

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047997.D
 Acq On : 03 Oct 2025 16:15
 Operator : JC/MD
 Sample : Q3248-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-560-562

Quant Time: Oct 03 23:51:33 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)

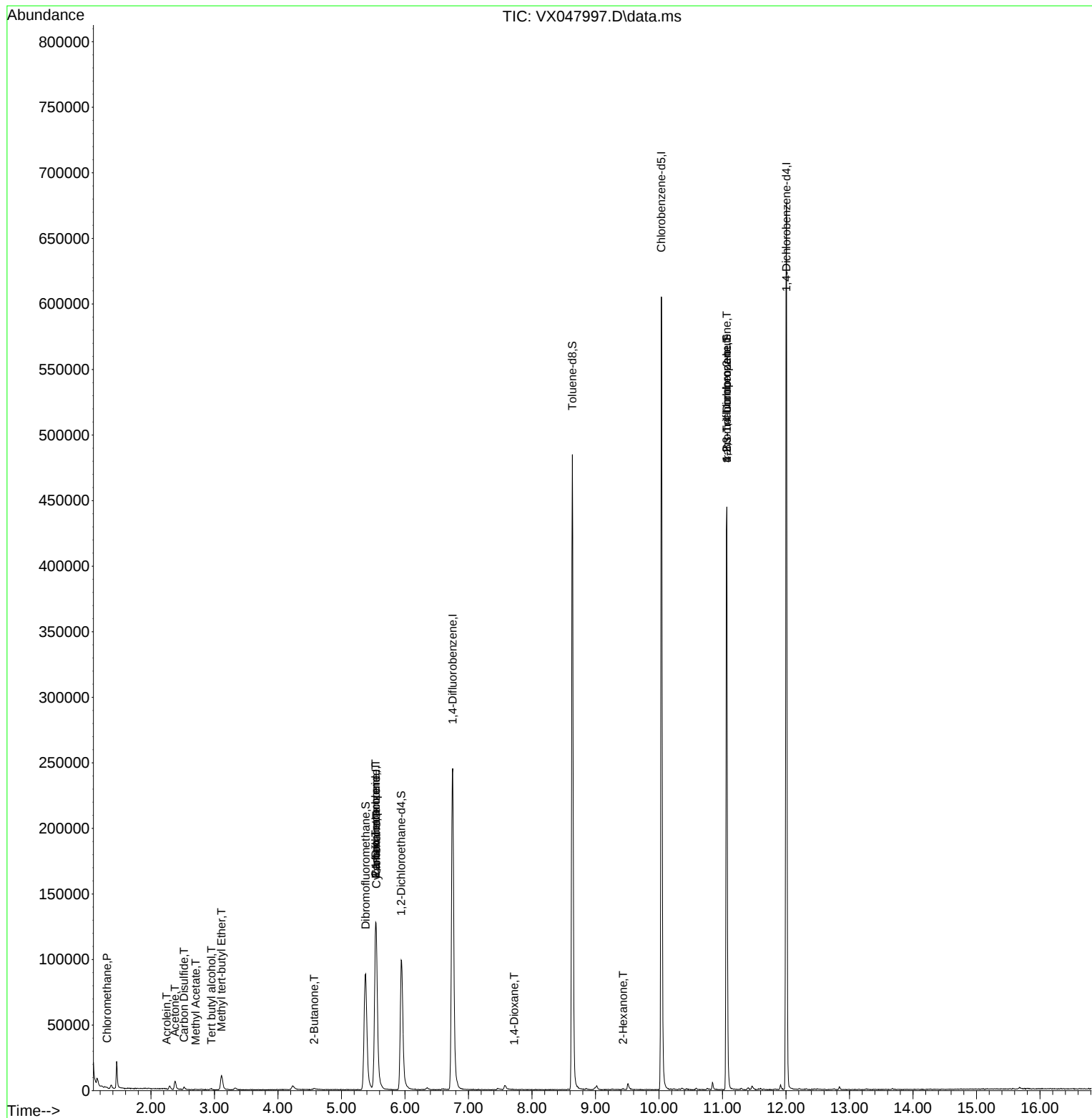
Internal Standards						
1) Pentafluorobenzene	5.544	168	130796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	267996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108556	52.142	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.280%	
35) Dibromofluoromethane	5.379	113	87389	48.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.240%	
50) Toluene-d8	8.635	98	299916	48.225	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	11.067	95	129204	54.741	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.480%	
Target Compounds						Qvalue
3) Chloromethane	1.307	50	604	0.339	ug/l	95
11) Tert butyl alcohol	2.953	59	245	1.057	ug/l #	72
13) Acrolein	2.246	56	84	0.393	ug/l #	14
16) Acetone	2.380	43	8557	9.453	ug/l	92
17) Carbon Disulfide	2.520	76	1095	0.257	ug/l	96
18) Methyl Acetate	2.703	43	464	0.230	ug/l #	75
19) Methyl tert-butyl Ether	3.111	73	12546	2.212	ug/l #	91
25) 2-Butanone	4.568	43	1611	1.427	ug/l	97
31) Cyclohexane	5.550	56	2845	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11890	4.527	ug/l #	49
38) Carbon Tetrachloride	5.538	117	13618	4.772	ug/l #	15
49) 1,4-Dioxane	7.720	88	25	1.077	ug/l #	21
59) 2-Hexanone	9.433	43	537	0.292	ug/l	97
76) 1,2,3-Trichloropropane	11.067	75	68724	24.058	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	68724	61.350	ug/l #	8

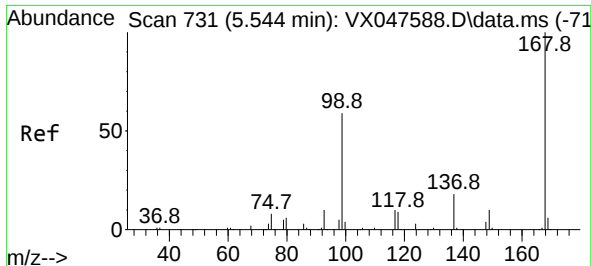
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

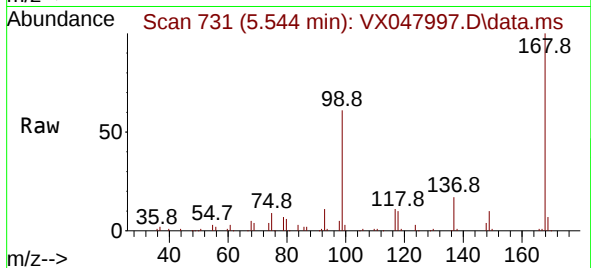
Quant Time: Oct 03 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



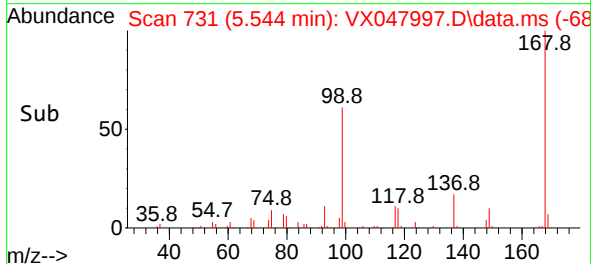
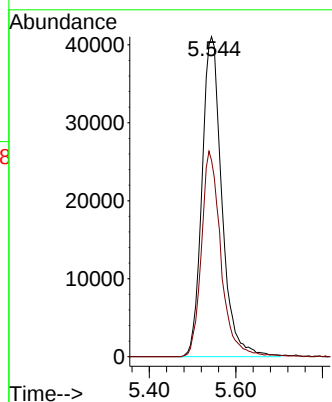


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

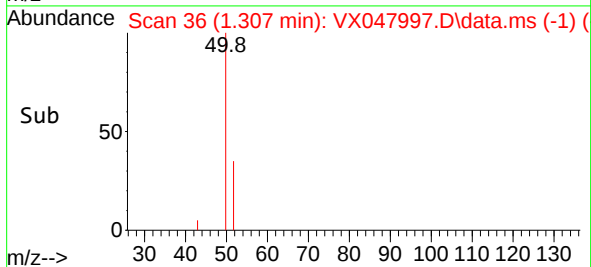
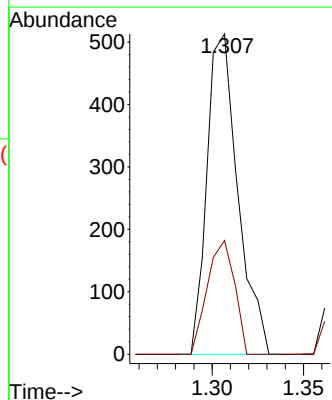
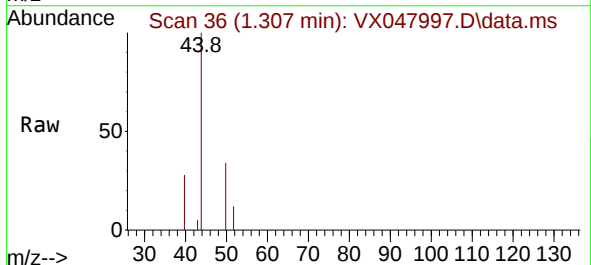


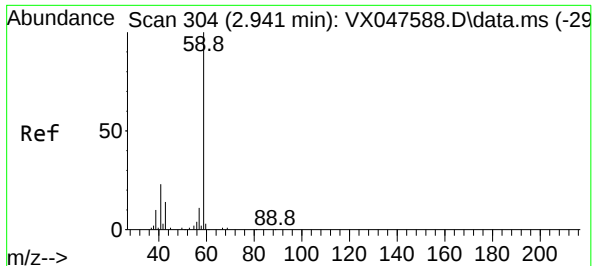
Tgt Ion:168 Resp: 130796
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#3
Chloromethane
Concen: 0.339 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 50 Resp: 604
Ion Ratio Lower Upper
50 100
52 35.5 26.1 39.1





#11

Tert butyl alcohol

Concen: 1.057 ug/l

RT: 2.953 min Scan# 304

Delta R.T. 0.012 min

Lab File: VX047997.D

Acq: 03 Oct 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

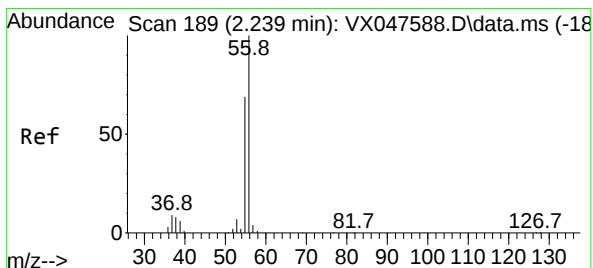
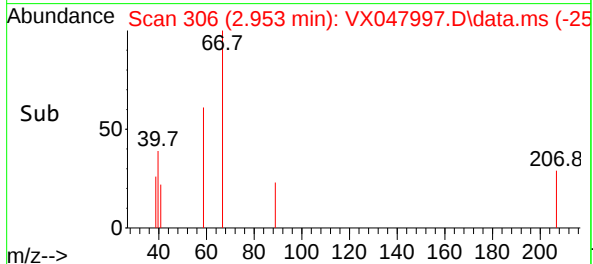
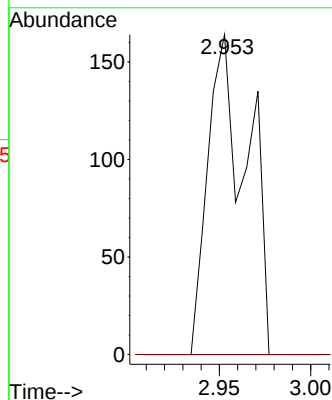
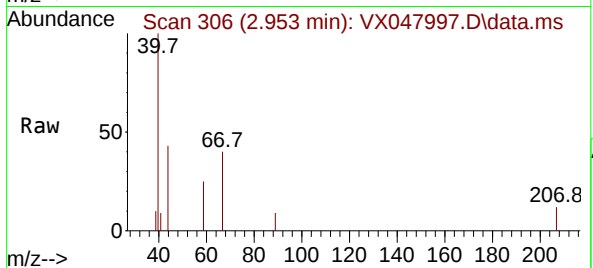
BP-VPB-184-GW-560-562

Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.393 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX047997.D

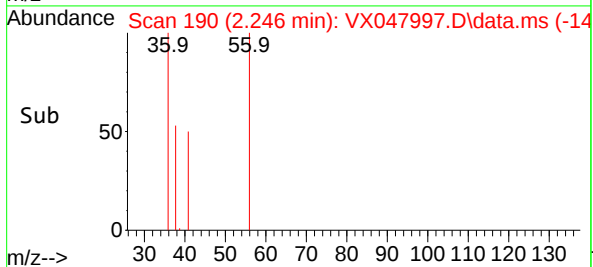
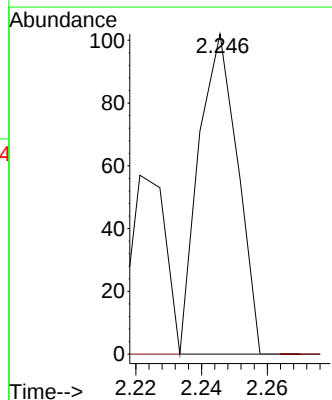
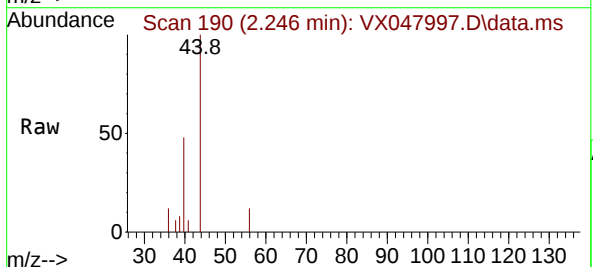
Acq: 03 Oct 2025 16:15

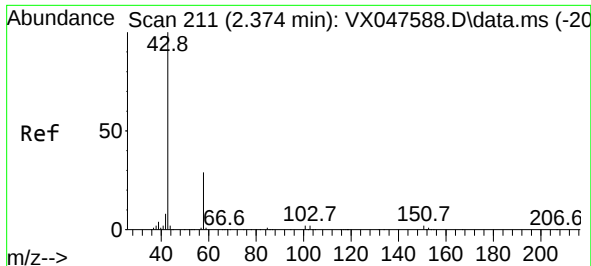
Tgt Ion: 56 Resp: 84

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#

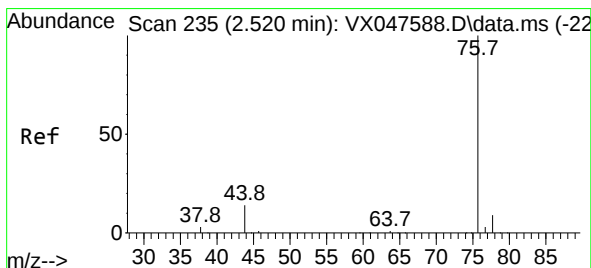
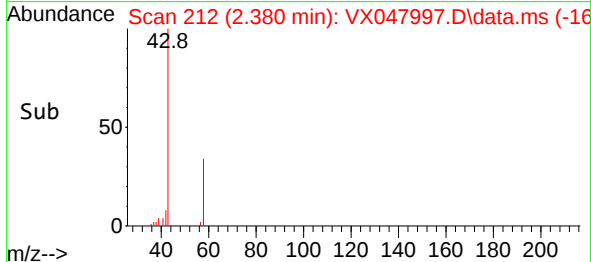
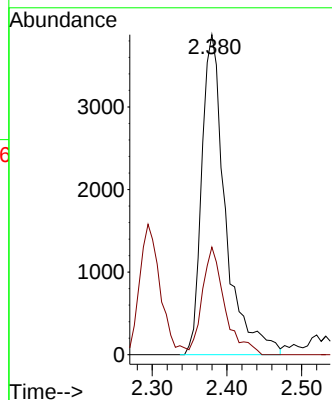
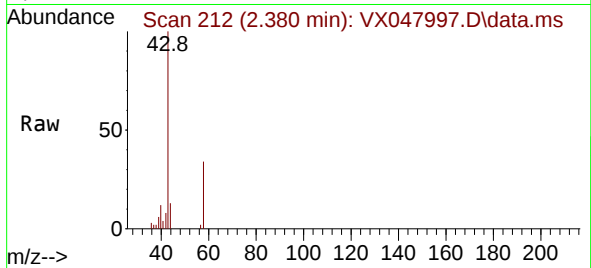




#16
Acetone
Concen: 9.453 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

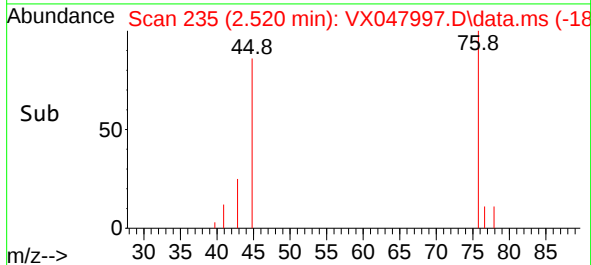
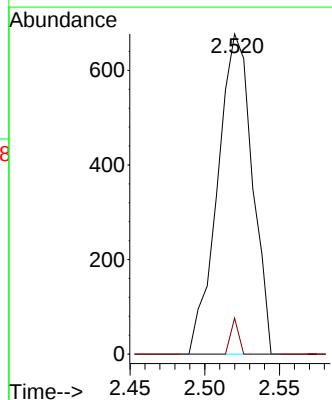
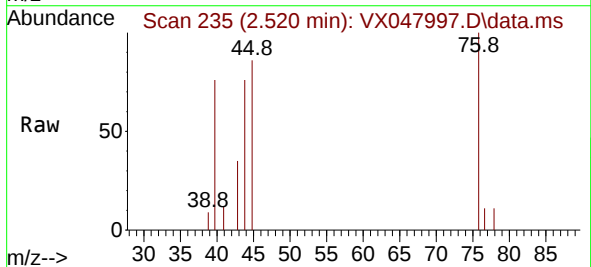
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

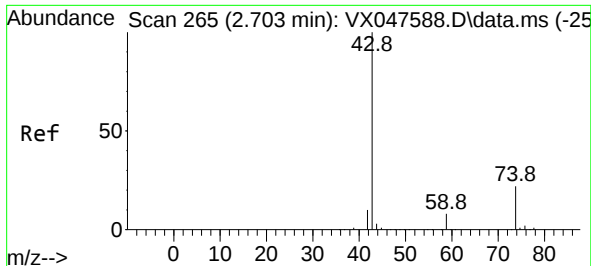
Tgt Ion: 43 Resp: 8557
Ion Ratio Lower Upper
43 100
58 33.6 23.4 35.0



#17
Carbon Disulfide
Concen: 0.257 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 76 Resp: 1095
Ion Ratio Lower Upper
76 100
78 10.1 6.8 10.2

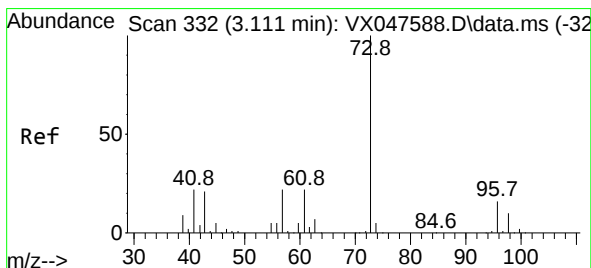
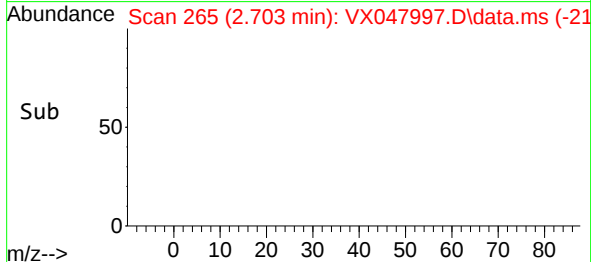
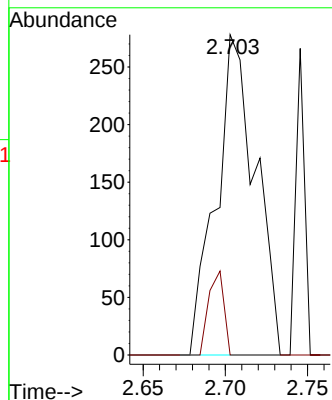
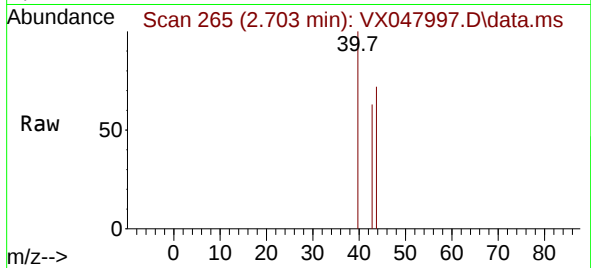




#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

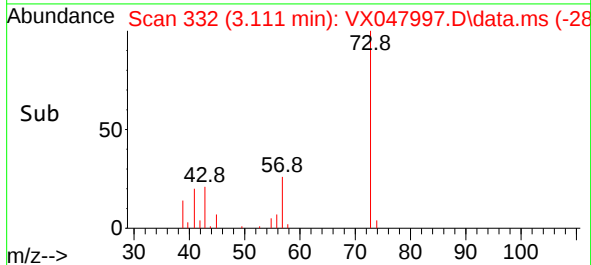
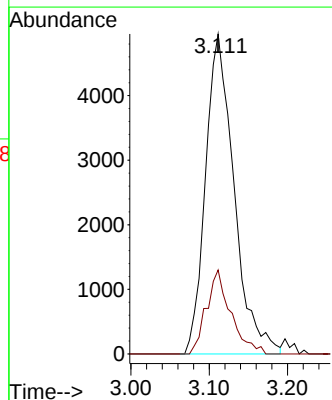
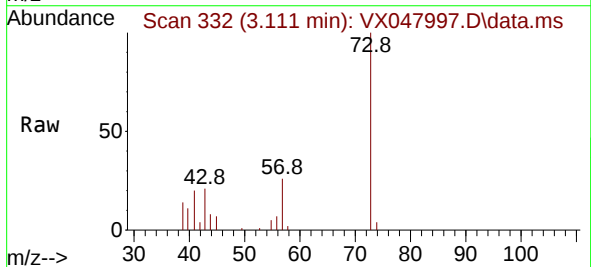
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

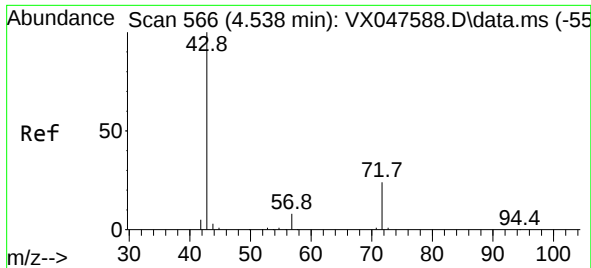
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
74 10.1 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 2.212 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 73 Resp: 12546
Ion Ratio Lower Upper
73 100
57 26.3 17.4 26.2#

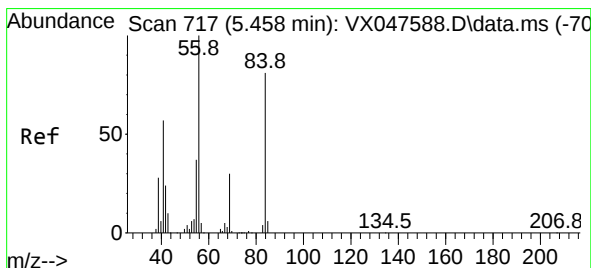
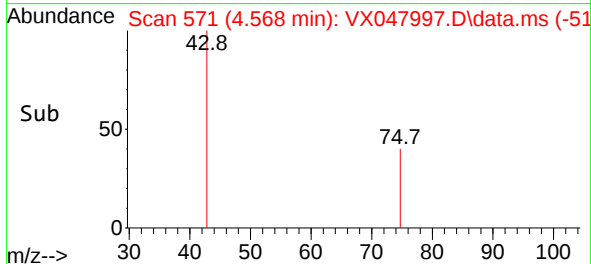
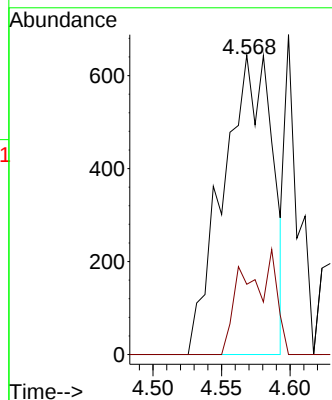
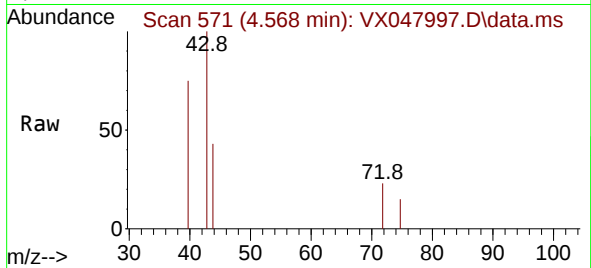




#25
2-Butanone
Concen: 1.427 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

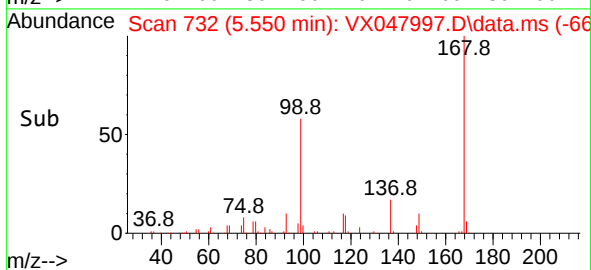
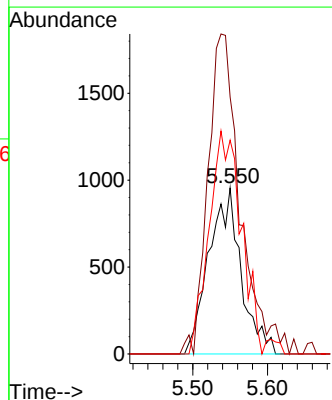
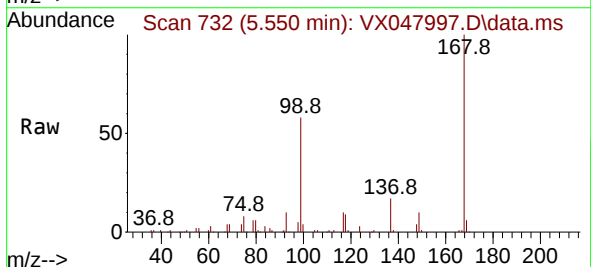
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

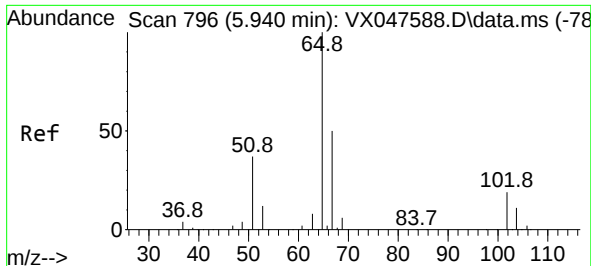
Tgt Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
72 23.4 20.1 30.1



#31
Cyclohexane
Concen: 1.034 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 56 Resp: 2845
Ion Ratio Lower Upper
56 100
69 154.6 23.8 35.8#
84 128.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.142 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047997.D

Acq: 03 Oct 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

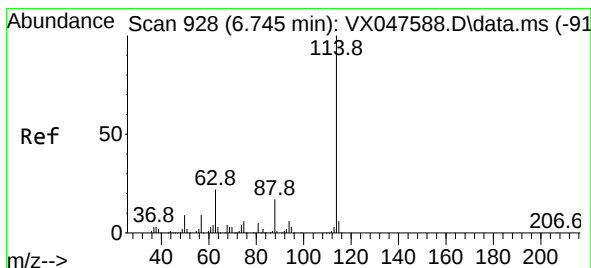
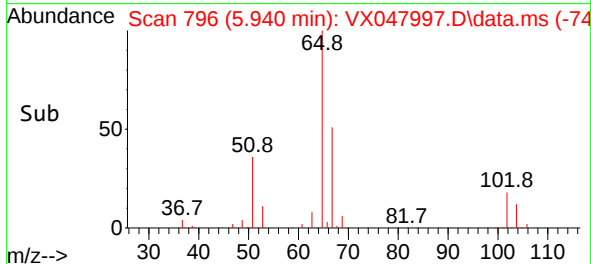
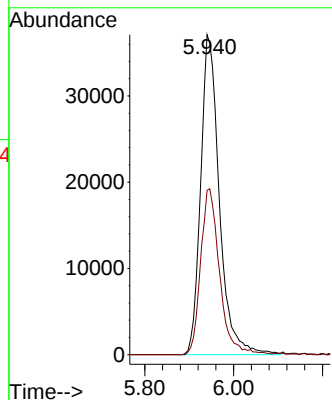
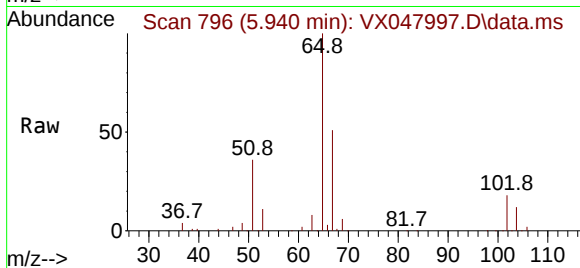
BP-VPB-184-GW-560-562

Tgt Ion: 65 Resp: 108556

Ion Ratio Lower Upper

65 100

67 52.5 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: VX047997.D

Acq: 03 Oct 2025 16:15

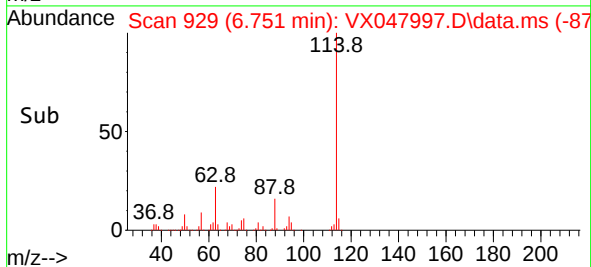
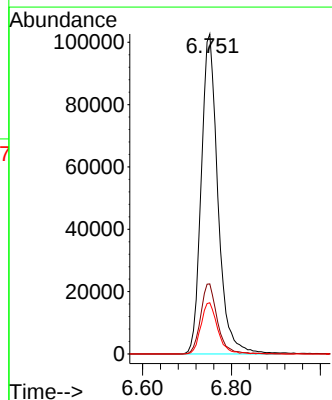
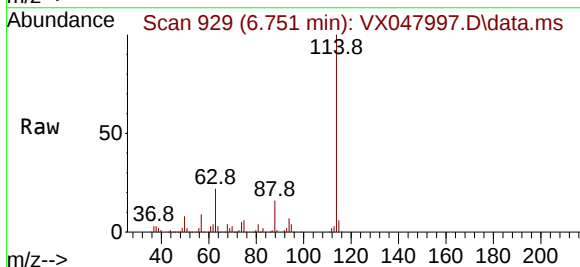
Tgt Ion: 114 Resp: 267996

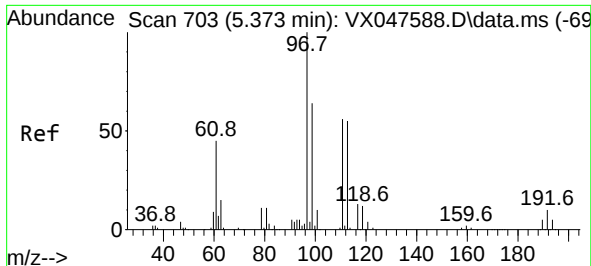
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.0 0.0 34.2

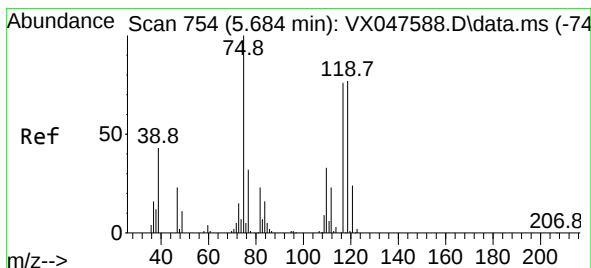
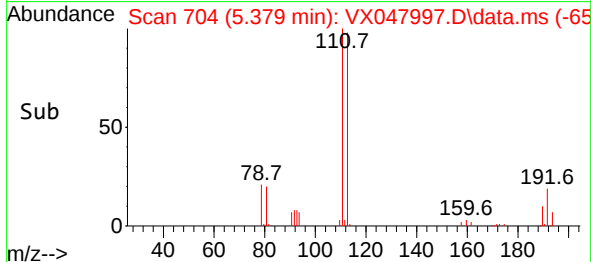
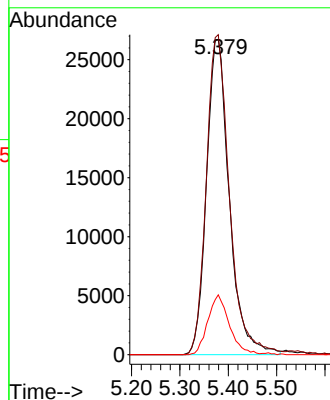
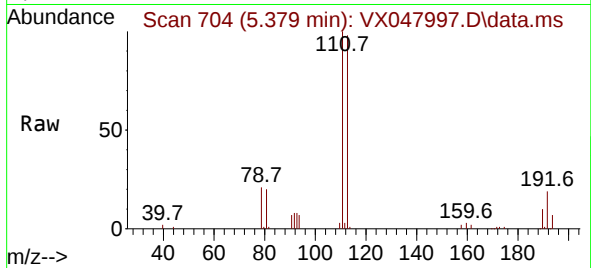




#35
Dibromofluoromethane
Concen: 48.622 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

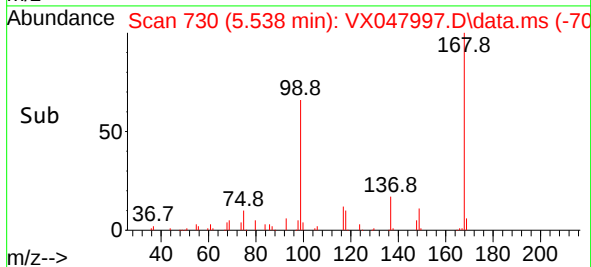
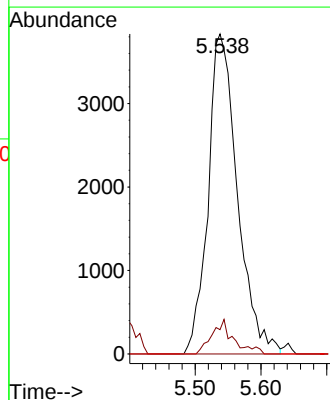
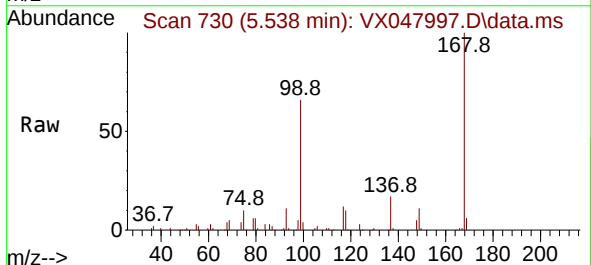
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

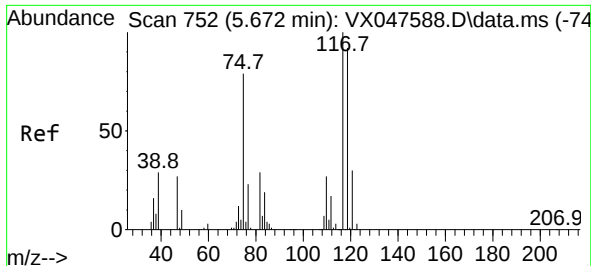
Tgt Ion:113 Resp: 87389
Ion Ratio Lower Upper
113 100
111 103.1 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

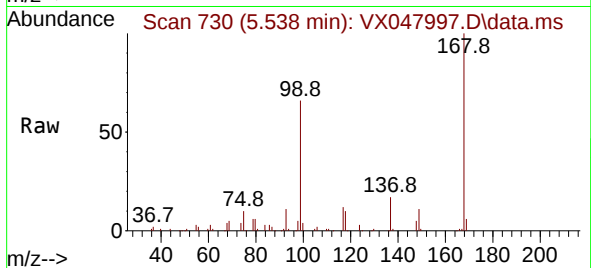
Tgt Ion: 75 Resp: 11890
Ion Ratio Lower Upper
75 100
110 7.0 16.7 50.1#
77 0.0 24.3 36.5#



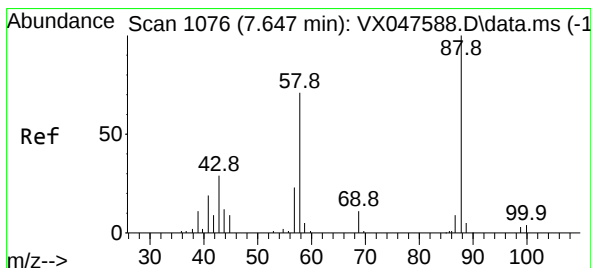
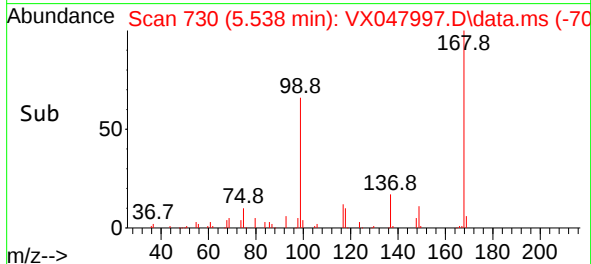
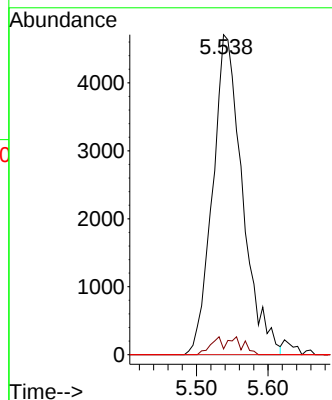


#38
Carbon Tetrachloride
Concen: 4.772 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

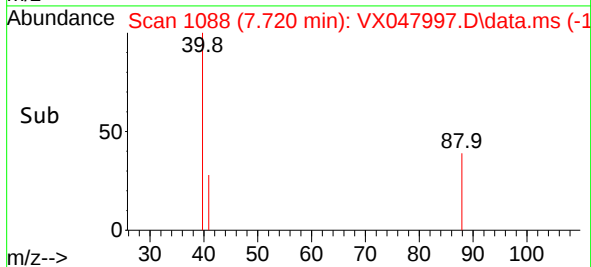
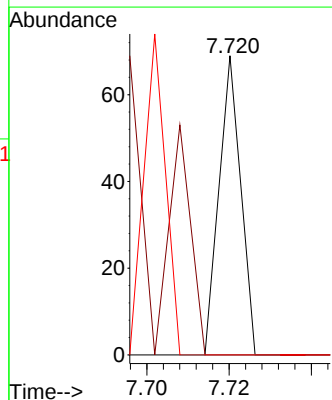
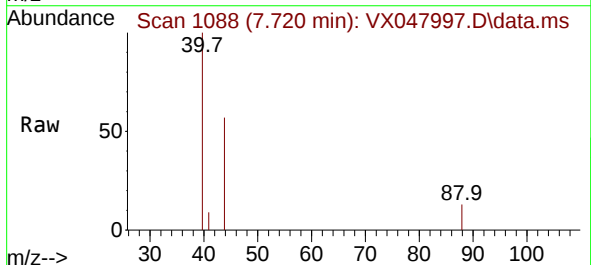


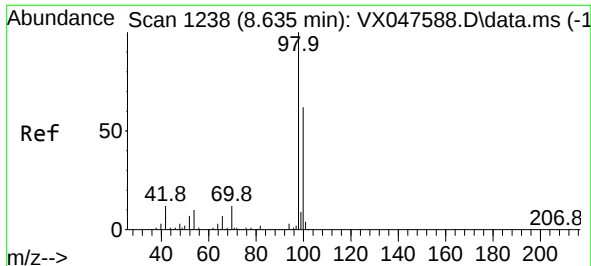
Tgt Ion: 117 Resp: 13618
Ion Ratio Lower Upper
117 100
119 1.8 73.4 110.2#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 1.077 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.073 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.2#
58 0.0 59.5 89.3#

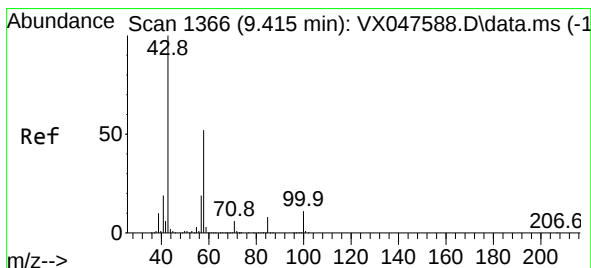
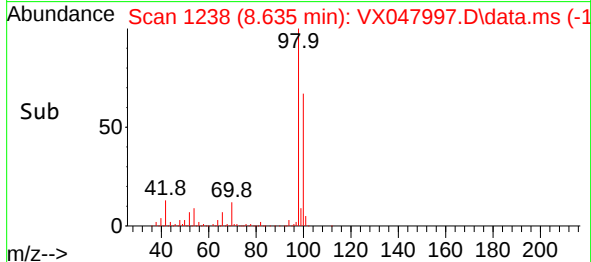
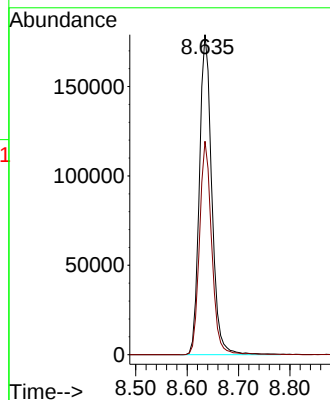
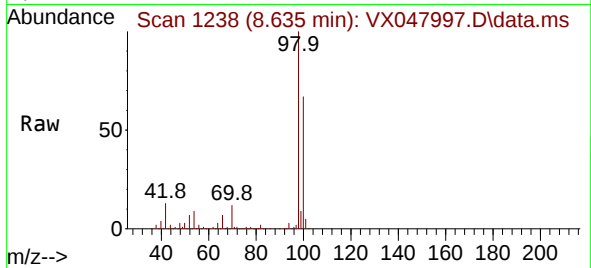




#50
Toluene-d8
Concen: 48.225 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

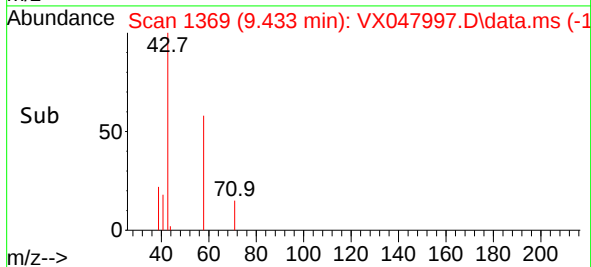
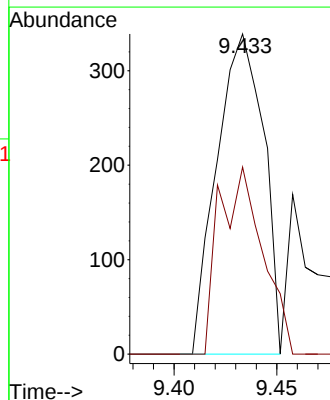
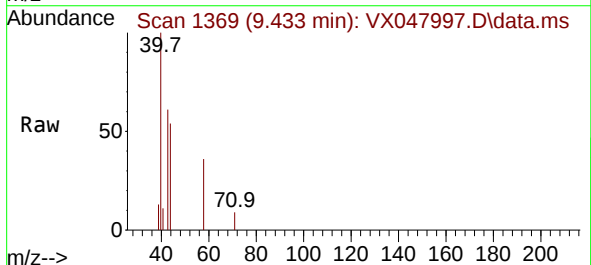
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

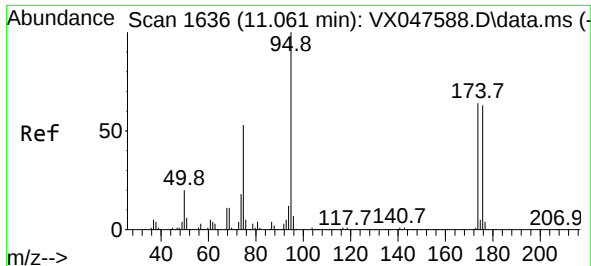
Tgt Ion: 98 Resp: 299916
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#59
2-Hexanone
Concen: 0.292 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.018 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 54.4 26.1 78.2

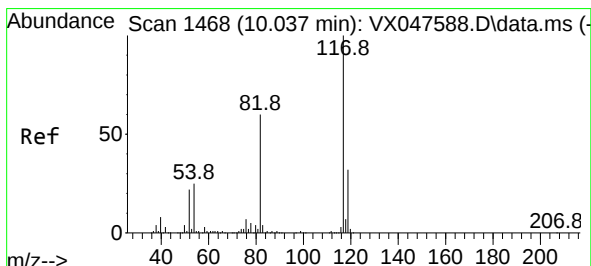
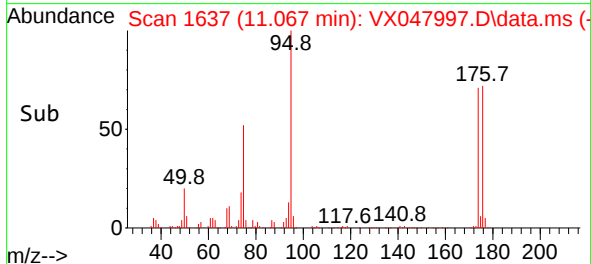
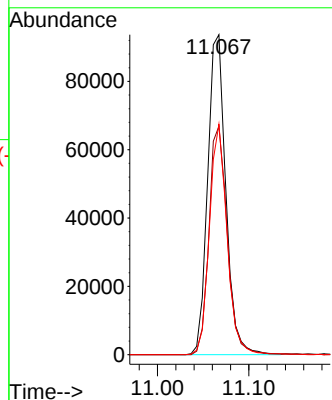
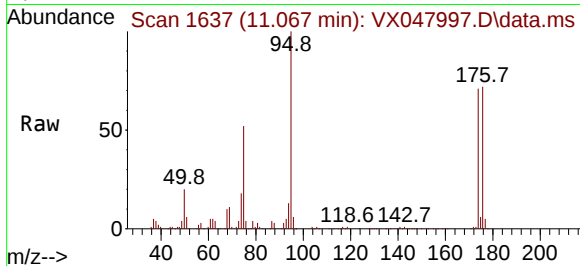




#62
4-Bromofluorobenzene
Concen: 54.741 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

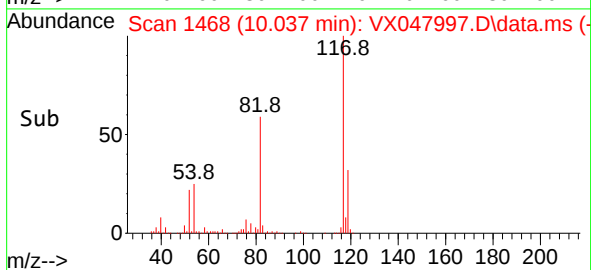
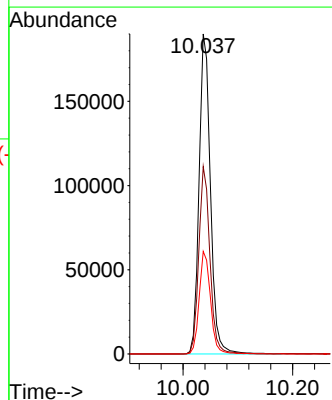
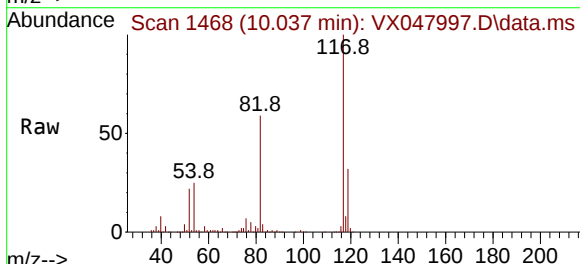
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

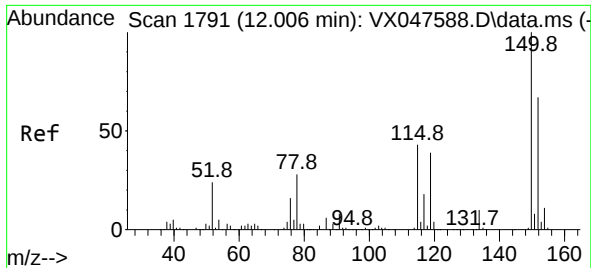
Tgt Ion: 95 Resp: 129204
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 70.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 117 Resp: 274276
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.1 25.2 37.8

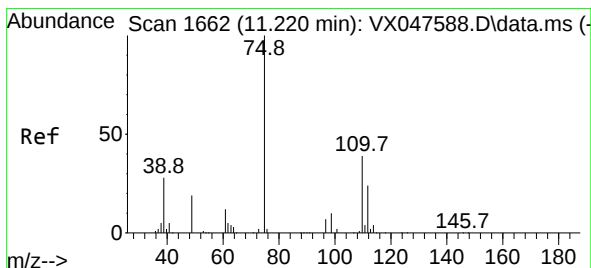
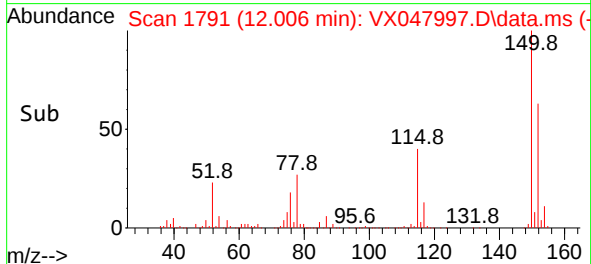
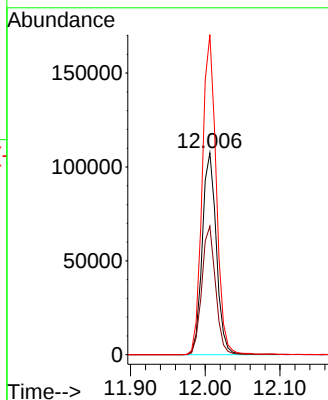
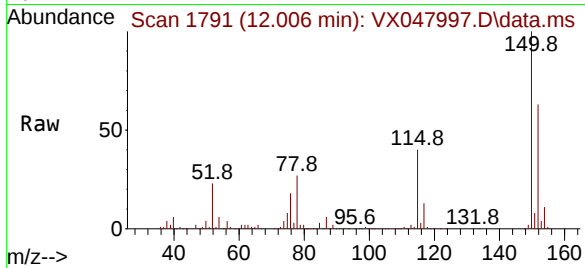




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

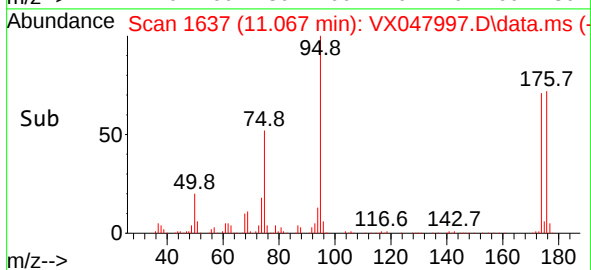
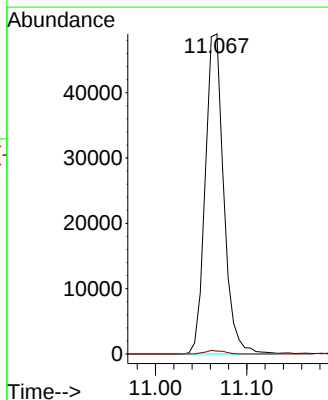
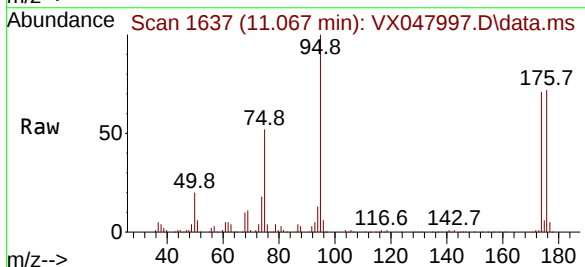
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

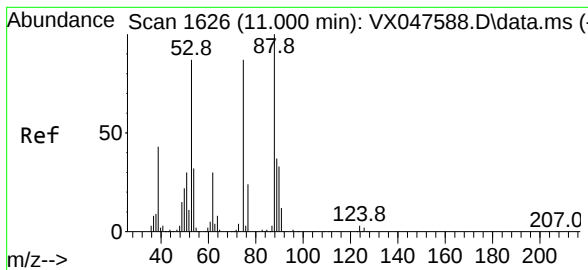
Tgt Ion:152 Resp: 141091
Ion Ratio Lower Upper
152 100
115 62.2 44.9 134.5
150 157.3 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.058 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 75 Resp: 68724
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.350 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX047997.D
 Acq: 03 Oct 2025 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-560-562

Tgt Ion: 75 Resp: 68724
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

