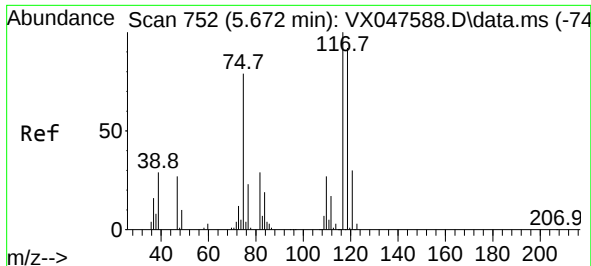
Tgt Ion: 75 Resp: 12389
Ion Ratio Lower Upper
75 100
110 7.9 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.915 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

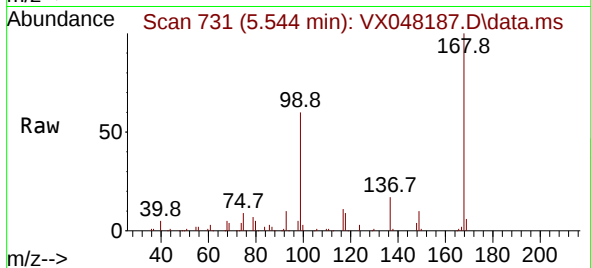
Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
61 7.7 9.8 14.8#
70 6.7 7.9 11.9#



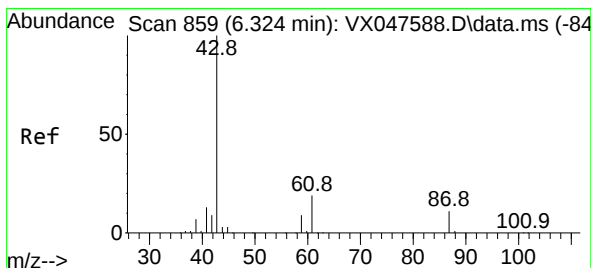
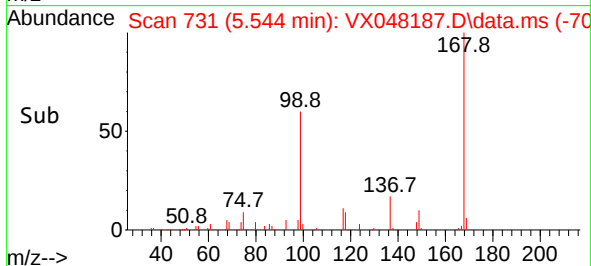
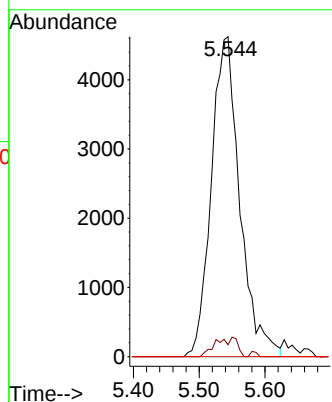


#38
Carbon Tetrachloride
Concen: 4.742 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :

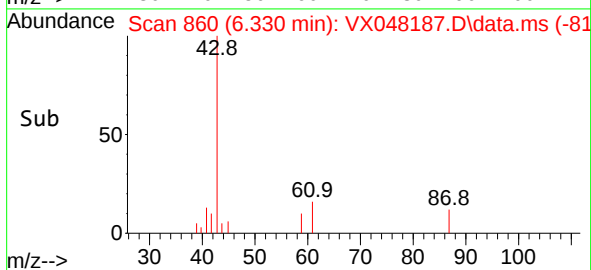
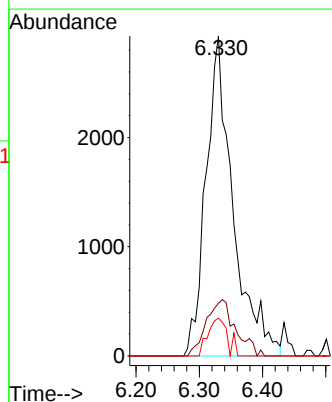
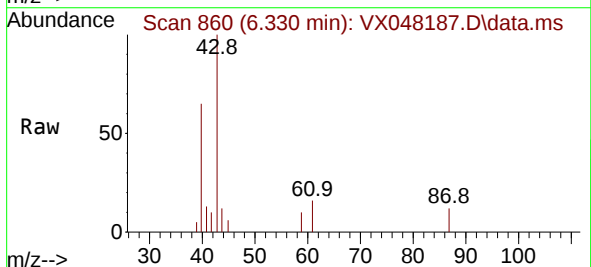


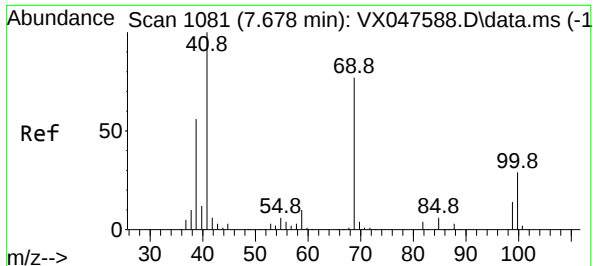
Tgt Ion:117 Resp: 13922
Ion Ratio Lower Upper
117 100
119 3.8 73.4 110.2#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 1.835 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 43 Resp: 8709
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 8.5 9.6 14.4#

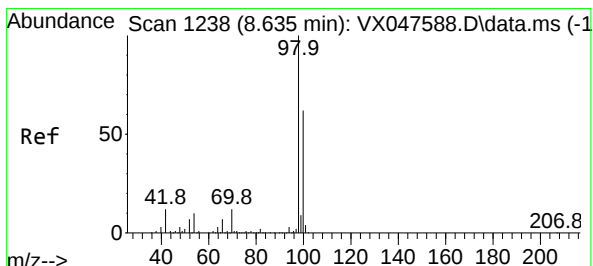
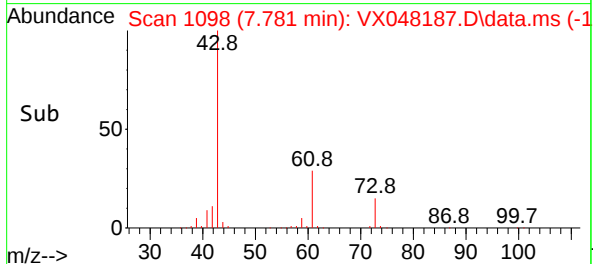
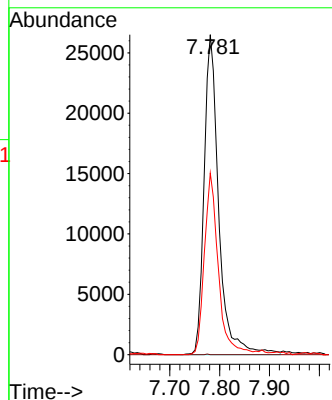
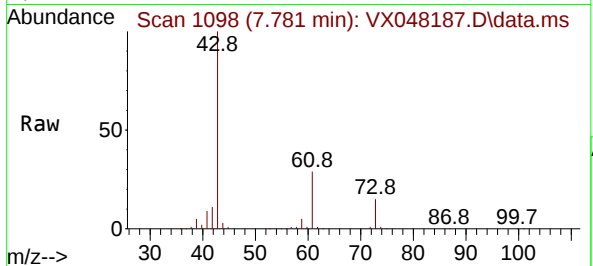




#48
Methyl methacrylate
Concen: 22.846 ug/l
RT: 7.781 min Scan# 1081
Delta R.T. 0.104 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

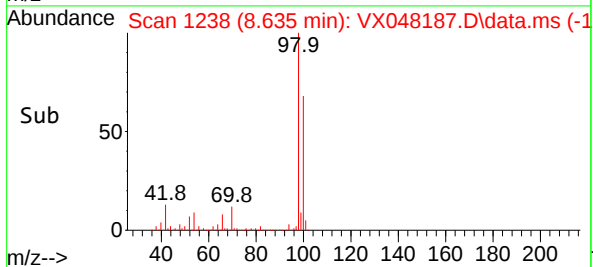
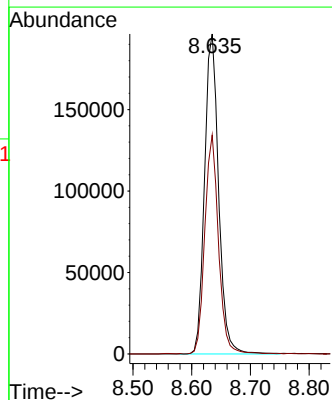
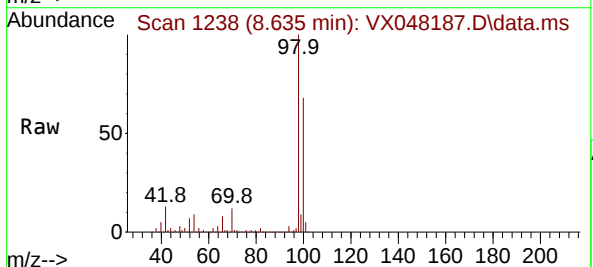
Instrument :
MSVOA_X
ClientSampleId :

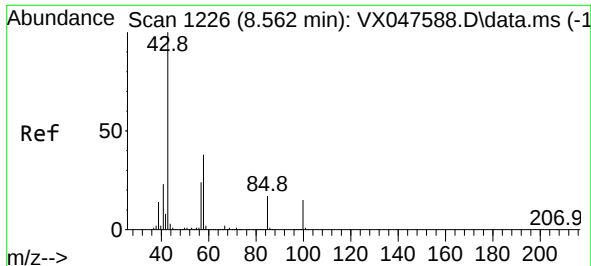
Tgt Ion: 41 Resp: 53999
Ion Ratio Lower Upper
41 100
69 0.0 61.4 92.2#
39 54.0 45.8 68.6



#50
Toluene-d8
Concen: 50.978 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 98 Resp: 326202
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

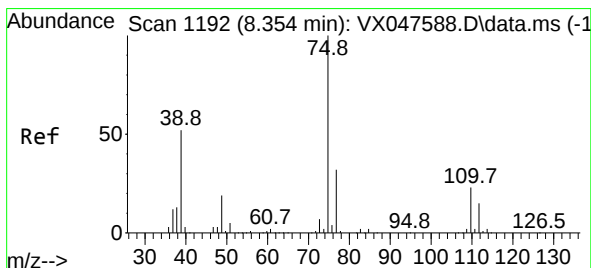
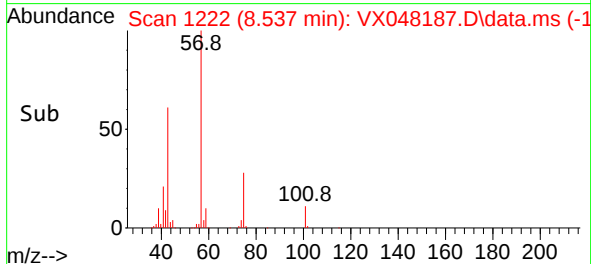
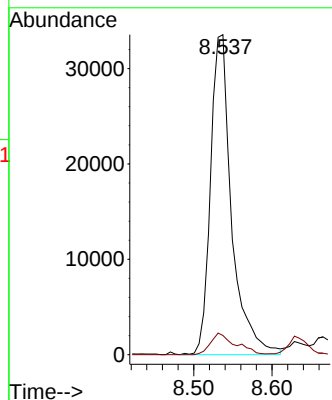
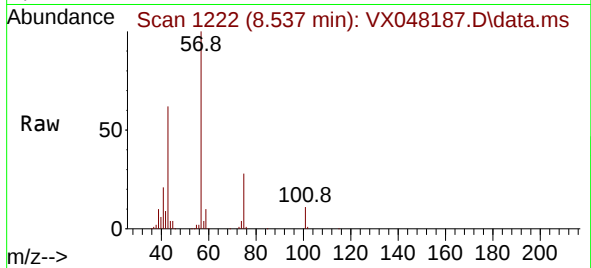




#51
4-Methyl-2-Pentanone
Concen: 23.859 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. -0.024 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

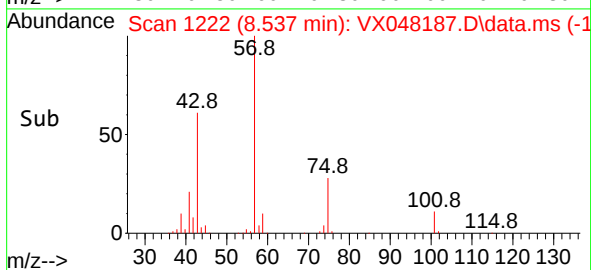
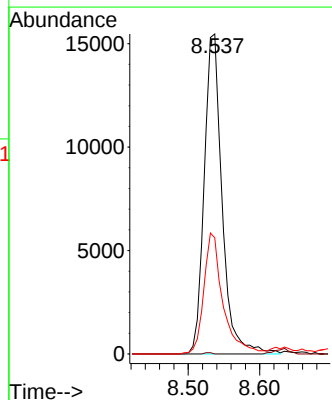
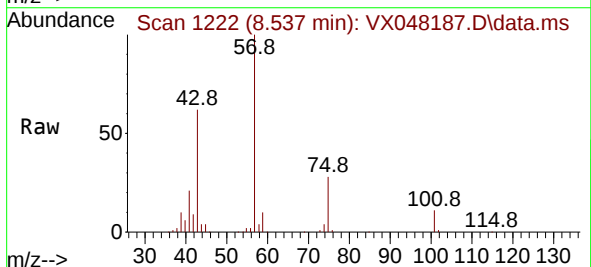
Instrument :
MSVOA_X
ClientSampleId :

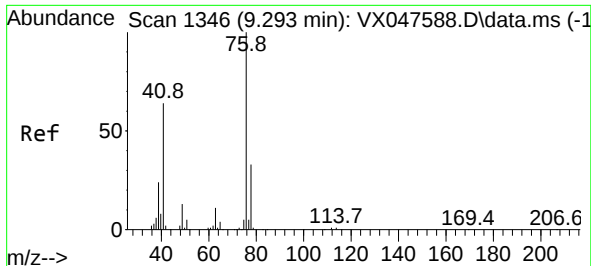
Tgt Ion: 43 Resp: 62772
Ion Ratio Lower Upper
43 100
58 8.0 30.3 45.5#



#54
cis-1,3-Dichloropropene
Concen: 7.814 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. 0.183 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 75 Resp: 26886
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#
39 36.3 41.4 62.2#

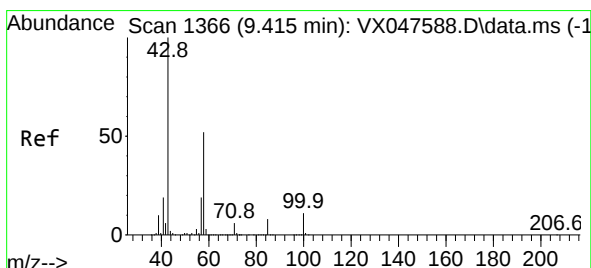
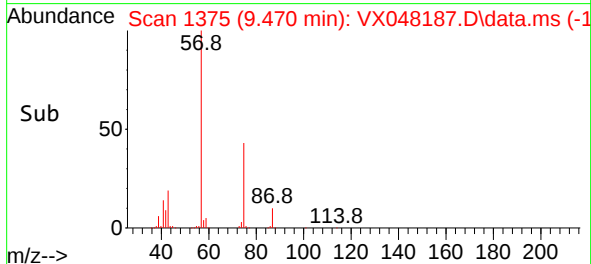
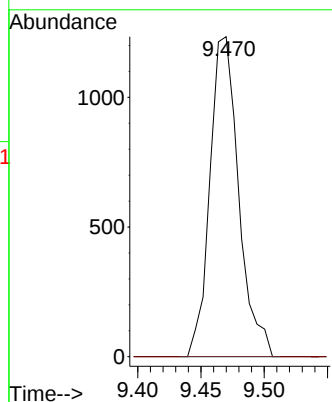
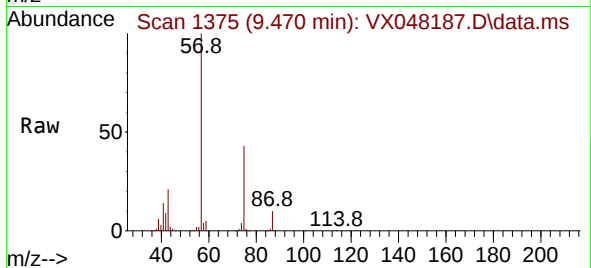




#57
1,3-Dichloropropane
Concen: 0.584 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

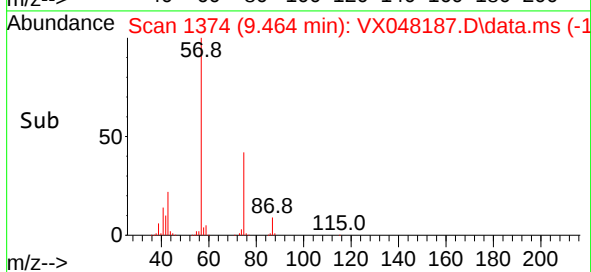
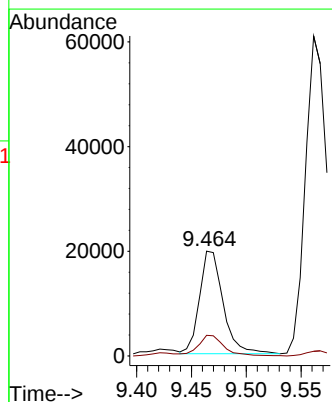
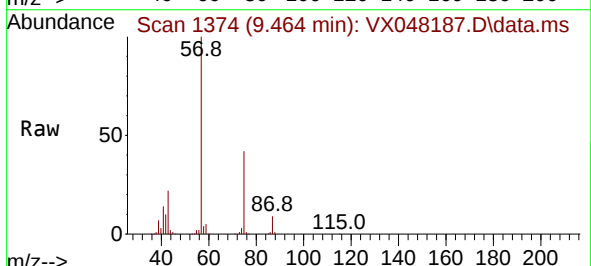
Instrument :
MSVOA_X
ClientSampleId :

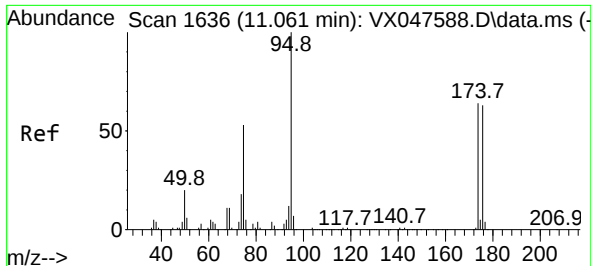
Tgt Ion: 76 Resp: 1956
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 15.632 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.049 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 43 Resp: 29538
Ion Ratio Lower Upper
43 100
58 22.2 26.1 78.2#

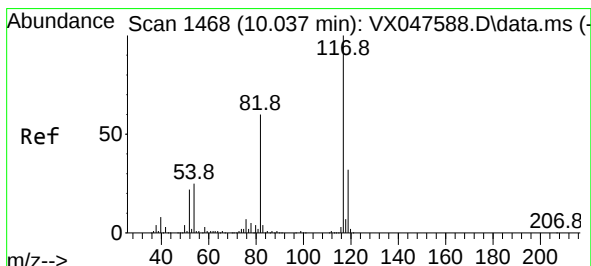
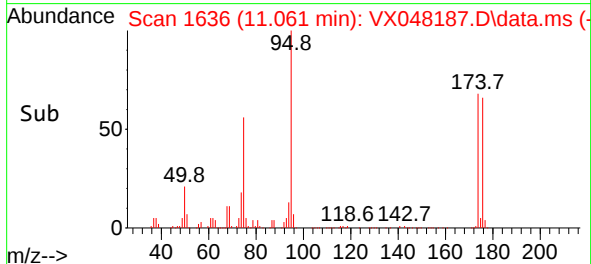
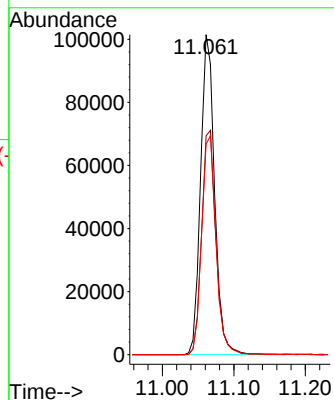
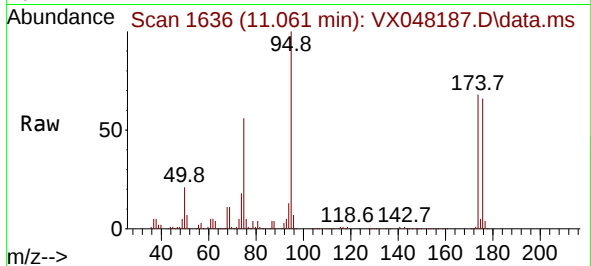




#62
4-Bromofluorobenzene
Concen: 56.795 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

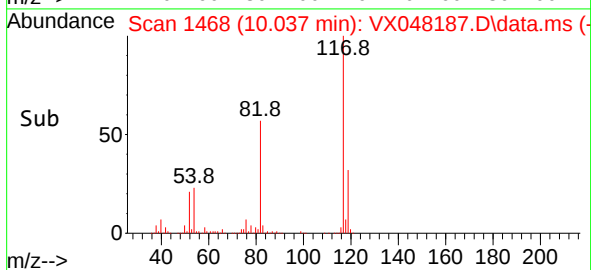
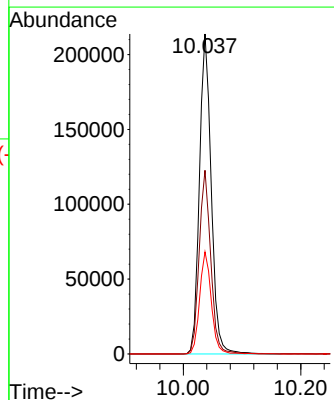
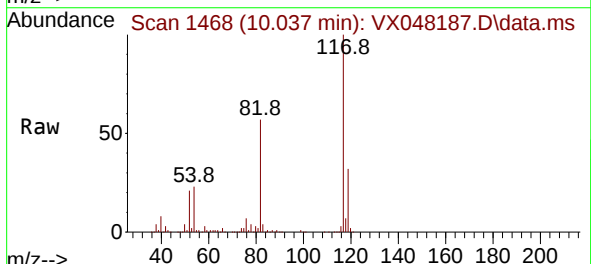
Instrument :
MSVOA_X
ClientSampleId :

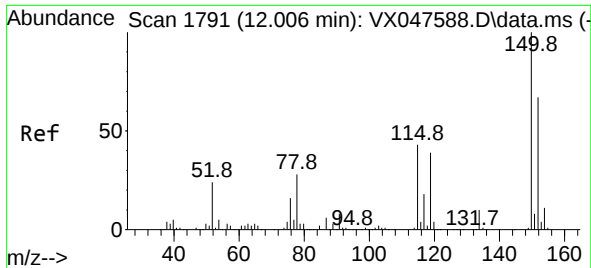
Tgt Ion: 95 Resp: 137927
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.6
176 70.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 117 Resp: 297788
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.6
119 31.9 25.2 37.8

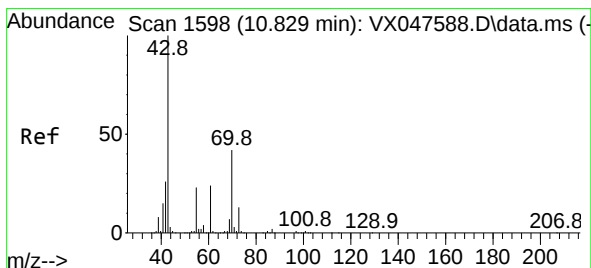
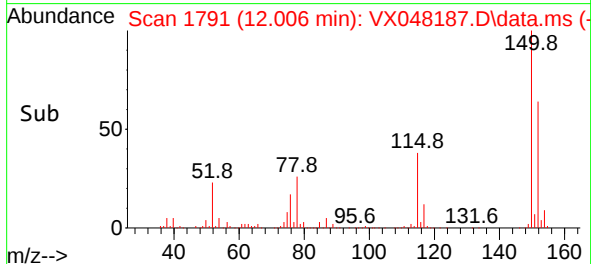
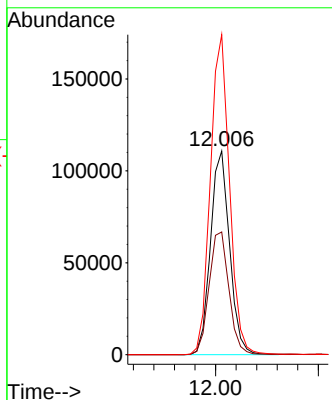
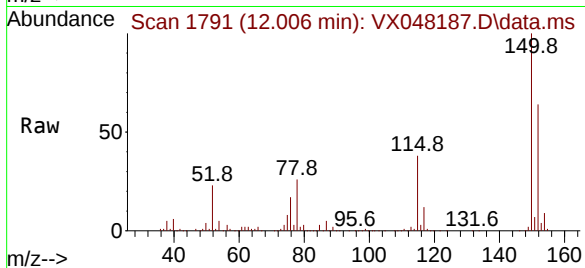




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

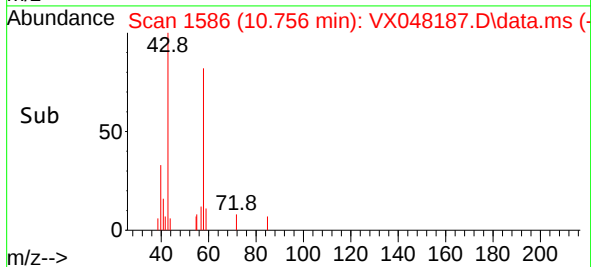
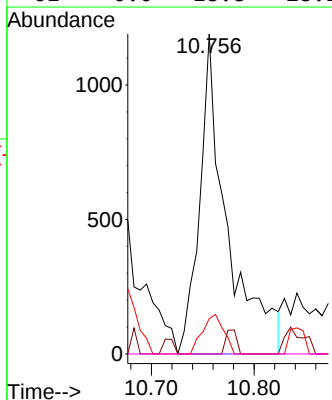
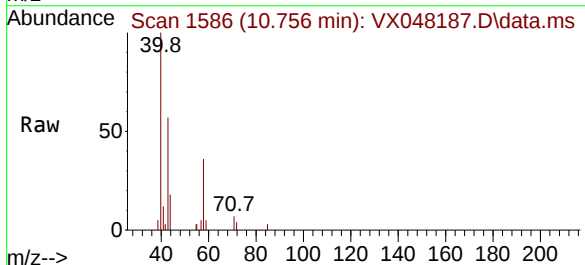
Instrument :
MSVOA_X
ClientSampleId :

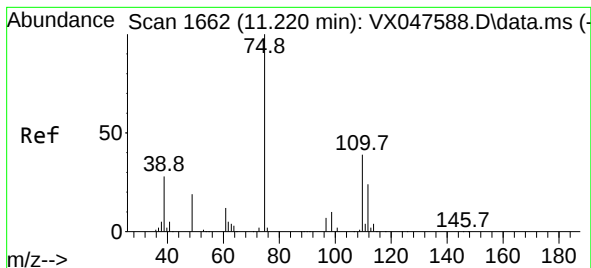
Tgt Ion:152 Resp: 142742
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 157.1 0.0 352.0



#74
N-ethyl acetate
Concen: 0.447 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.073 min
Lab File: VX048187.D
Acq: 15 Oct 2025 13:54

Tgt Ion: 43 Resp: 2212
Ion Ratio Lower Upper
43 100
70 0.0 32.0 48.0#
55 9.5 18.9 28.3#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.468 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048187.D

Acq: 15 Oct 2025 13:54

Instrument :

MSVOA_X

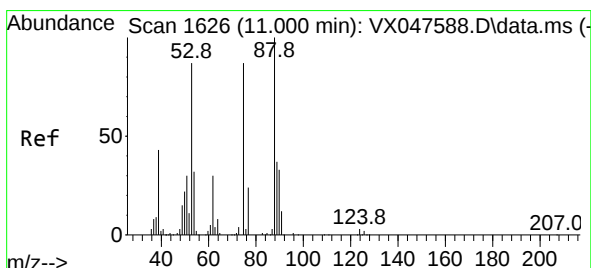
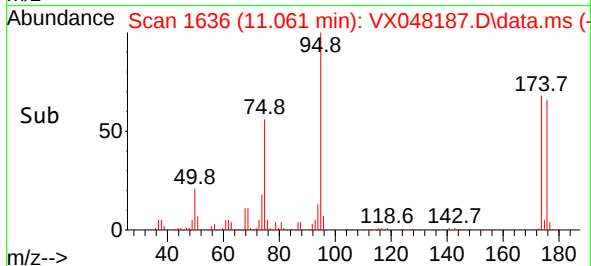
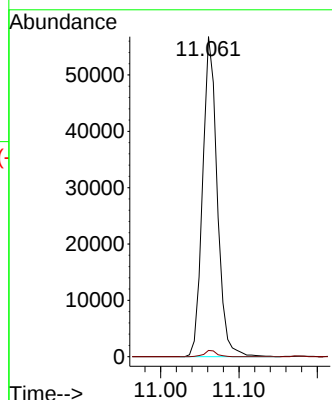
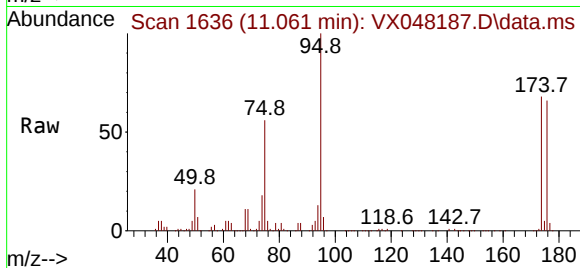
ClientSampleId :

Tgt Ion: 75 Resp: 73604

Ion Ratio Lower Upper

75 100

77 1.7 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.947 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048187.D

Acq: 15 Oct 2025 13:54

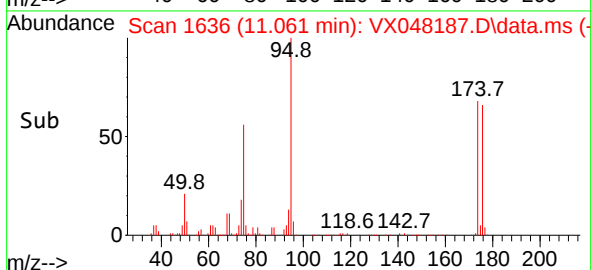
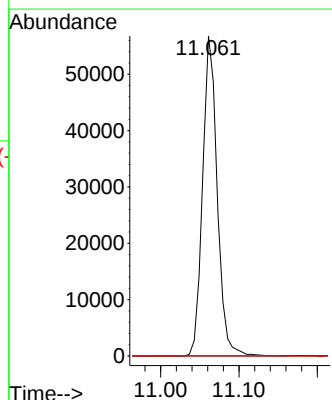
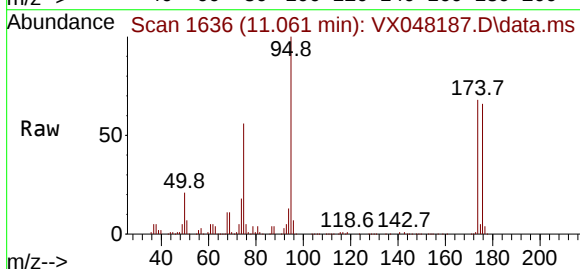
Tgt Ion: 75 Resp: 73604

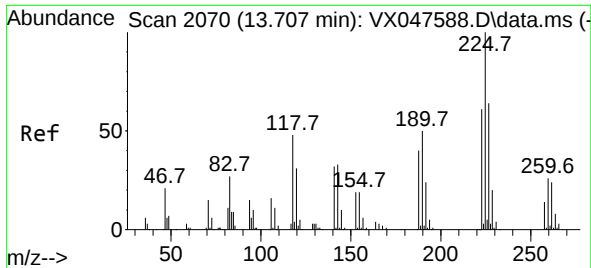
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

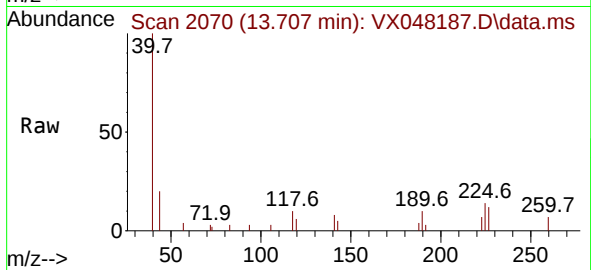
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.328 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX048187.D
 Acq: 15 Oct 2025 13:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	342
Ion	Ratio	Lower	Upper
225	100		
223	58.5	31.7	95.1
227	62.9	32.0	96.0

