

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047999.D
 Acq On : 03 Oct 2025 16:57
 Operator : JC/MD
 Sample : Q3248-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-600-602

Quant Time: Oct 03 23:52:21 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)

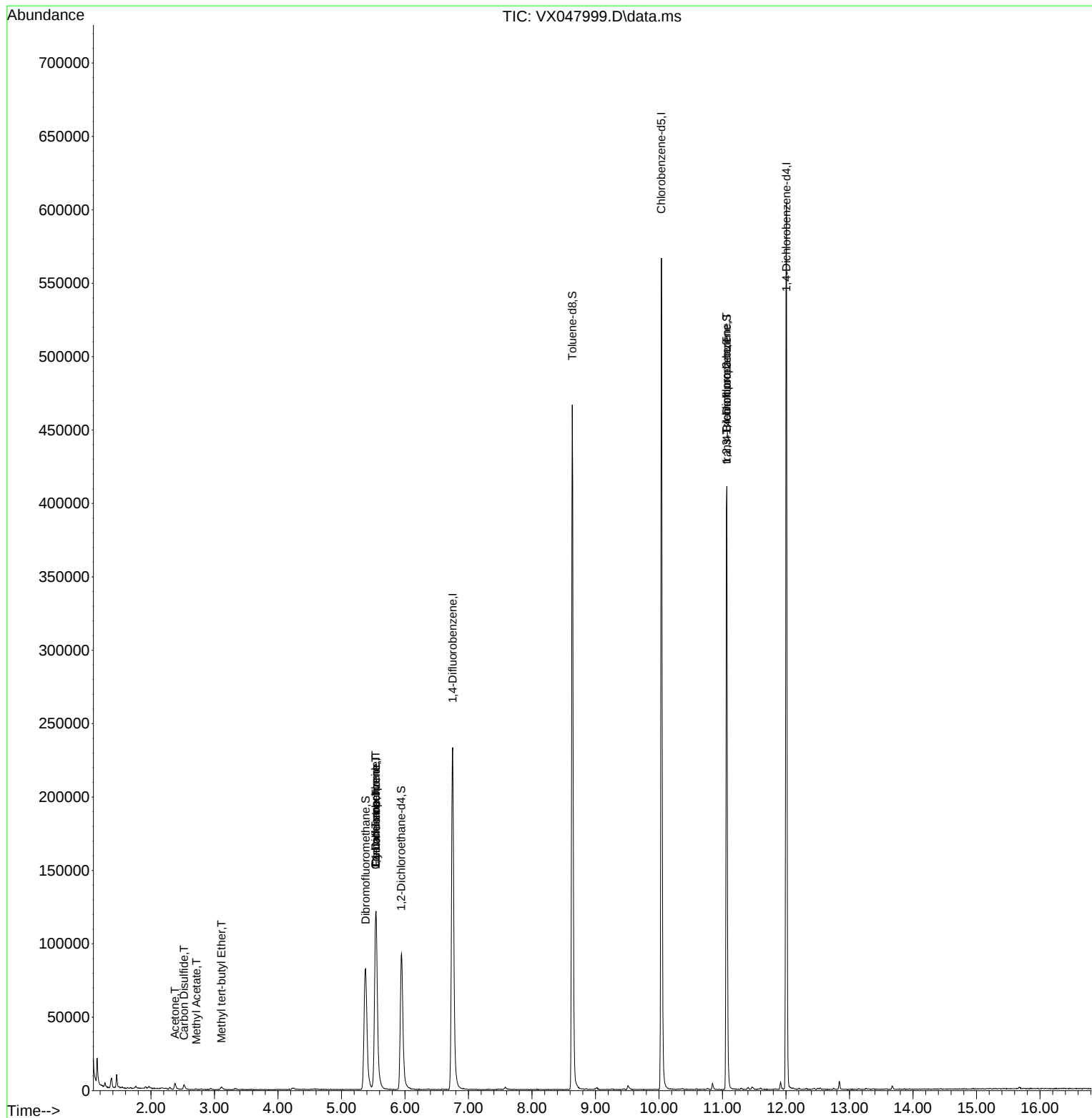
Internal Standards						
1) Pentafluorobenzene	5.544	168	121622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	253461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102599	52.998	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.000%			
35) Dibromofluoromethane	5.379	113	83583	49.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.635	98	286364	48.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.380%			
62) 4-Bromofluorobenzene	11.067	95	120162	53.830	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.660%			
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	5933	7.048	ug/l #	89
17) Carbon Disulfide	2.520	76	2867	0.725	ug/l	96
18) Methyl Acetate	2.715	43	662	0.353	ug/l #	54
19) Methyl tert-butyl Ether	3.111	73	1898	0.360	ug/l	98
31) Cyclohexane	5.544	56	2927	1.144	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11004	4.430	ug/l #	49
38) Carbon Tetrachloride	5.538	117	13187	4.886	ug/l #	19
76) 1,2,3-Trichloropropane	11.061	75	63014	24.357	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.061	75	63014	62.113	ug/l #	8

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

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BP-VPB-184-GW-600-602

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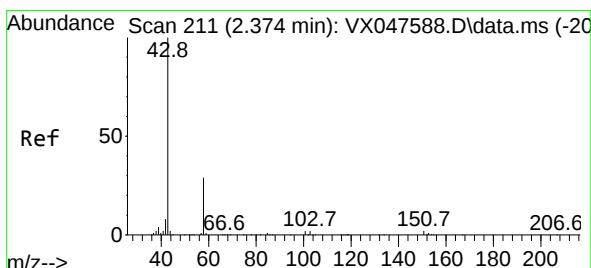
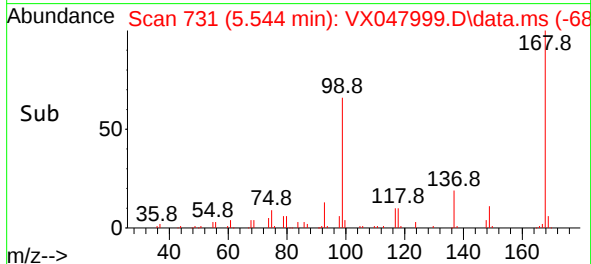
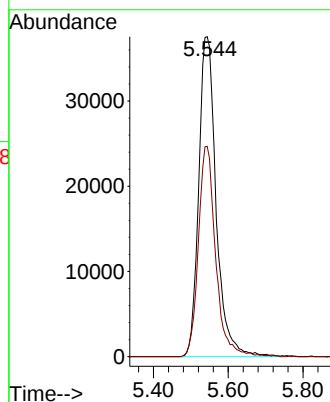
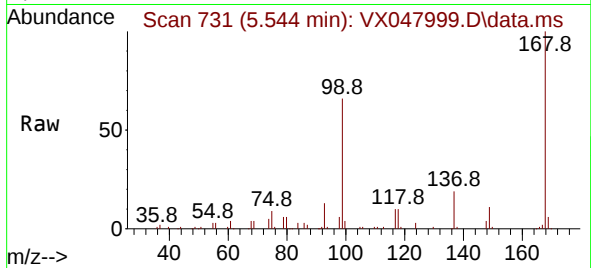




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

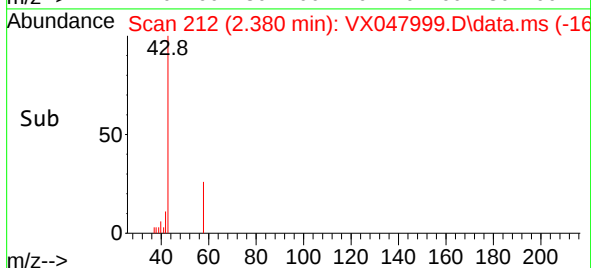
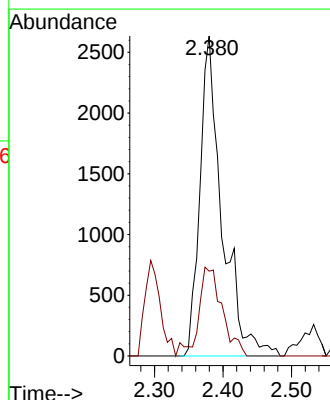
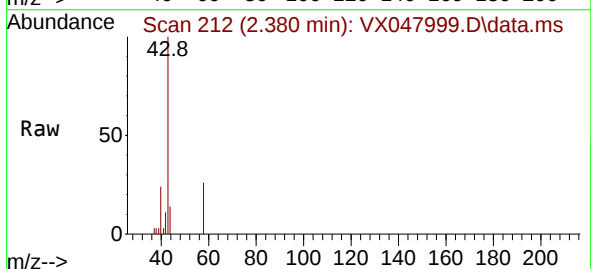
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

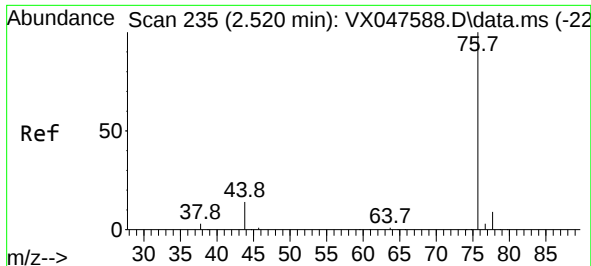
Tgt Ion:168 Resp: 121622
Ion Ratio Lower Upper
168 100
99 65.7 48.8 73.2



#16
Acetone
Concen: 7.048 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 43 Resp: 5933
Ion Ratio Lower Upper
43 100
58 23.2 23.4 35.0#





#17

Carbon Disulfide

Concen: 0.725 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047999.D

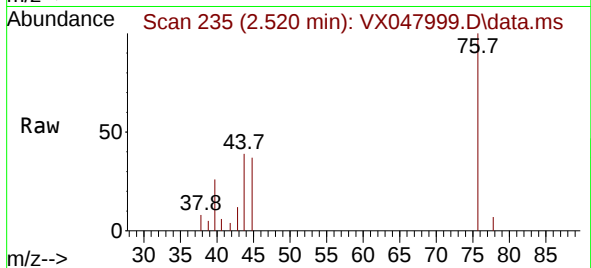
Acq: 03 Oct 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-600-602

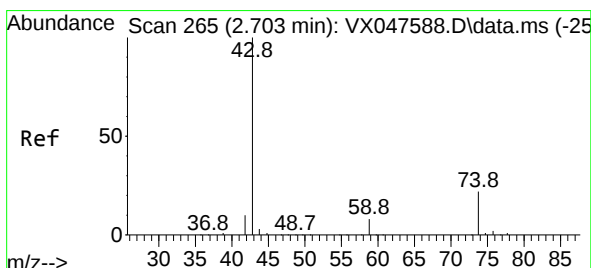
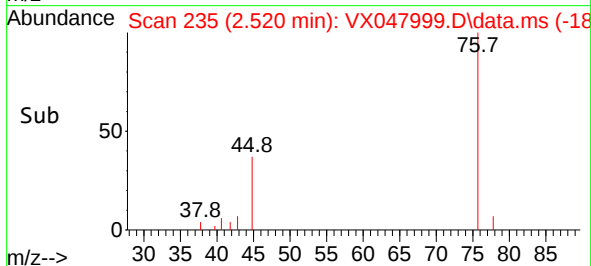
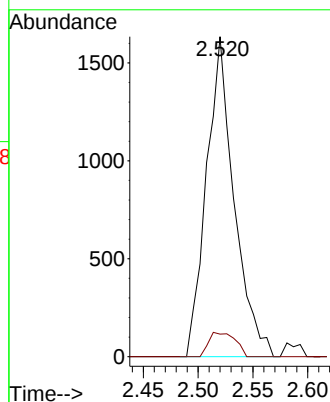


Tgt Ion: 76 Resp: 2867

Ion Ratio Lower Upper

76 100

78 7.0 6.8 10.2



#18

Methyl Acetate

Concen: 0.353 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX047999.D

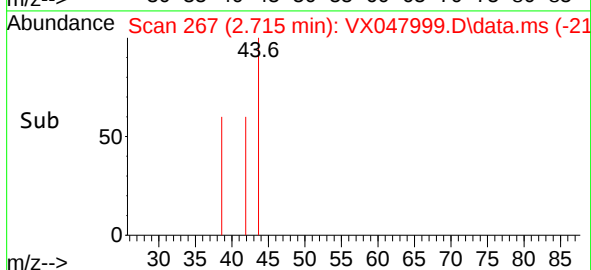
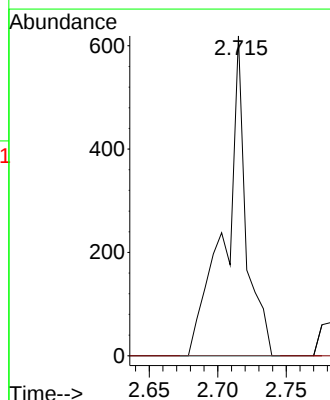
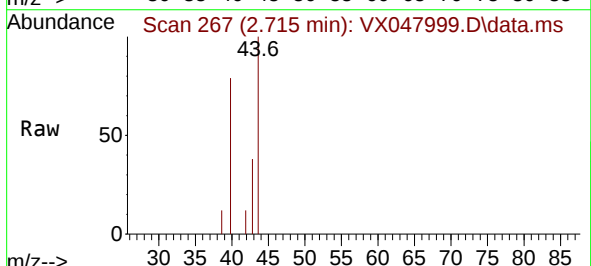
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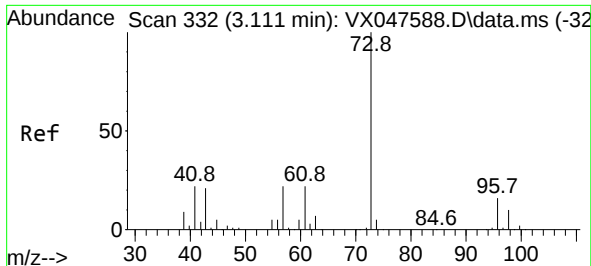
Tgt Ion: 43 Resp: 662

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#

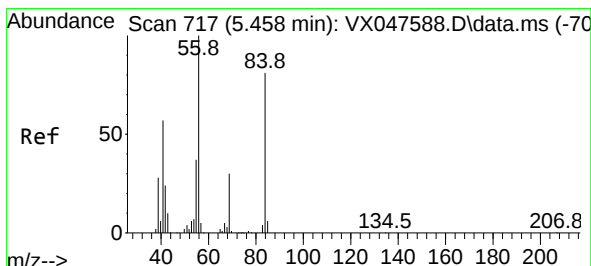
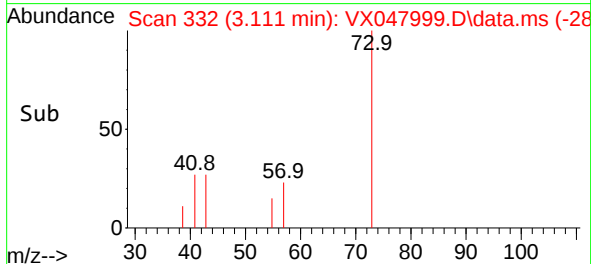
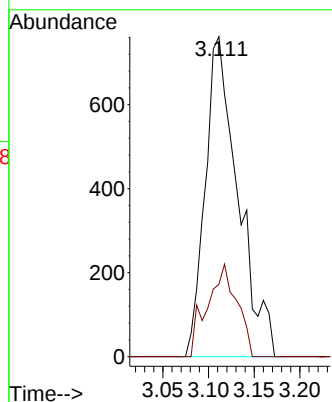
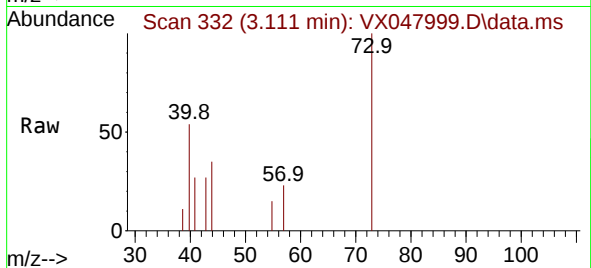




#19
Methyl tert-butyl Ether
Concen: 0.360 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

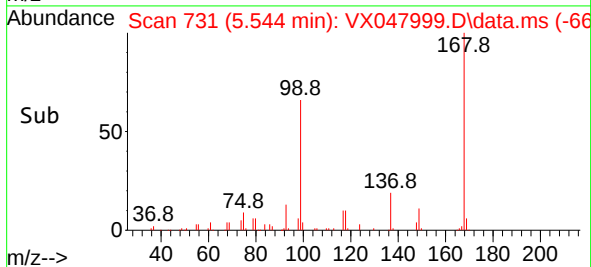
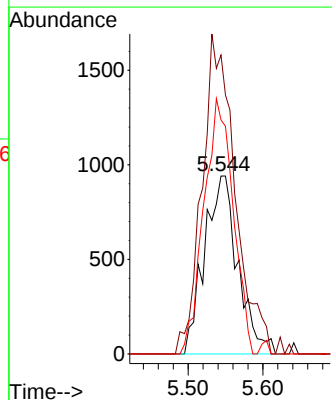
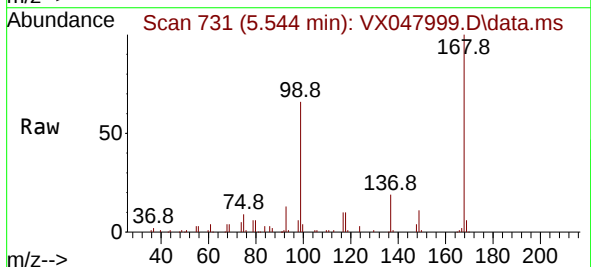
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion: 73 Resp: 1898
Ion Ratio Lower Upper
73 100
57 22.6 17.4 26.2



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 56 Resp: 2927
Ion Ratio Lower Upper
56 100
69 158.4 23.8 35.8#
84 131.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.998 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047999.D

Acq: 03 Oct 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

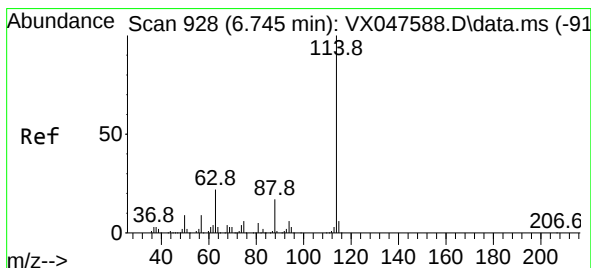
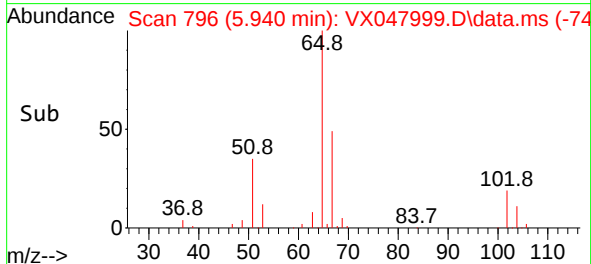
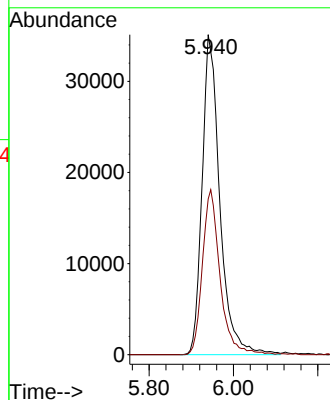
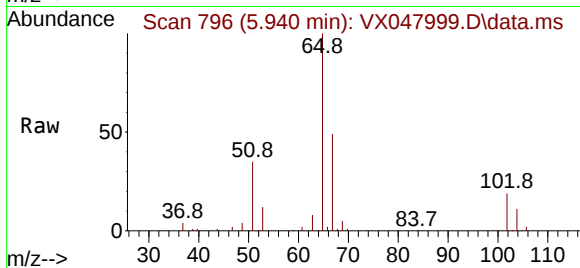
BP-VPB-184-GW-600-602

Tgt Ion: 65 Resp: 102599

Ion Ratio Lower Upper

65 100

67 51.4 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: VX047999.D

Acq: 03 Oct 2025 16:57

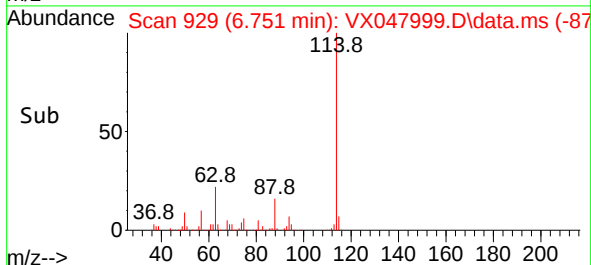
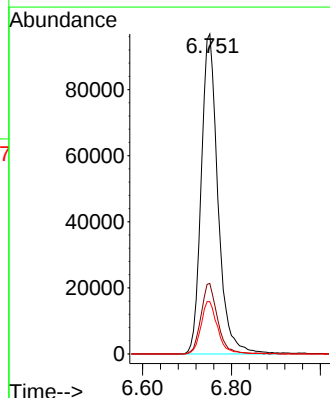
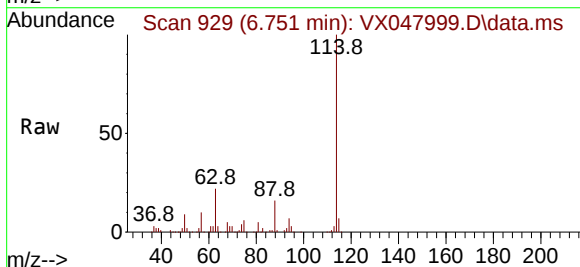
Tgt Ion: 114 Resp: 253461

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.3 0.0 34.2

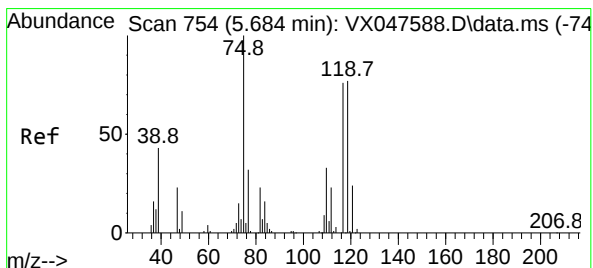
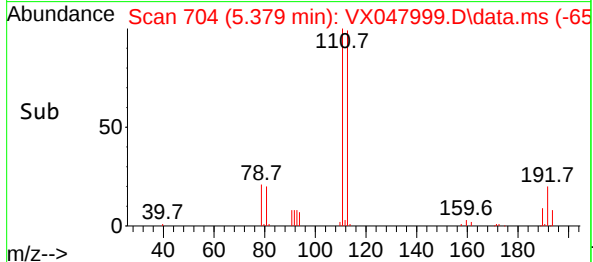
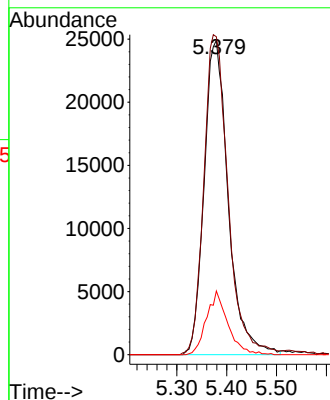
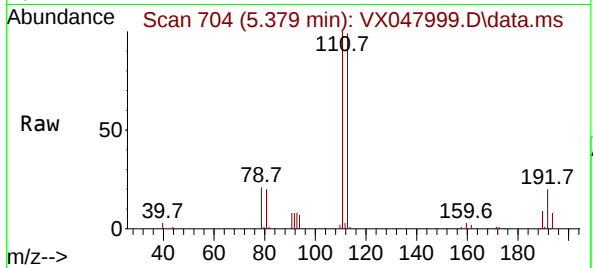




#35
Dibromofluoromethane
Concen: 49.171 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

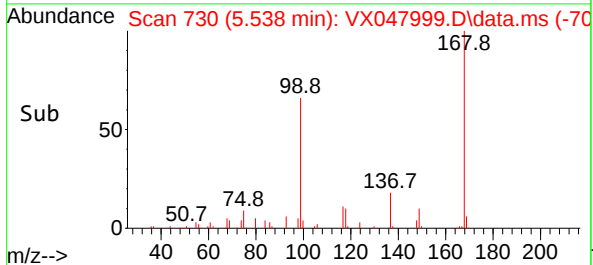
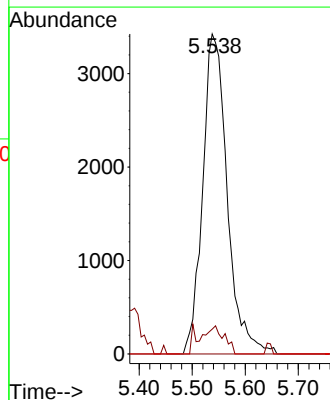
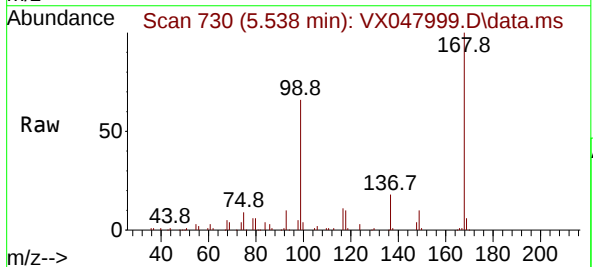
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion:113 Resp: 83583
Ion Ratio Lower Upper
113 100
111 102.2 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.430 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

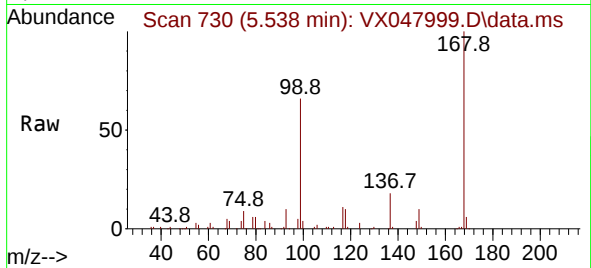
Tgt Ion: 75 Resp: 11004
Ion Ratio Lower Upper
75 100
110 6.8 16.7 50.1#
77 0.0 24.3 36.5#



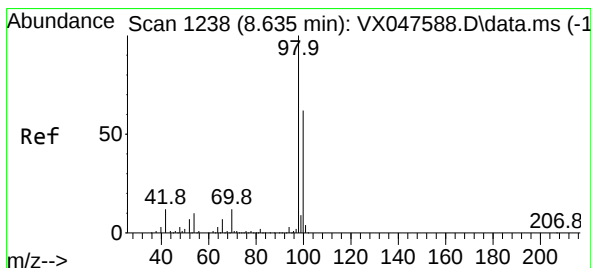
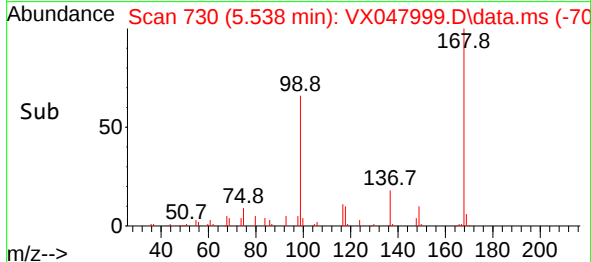
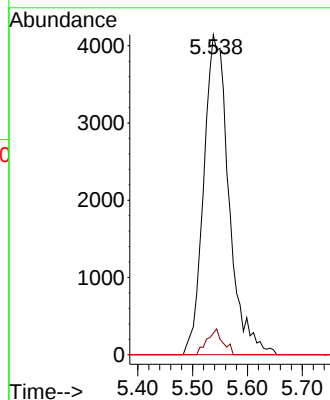


#38
Carbon Tetrachloride
Concen: 4.886 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

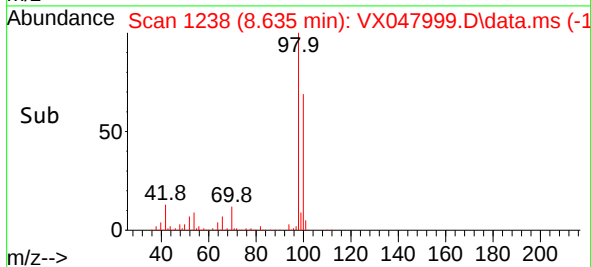
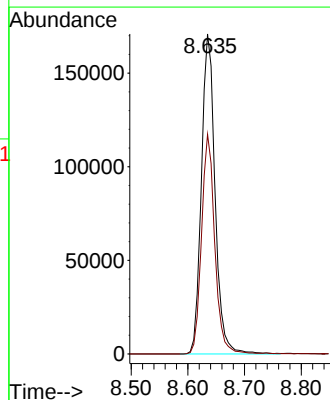
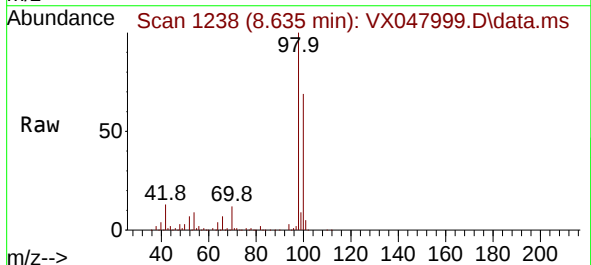


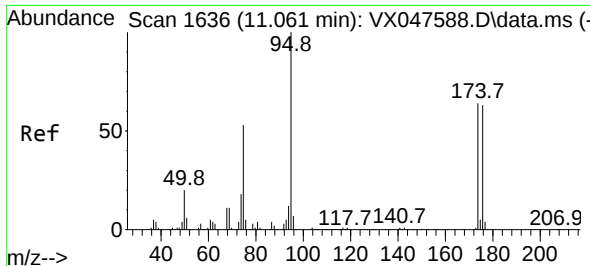
Tgt Ion:117 Resp: 13187
Ion Ratio Lower Upper
117 100
119 6.7 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.686 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 98 Resp: 286364
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4

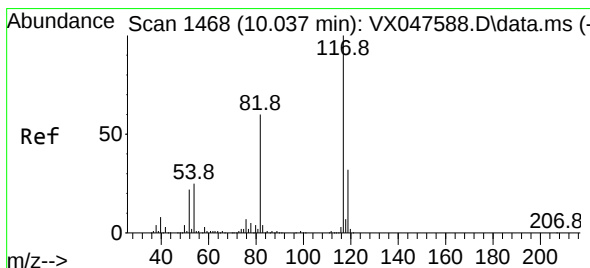
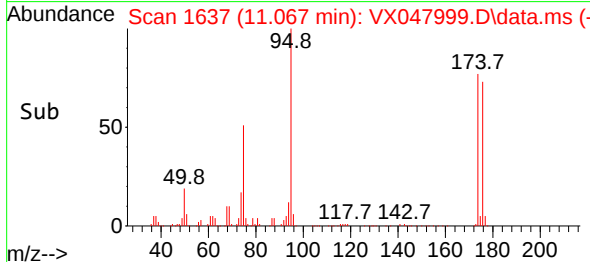
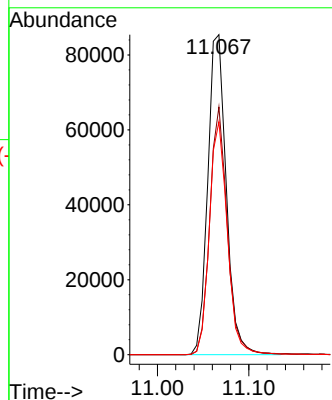
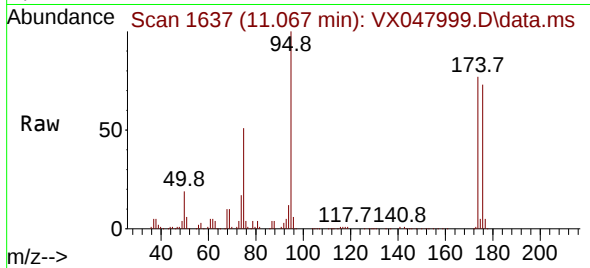




#62
4-Bromofluorobenzene
Concen: 53.830 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

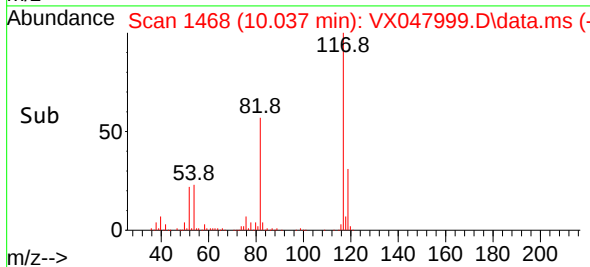
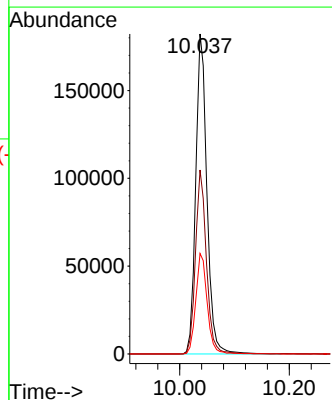
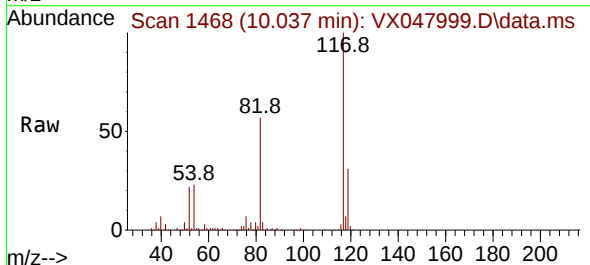
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

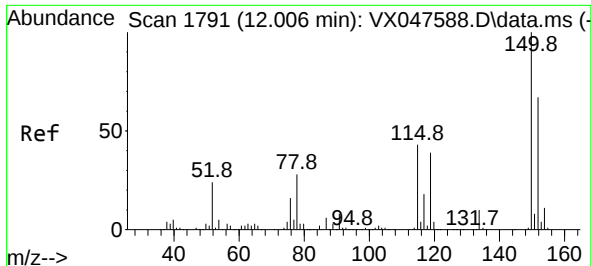
Tgt Ion: 95 Resp: 120162
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.6
176 70.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 117 Resp: 259302
Ion Ratio Lower Upper
117 100
82 57.5 47.8 71.6
119 31.4 25.2 37.8

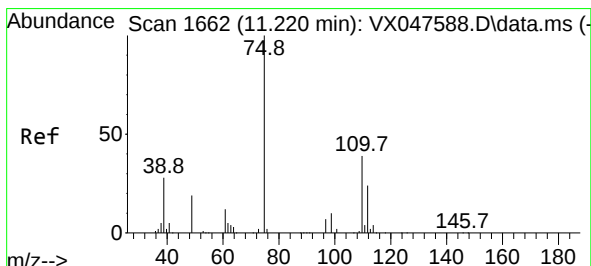
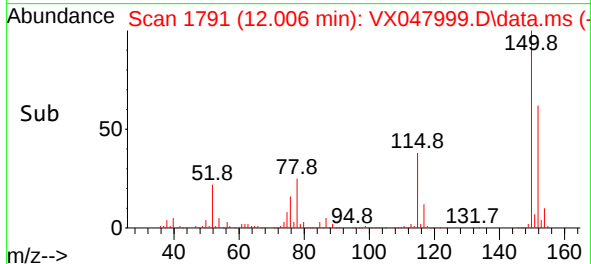
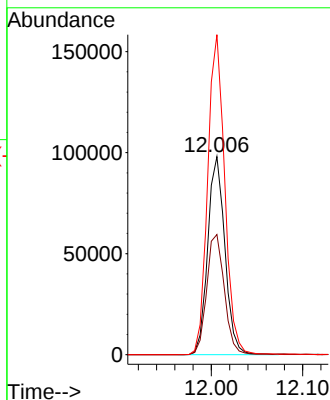
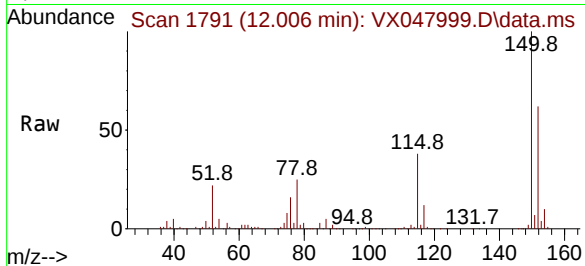




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047999.D
 Acq: 03 Oct 2025 16:57

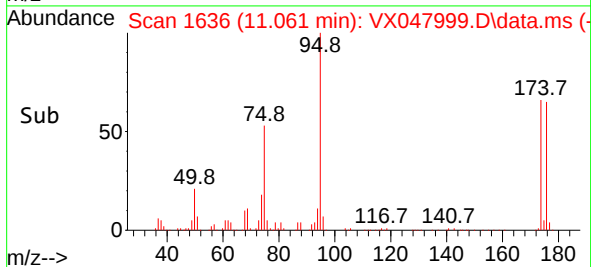
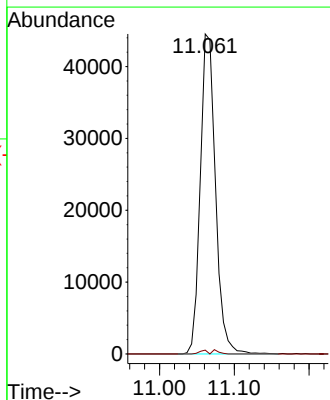
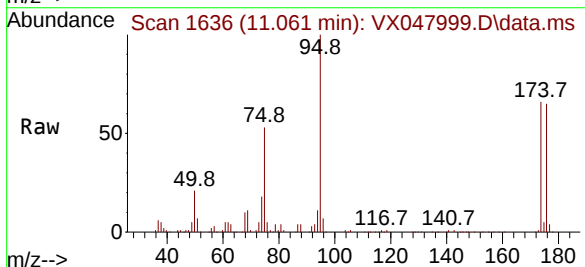
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-600-602

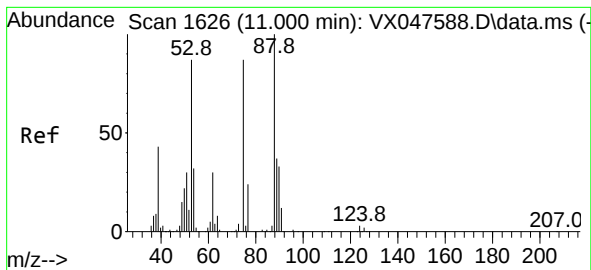
Tgt Ion:152 Resp: 127779
 Ion Ratio Lower Upper
 152 100
 115 62.5 44.9 134.5
 150 160.7 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.357 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX047999.D
 Acq: 03 Oct 2025 16:57

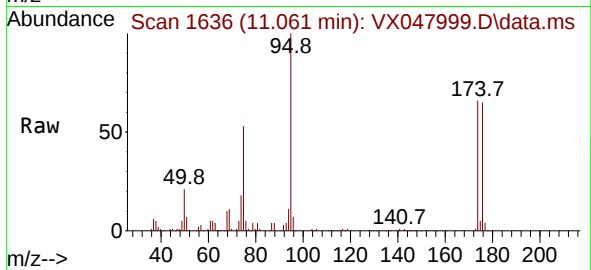
Tgt Ion: 75 Resp: 63014
 Ion Ratio Lower Upper
 75 100
 77 0.6 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.113 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047999.D
 Acq: 03 Oct 2025 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-600-602



Tgt Ion: 75 Resp: 63014
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

