

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048895.D
 Acq On : 16 Dec 2025 18:29
 Operator : JC/MD
 Sample : VX1216WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL02

Quant Time: Dec 17 03:27:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

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

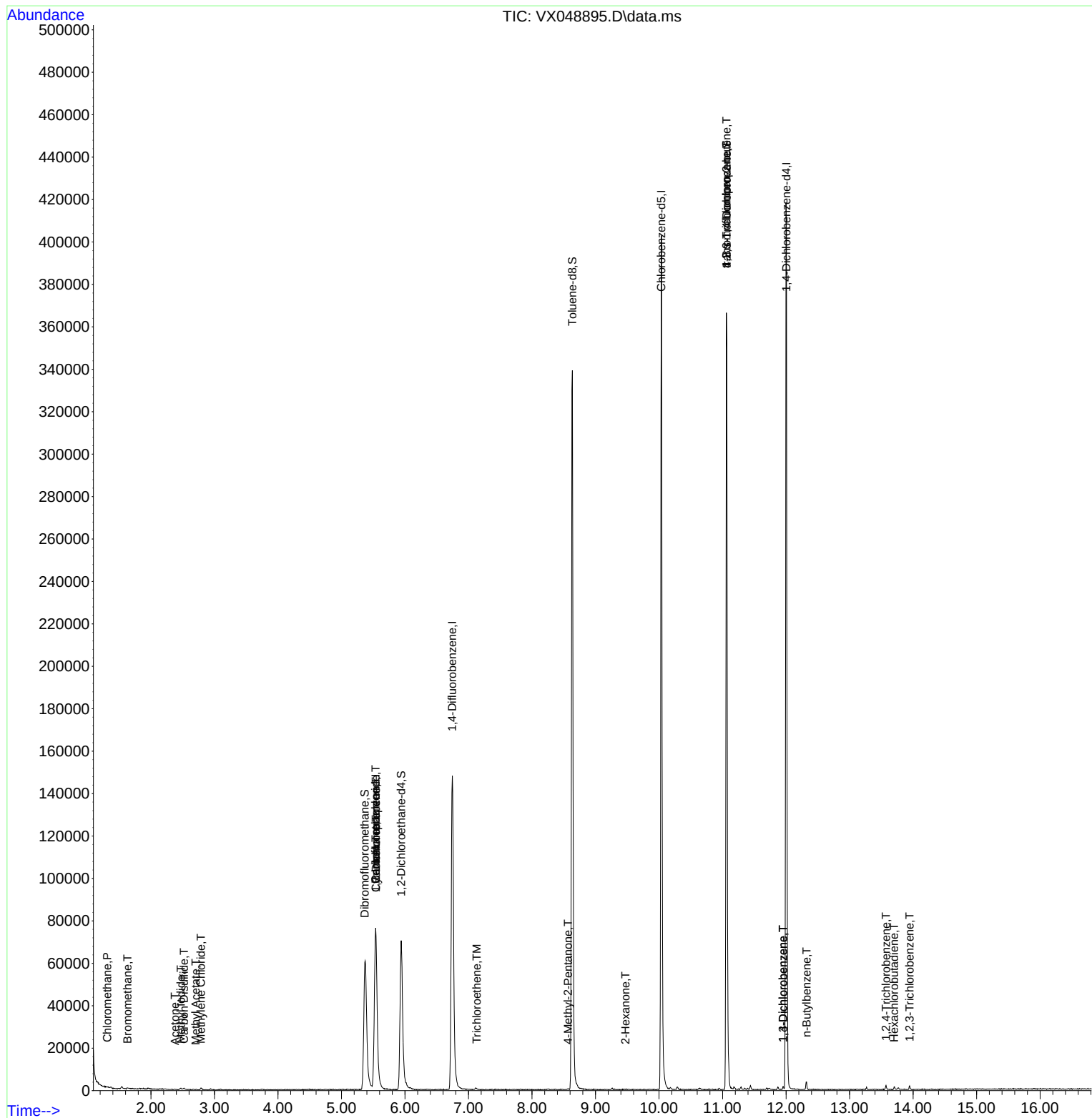
Internal Standards						
1) Pentafluorobenzene	5.538	168	77608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	166359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	179509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	90797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	75414	58.134	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.260%			
35) Dibromofluoromethane	5.367	113	61771	49.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.920%			
50) Toluene-d8	8.635	98	217522	49.274	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.540%			
62) 4-Bromofluorobenzene	11.061	95	102248	64.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 129.020%#			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	356	0.319	ug/l #	42
5) Bromomethane	1.630	94	404	0.592	ug/l #	76
10) Methyl Iodide	2.471	142	1113	0.952	ug/l #	87
16) Acetone	2.380	43	159	0.582	ug/l #	43
17) Carbon Disulfide	2.520	76	824	0.337	ug/l #	74
18) Methyl Acetate	2.703	43	185	0.210	ug/l #	51
20) Methylene Chloride	2.788	84	387	0.343	ug/l #	76
31) Cyclohexane	5.544	56	1887	1.295	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	6507	4.193	ug/l #	47
38) Carbon Tetrachloride	5.538	117	8102	4.380	ug/l #	12
44) Trichloroethene	7.129	130	334	0.260	ug/l	81
51) 4-Methyl-2-Pentanone	8.568	43	469	0.341	ug/l #	63
59) 2-Hexanone	9.470	43	241	0.258	ug/l #	24
76) 1,2,3-Trichloropropane	11.061	75	54768	37.515	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.061	75	54768	95.279	ug/l #	3
87) 1,3-Dichlorobenzene	11.951	146	724	0.244	ug/l	80
88) 1,4-Dichlorobenzene	11.951	146	724	0.232	ug/l	82
89) n-Butylbenzene	12.323	91	1576	0.310	ug/l	97
93) 1,2,4-Trichlorobenzene	13.573	180	619	0.366	ug/l	99
94) Hexachlorobutadiene	13.701	225	357	0.489	ug/l	79
96) 1,2,3-Trichlorobenzene	13.945	180	547	0.360	ug/l	89

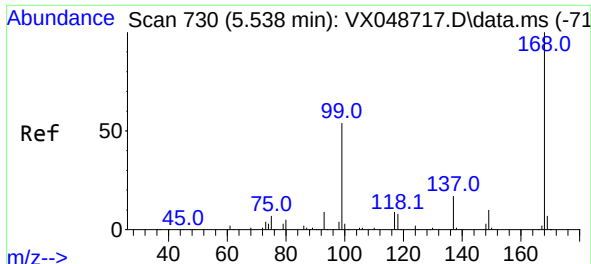
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
Data File : VX048895.D
Acq On : 16 Dec 2025 18:29
Operator : JC/MD
Sample : VX1216WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

Quant Time: Dec 17 03:27:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 17 03:22:16 2025
Response via : Initial Calibration

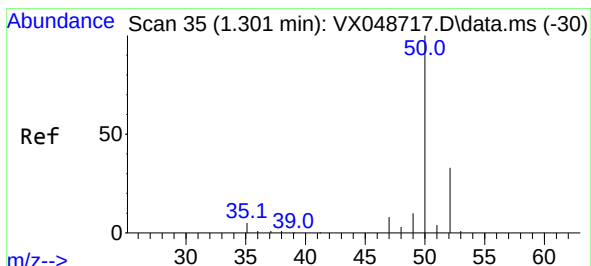
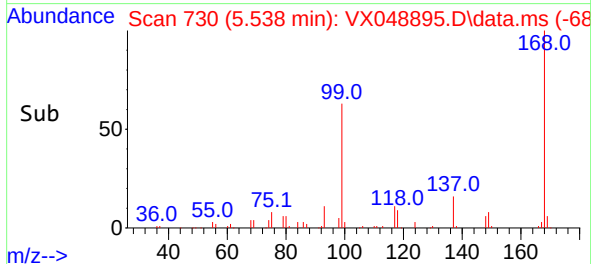
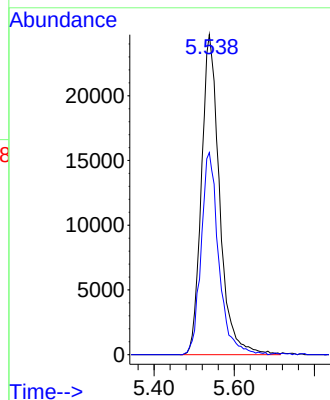
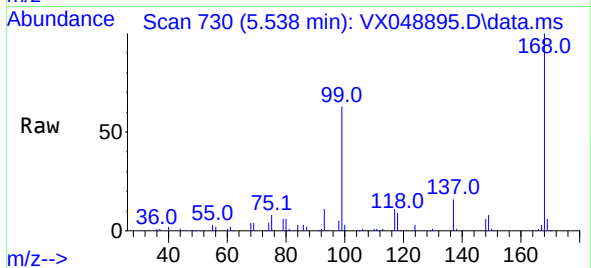




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

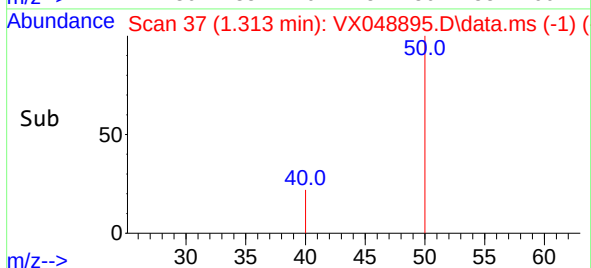
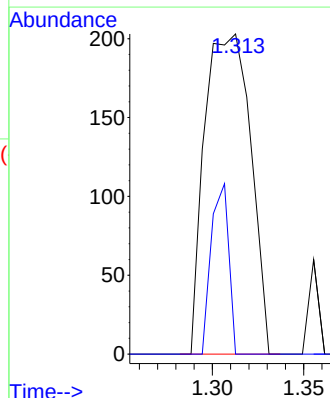
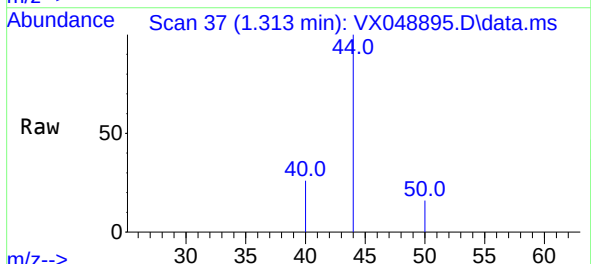
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

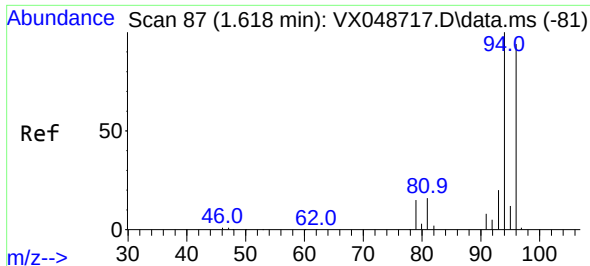
Tgt Ion:168 Resp: 77608
Ion Ratio Lower Upper
168 100
99 63.1 44.2 66.4



#3
Chloromethane
Concen: 0.319 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

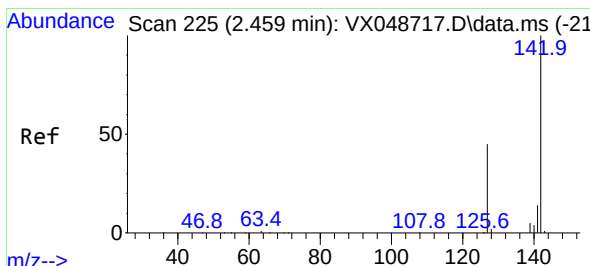
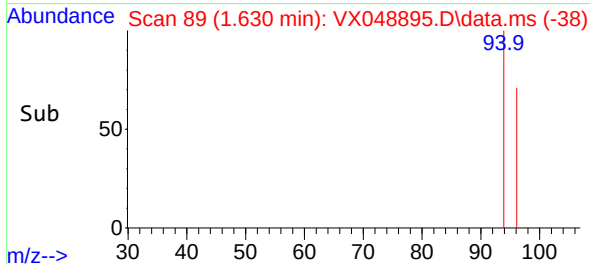
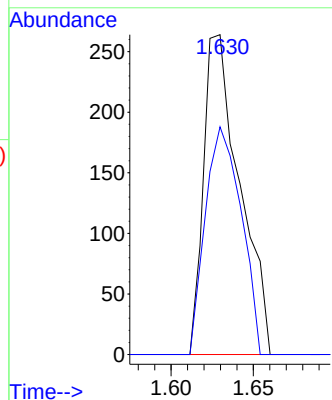
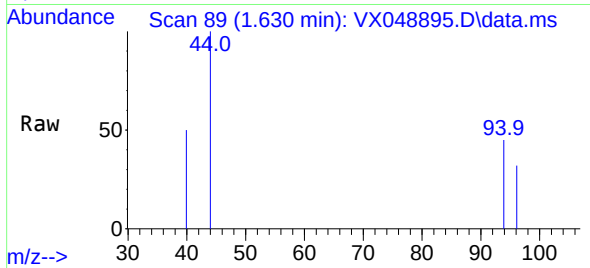




#5
Bromomethane
Concen: 0.592 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

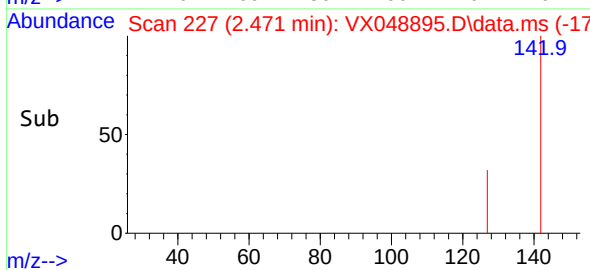
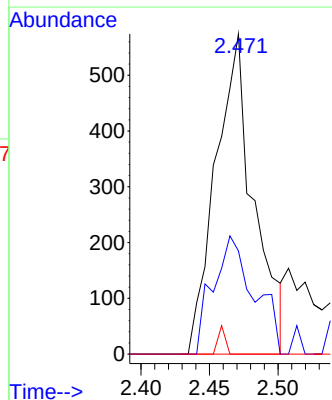
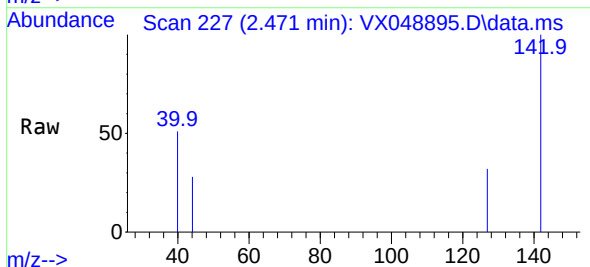
Instrument :
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ClientSampleId :
VX1216WBL02

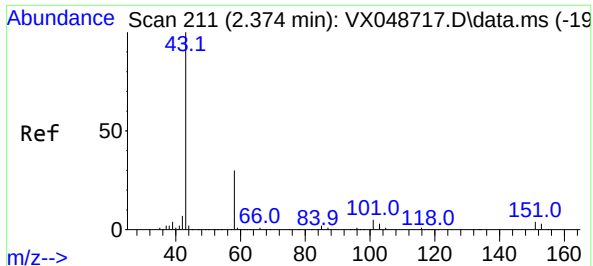
Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 71.2 75.2 112.8#



#10
Methyl Iodide
Concen: 0.952 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 142 Resp: 1113
Ion Ratio Lower Upper
142 100
127 39.8 35.8 53.6
141 1.7 11.1 16.7#

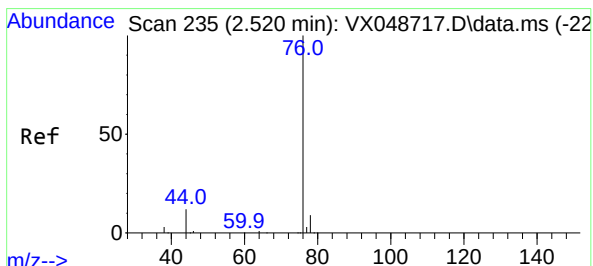
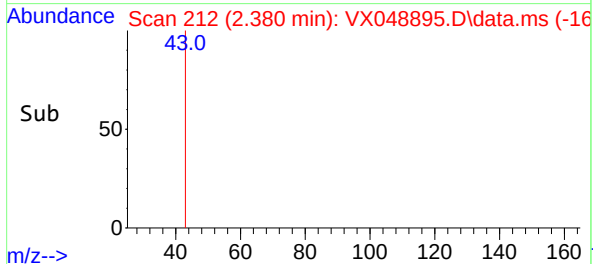
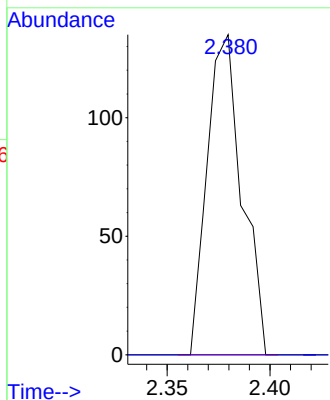
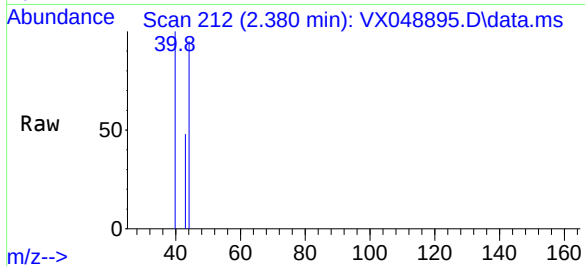




#16
Acetone
Concen: 0.582 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

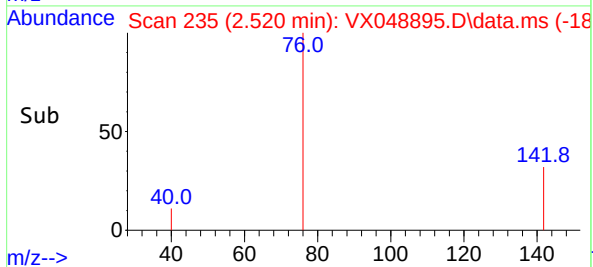
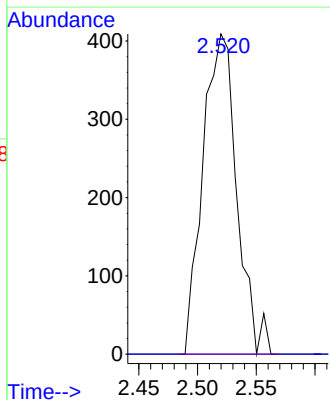
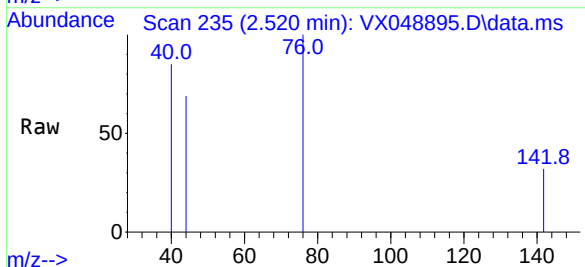
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

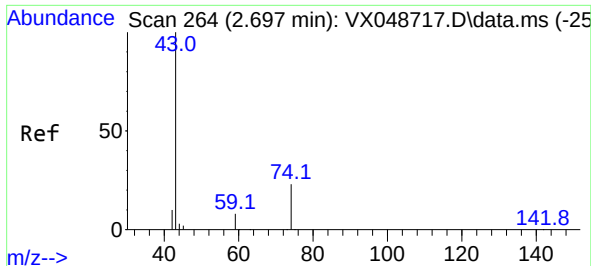
Tgt Ion: 43 Resp: 159
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#



#17
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 76 Resp: 824
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

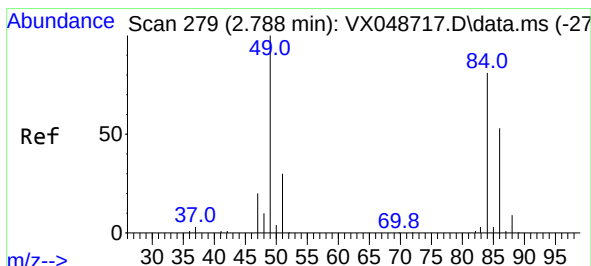
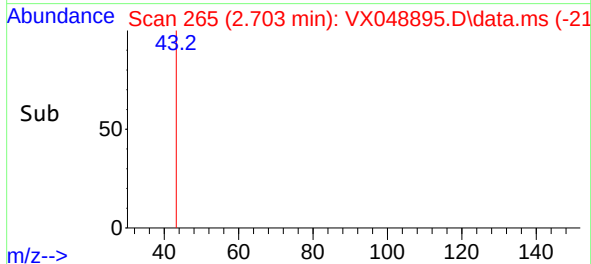
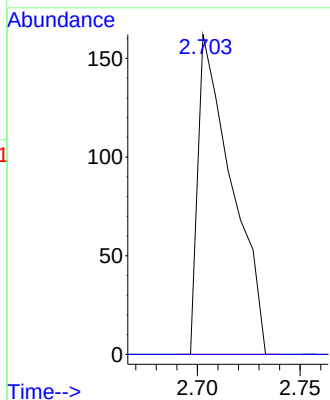
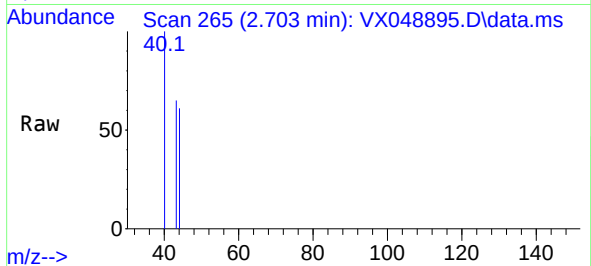




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

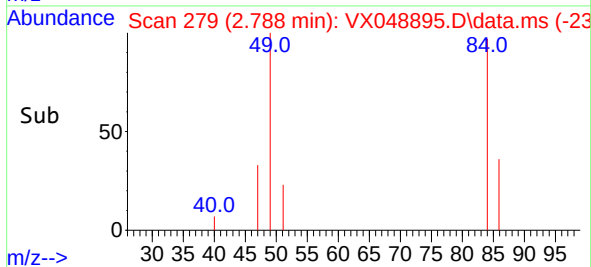
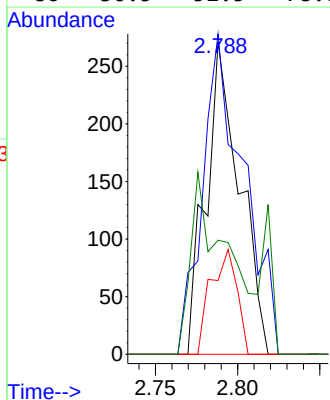
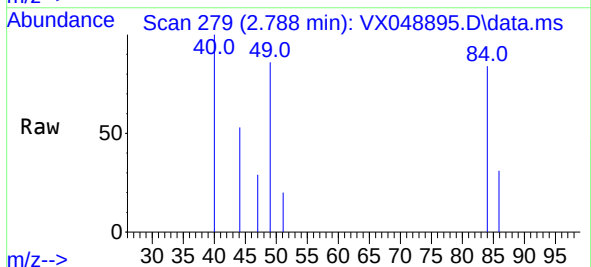
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

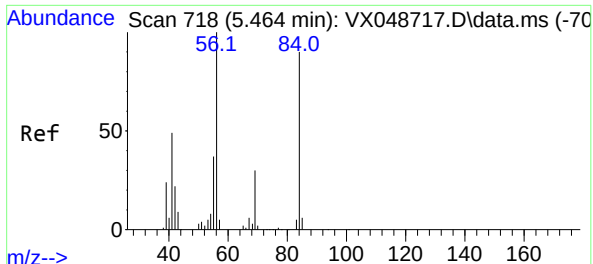
Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

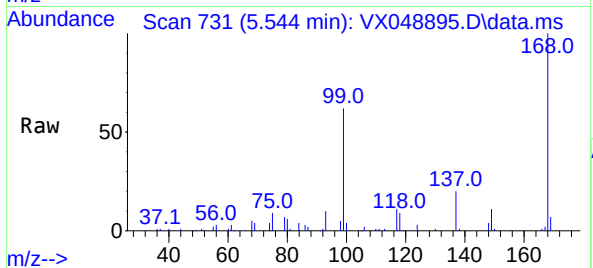
Tgt Ion: 84 Resp: 387
Ion Ratio Lower Upper
84 100
49 102.6 98.7 148.1
51 23.6 29.4 44.2#
86 36.5 52.5 78.7#



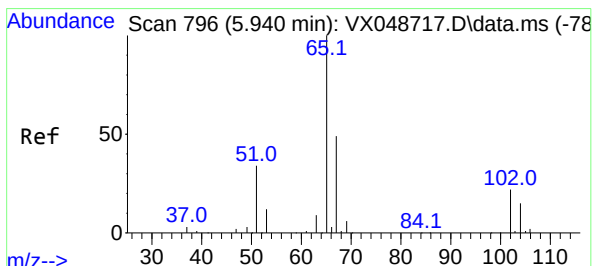
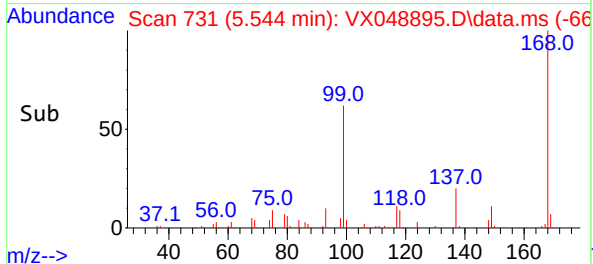
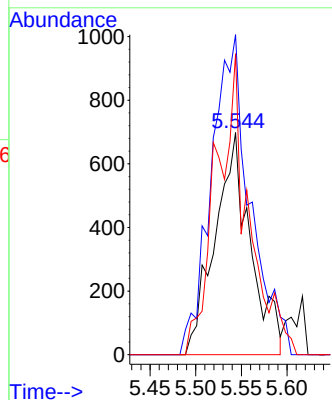


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

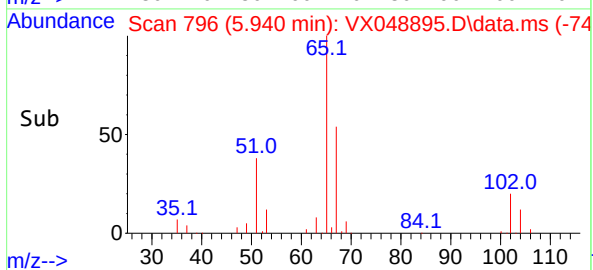
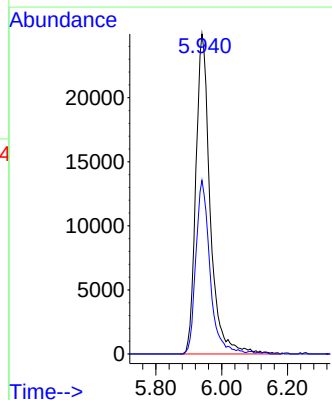
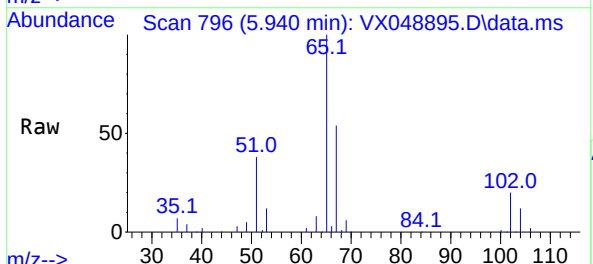


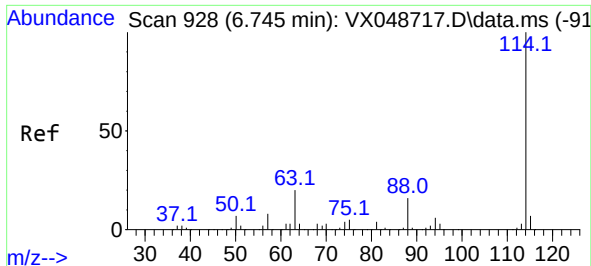
Tgt Ion: 56 Resp: 1887
Ion Ratio Lower Upper
56 100
69 144.1 24.2 36.2#
84 135.5 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 58.134 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 65 Resp: 75414
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.4

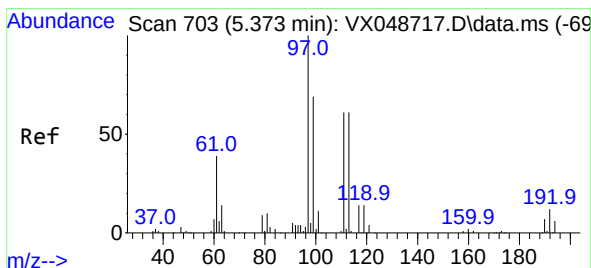
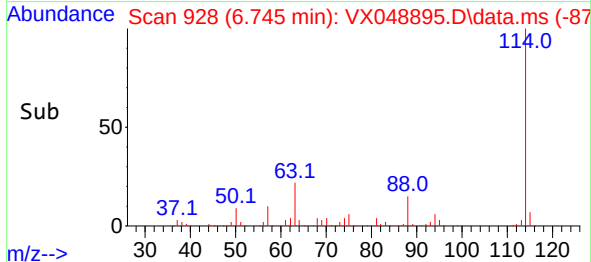
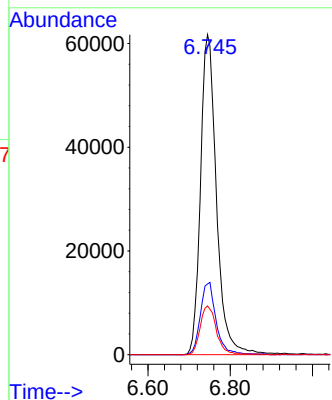
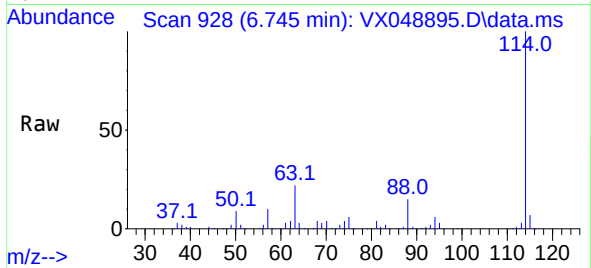




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

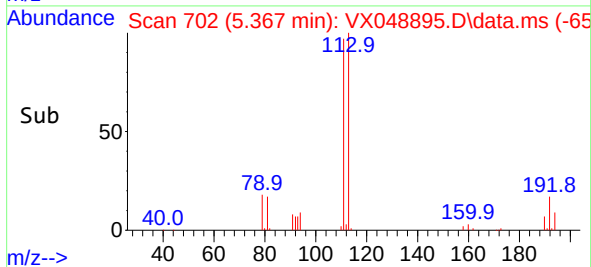
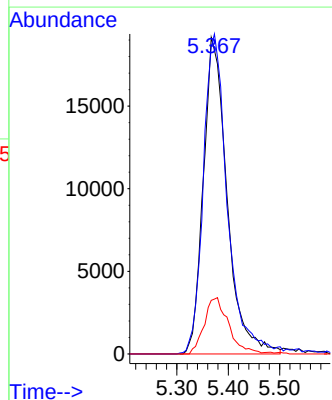
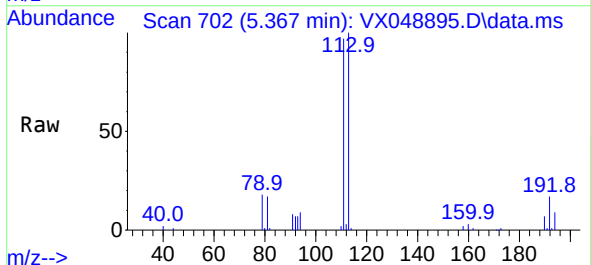
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ClientSampleId :
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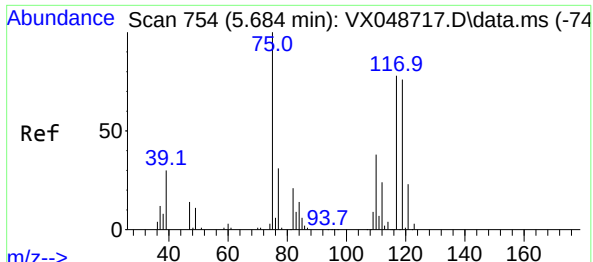
Tgt Ion:114 Resp: 166359
Ion Ratio Lower Upper
114 100
63 22.1 0.0 39.0
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.956 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion:113 Resp: 61771
Ion Ratio Lower Upper
113 100
111 101.3 79.5 119.3
192 18.2 16.1 24.1

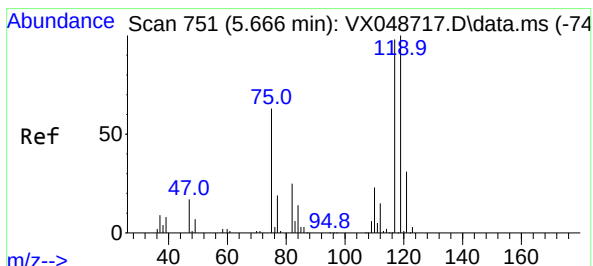
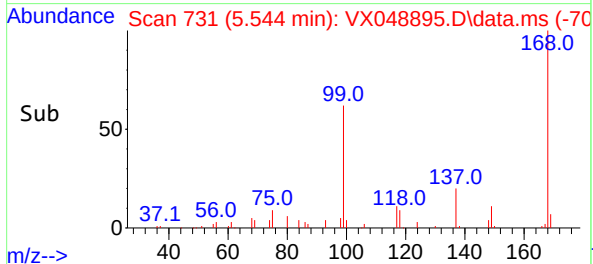
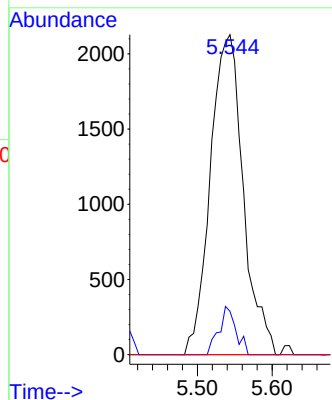
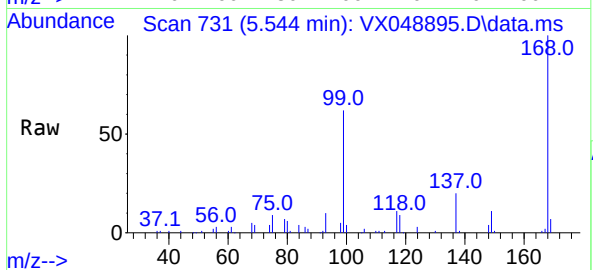




#36
1,1-Dichloropropene
Concen: 4.193 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

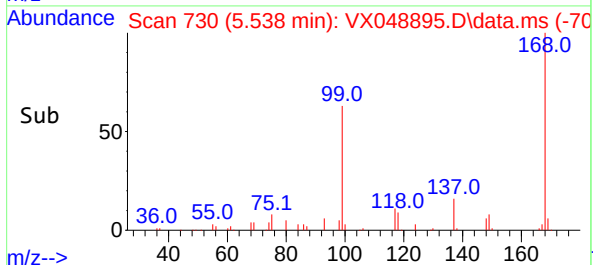
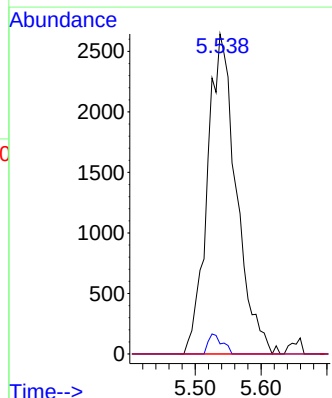
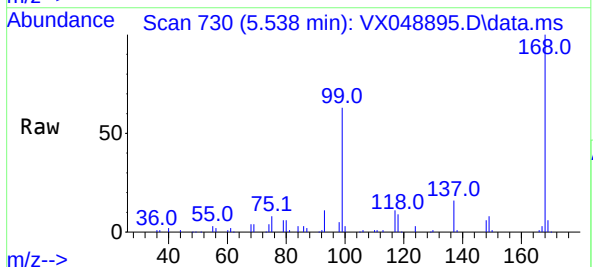
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

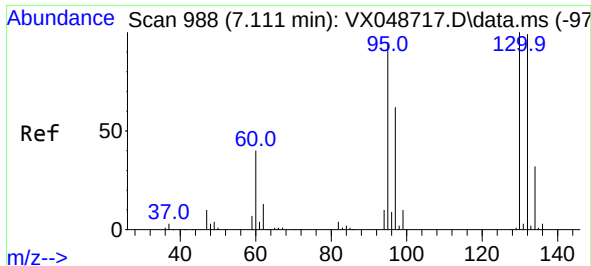
Tgt Ion: 75 Resp: 6507
Ion Ratio Lower Upper
75 100
110 7.8 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.380 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 117 Resp: 8102
Ion Ratio Lower Upper
117 100
119 3.1 80.5 120.7#
121 0.0 25.4 38.0#

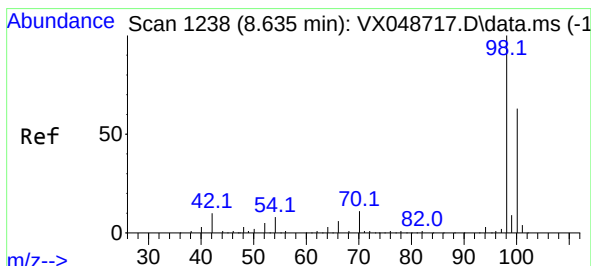
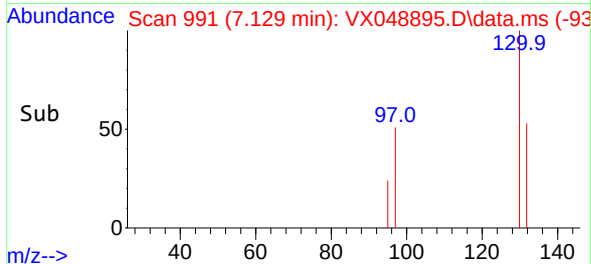
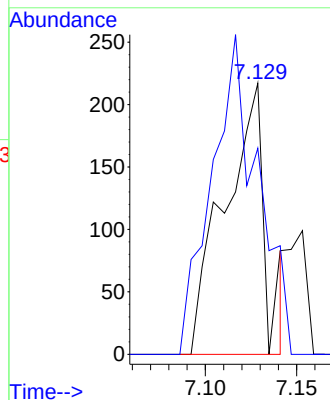
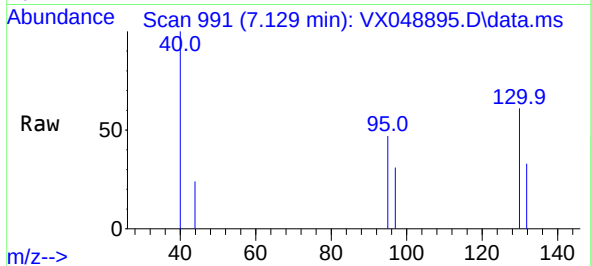




#44
Trichloroethene
Concen: 0.260 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.018 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

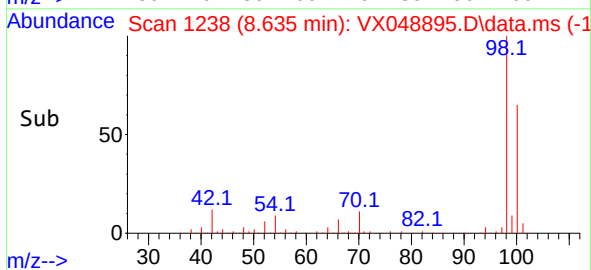
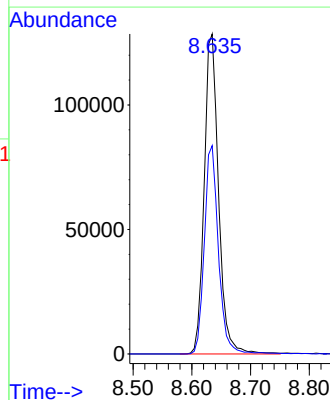
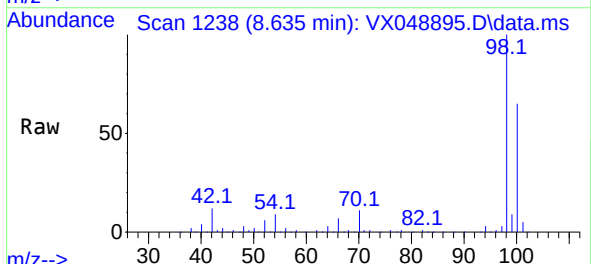
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

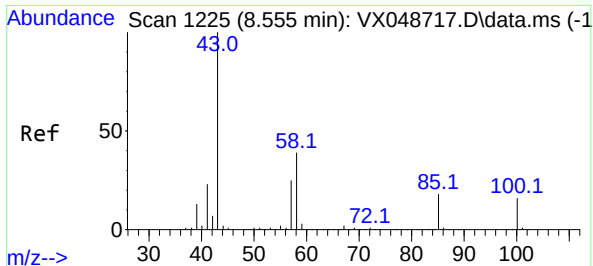
Tgt Ion:130 Resp: 334
Ion Ratio Lower Upper
130 100
95 76.0 0.0 189.6



#50
Toluene-d8
Concen: 49.274 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 98 Resp: 217522
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0

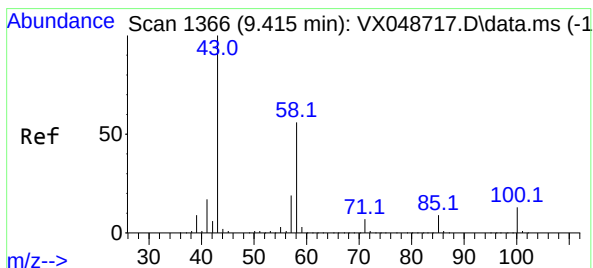
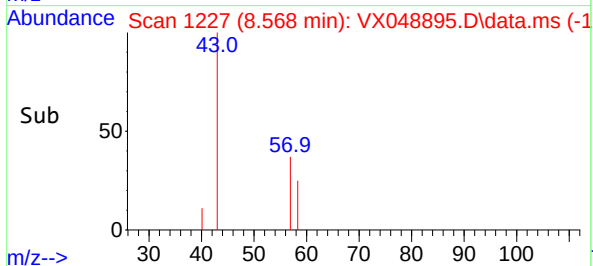
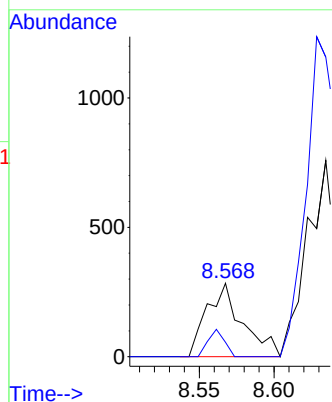
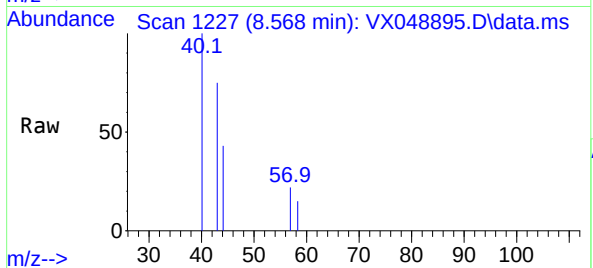




#51
4-Methyl-2-Pentanone
Concen: 0.341 ug/l
RT: 8.568 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

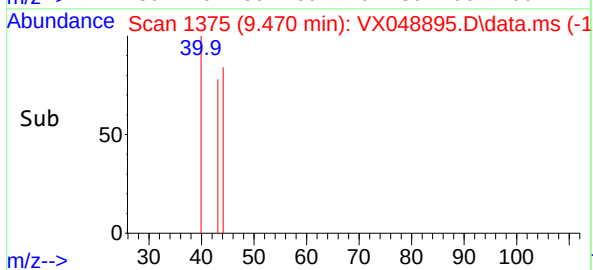
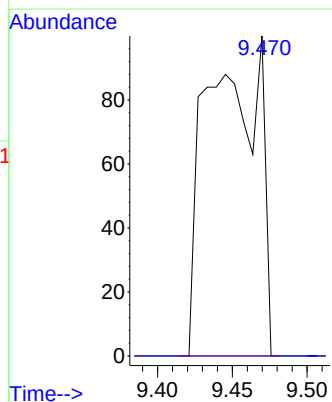
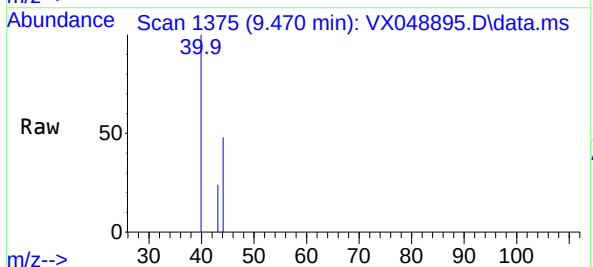
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

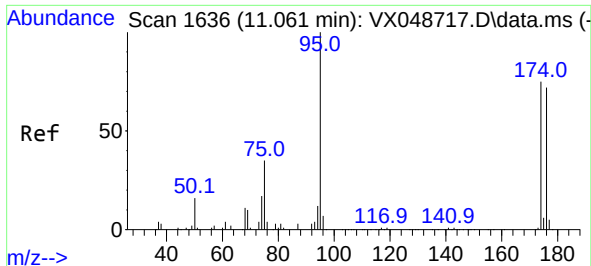
Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 17.1 32.2 48.4#



#59
2-Hexanone
Concen: 0.258 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. 0.055 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#

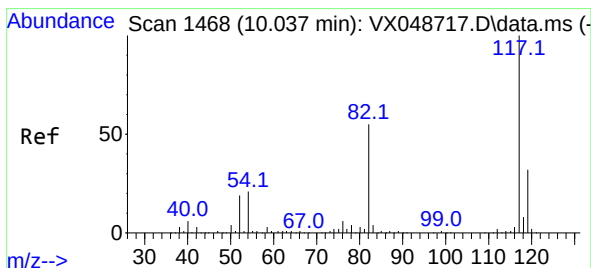
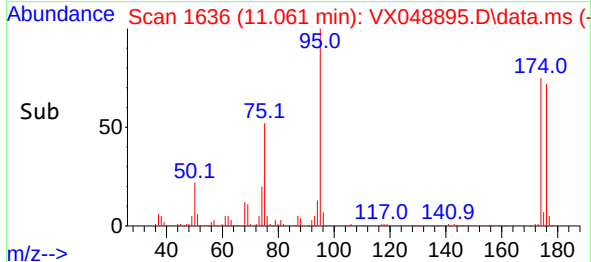
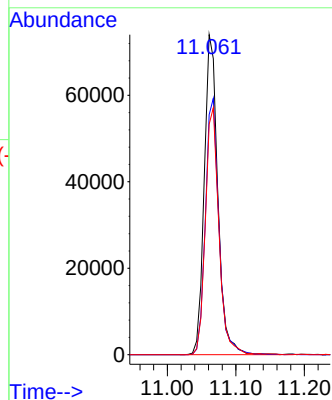
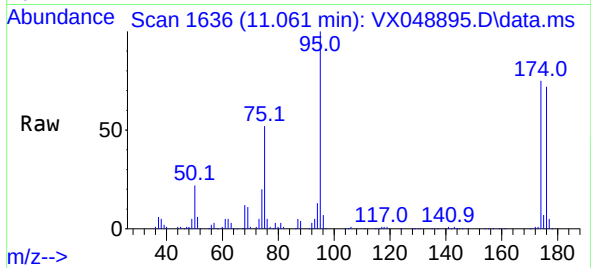




#62
4-Bromofluorobenzene
Concen: 64.513 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

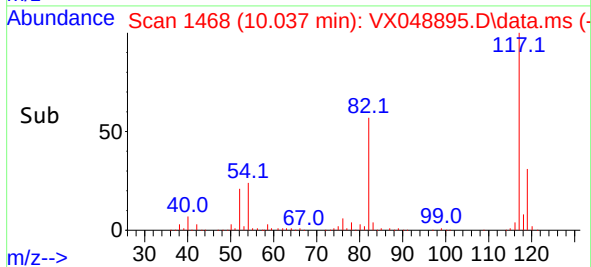
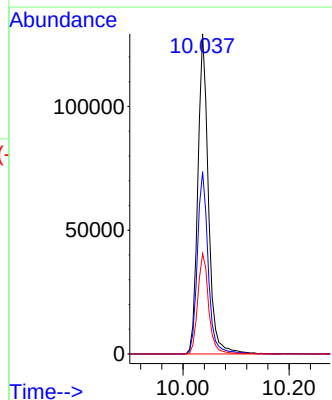
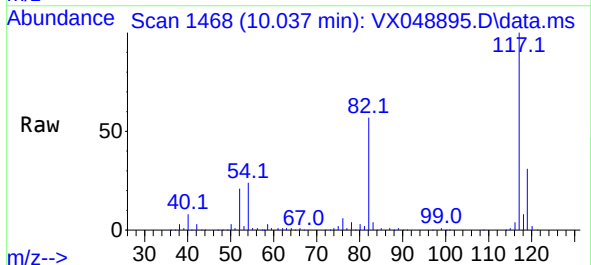
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

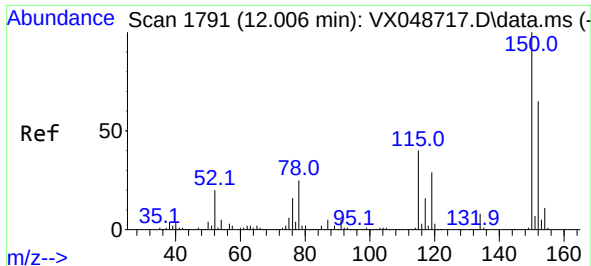
Tgt Ion: 95 Resp: 102248
Ion Ratio Lower Upper
95 100
174 79.8 0.0 157.8
176 77.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 117 Resp: 179509
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 31.3 25.2 37.8

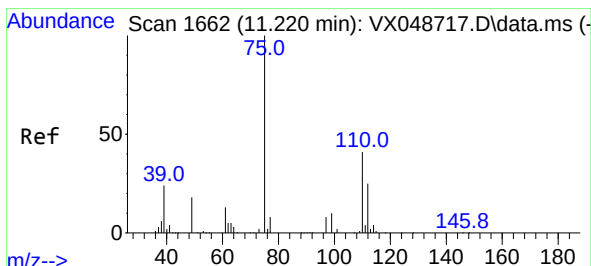
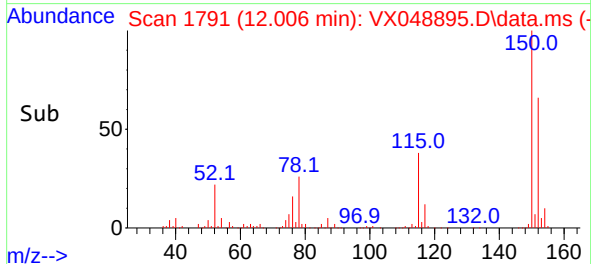
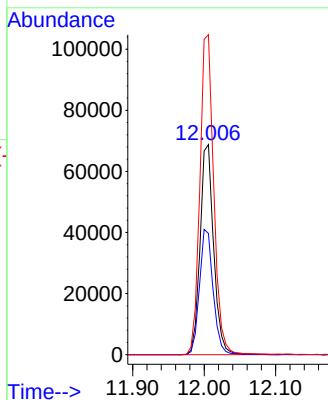
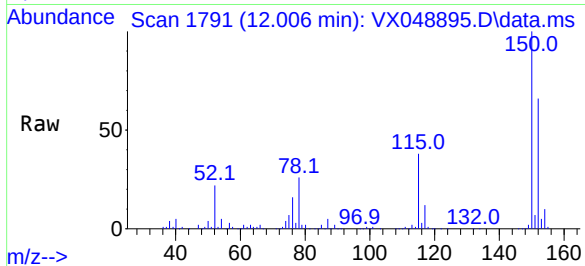




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX048895.D
 Acq: 16 Dec 2025 18:29

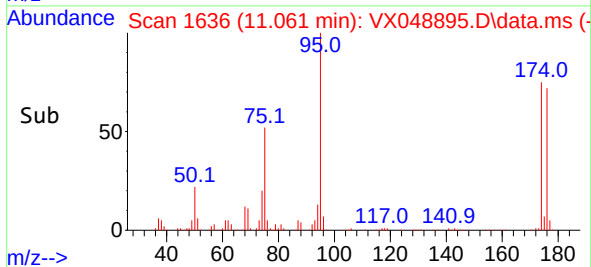
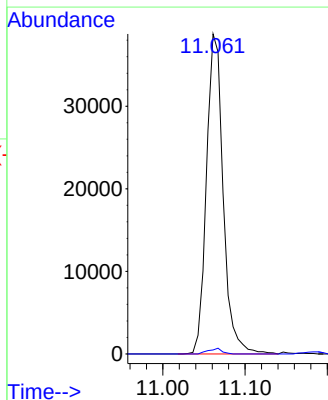
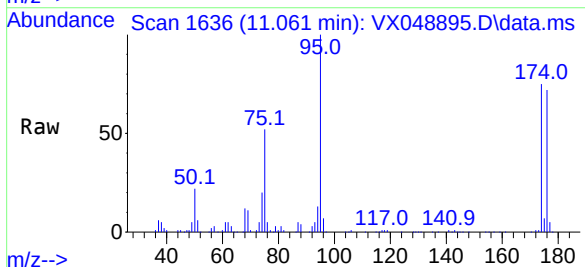
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL02

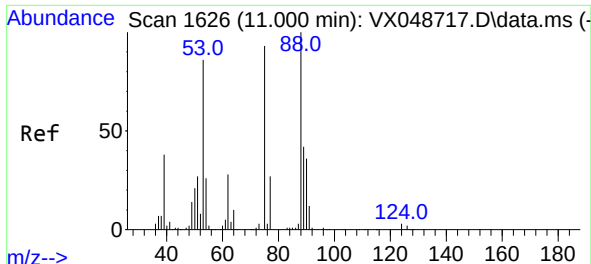
Tgt Ion:152 Resp: 90797
 Ion Ratio Lower Upper
 152 100
 115 60.0 42.1 126.4
 150 155.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 37.515 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048895.D
 Acq: 16 Dec 2025 18:29

Tgt Ion: 75 Resp: 54768
 Ion Ratio Lower Upper
 75 100
 77 1.4 24.3 73.0#

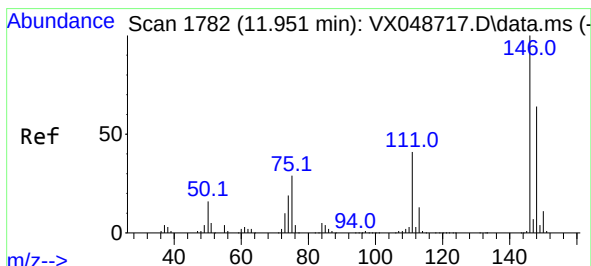
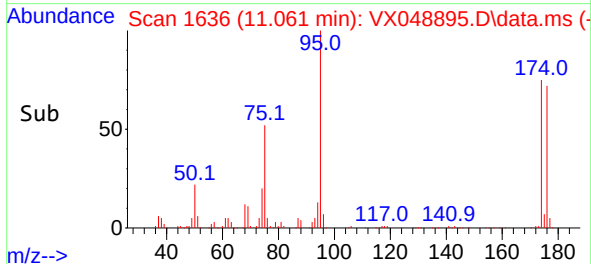
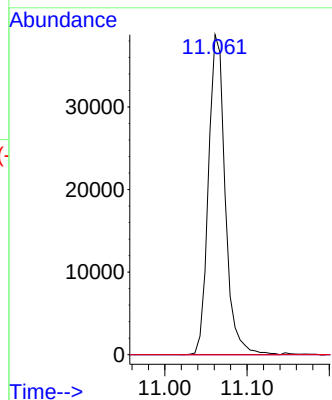
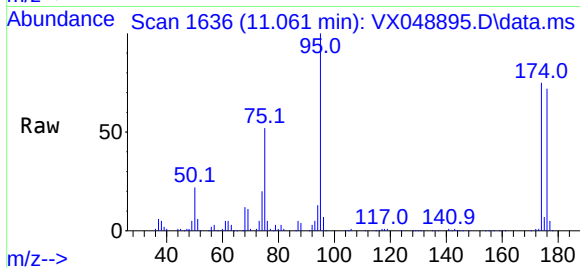




#81
trans-1,4-Dichloro-2-butene
Concen: 95.279 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

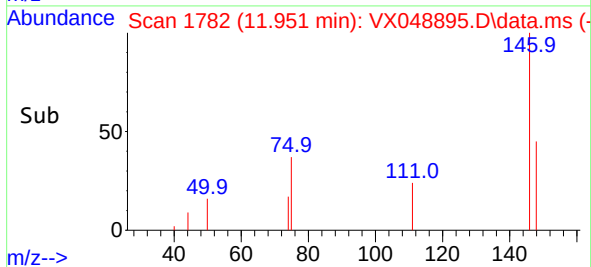
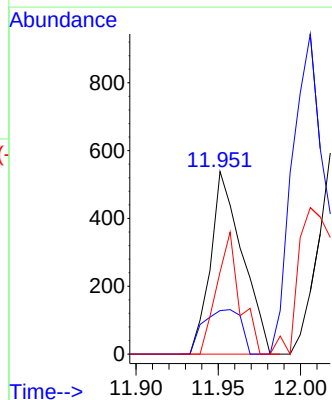
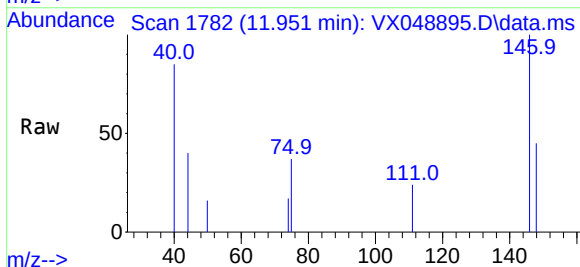
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

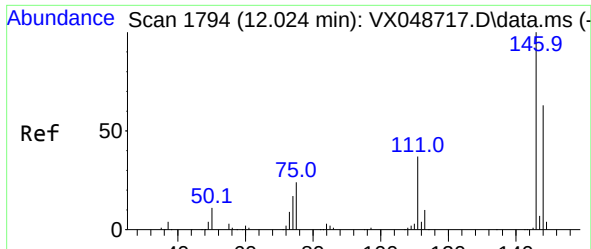
Tgt Ion: 75 Resp: 54768
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#87
1,3-Dichlorobenzene
Concen: 0.244 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

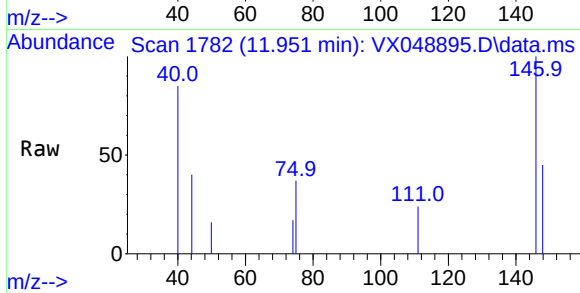
Tgt Ion:146 Resp: 724
Ion Ratio Lower Upper
146 100
111 28.7 20.3 60.8
148 48.5 32.1 96.5



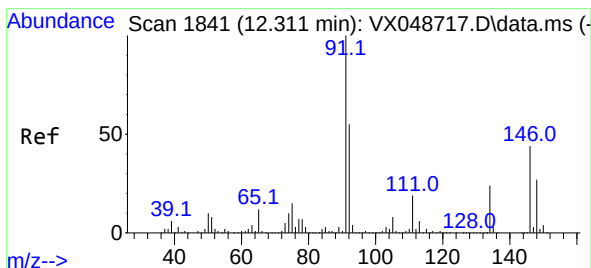
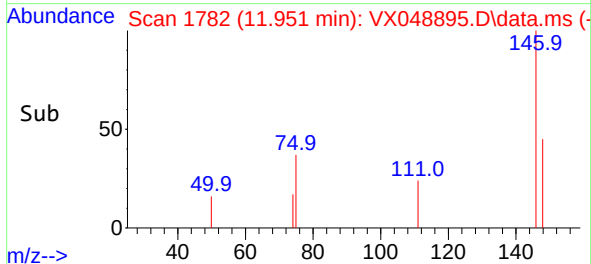
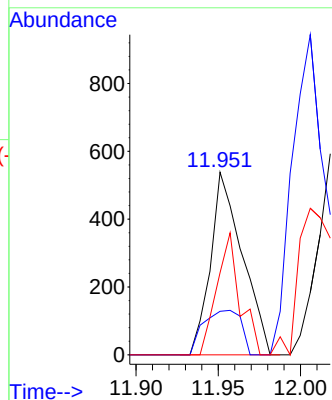


#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL02

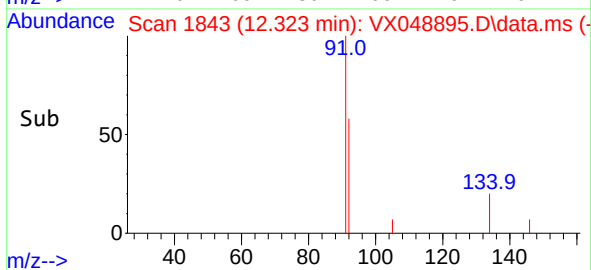
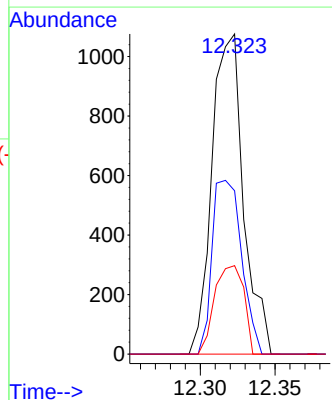
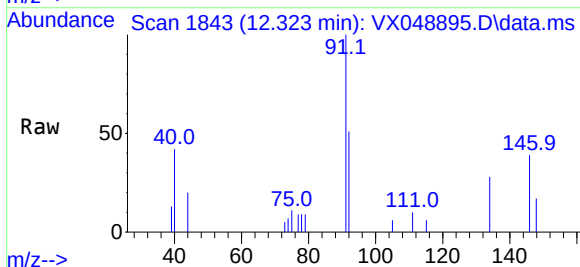


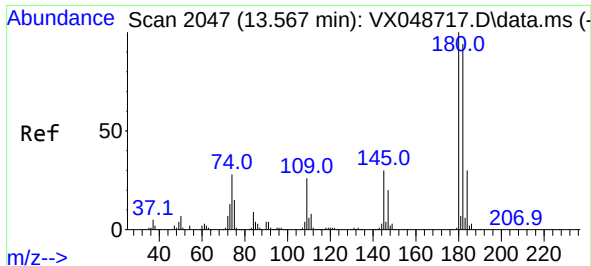
Tgt Ion:146 Resp: 724
Ion Ratio Lower Upper
146 100
111 28.7 19.6 58.7
148 48.5 31.6 94.7



#89
n-Butylbenzene
Concen: 0.310 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. 0.012 min
Lab File: VX048895.D
Acq: 16 Dec 2025 18:29

Tgt Ion: 91 Resp: 1576
Ion Ratio Lower Upper
91 100
92 50.9 27.1 81.3
134 25.6 12.9 38.6

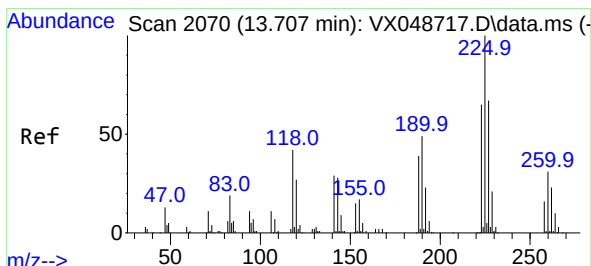
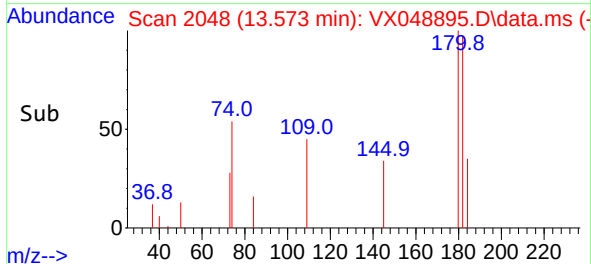
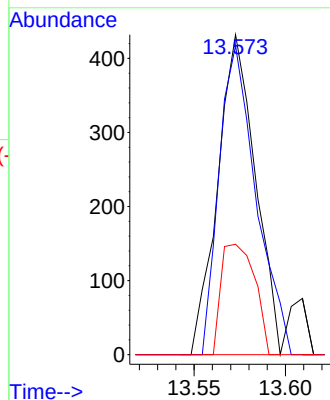
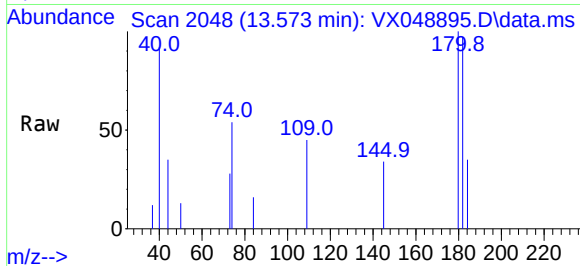




#93
 1,2,4-Trichlorobenzene
 Concen: 0.366 ug/l
 RT: 13.573 min Scan# 2048
 Delta R.T. 0.006 min
 Lab File: VX048895.D
 Acq: 16 Dec 2025 18:29

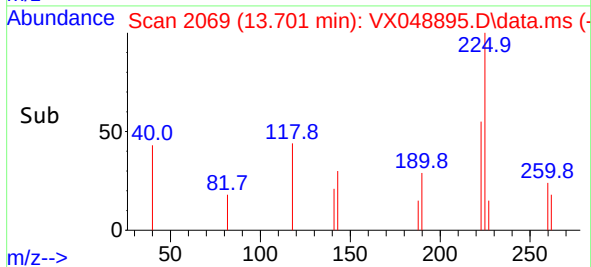
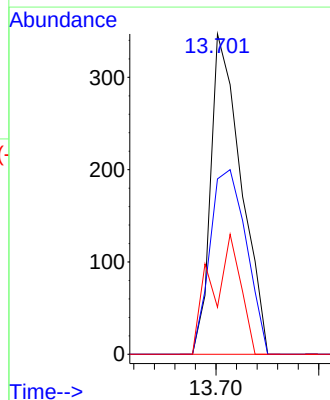
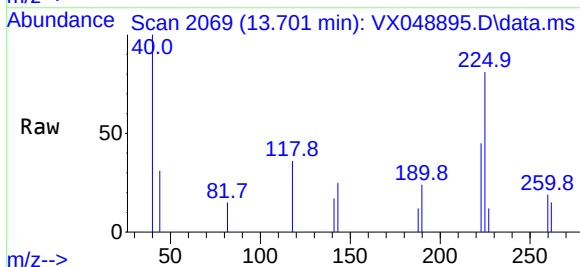
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL02

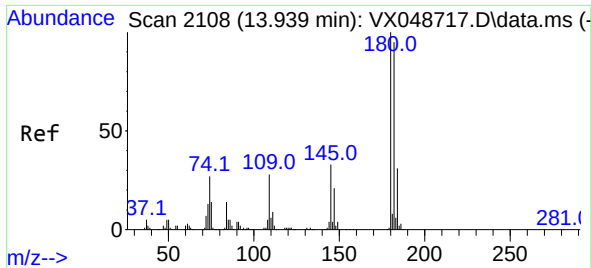
Tgt Ion:180	Resp:	619
Ion	Ratio	Lower Upper
180	100	
182	94.8	46.9 140.8
145	30.9	15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 0.489 ug/l
 RT: 13.701 min Scan# 2069
 Delta R.T. -0.006 min
 Lab File: VX048895.D
 Acq: 16 Dec 2025 18:29

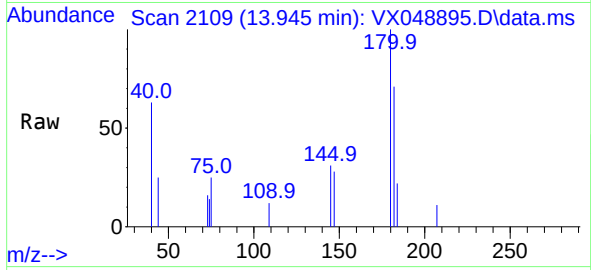
Tgt Ion:225	Resp:	357
Ion	Ratio	Lower Upper
225	100	
223	68.9	33.0 98.9
227	35.6	32.9 98.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.360 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX048895.D
 Acq: 16 Dec 2025 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL02



Tgt Ion:	180	Resp:	547
Ion	Ratio	Lower	Upper
180	100		
182	81.2	48.0	144.2
145	33.1	16.6	49.8

