

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048867.D
 Acq On : 15 Dec 2025 09:42
 Operator : JC/MD
 Sample : VX1215MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215MBL01

Quant Time: Dec 16 00:11:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

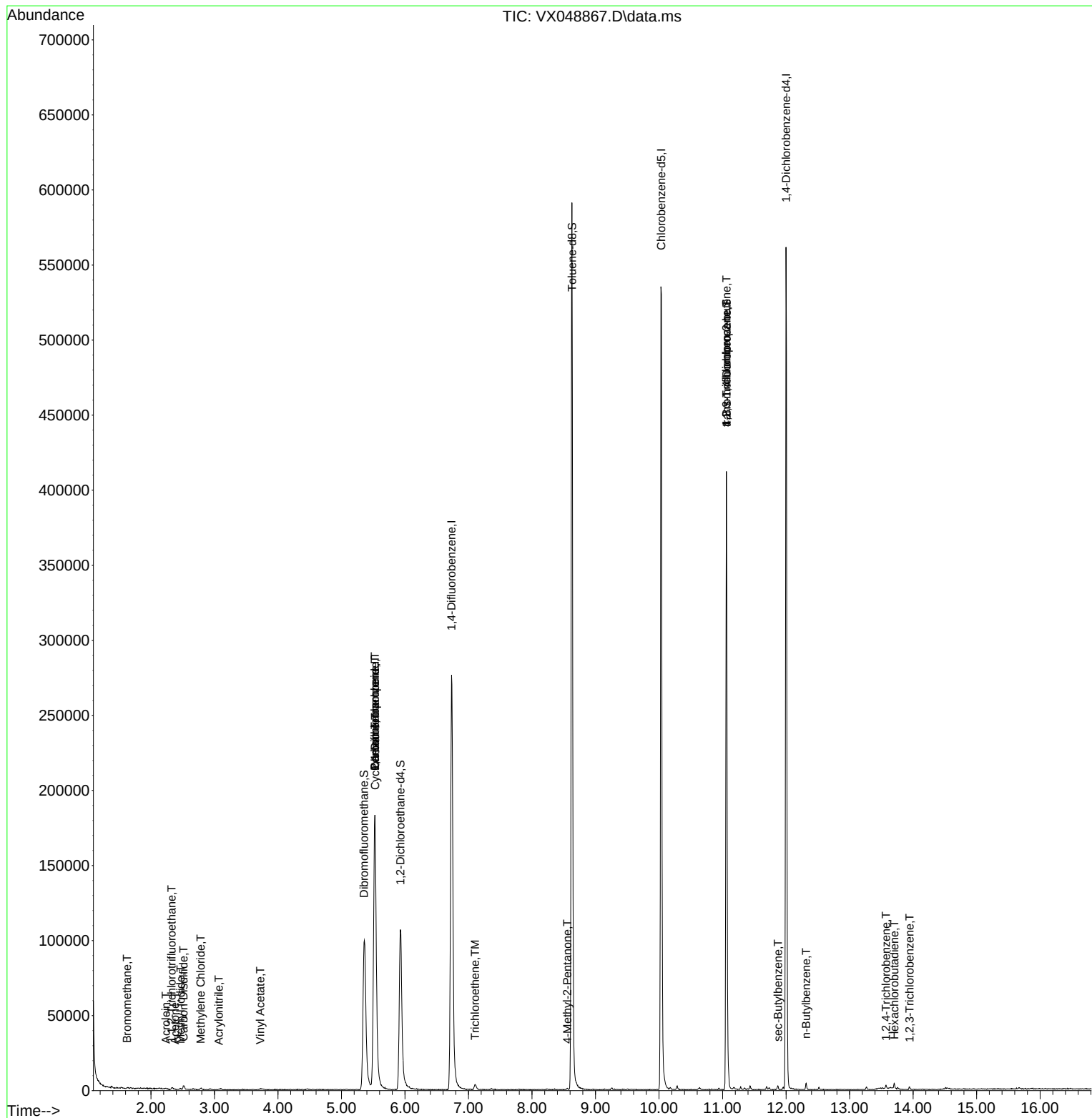
Internal Standards						
1) Pentafluorobenzene	5.525	168	186847	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.732	114	306603	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.037	117	270613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	122517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	118115	47.098	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.200%		
35) Dibromofluoromethane	5.355	113	102244	48.432	ug/l	-0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.860%		
50) Toluene-d8	8.628	98	368698	49.824	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.640%		
62) 4-Bromofluorobenzene	11.061	95	114320	44.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.600%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	444	0.281	ug/l #	72
9) 1,1,2-Trichlorotrifluo...	2.325	101	598	0.281	ug/l #	91
10) Methyl Iodide	2.465	142	1359	0.449	ug/l #	90
13) Acrolein	2.233	56	159	40.519	ug/l	83
15) Acrylonitrile	3.068	53	293	0.232	ug/l #	55
16) Acetone	2.380	43	398	0.415	ug/l #	43
17) Carbon Disulfide	2.514	76	3816	0.606	ug/l #	93
20) Methylene Chloride	2.782	84	555	0.231	ug/l #	80
23) Vinyl Acetate	3.721	43	1390	0.243	ug/l #	70
31) Cyclohexane	5.531	56	4159	1.227	ug/l #	24
36) 1,1-Dichloropropene	5.525	75	14992	5.185	ug/l #	49
38) Carbon Tetrachloride	5.525	117	19876	6.069	ug/l #	13
44) Trichloroethene	7.104	130	1658	0.741	ug/l	88
51) 4-Methyl-2-Pentanone	8.555	43	726	0.224	ug/l #	70
76) 1,2,3-Trichloropropane	11.061	75	59182	25.935	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	59182	61.606	ug/l #	3
85) sec-Butylbenzene	11.872	105	1815	0.212	ug/l	92
89) n-Butylbenzene	12.317	91	1705	0.249	ug/l	95
93) 1,2,4-Trichlorobenzene	13.573	180	806	0.310	ug/l	86
94) Hexachlorobutadiene	13.707	225	523	0.486	ug/l	94
95) Naphthalene	13.756	128	1129	Below Cal	#	86
96) 1,2,3-Trichlorobenzene	13.945	180	572	0.238	ug/l	92

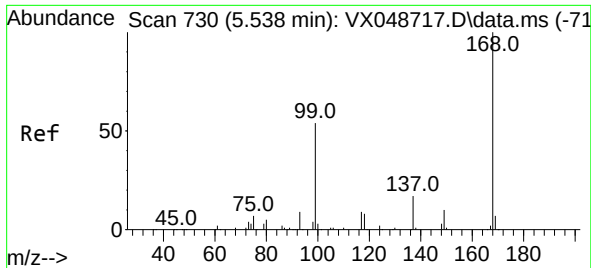
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
Data File : VX048867.D
Acq On : 15 Dec 2025 09:42
Operator : JC/MD
Sample : VX1215MBL01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

Quant Time: Dec 16 00:11:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

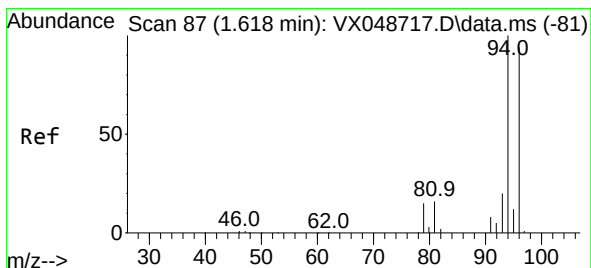
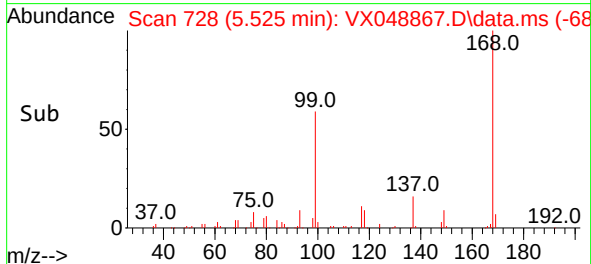
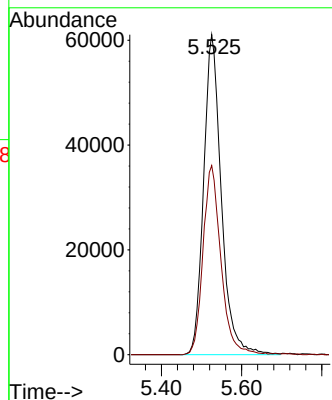
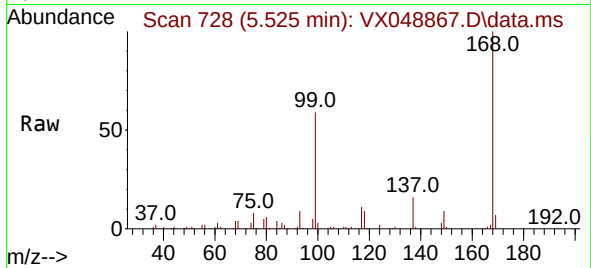




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

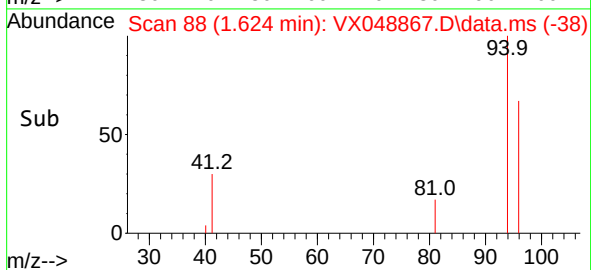
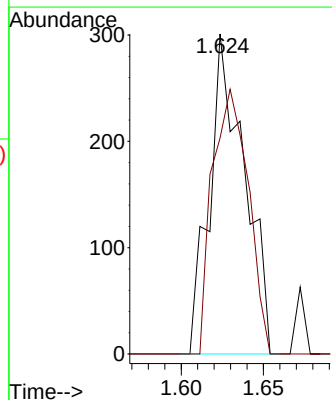
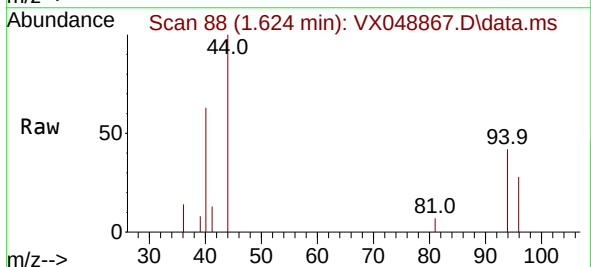
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

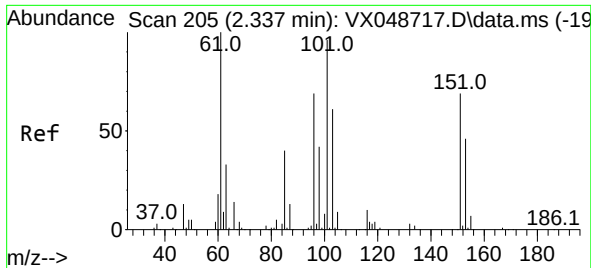
Tgt Ion:168 Resp: 186847
Ion Ratio Lower Upper
168 100
99 59.1 44.2 66.4



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 67.4 75.2 112.8#

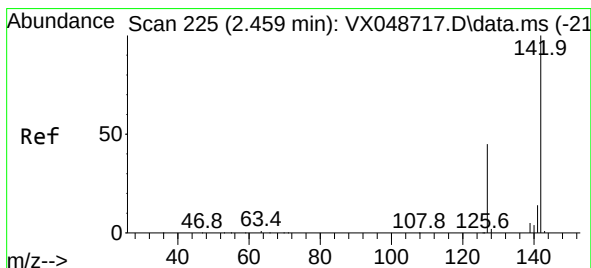
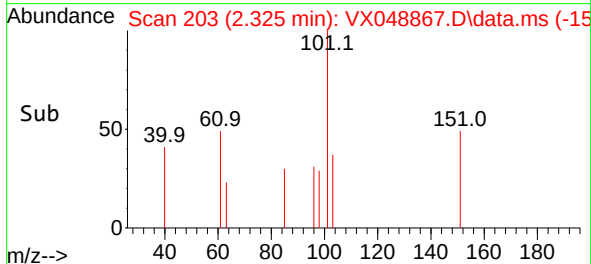
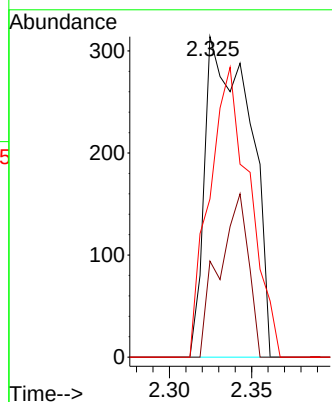
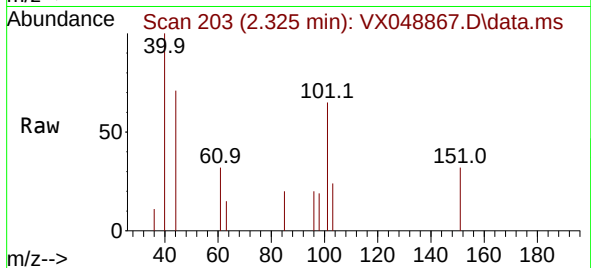




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.281 ug/l
RT: 2.325 min Scan# 205
Delta R.T. -0.012 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

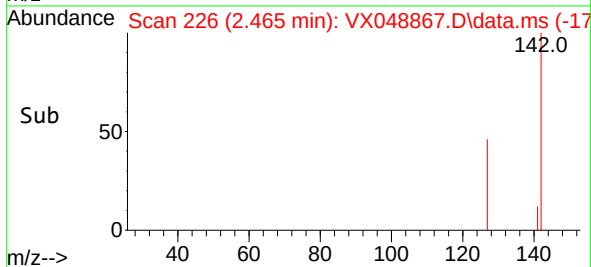
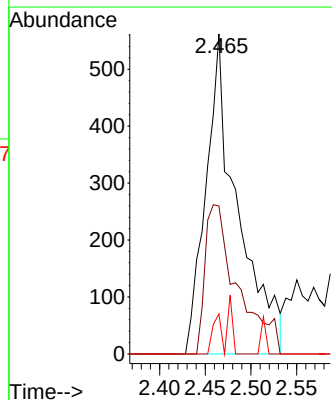
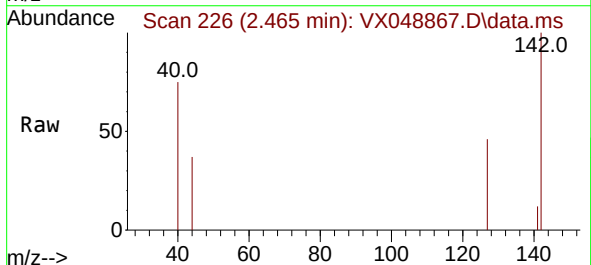
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

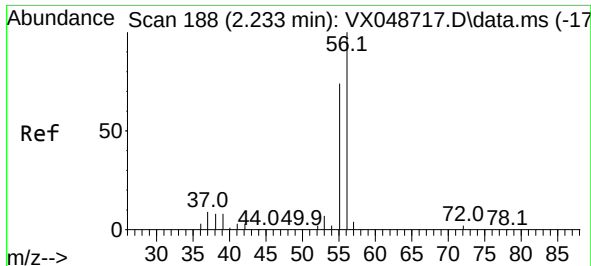
Tgt Ion:101 Resp: 598
Ion Ratio Lower Upper
101 100
85 33.3 34.2 51.2#
151 80.4 60.2 90.4



#10
Methyl Iodide
Concen: 0.449 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion:142 Resp: 1359
Ion Ratio Lower Upper
142 100
127 47.6 35.8 53.6
141 3.3 11.1 16.7#

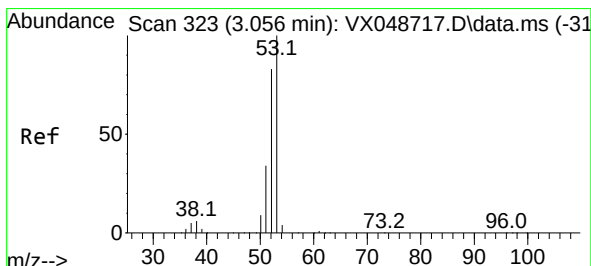
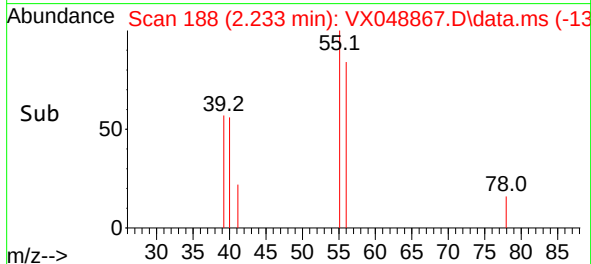
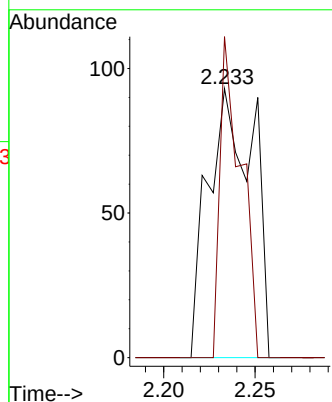
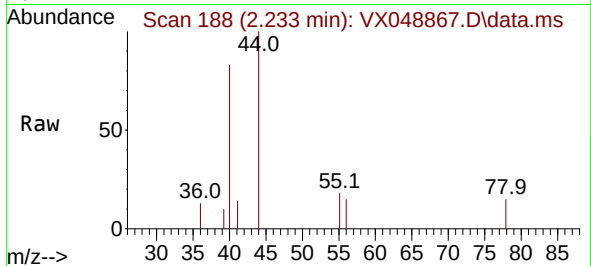




#13
Acrolein
Concen: 40.519 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

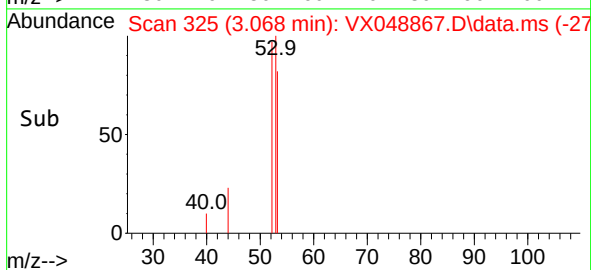
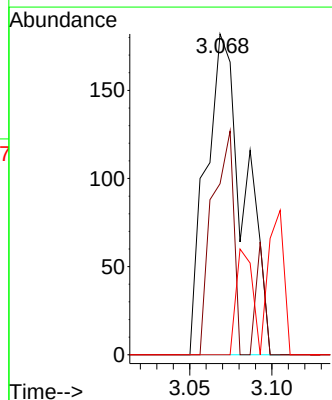
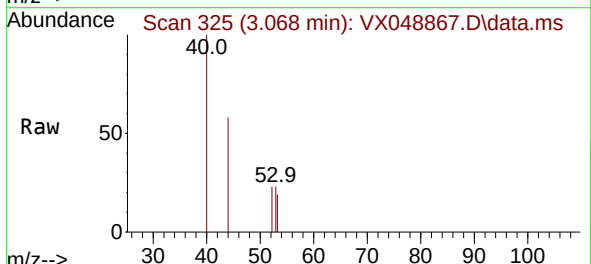
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

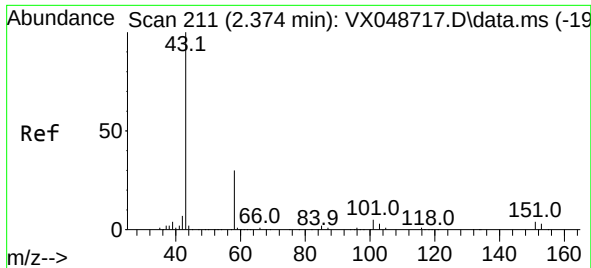
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 56.0 55.8 83.6



#15
Acrylonitrile
Concen: 0.232 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.012 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion: 53 Resp: 293
Ion Ratio Lower Upper
53 100
52 38.9 66.3 99.5#
51 14.0 28.7 43.1#

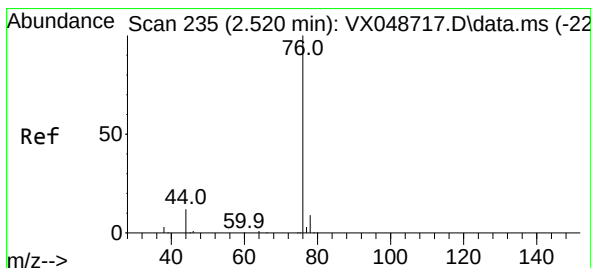
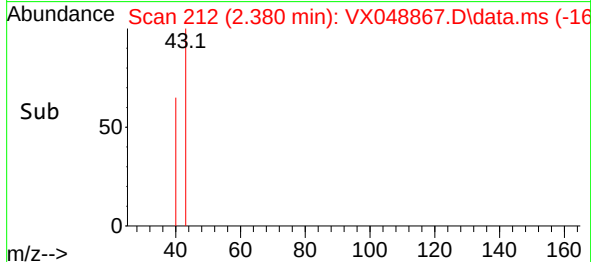
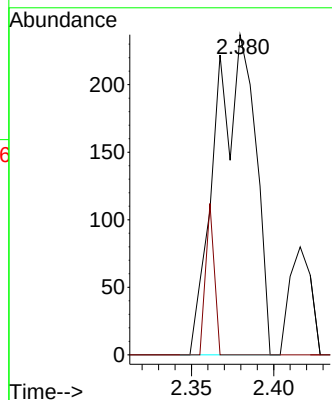
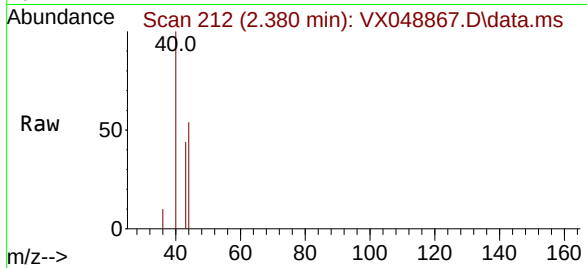




#16
Acetone
Concen: 0.415 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

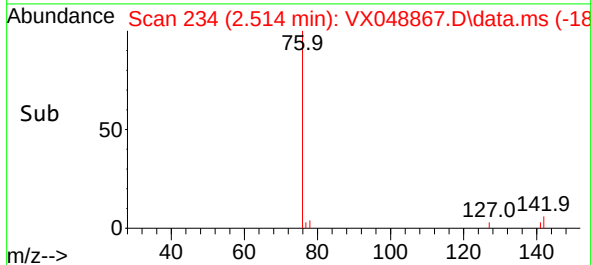
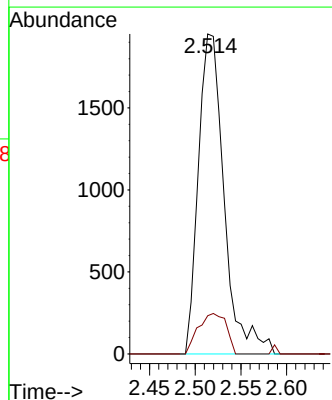
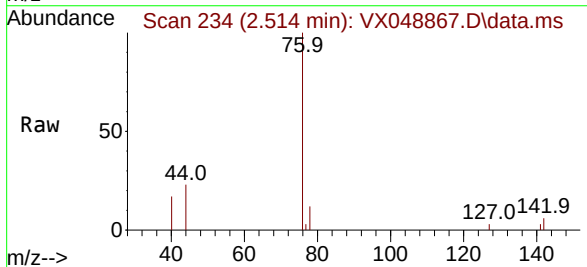
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

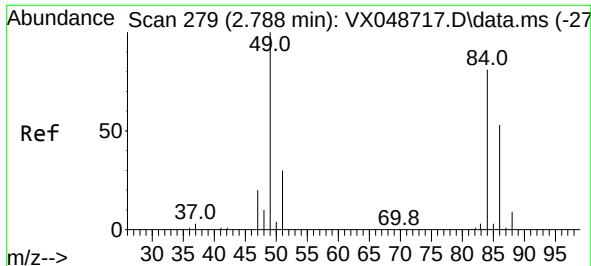
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#



#17
Carbon Disulfide
Concen: 0.606 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

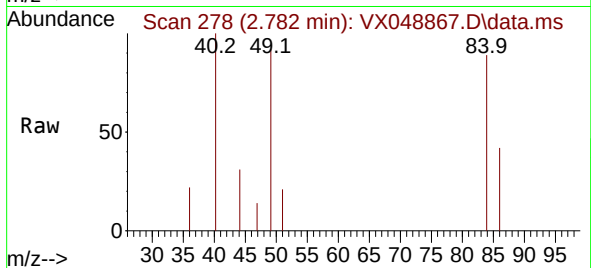
Tgt Ion: 76 Resp: 3816
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.2#



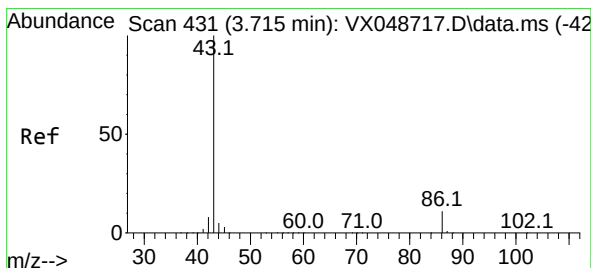
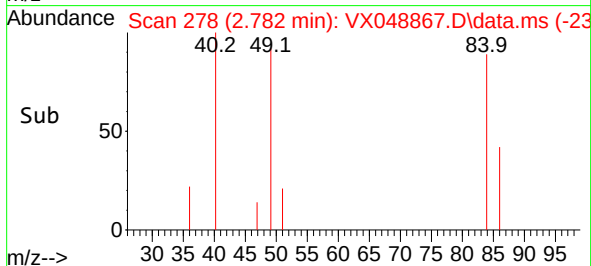
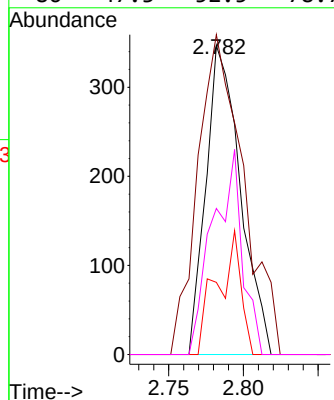


#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

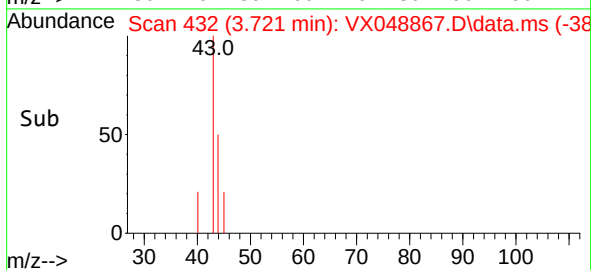
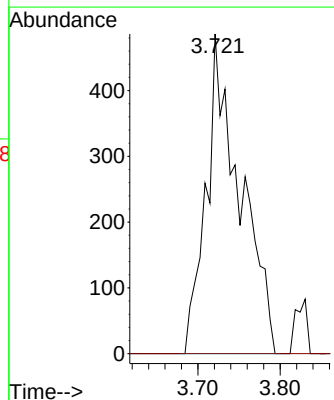
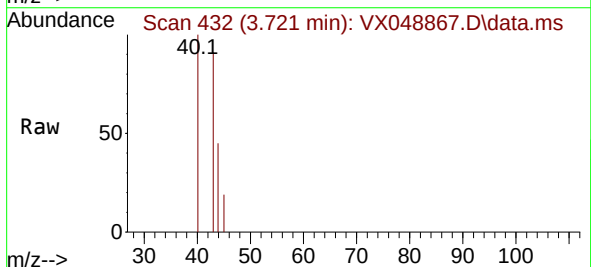


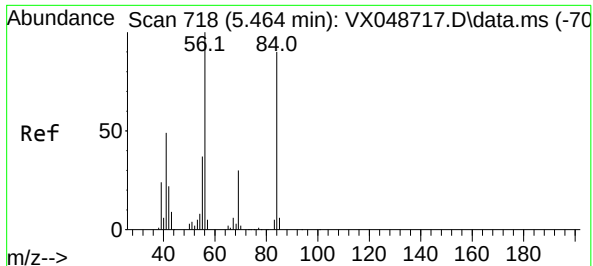
Tgt Ion:	84	Resp:	555
Ion	Ratio	Lower	Upper
84	100		
49	103.5	98.7	148.1
51	23.3	29.4	44.2#
86	47.3	52.5	78.7#



#23
Vinyl Acetate
Concen: 0.243 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion:	43	Resp:	1390
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.2	13.8#

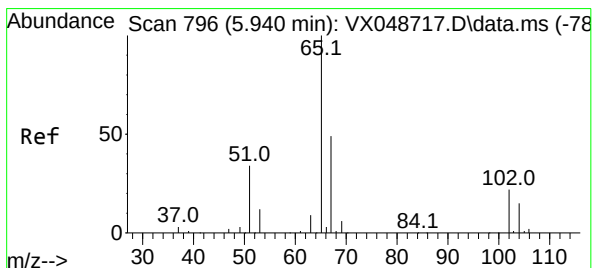
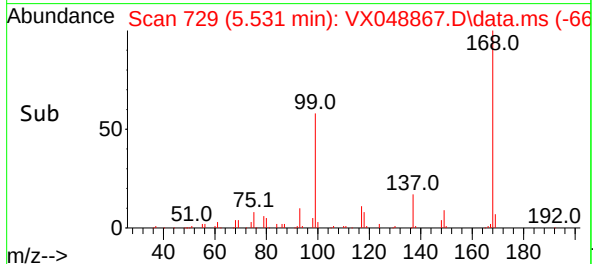
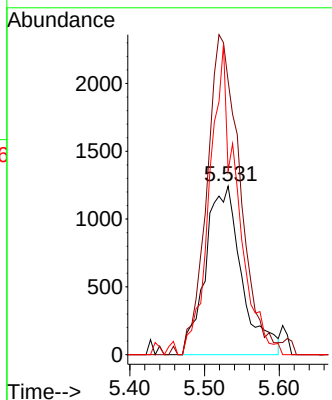
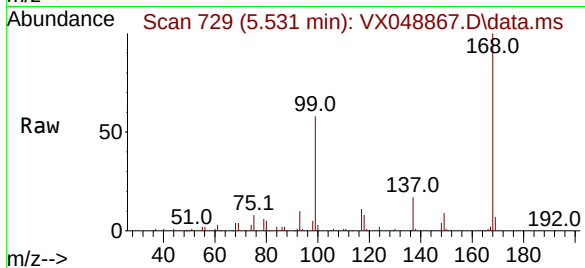




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

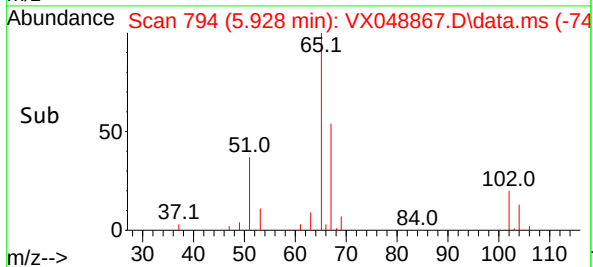
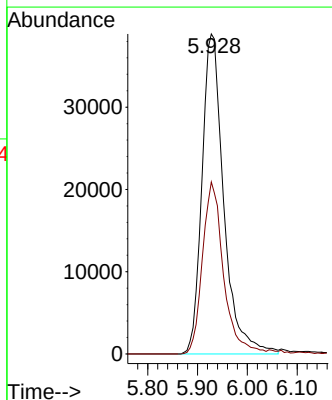
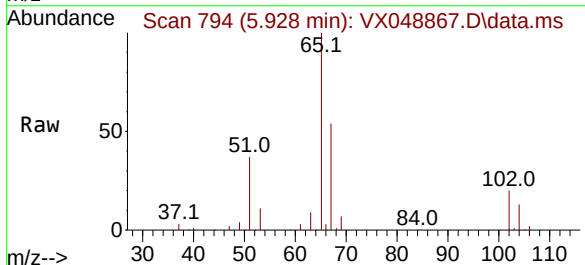
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

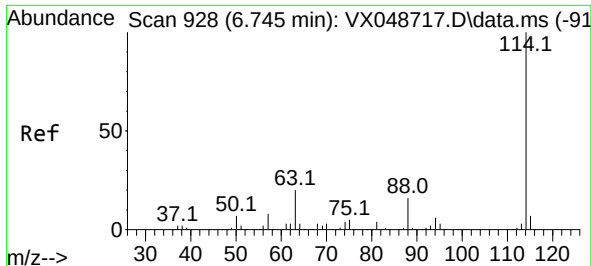
Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 162.4 24.2 36.2#
84 109.2 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 47.098 ug/l
RT: 5.928 min Scan# 794
Delta R.T. -0.012 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion: 65 Resp: 118115
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

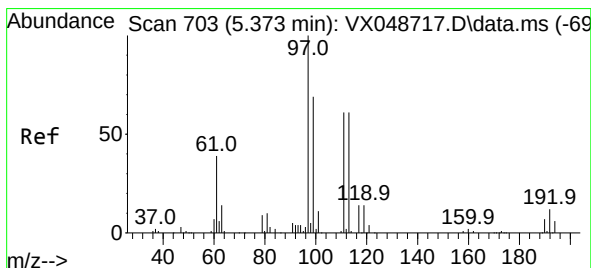
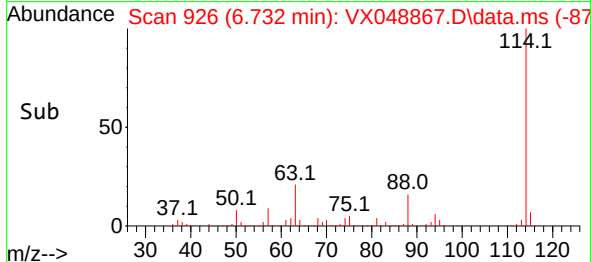
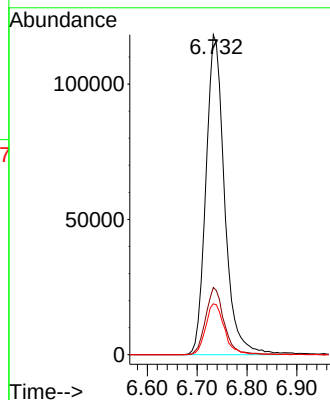
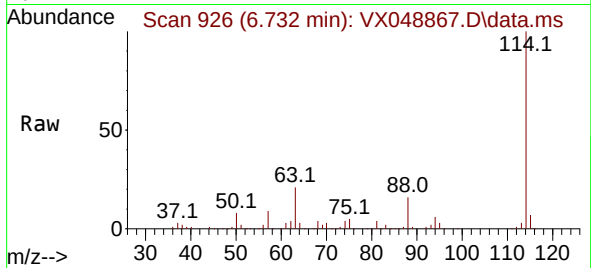




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.732 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

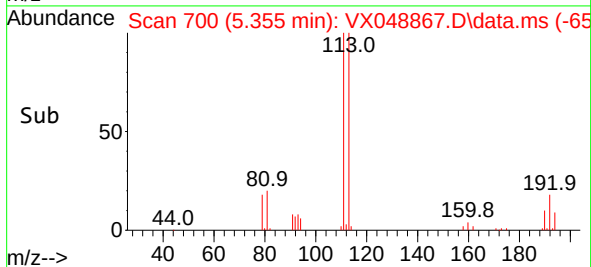
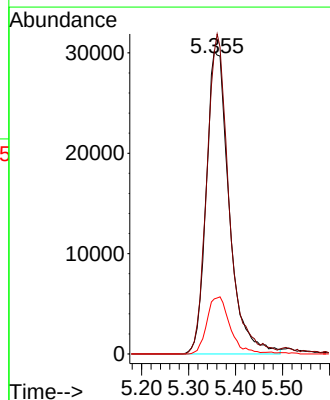
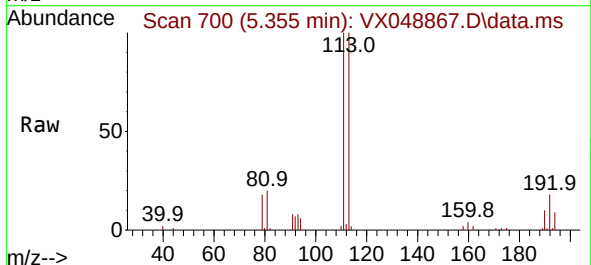
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

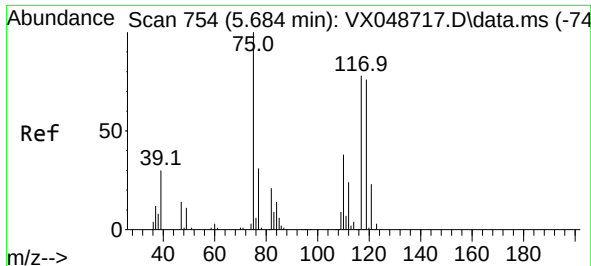
Tgt Ion:114 Resp: 306603
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.0
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.432 ug/l
RT: 5.355 min Scan# 700
Delta R.T. -0.018 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion:113 Resp: 102244
Ion Ratio Lower Upper
113 100
111 102.0 79.5 119.3
192 18.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 5.525 min Scan# 71

Delta R.T. -0.159 min

Lab File: VX048867.D

Acq: 15 Dec 2025 09:42

Instrument :

MSVOA_X

ClientSampleId :

VX1215MBL01

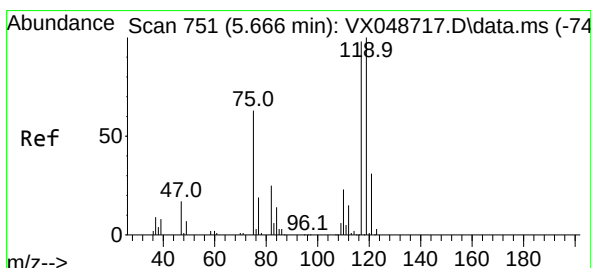
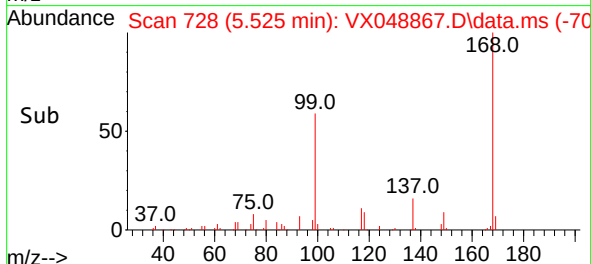
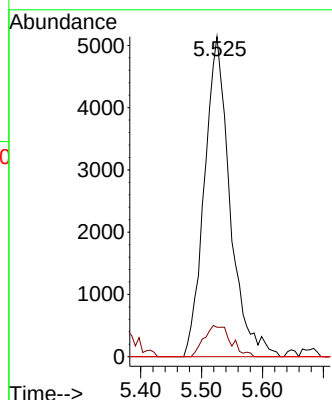
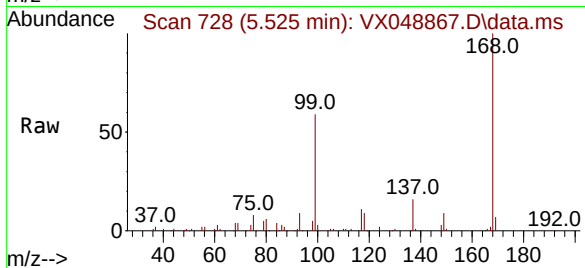
Tgt Ion: 75 Resp: 14992

Ion Ratio Lower Upper

75 100

110 10.2 18.6 55.8#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 5.525 min Scan# 728

Delta R.T. -0.140 min

Lab File: VX048867.D

Acq: 15 Dec 2025 09:42

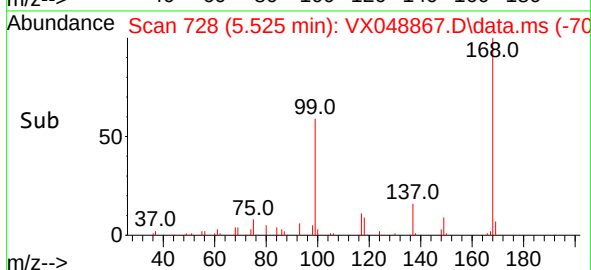
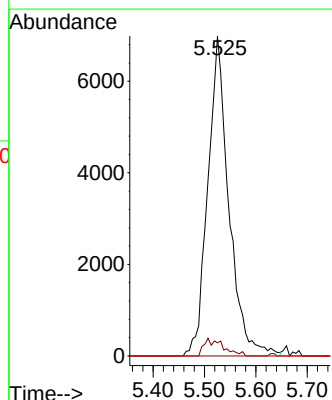
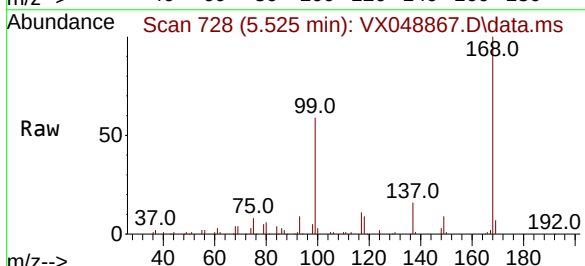
Tgt Ion: 117 Resp: 19876

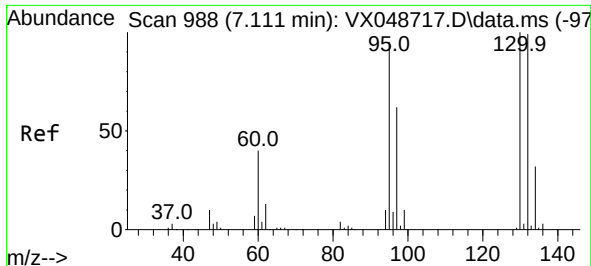
Ion Ratio Lower Upper

117 100

119 4.1 80.5 120.7#

121 0.0 25.4 38.0#

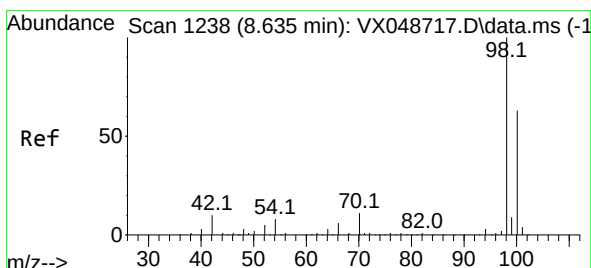
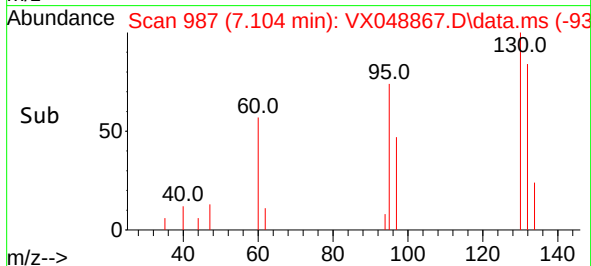
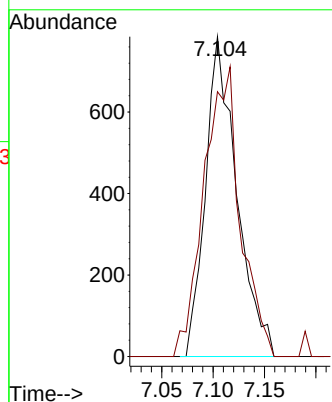
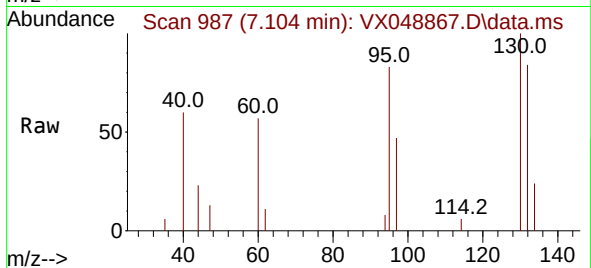




#44
 Trichloroethene
 Concen: 0.741 ug/l
 RT: 7.104 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX048867.D
 Acq: 15 Dec 2025 09:42

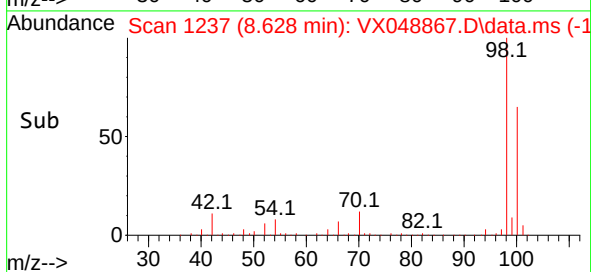
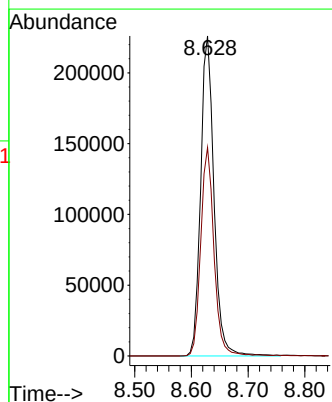
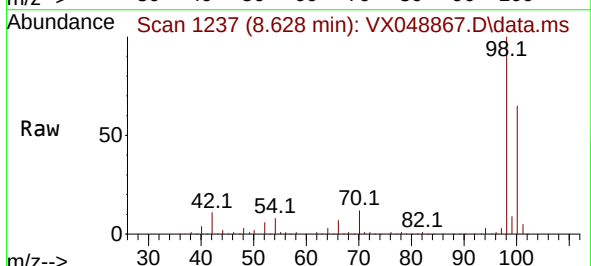
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215MBL01

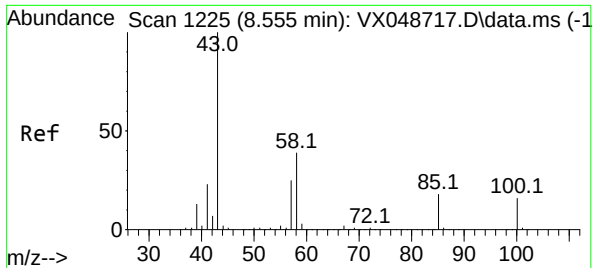
Tgt Ion:130 Resp: 1658
 Ion Ratio Lower Upper
 130 100
 95 82.8 0.0 189.6



#50
 Toluene-d8
 Concen: 49.824 ug/l
 RT: 8.628 min Scan# 1237
 Delta R.T. -0.006 min
 Lab File: VX048867.D
 Acq: 15 Dec 2025 09:42

Tgt Ion: 98 Resp: 368698
 Ion Ratio Lower Upper
 98 100
 100 64.7 53.4 80.0

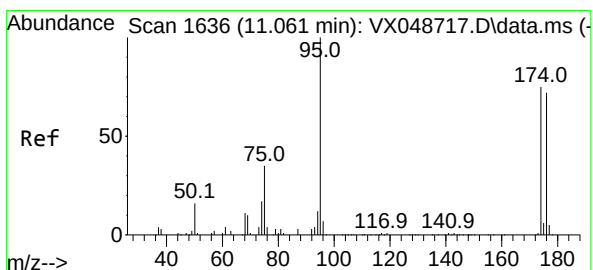
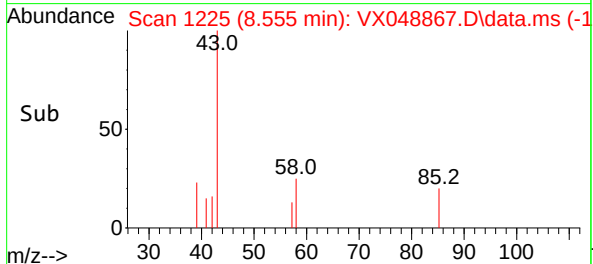
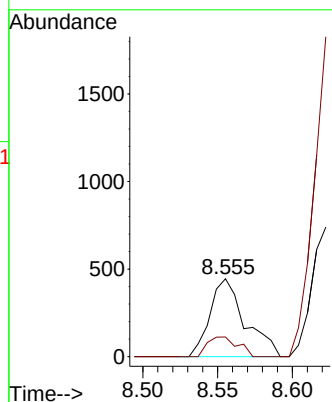
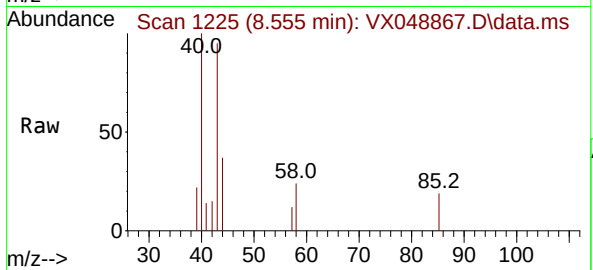




#51
4-Methyl-2-Pentanone
Concen: 0.224 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

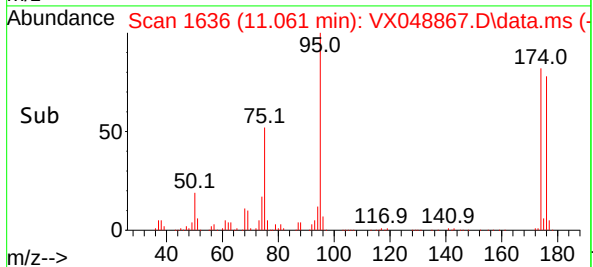
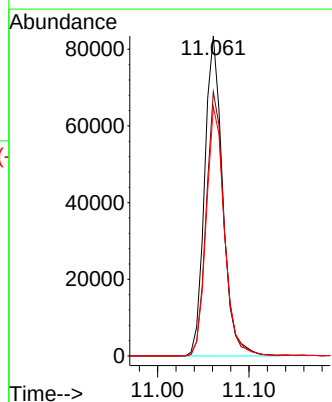
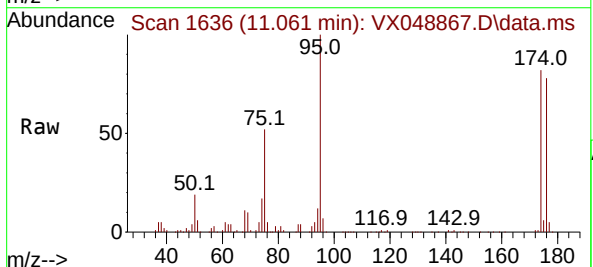
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

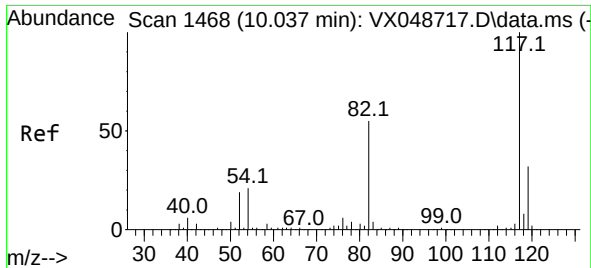
Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
58 21.8 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 44.801 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion: 95 Resp: 114320
Ion Ratio Lower Upper
95 100
174 82.2 0.0 157.8
176 78.6 0.0 154.0

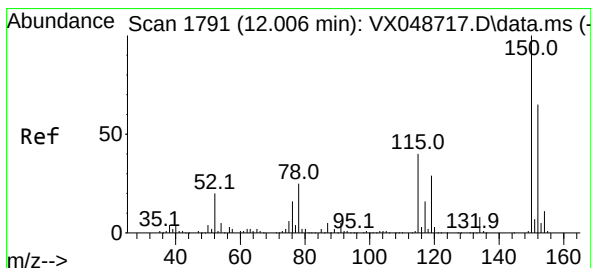
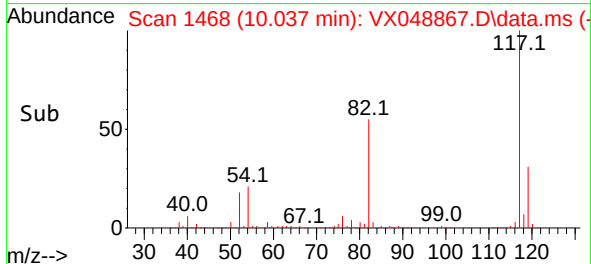
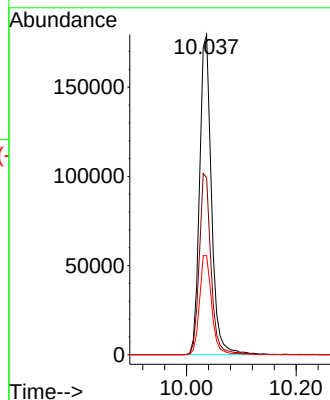
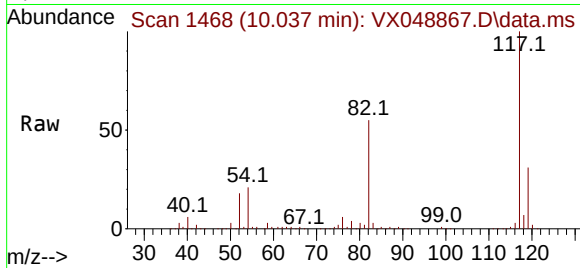




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

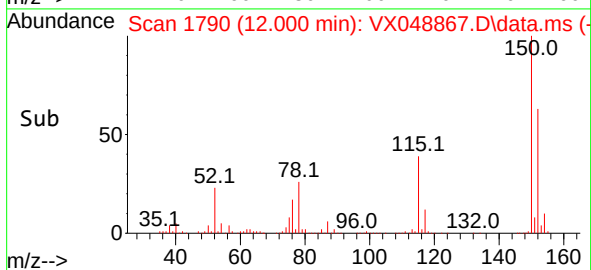
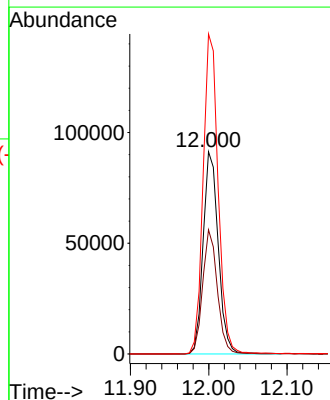
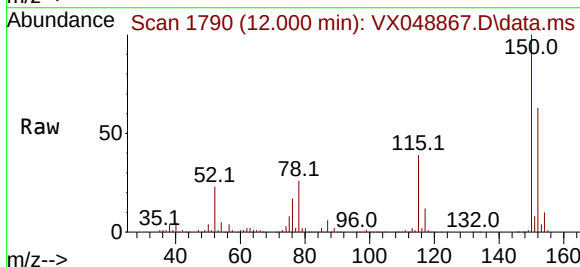
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

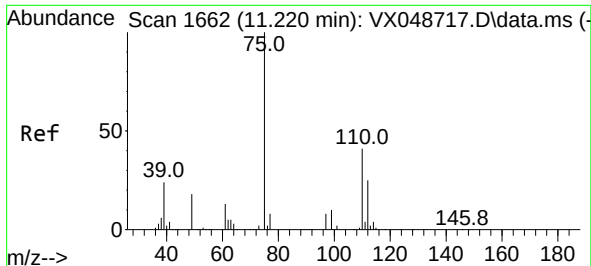
Tgt Ion:117 Resp: 270613
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 31.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion:152 Resp: 122517
Ion Ratio Lower Upper
152 100
115 59.6 42.1 126.4
150 157.4 0.0 347.8

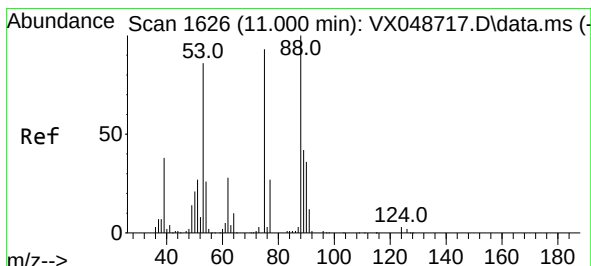
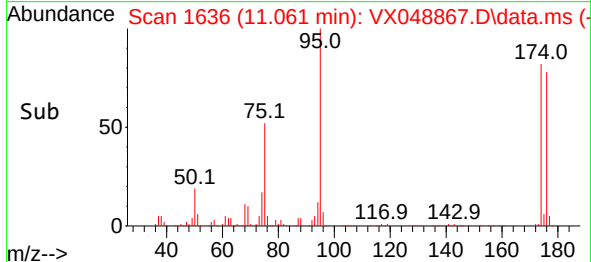
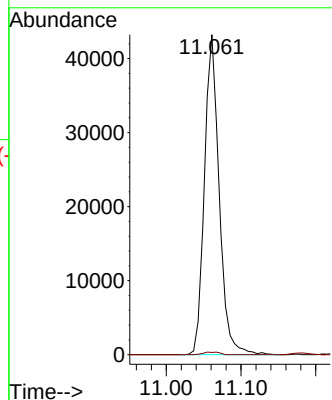
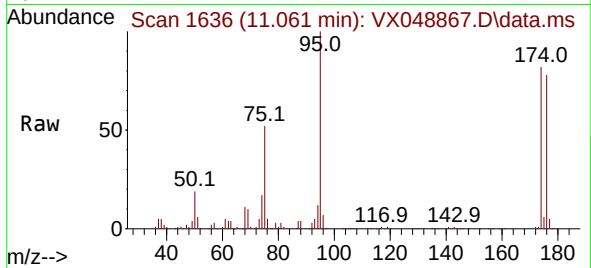




#76
1,2,3-Trichloropropane
Concen: 25.935 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

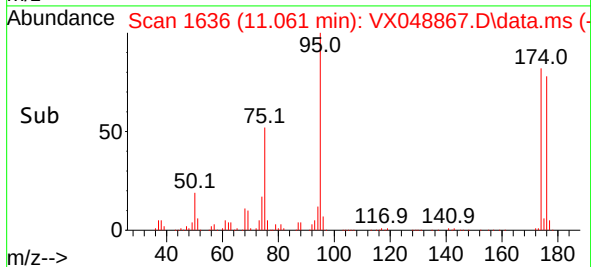
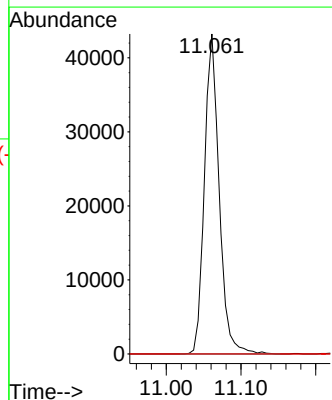
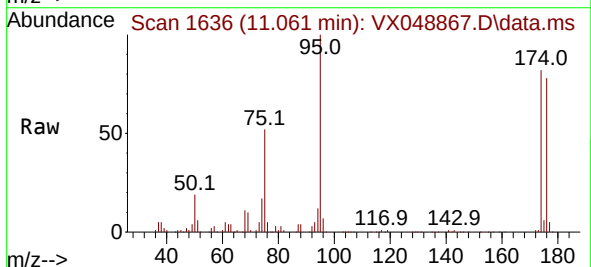
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

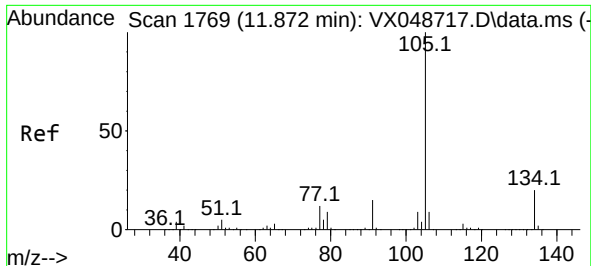
Tgt Ion: 75 Resp: 59182
Ion Ratio Lower Upper
75 100
77 0.9 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.606 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

Tgt Ion: 75 Resp: 59182
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#

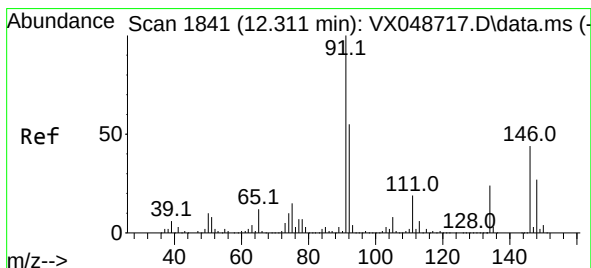
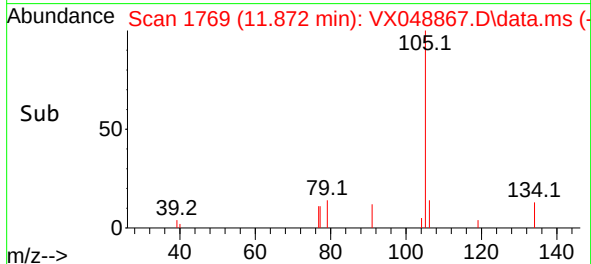
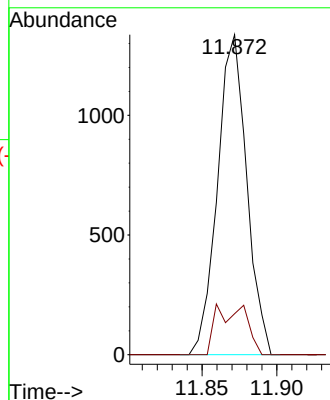
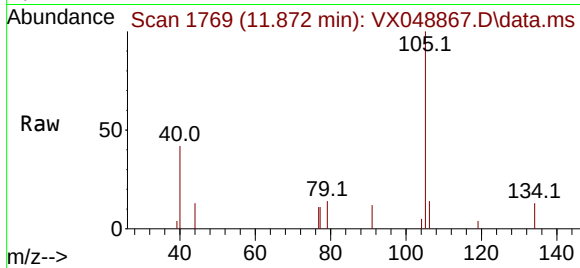




#85
 sec-Butylbenzene
 Concen: 0.212 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX048867.D
 Acq: 15 Dec 2025 09:42

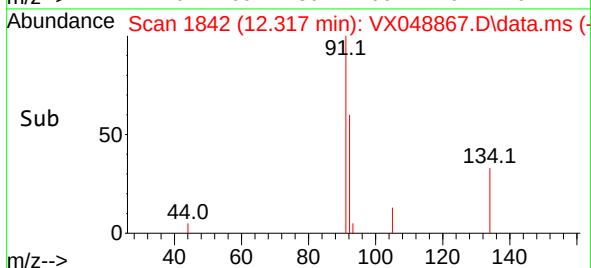
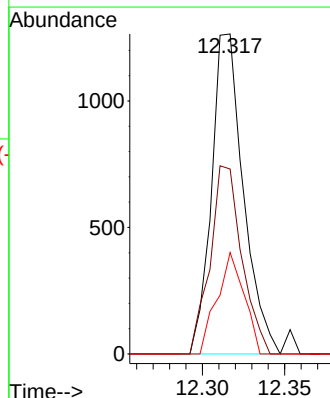
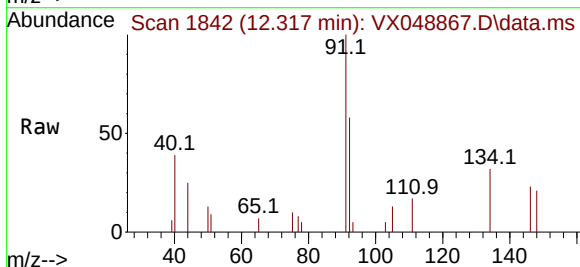
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215MBL01

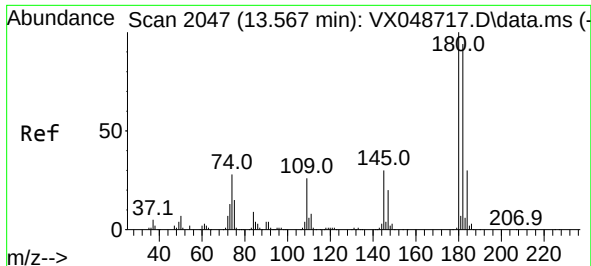
Tgt Ion:105 Resp: 1815
 Ion Ratio Lower Upper
 105 100
 134 16.0 9.8 29.5



#89
 n-Butylbenzene
 Concen: 0.249 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. 0.006 min
 Lab File: VX048867.D
 Acq: 15 Dec 2025 09:42

Tgt Ion: 91 Resp: 1705
 Ion Ratio Lower Upper
 91 100
 92 58.4 27.1 81.3
 134 26.8 12.9 38.6

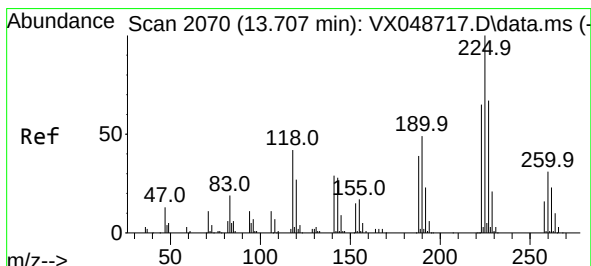
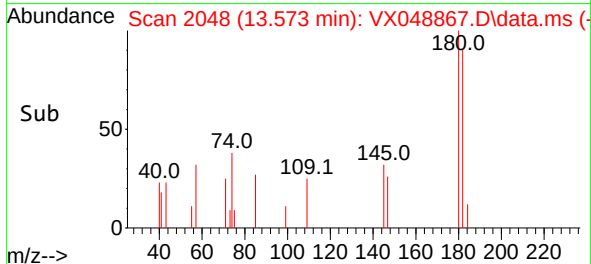
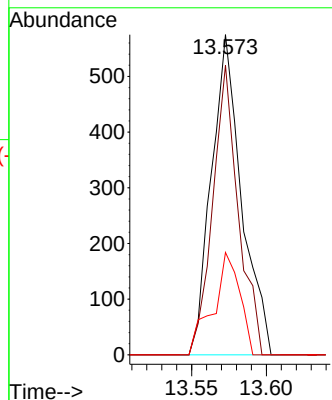
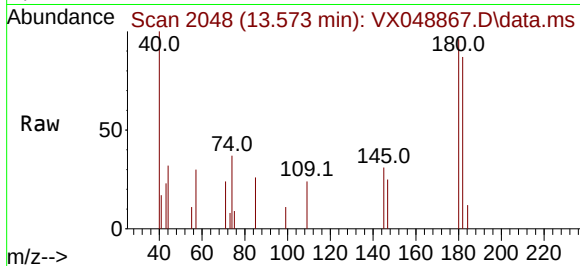




#93
1,2,4-Trichlorobenzene
Concen: 0.310 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

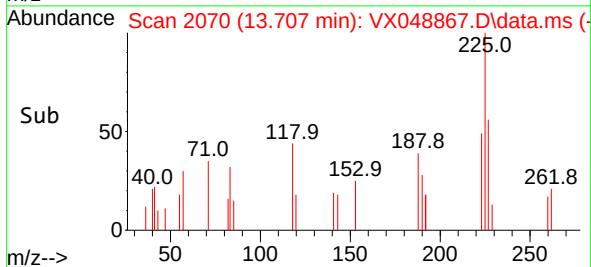
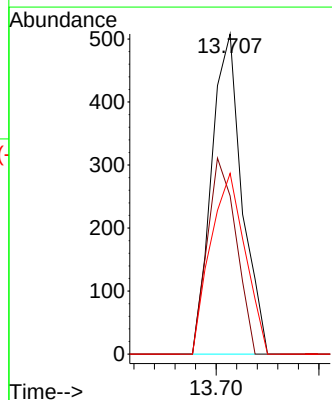
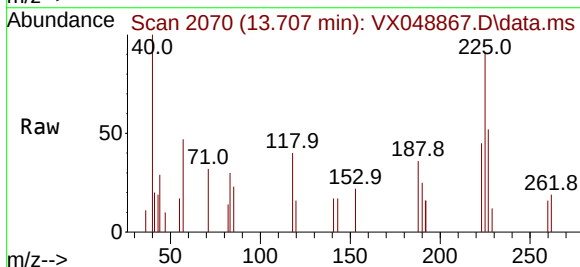
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01

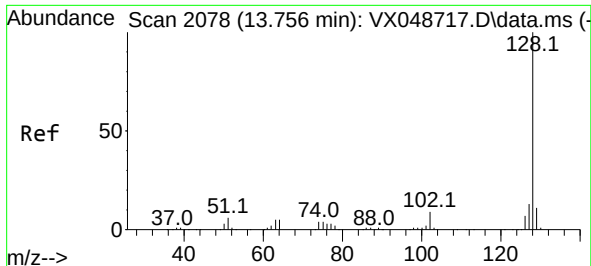
Tgt Ion:180 Resp: 806
Ion Ratio Lower Upper
180 100
182 76.6 46.9 140.8
145 28.4 15.1 45.3



#94
Hexachlorobutadiene
Concen: 0.486 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

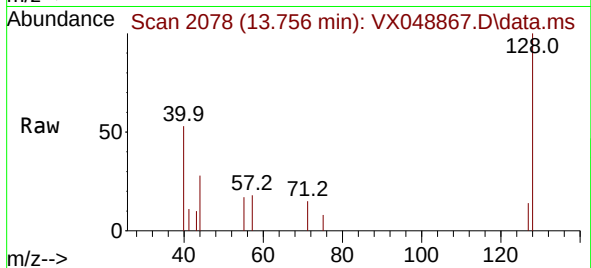
Tgt Ion:225 Resp: 523
Ion Ratio Lower Upper
225 100
223 57.9 33.0 98.9
227 64.4 32.9 98.7



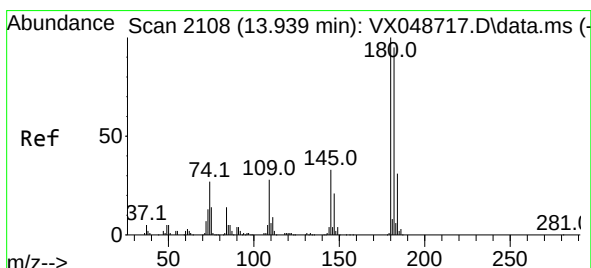
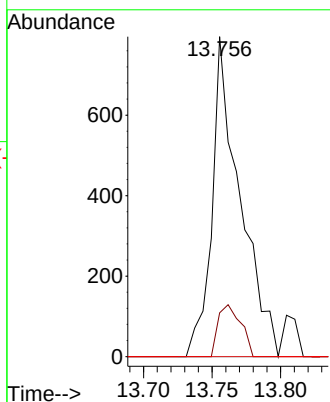
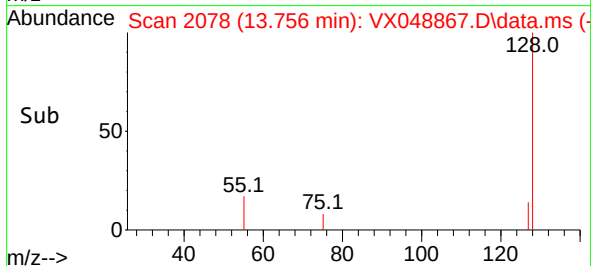


#95
Naphthalene
Concen: Below Cal
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42

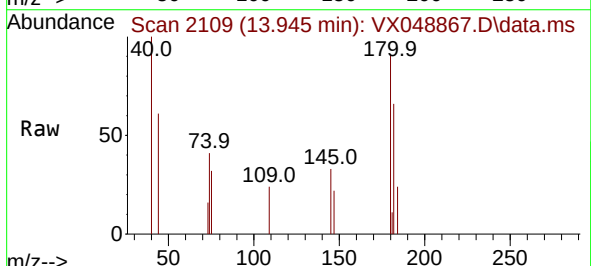
Instrument :
MSVOA_X
ClientSampleId :
VX1215MBL01



Tgt Ion:128 Resp: 1129
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.238 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048867.D
Acq: 15 Dec 2025 09:42



Tgt Ion:180 Resp: 572
Ion Ratio Lower Upper
180 100
182 86.7 48.0 144.2
145 31.1 16.6 49.8

