

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048024.D
 Acq On : 06 Oct 2025 15:10
 Operator : JC/MD
 Sample : Q3263-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 266380

Quant Time: Oct 07 02:15:11 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)

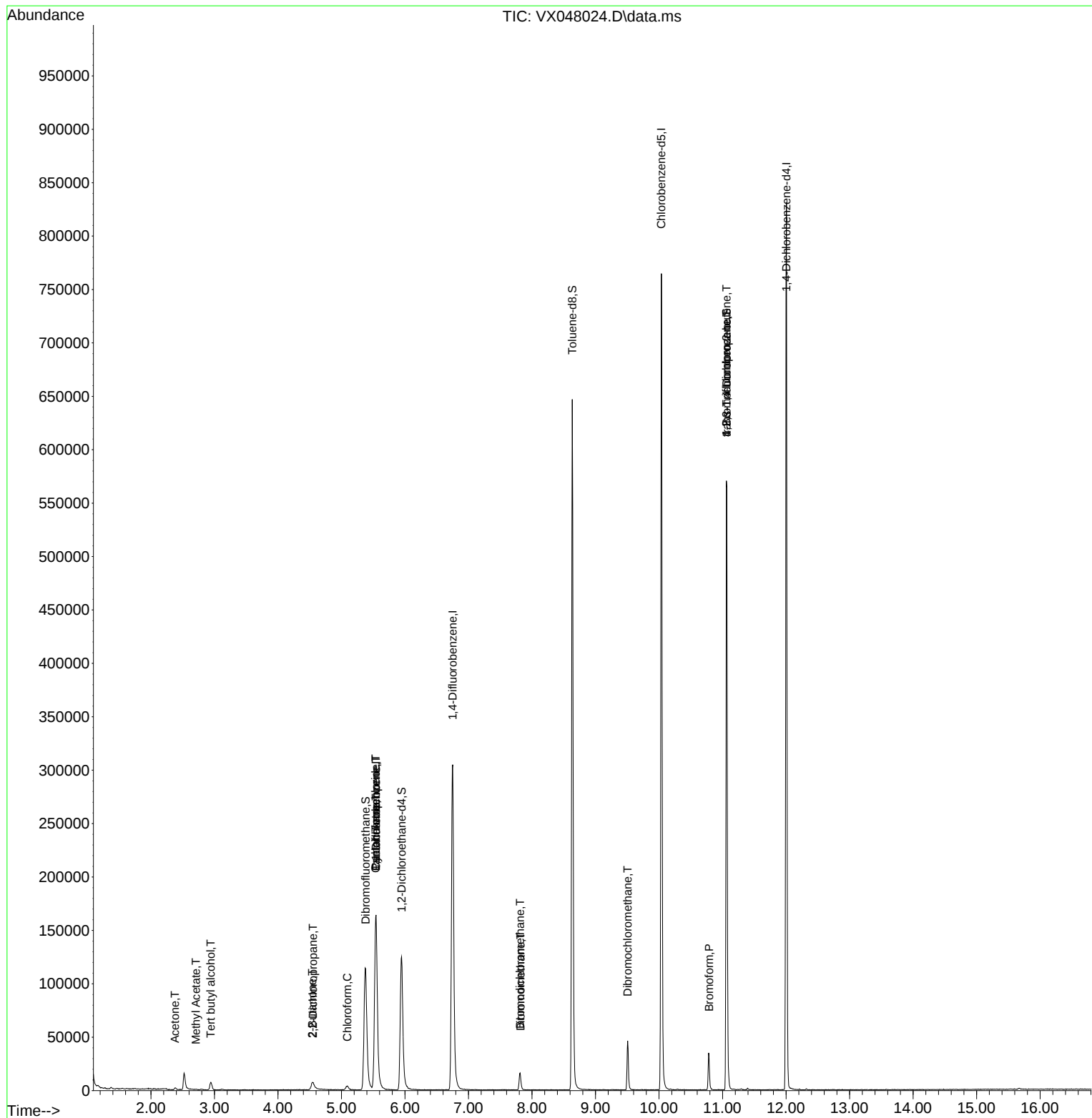
Internal Standards						
1) Pentafluorobenzene	5.544	168	166031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	333294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	344096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	172196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	138052	52.237	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.480%	
35) Dibromofluoromethane	5.379	113	112981	50.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.100%	
50) Toluene-d8	8.635	98	383784	49.620	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	11.061	95	164789	56.139	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	4512	15.329	ug/l #	72
16) Acetone	2.380	43	1632	1.420	ug/l	92
18) Methyl Acetate	2.709	43	670	0.262	ug/l #	54
25) 2-Butanone	4.538	43	633	0.442	ug/l #	50
26) 2,2-Dichloropropane	4.550	77	749	0.215	ug/l #	54
30) Chloroform	5.093	83	4749	1.121	ug/l	94
31) Cyclohexane	5.544	56	4088	1.171	ug/l #	21
36) 1,1-Dichloropropene	5.544	75	14449	4.424	ug/l #	50
38) Carbon Tetrachloride	5.538	117	17352	4.890	ug/l #	17
46) Dibromomethane	7.818	93	404	0.219	ug/l #	7
47) Bromodichloromethane	7.812	83	11514	3.018	ug/l	99
60) Dibromochloromethane	9.506	129	21403	7.882	ug/l	99
71) Bromoform	10.787	173	13756	6.829	ug/l #	93
76) 1,2,3-Trichloropropane	11.061	75	86523	24.817	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	86523	63.287	ug/l #	8

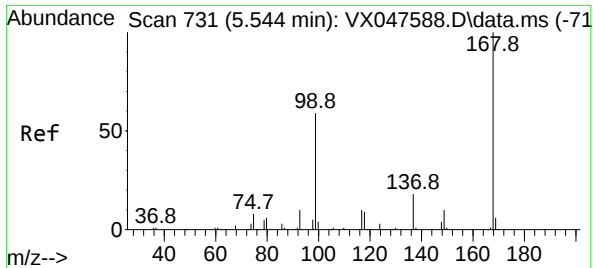
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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266380

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Quant Title : SW846 8260
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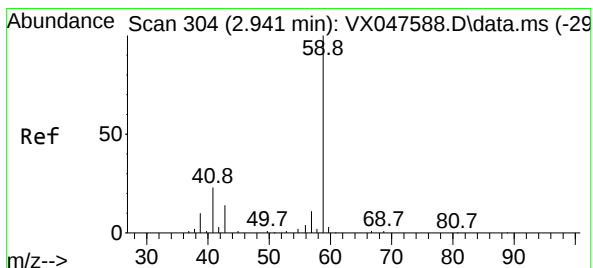
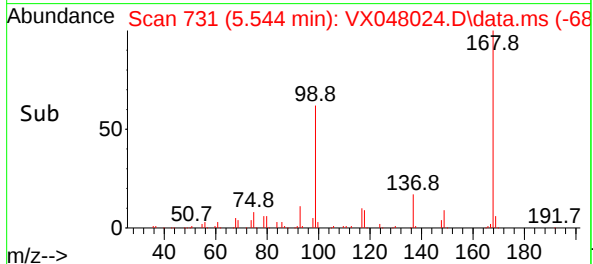
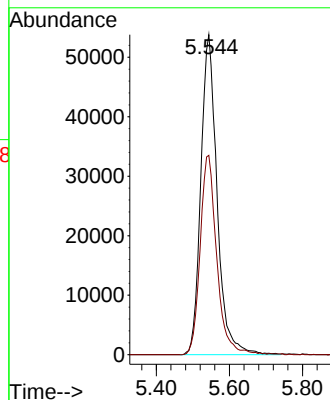
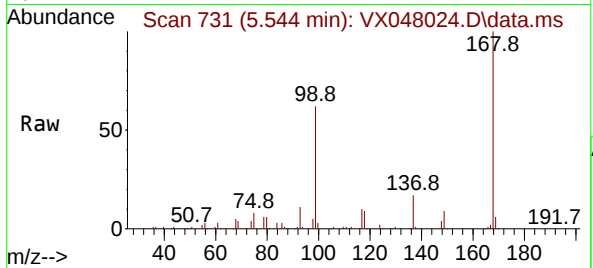




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

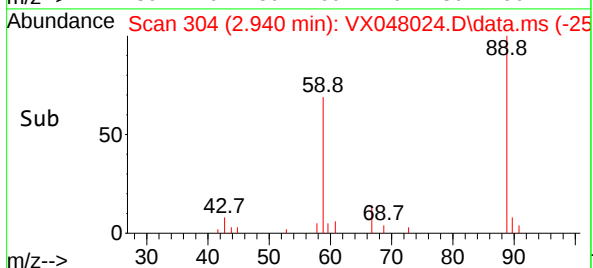
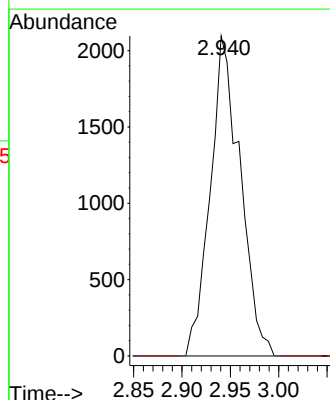
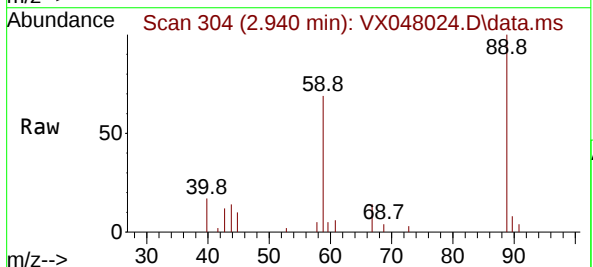
Instrument :
MSVOA_X
ClientSampleId :
266380

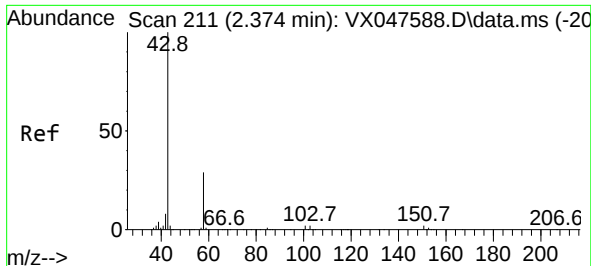
Tgt Ion:168 Resp: 166031
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#11
Tert butyl alcohol
Concen: 15.329 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 59 Resp: 4512
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

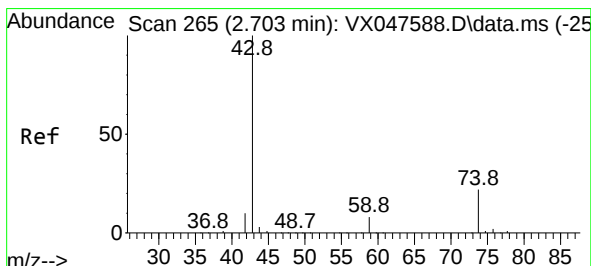
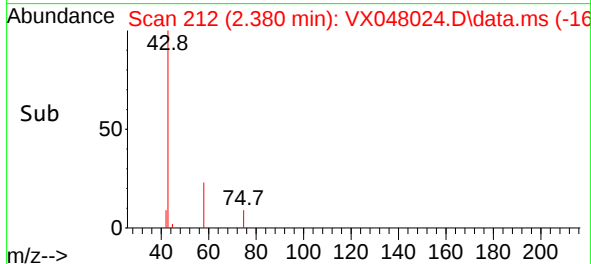
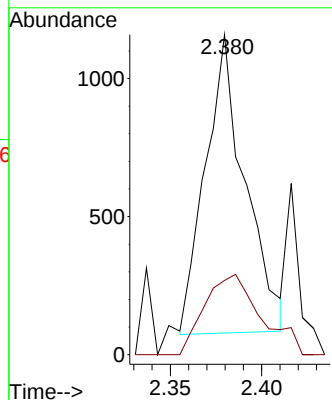
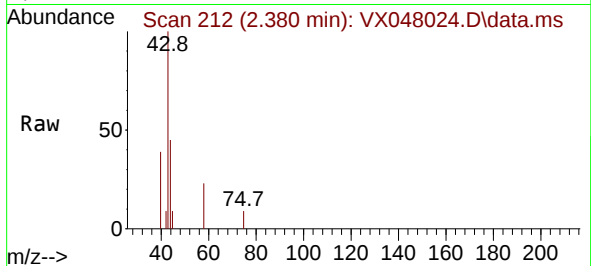




#16
Acetone
Concen: 1.420 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

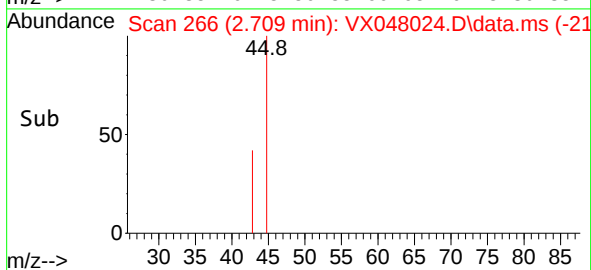
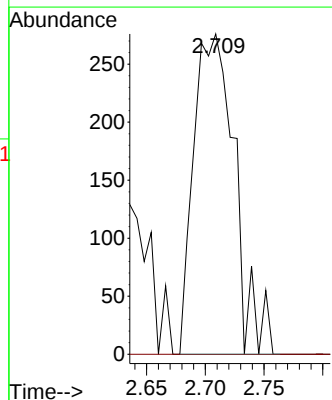
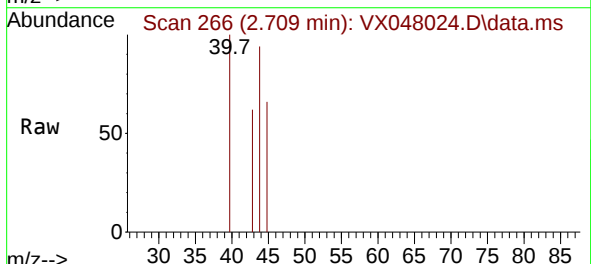
Instrument :
MSVOA_X
ClientSampleId :
266380

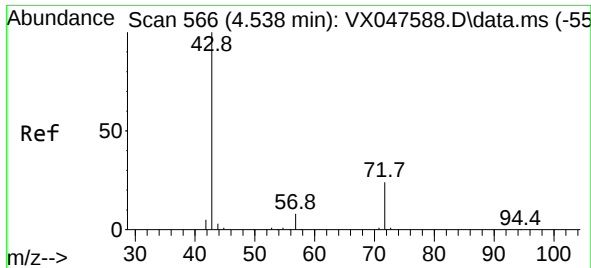
Tgt Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
58 25.0 23.4 35.0



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

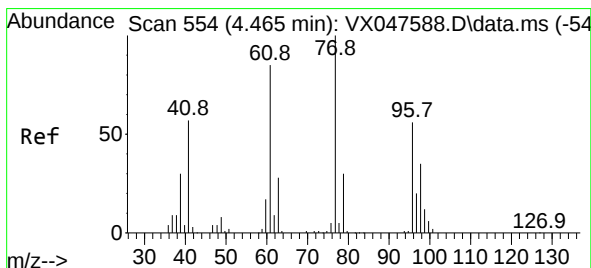
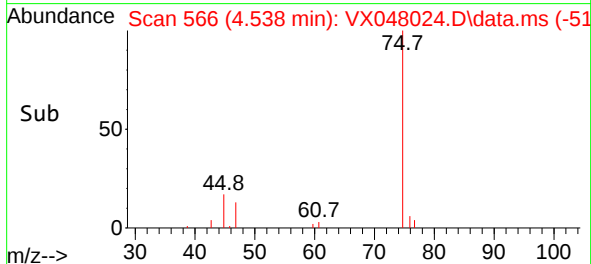
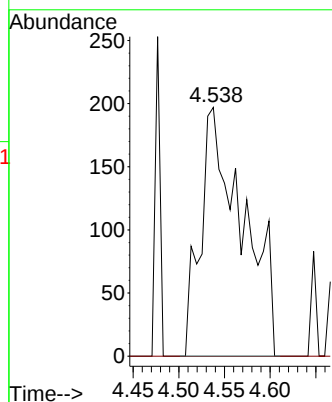
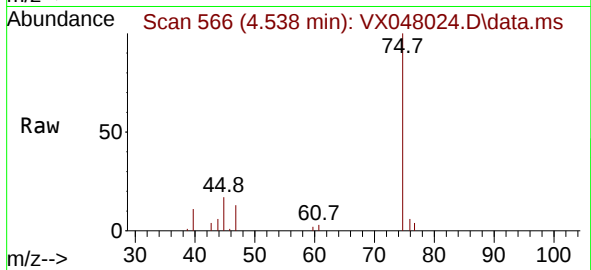




#25
2-Butanone
Concen: 0.442 ug/l
RT: 4.538 min Scan# 566
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

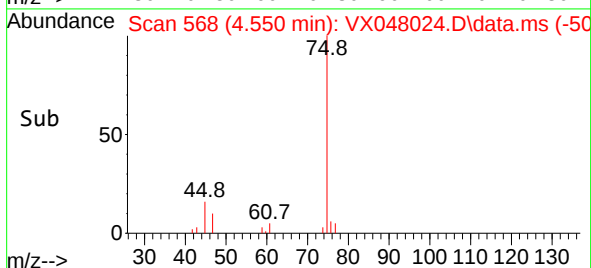
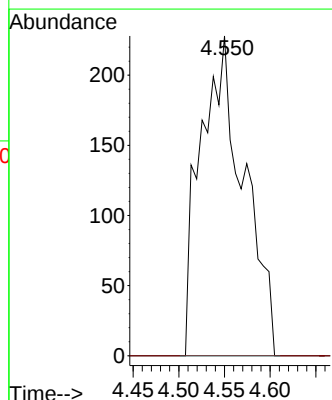
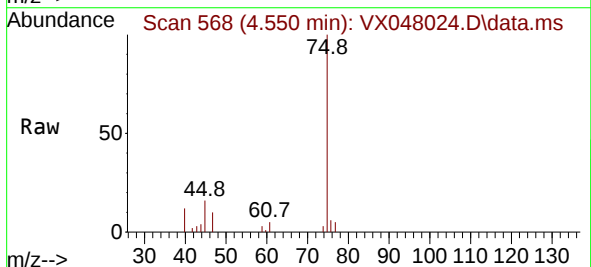
Instrument :
MSVOA_X
ClientSampleId :
266380

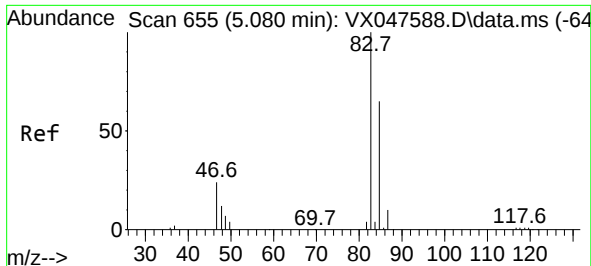
Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 0.215 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.085 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 77 Resp: 749
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#

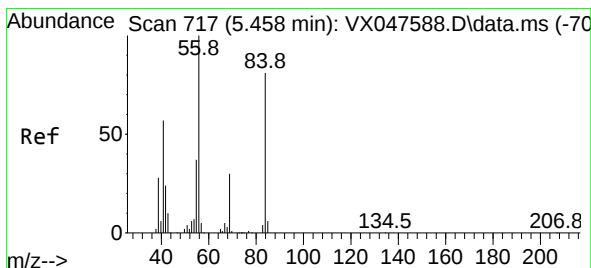
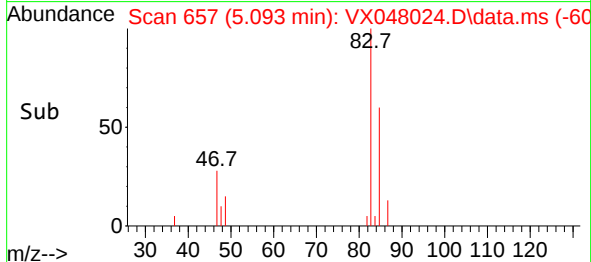
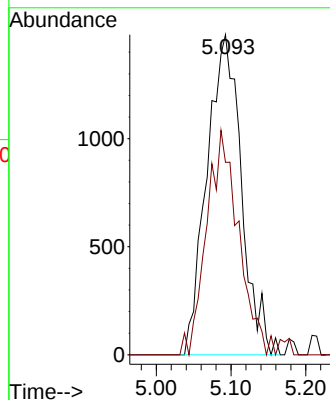
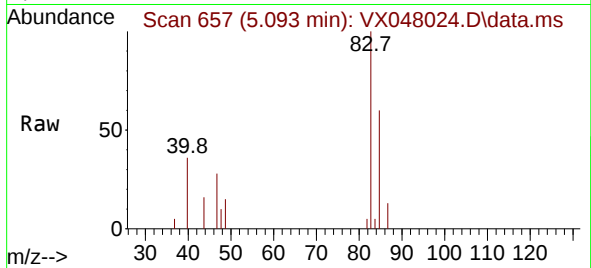




#30
Chloroform
Concen: 1.121 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

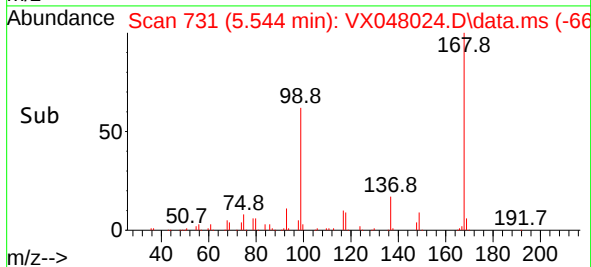
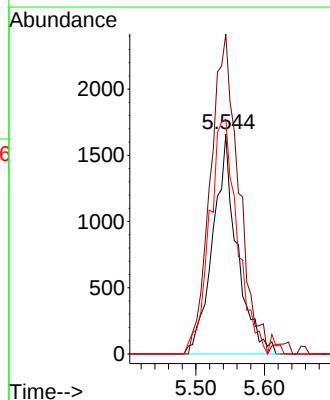
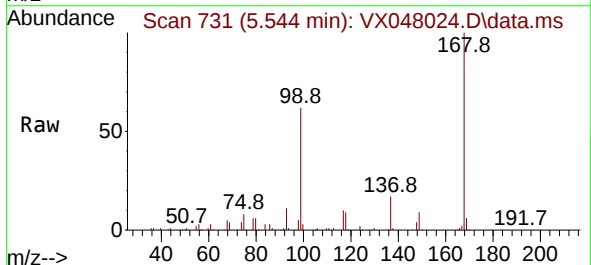
Instrument :
MSVOA_X
ClientSampleId :
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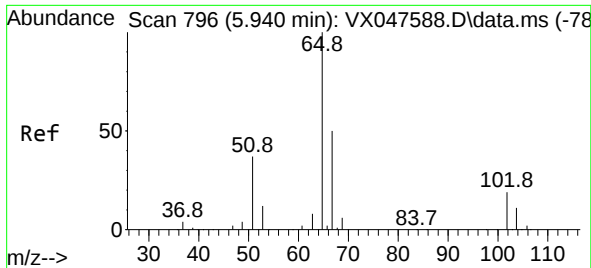
Tgt Ion: 83 Resp: 4749
Ion Ratio Lower Upper
83 100
85 60.1 51.8 77.6



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 56 Resp: 4088
Ion Ratio Lower Upper
56 100
69 145.6 23.8 35.8#
84 106.8 64.6 97.0#

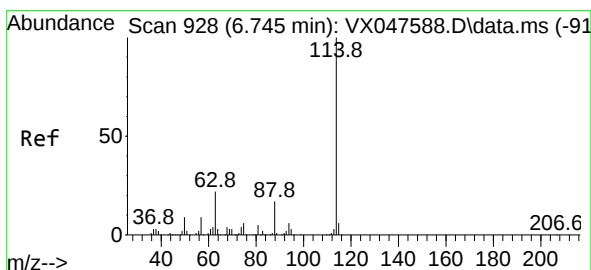
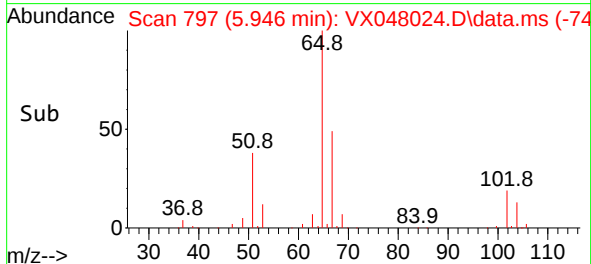
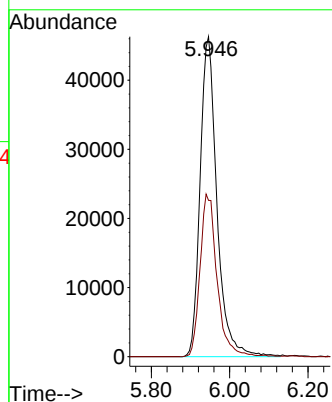
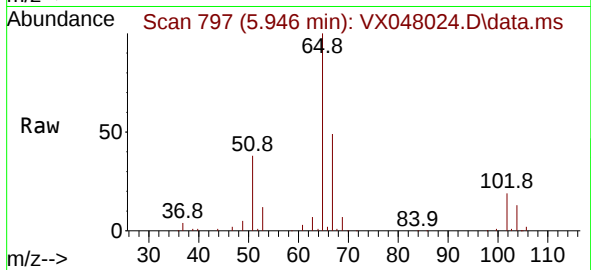




#33
 1,2-Dichloroethane-d4
 Concen: 52.237 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048024.D
 Acq: 06 Oct 2025 15:10

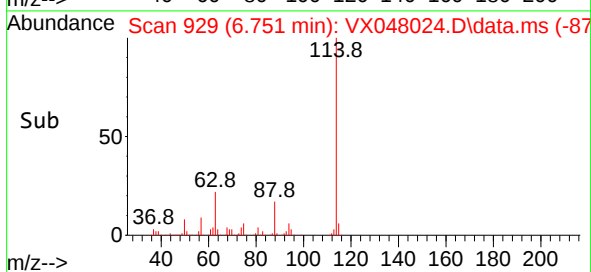
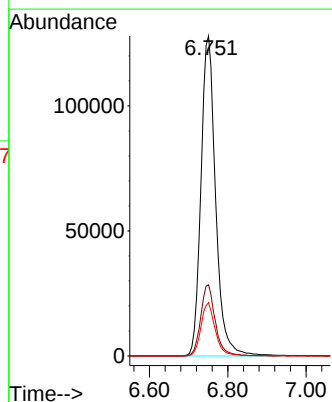
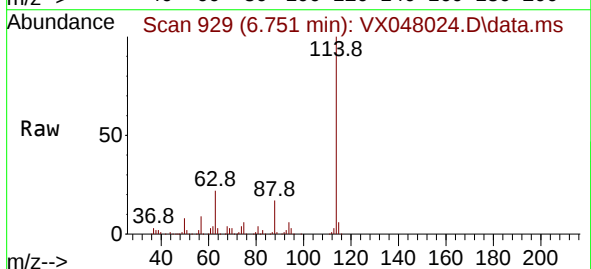
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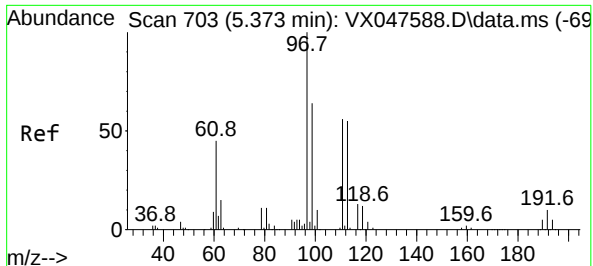
Tgt Ion: 65 Resp: 138052
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048024.D
 Acq: 06 Oct 2025 15:10

Tgt Ion: 114 Resp: 333294
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 16.7 0.0 34.2

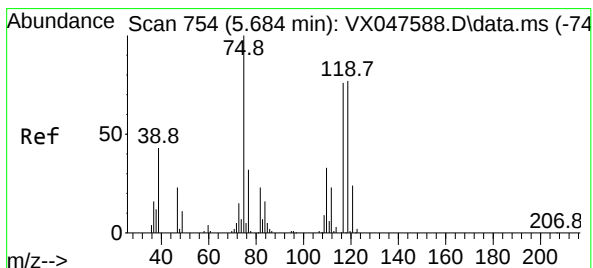
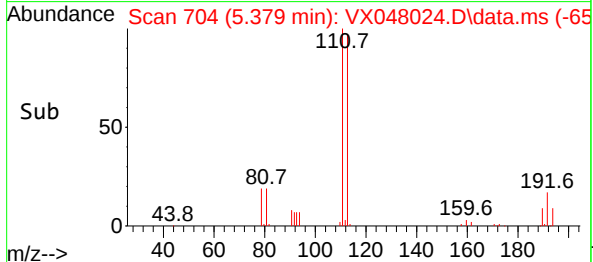
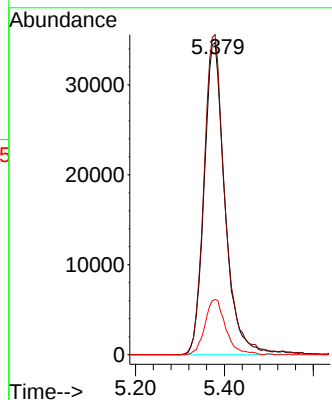
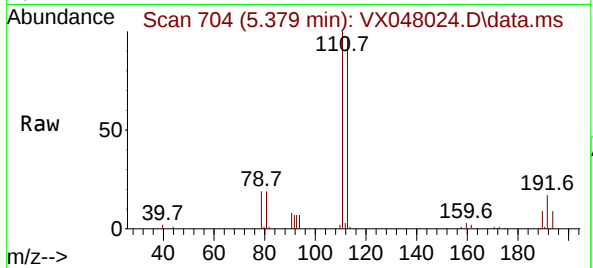




#35
Dibromofluoromethane
Concen: 50.545 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

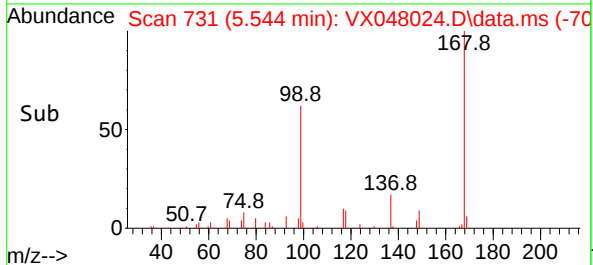
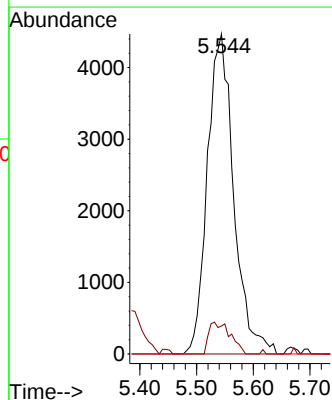
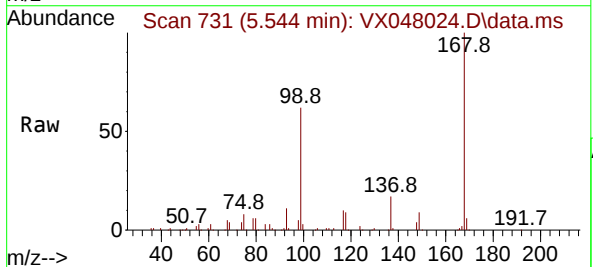
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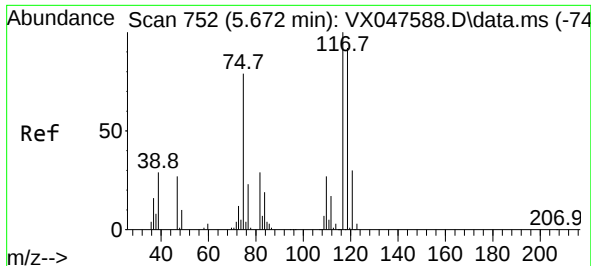
Tgt Ion:113 Resp: 112981
Ion Ratio Lower Upper
113 100
111 103.3 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

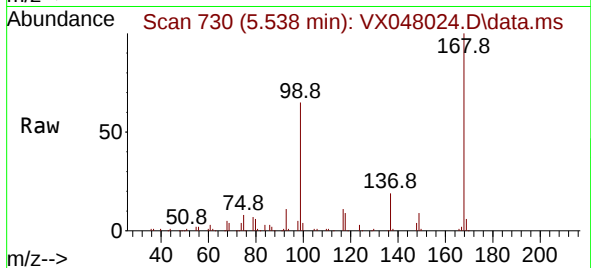
Tgt Ion: 75 Resp: 14449
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 24.3 36.5#



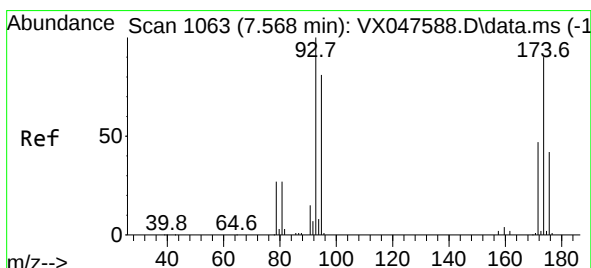
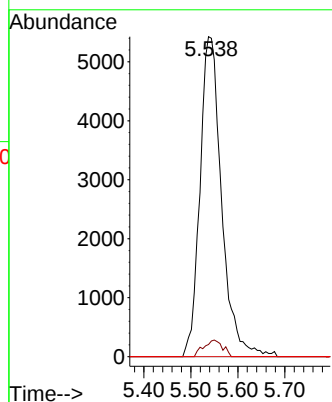
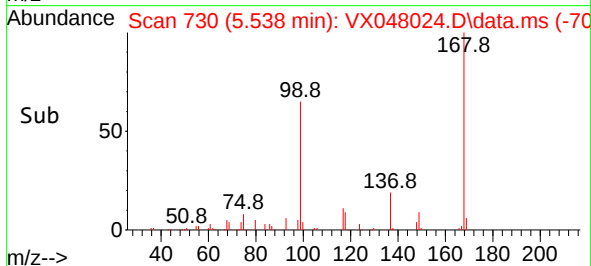


#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :
266380

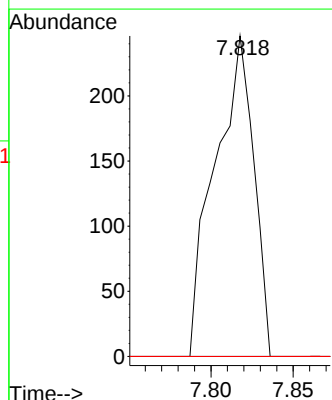
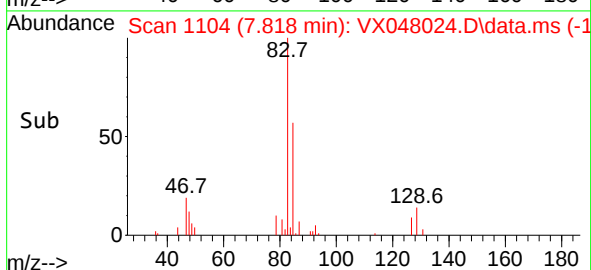
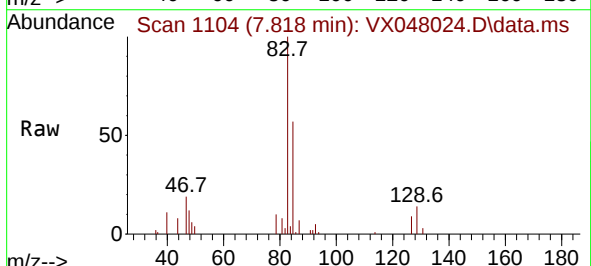


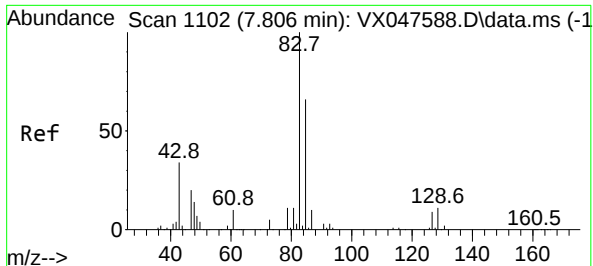
Tgt Ion:117 Resp: 17352
Ion Ratio Lower Upper
117 100
119 3.8 73.4 110.2#
121 0.0 23.8 35.6#



#46
Dibromomethane
Concen: 0.219 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.250 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 93 Resp: 404
Ion Ratio Lower Upper
93 100
95 0.0 65.0 97.6#
174 0.0 71.6 107.4#





#47

Bromodichloromethane

Concen: 3.018 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VX048024.D

Acq: 06 Oct 2025 15:10

Instrument :

MSVOA_X

ClientSampleId :

266380

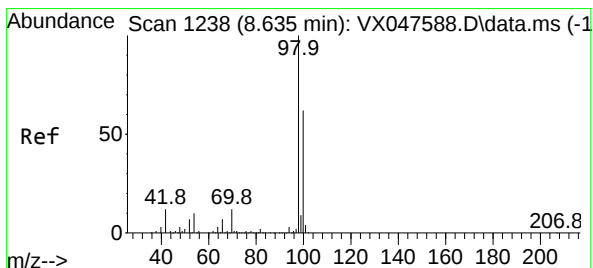
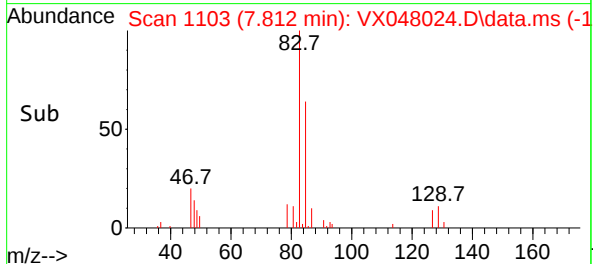
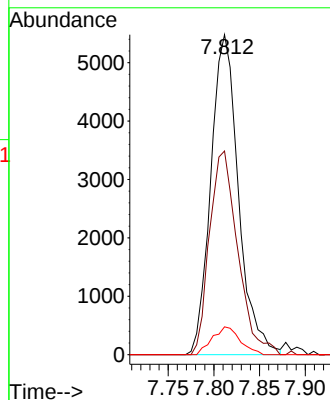
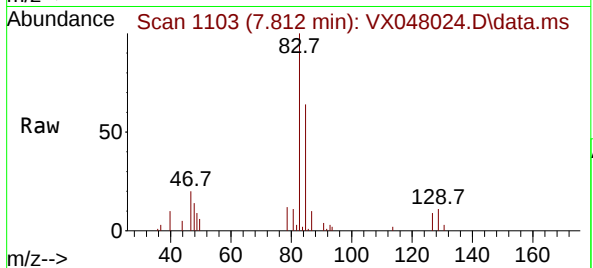
Tgt Ion: 83 Resp: 11514

Ion Ratio Lower Upper

83 100

85 64.7 52.5 78.7

127 8.7 6.9 10.3



#50

Toluene-d8

Concen: 49.620 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048024.D

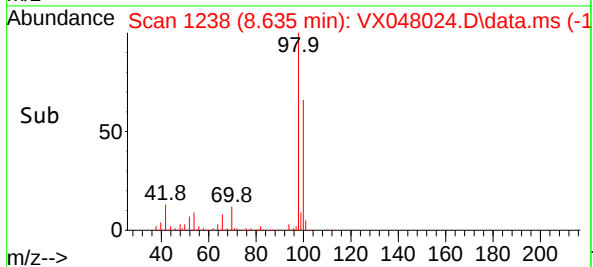
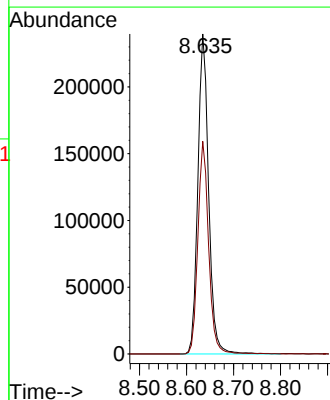
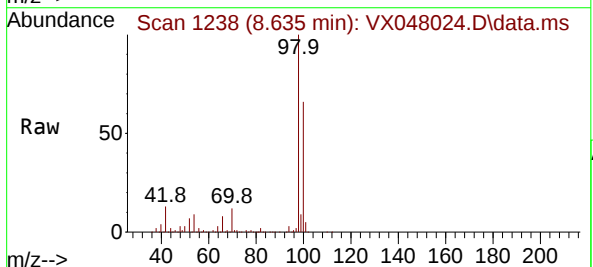
Acq: 06 Oct 2025 15:10

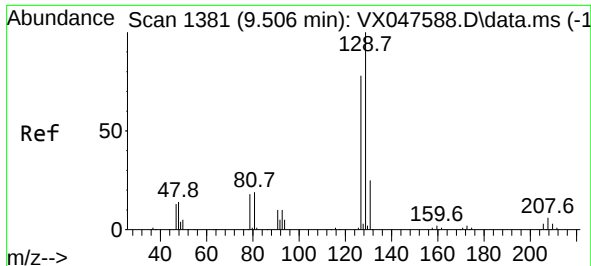
Tgt Ion: 98 Resp: 383784

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4

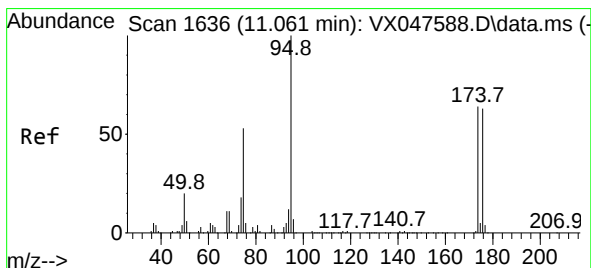
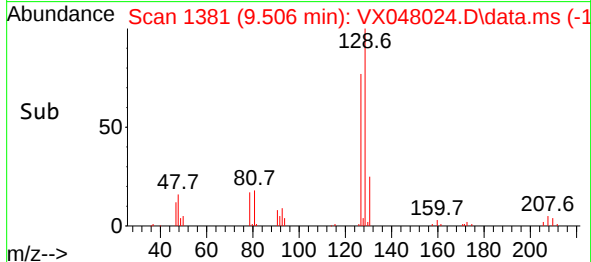
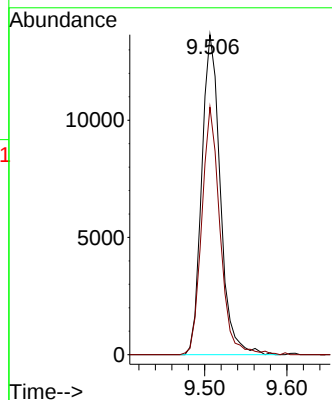
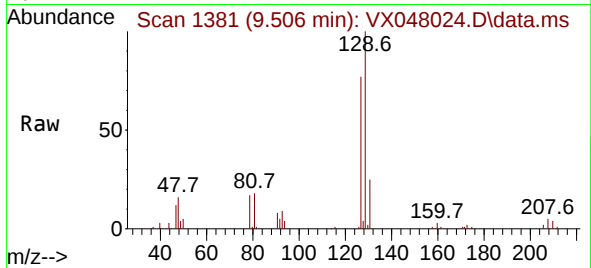




#60
Dibromochloromethane
Concen: 7.882 ug/l
RT: 9.506 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

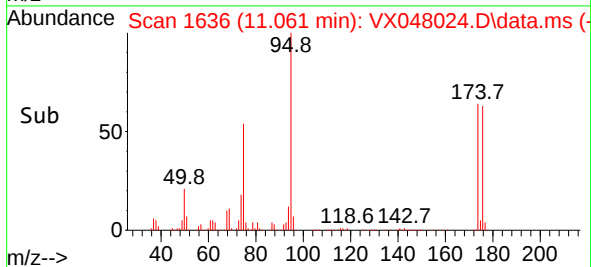
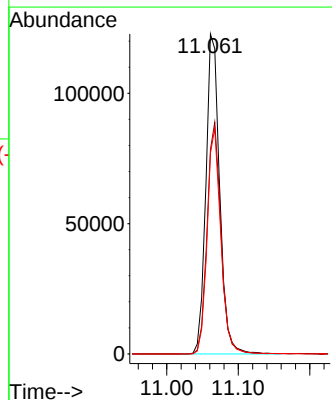
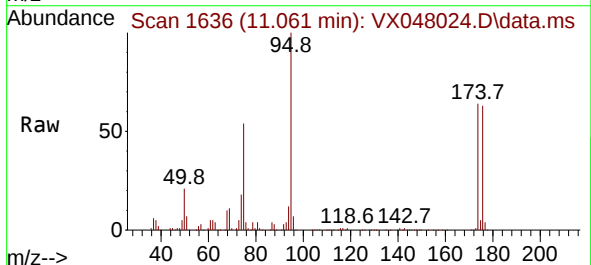
Instrument :
MSVOA_X
ClientSampleId :
266380

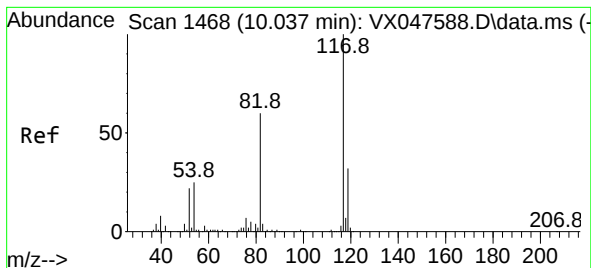
Tgt Ion:129 Resp: 21403
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 56.139 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

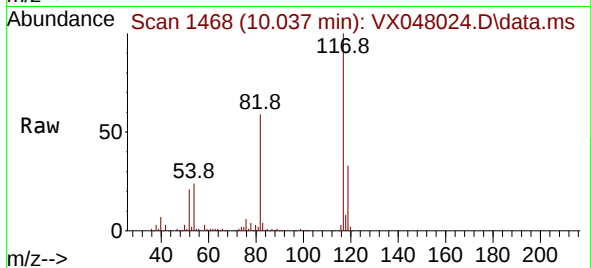
Tgt Ion: 95 Resp: 164789
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.5 0.0 138.4



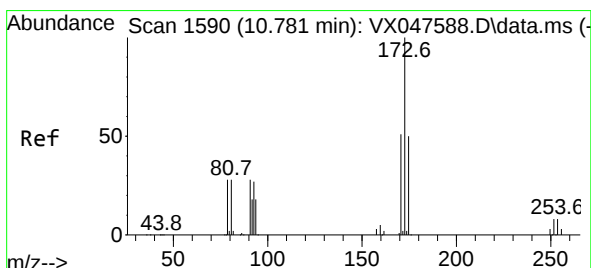
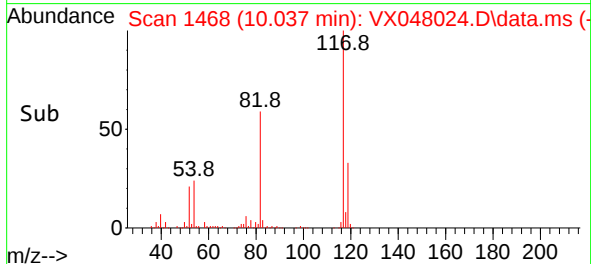
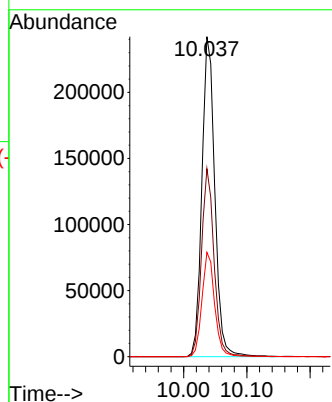


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Instrument :
MSVOA_X
ClientSampleId :
266380

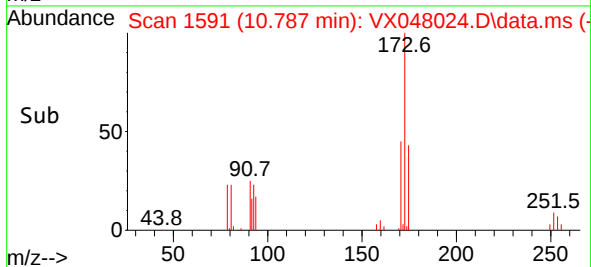
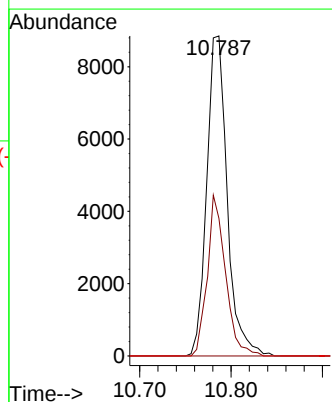
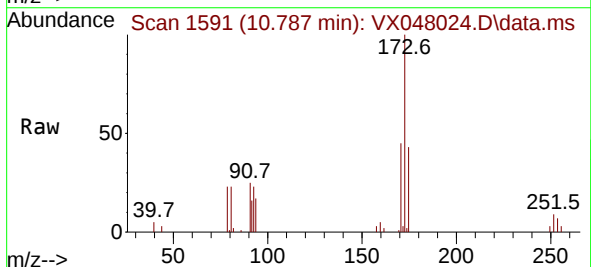


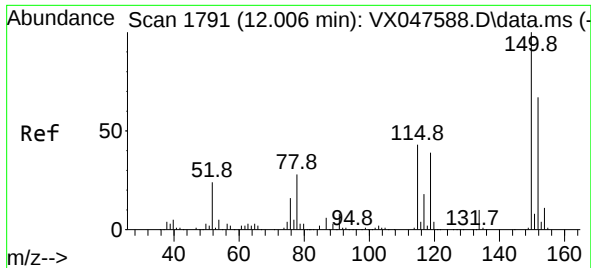
Tgt Ion:117 Resp: 344096
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.6
119 32.6 25.2 37.8



#71
Bromoform
Concen: 6.829 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX048024.D
Acq: 06 Oct 2025 15:10

Tgt Ion:173 Resp: 13756
Ion Ratio Lower Upper
173 100
175 44.7 24.9 74.6
254 0.0 0.1 0.1#

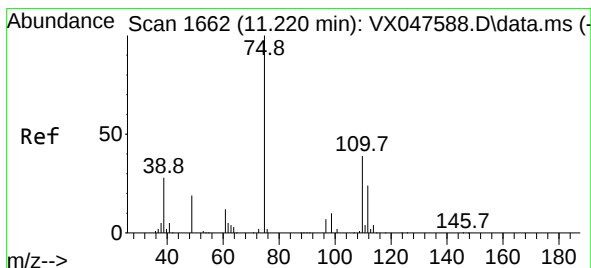
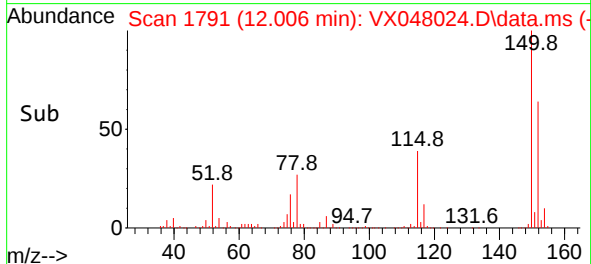
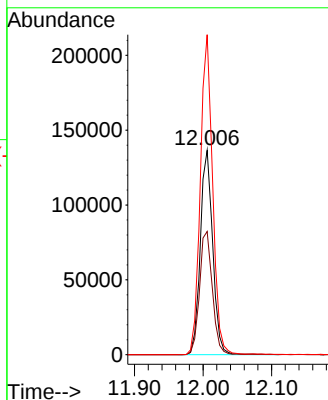
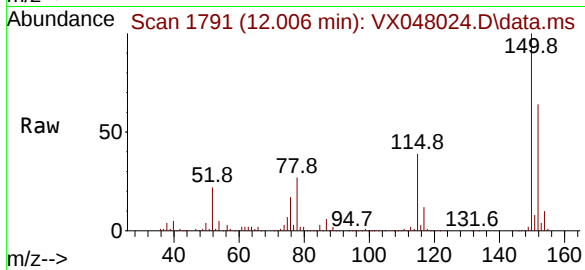




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048024.D
 Acq: 06 Oct 2025 15:10

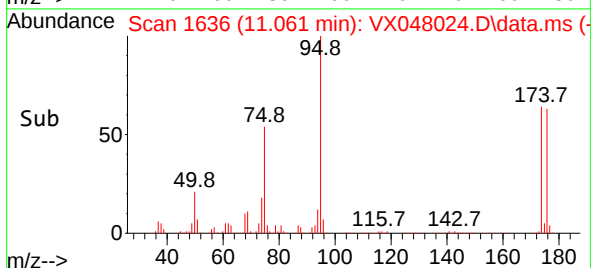
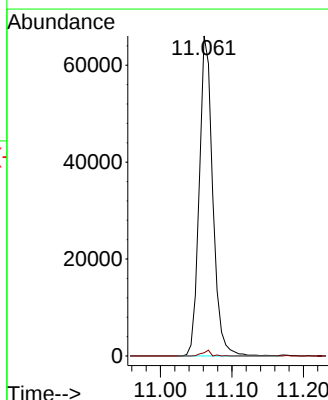
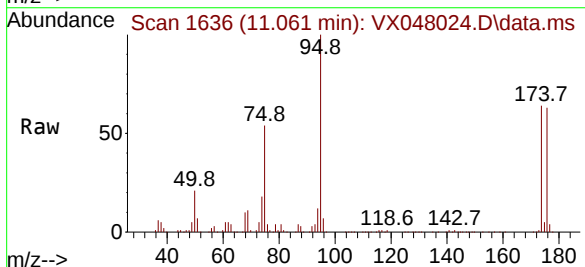
Instrument :
 MSVOA_X
 ClientSampleId :
 266380

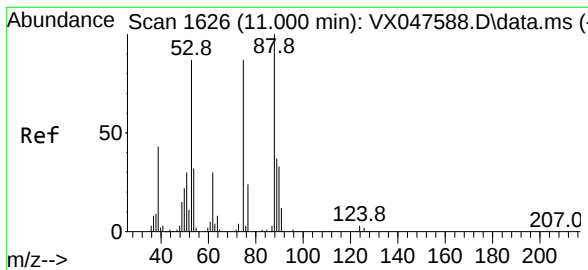
Tgt Ion:152 Resp: 172196
 Ion Ratio Lower Upper
 152 100
 115 62.5 44.9 134.5
 150 155.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.817 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048024.D
 Acq: 06 Oct 2025 15:10

Tgt Ion: 75 Resp: 86523
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.287 ug/l
 RT: 11.061 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX048024.D
 Acq: 06 Oct 2025 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 266380

Tgt Ion: 75 Resp: 86523
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

