

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048048.D
 Acq On : 07 Oct 2025 13:23
 Operator : JC/MD
 Sample : Q3298-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-720-722

Quant Time: Oct 08 01:27:41 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)

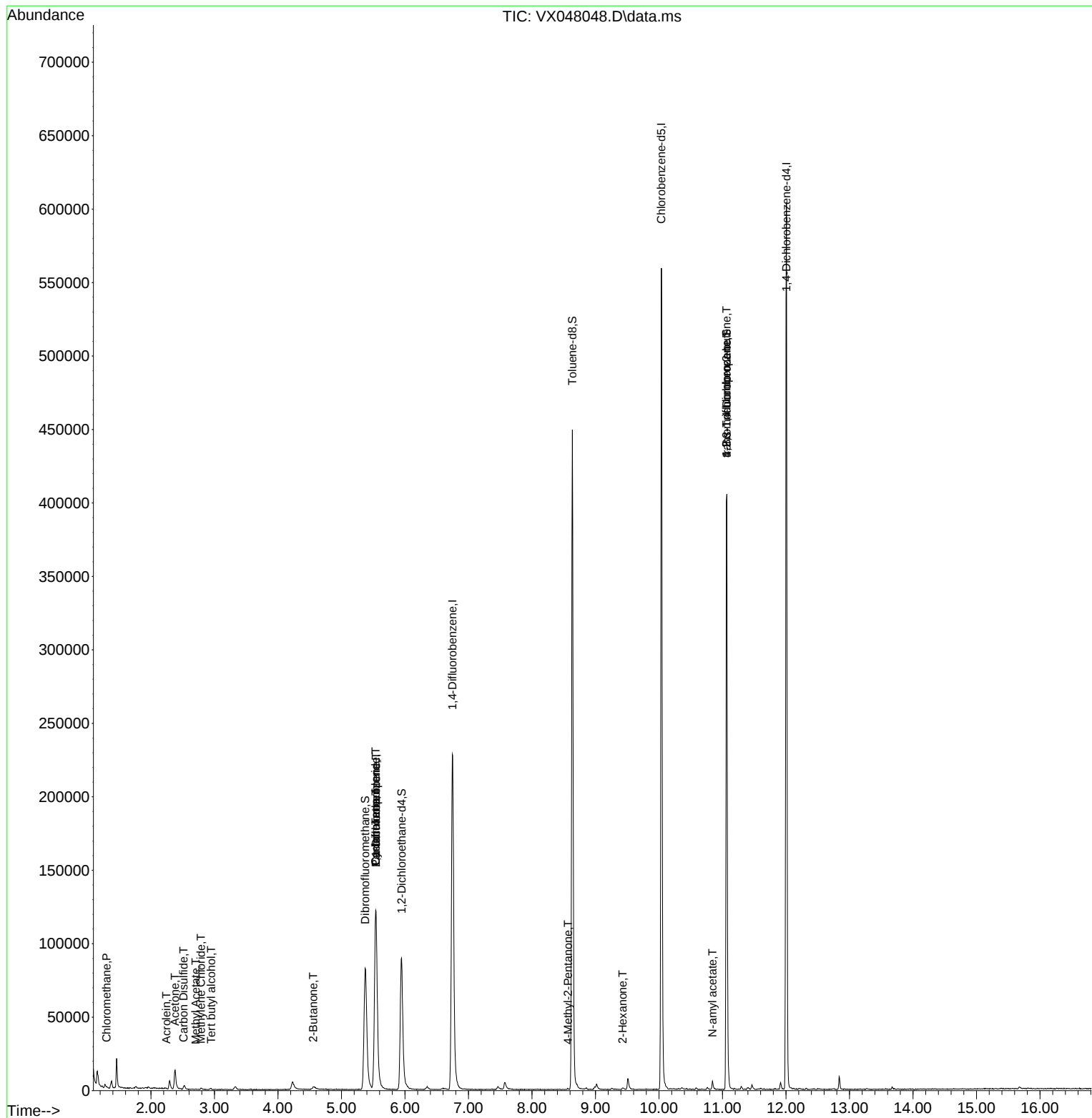
Internal Standards						
1) Pentafluorobenzene	5.544	168	122944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	248523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97539	49.842	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.680%		
35) Dibromofluoromethane	5.373	113	80909	48.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.080%		
50) Toluene-d8	8.635	98	273842	47.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.960%		
62) 4-Bromofluorobenzene	11.061	95	118749	54.254	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.500%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	418	0.250	ug/l	90
11) Tert butyl alcohol	2.947	59	151	0.693	ug/l #	72
13) Acrolein	2.240	56	120	0.597	ug/l #	1
16) Acetone	2.380	43	17242	20.263	ug/l	93
17) Carbon Disulfide	2.514	76	1074	0.269	ug/l #	76
18) Methyl Acetate	2.703	43	697	0.368	ug/l #	54
20) Methylene Chloride	2.788	84	494	0.274	ug/l #	76
25) 2-Butanone	4.556	43	4238	3.993	ug/l	91
31) Cyclohexane	5.538	56	2752	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11097	4.556	ug/l #	51
38) Carbon Tetrachloride	5.538	117	12997	4.912	ug/l #	18
51) 4-Methyl-2-Pentanone	8.568	43	646	0.272	ug/l	97
59) 2-Hexanone	9.427	43	941	0.553	ug/l	99
74) N-amyl acetate	10.842	43	1031	0.237	ug/l #	21
76) 1,2,3-Trichloropropane	11.061	75	60857	23.947	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	60857	61.070	ug/l #	8

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

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BP-VPB-184-GW-720-722

Quant Time: Oct 08 01:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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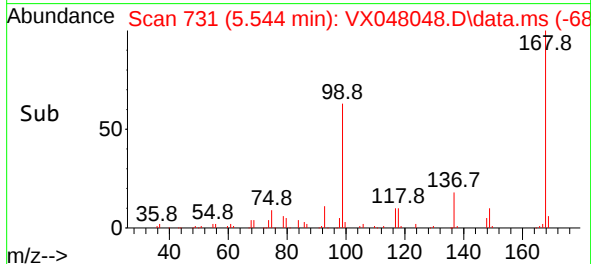
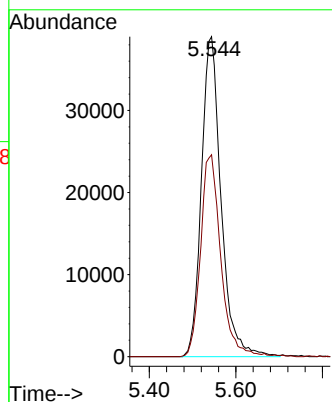
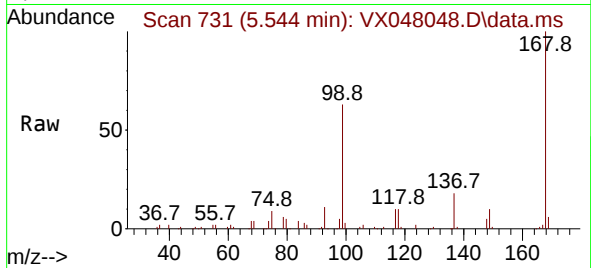




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

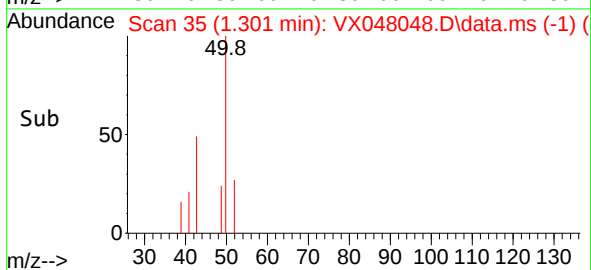
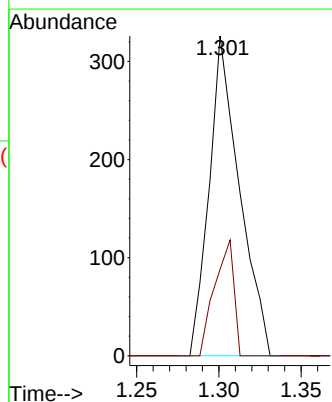
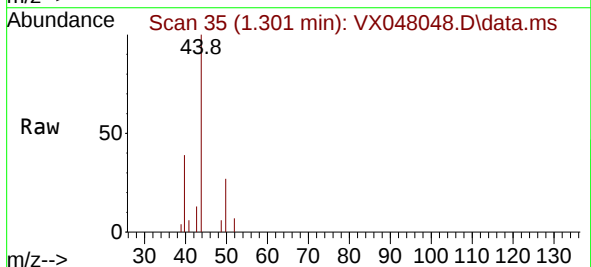
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

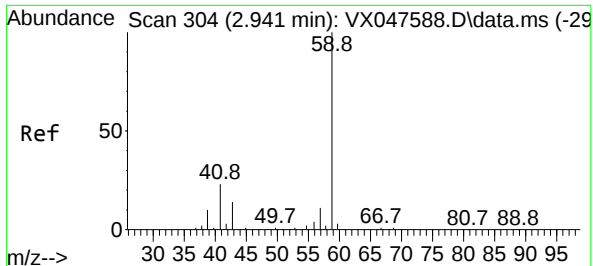
Tgt Ion:168 Resp: 122944
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#3
Chloromethane
Concen: 0.250 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 27.0 26.1 39.1





#11

Tert butyl alcohol

Concen: 0.693 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

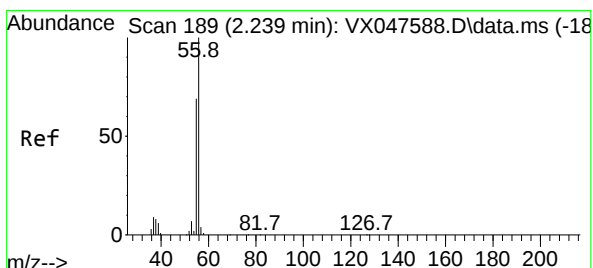
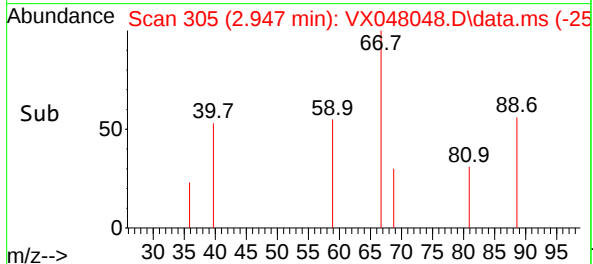
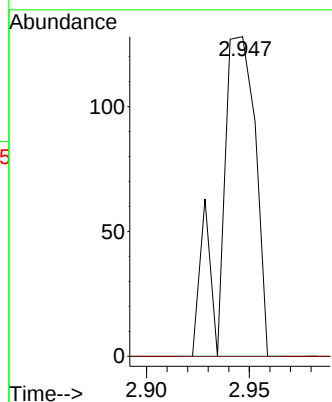
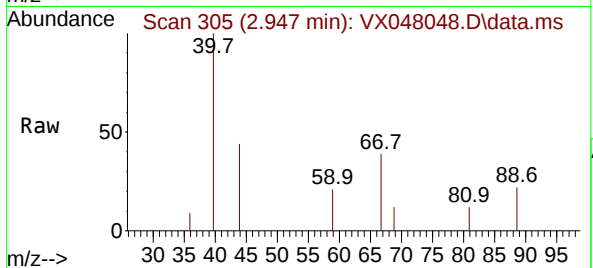
BP-VPB-184-GW-720-722

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.597 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX048048.D

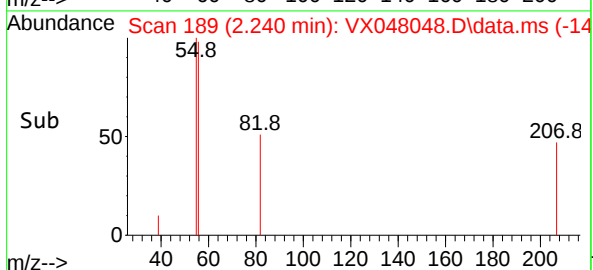
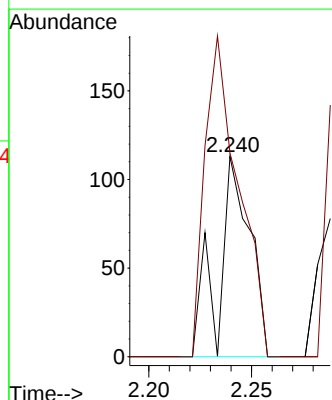
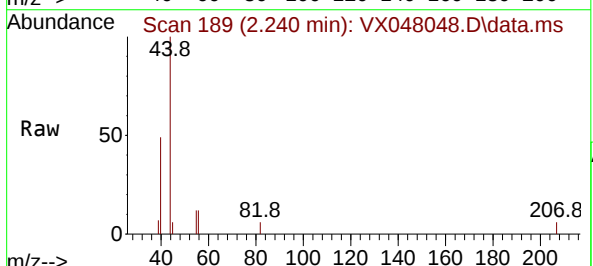
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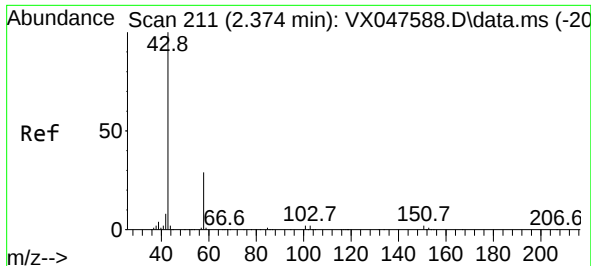
Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 172.5 57.2 85.8#

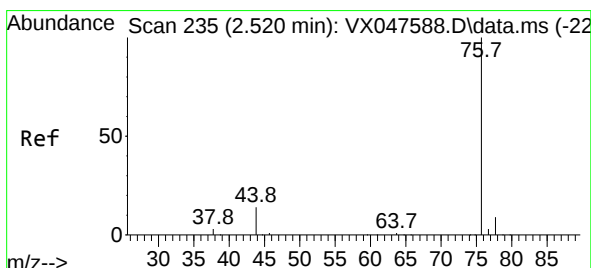
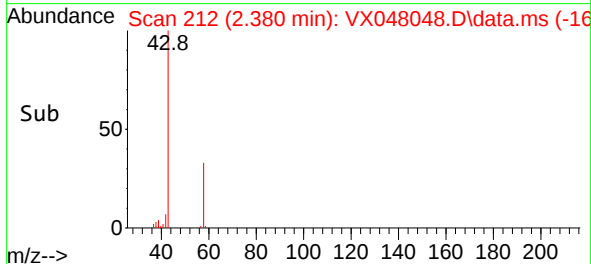
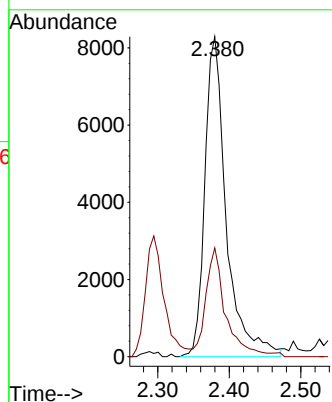
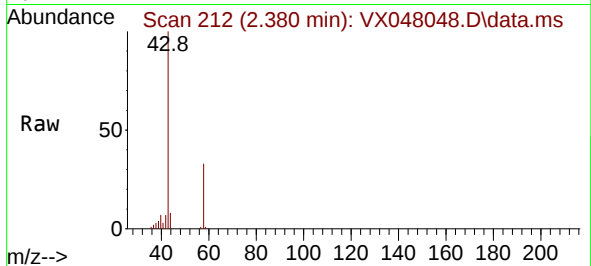




#16
Acetone
Concen: 20.263 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

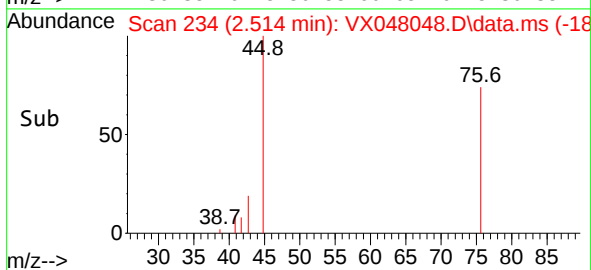
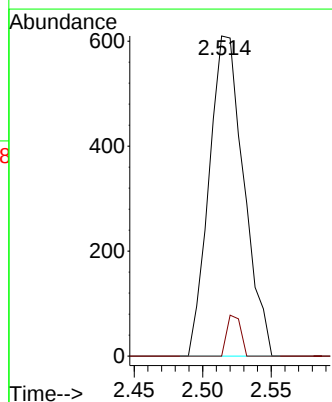
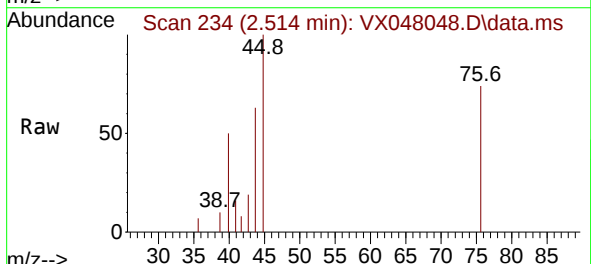
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

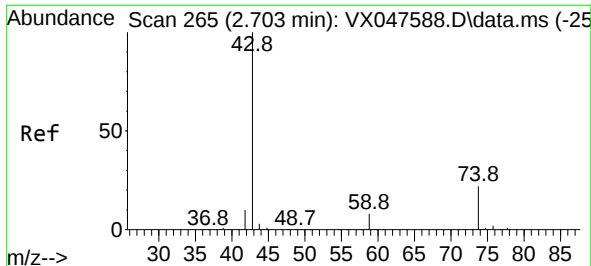
Tgt Ion: 43 Resp: 17242
Ion Ratio Lower Upper
43 100
58 32.8 23.4 35.0



#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 76 Resp: 1074
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

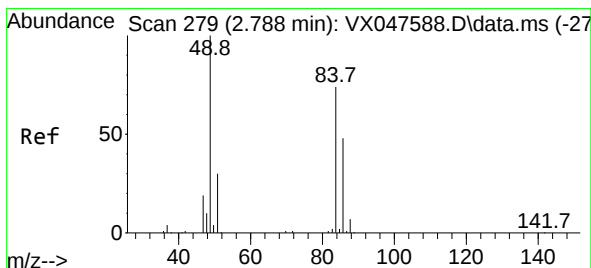
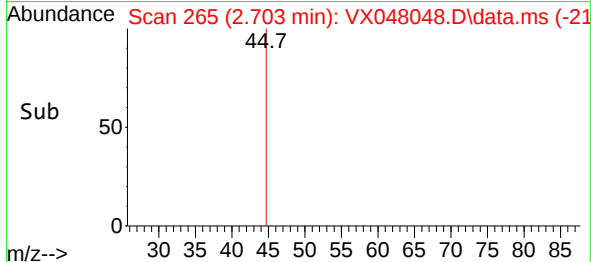
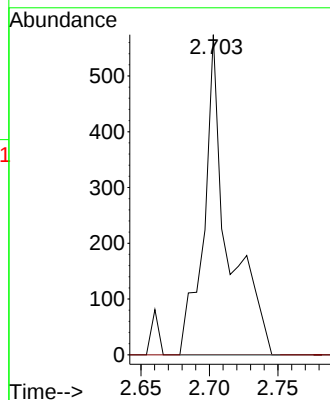
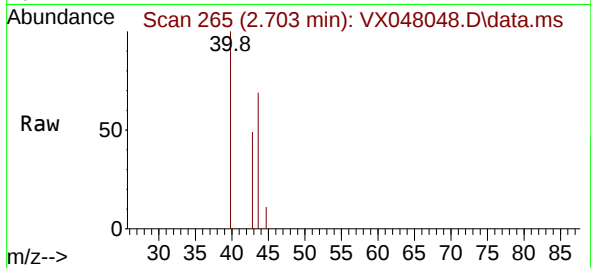




#18
Methyl Acetate
Concen: 0.368 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

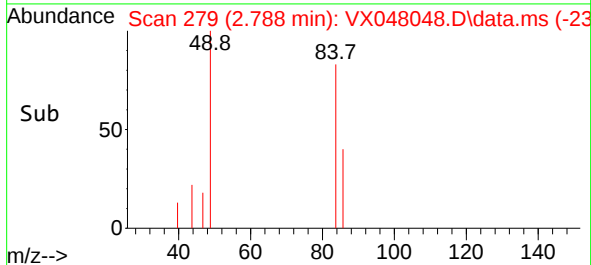
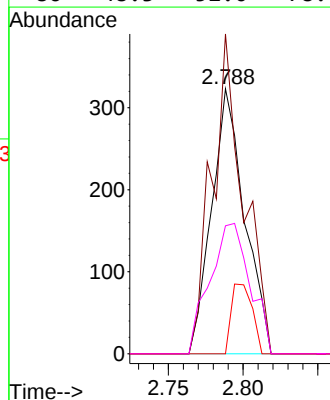
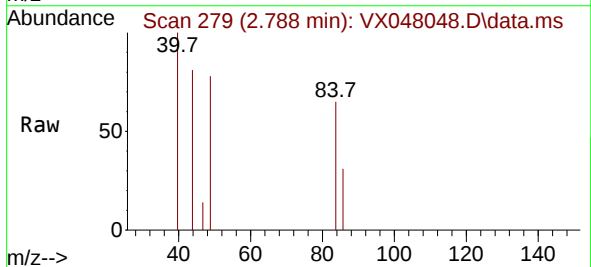
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

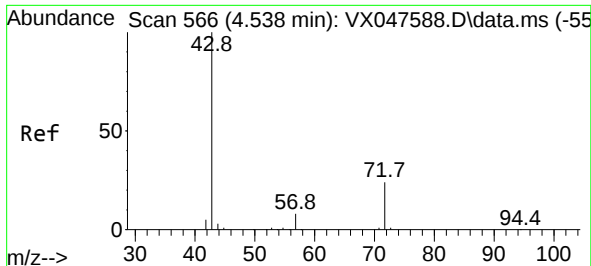
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 84 Resp: 494
Ion Ratio Lower Upper
84 100
49 120.7 108.6 162.8
51 0.0 32.6 48.8#
86 48.3 52.0 78.0#





#25

2-Butanone

Concen: 3.993 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

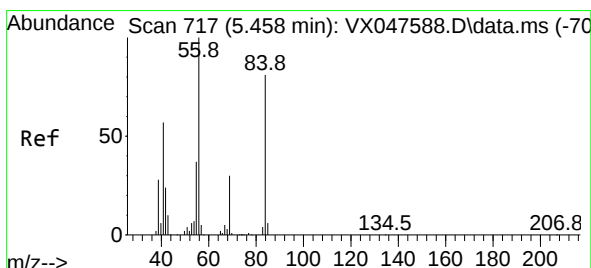
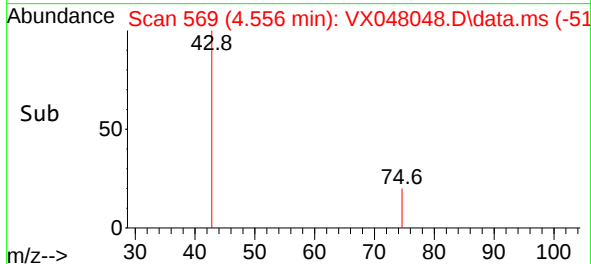
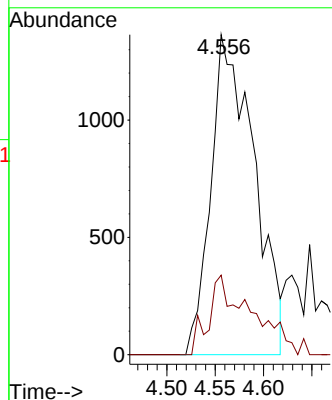
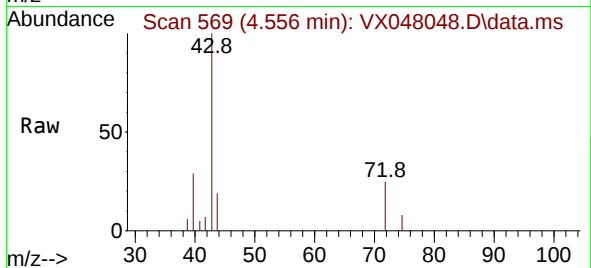
BP-VPB-184-GW-720-722

Tgt Ion: 43 Resp: 4238

Ion Ratio Lower Upper

43 100

72 20.8 20.1 30.1



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

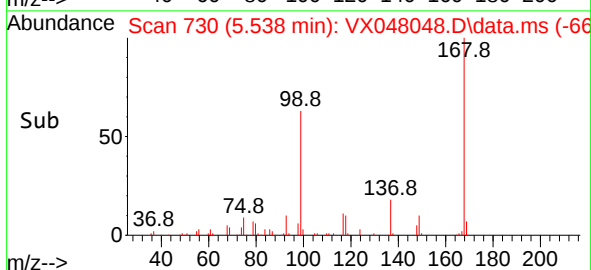
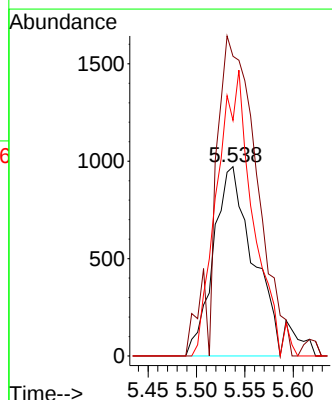
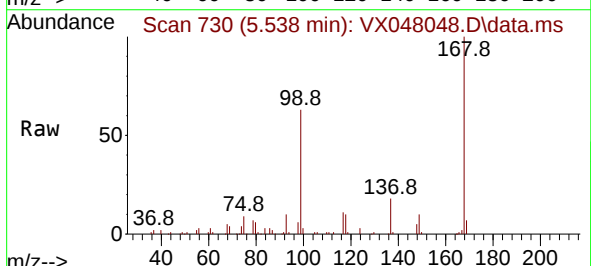
Tgt Ion: 56 Resp: 2752

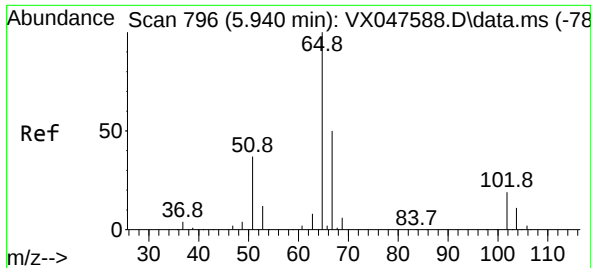
Ion Ratio Lower Upper

56 100

69 158.3 23.8 35.8#

84 124.4 64.6 97.0#

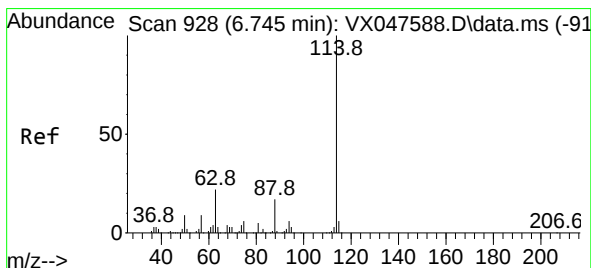
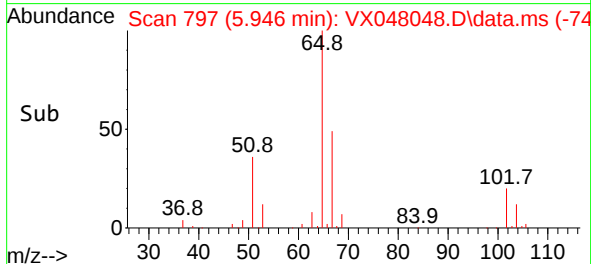
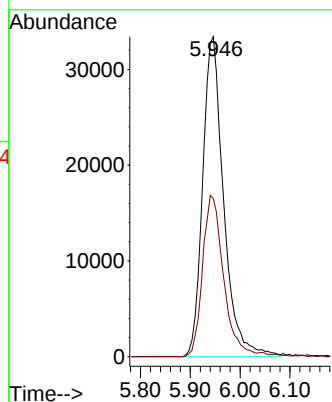
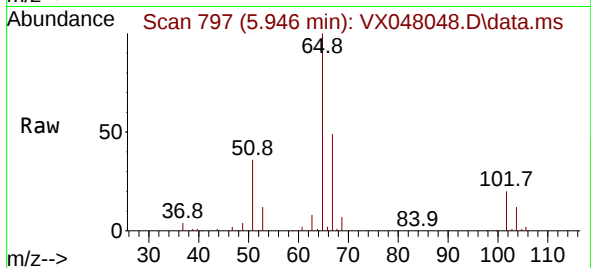




#33
 1,2-Dichloroethane-d4
 Concen: 49.842 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048048.D
 Acq: 07 Oct 2025 13:23

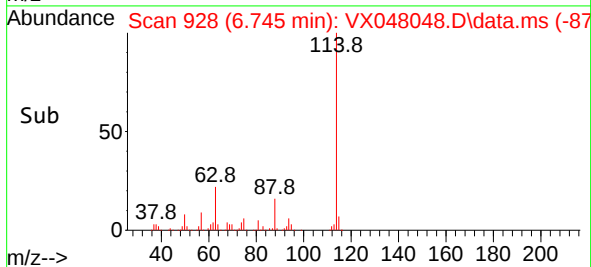
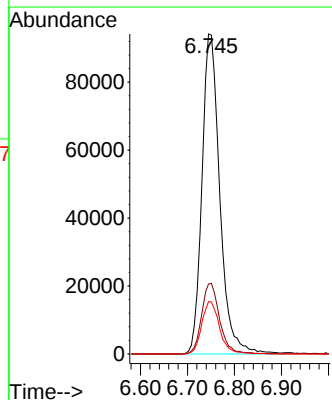
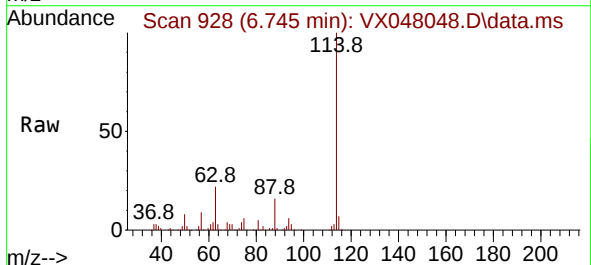
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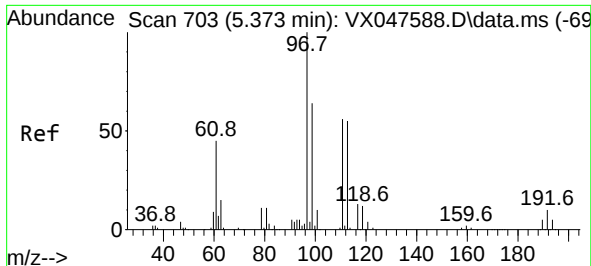
Tgt Ion: 65 Resp: 97539
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048048.D
 Acq: 07 Oct 2025 13:23

Tgt Ion: 114 Resp: 248523
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.0
 88 16.3 0.0 34.2

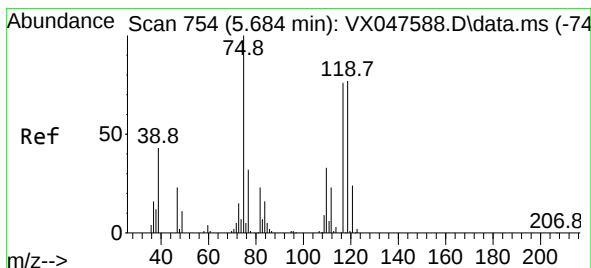
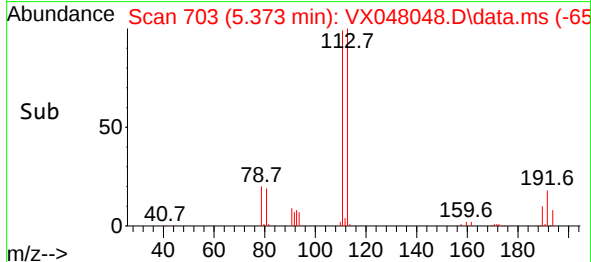
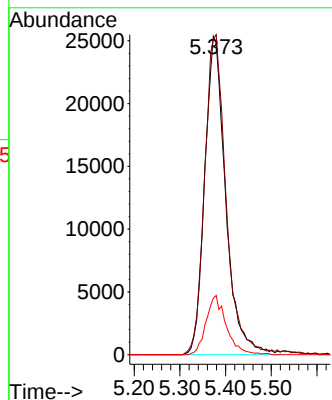
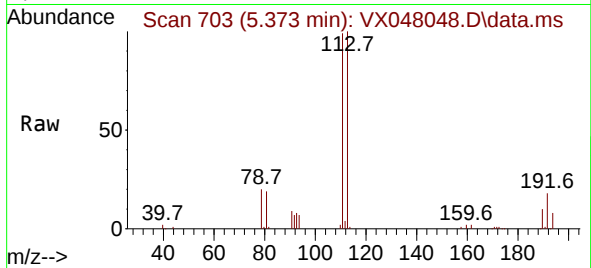




#35
Dibromofluoromethane
Concen: 48.544 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

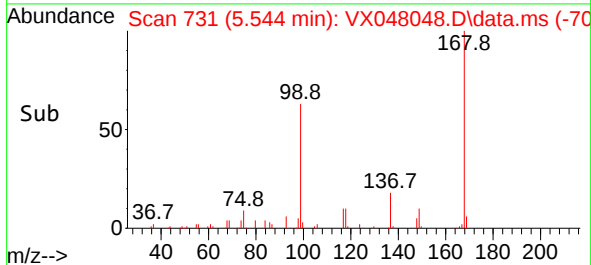
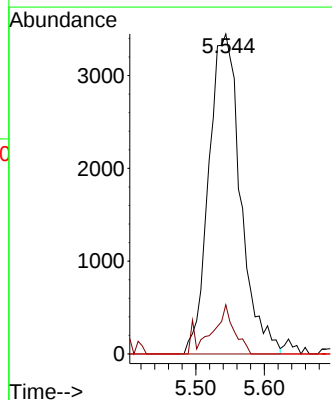
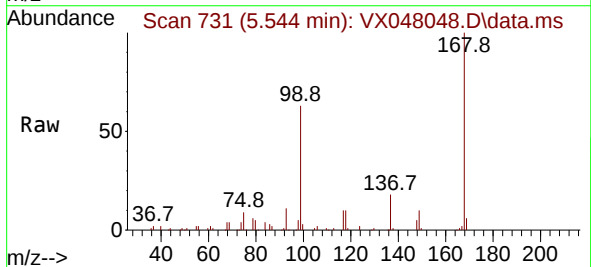
Instrument :
MSVOA_X
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BP-VPB-184-GW-720-722

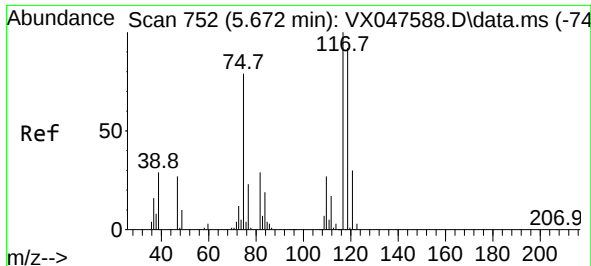
Tgt Ion:113 Resp: 80909
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

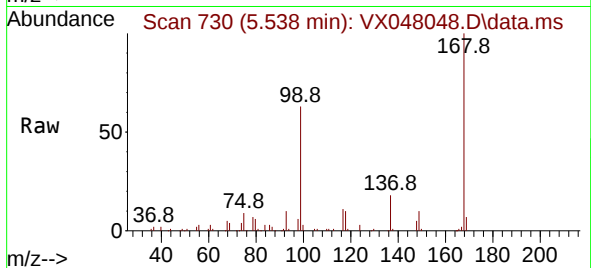
Tgt Ion: 75 Resp: 11097
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 24.3 36.5#



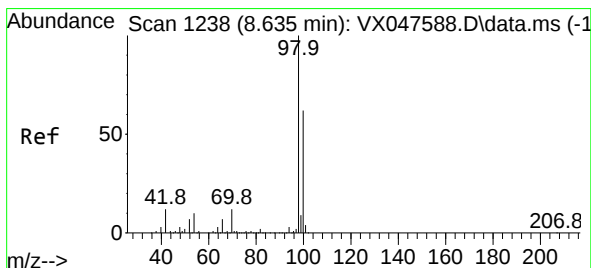
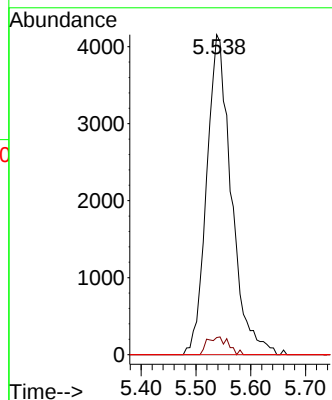
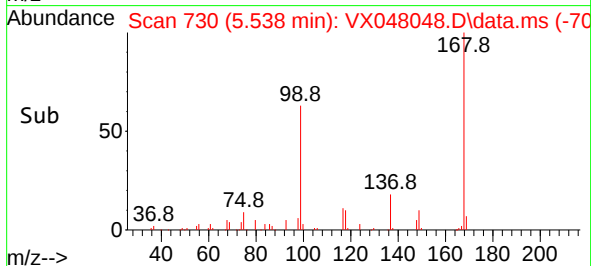


#38
Carbon Tetrachloride
Concen: 4.912 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

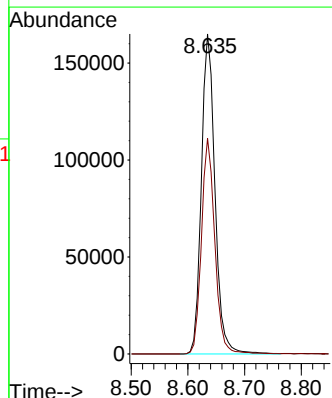
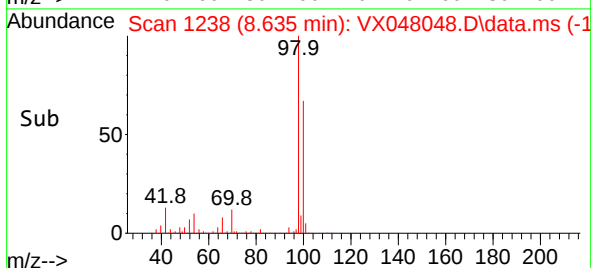
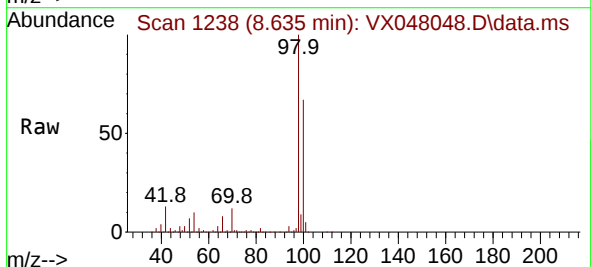


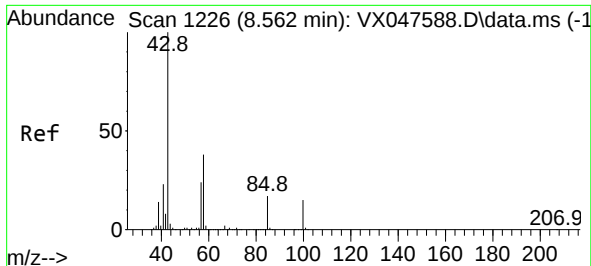
Tgt Ion:117 Resp: 12997
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 47.482 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 98 Resp: 273842
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 8.568 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048048.D

Acq: 07 Oct 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

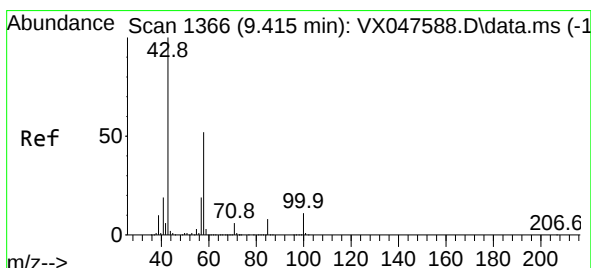
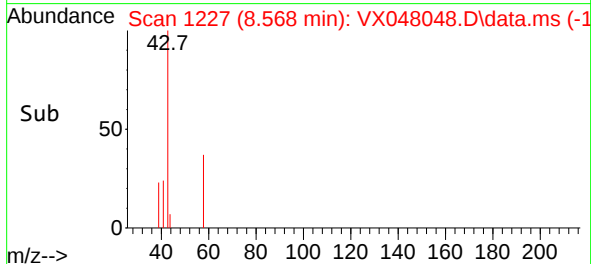
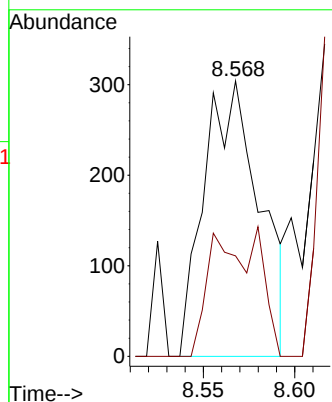
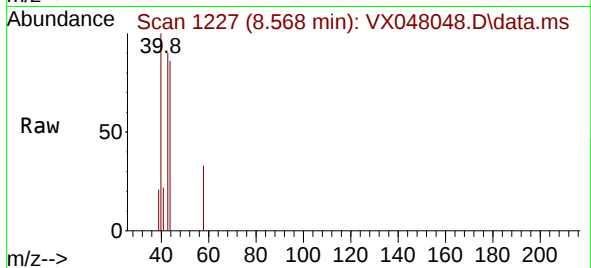
BP-VPB-184-GW-720-722

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 39.9 30.3 45.5



#59

2-Hexanone

Concen: 0.553 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.012 min

Lab File: VX048048.D

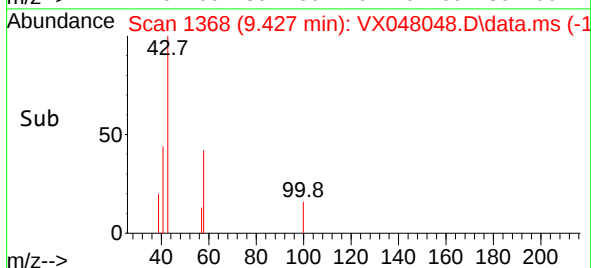
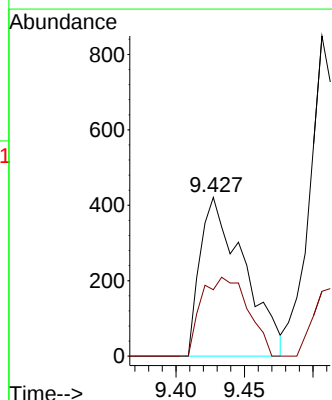
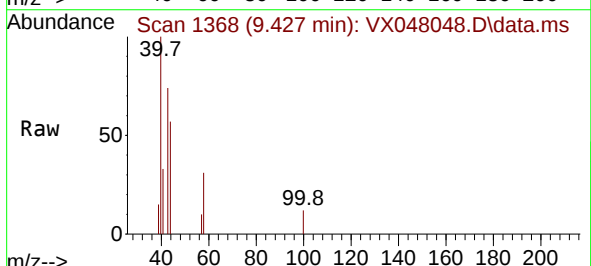
Acq: 07 Oct 2025 13:23

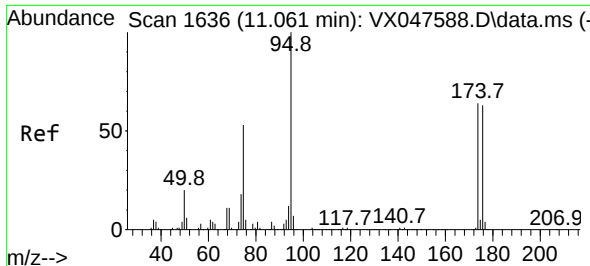
Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

58 52.5 26.1 78.2

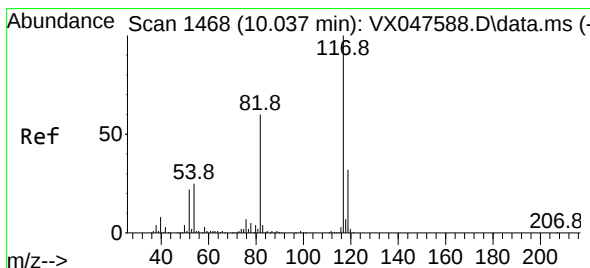
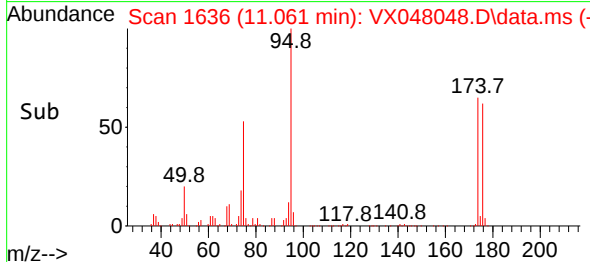
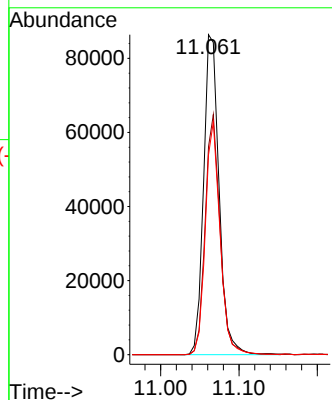
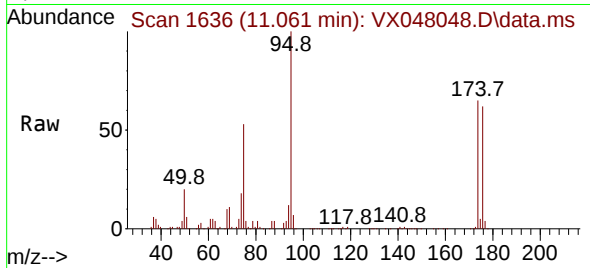




#62
4-Bromofluorobenzene
Concen: 54.254 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

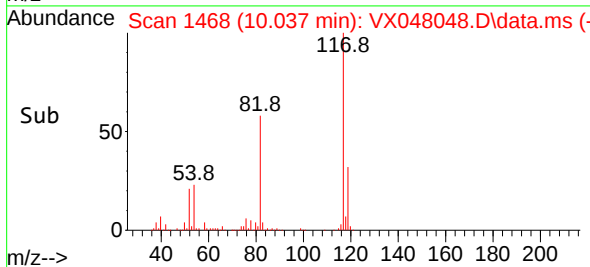
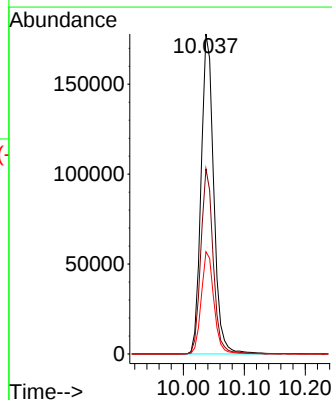
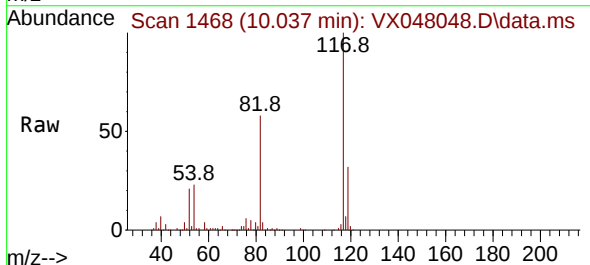
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

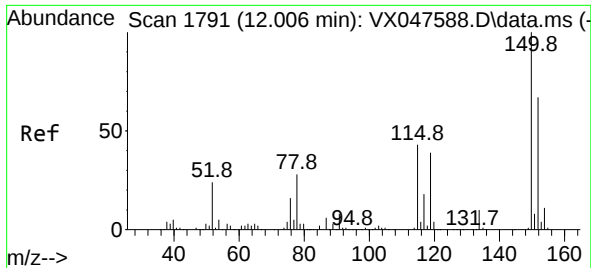
Tgt Ion: 95 Resp: 118749
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 117 Resp: 257016
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.6
119 31.9 25.2 37.8

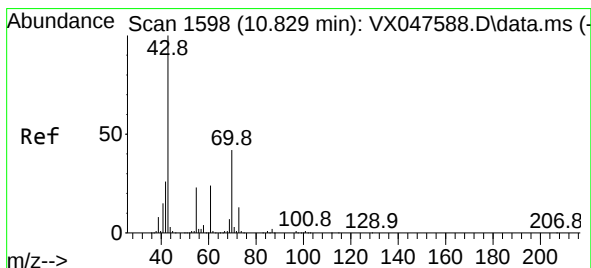
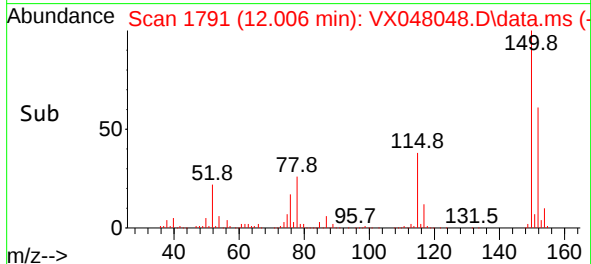
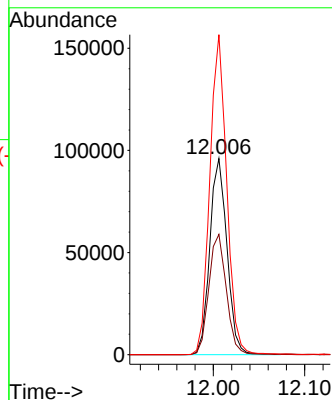
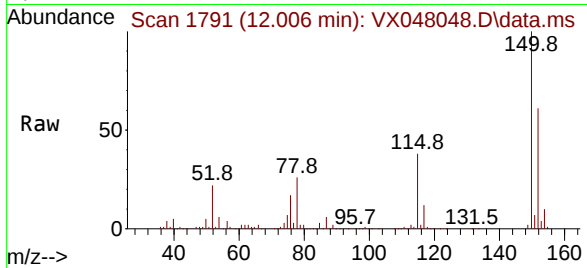




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

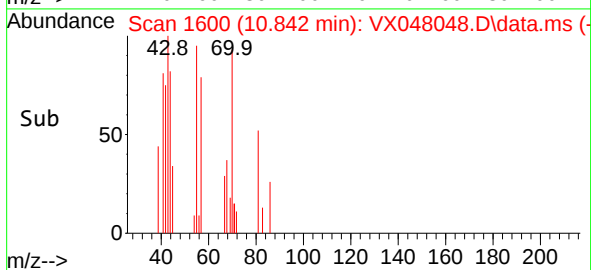
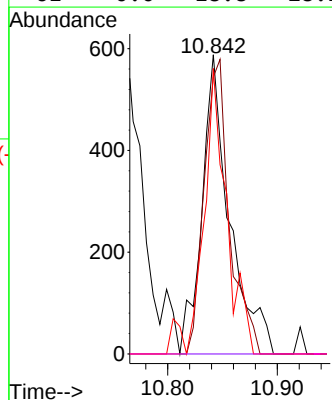
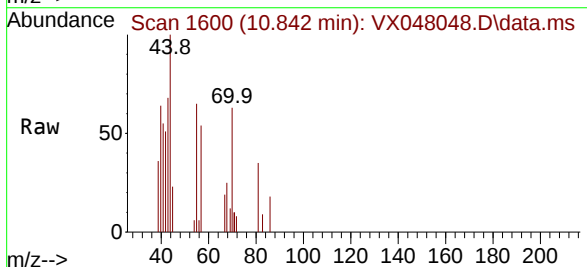
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

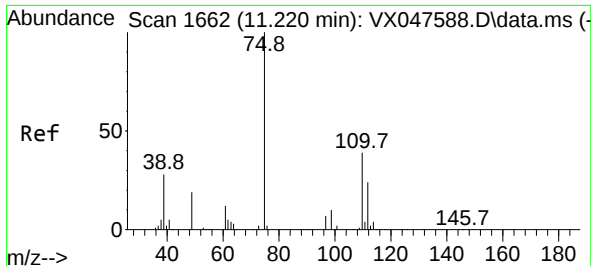
Tgt Ion:152 Resp: 125514
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 160.1 0.0 352.0



#74
N-ethyl acetate
Concen: 0.237 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.012 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
70 90.0 32.0 48.0#
55 75.8 18.9 28.3#
61 0.0 18.8 28.2#

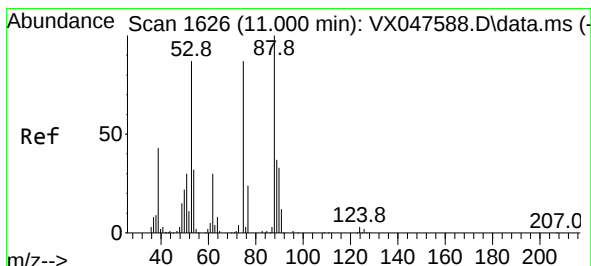
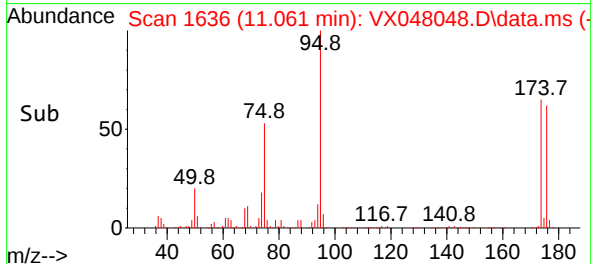
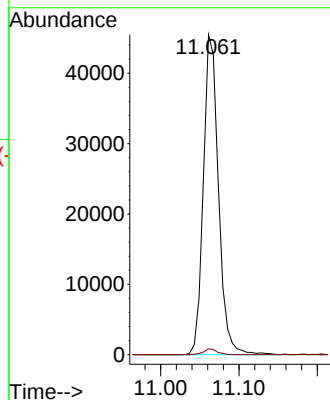
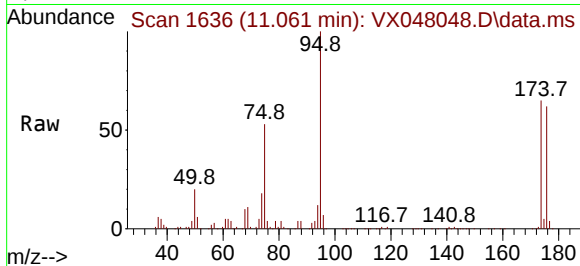




#76
1,2,3-Trichloropropane
Concen: 23.947 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion: 75 Resp: 60857
Ion Ratio Lower Upper
75 100
77 1.7 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.070 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 75 Resp: 60857
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

