

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047964.D
 Acq On : 02 Oct 2025 13:48
 Operator : JC/MD
 Sample : Q3246-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-540-542

Quant Time: Oct 03 03:30:26 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)

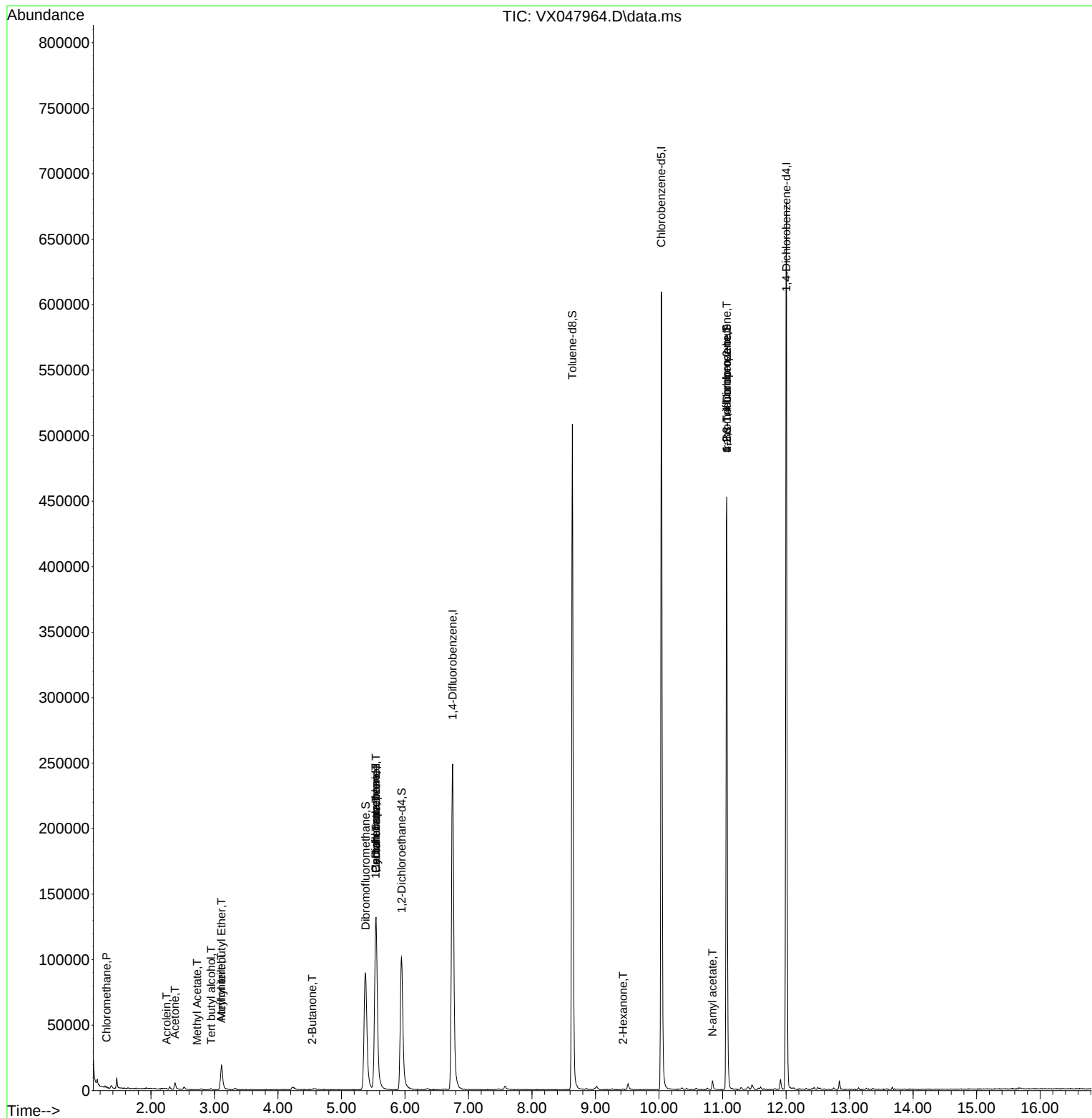
Internal Standards						
1) Pentafluorobenzene	5.544	168	131720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	271856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	280780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111636	53.245	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.379	113	88993	48.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.620%			
50) Toluene-d8	8.635	98	305278	48.390	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.780%			
62) 4-Bromofluorobenzene	11.067	95	131671	54.994	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.980%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	837	0.467	ug/l #	87
11) Tert butyl alcohol	2.947	59	136	0.582	ug/l #	72
13) Acrolein	2.246	56	106	0.493	ug/l #	14
15) Acrylonitrile	3.105	53	274	0.317	ug/l #	25
16) Acetone	2.380	43	6651	7.296	ug/l	93
18) Methyl Acetate	2.727	43	514	0.253	ug/l #	54
19) Methyl tert-butyl Ether	3.111	73	21351	3.737	ug/l #	89
25) 2-Butanone	4.538	43	242	0.213	ug/l #	50
31) Cyclohexane	5.544	56	3081	1.112	ug/l #	27
36) 1,1-Dichloropropene	5.538	75	11167	4.192	ug/l #	53
38) Carbon Tetrachloride	5.544	117	13971	4.827	ug/l #	17
59) 2-Hexanone	9.433	43	570	0.306	ug/l	64
74) N-amyl acetate	10.842	43	1041	0.210	ug/l #	3
76) 1,2,3-Trichloropropane	11.067	75	69494	23.959	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	69494	61.098	ug/l #	8

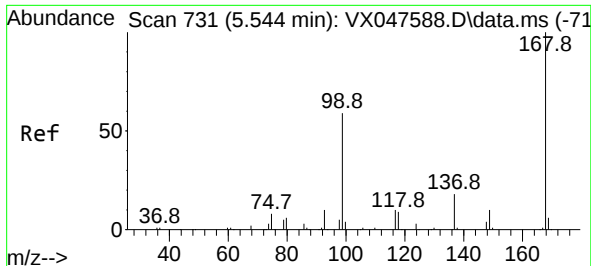
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

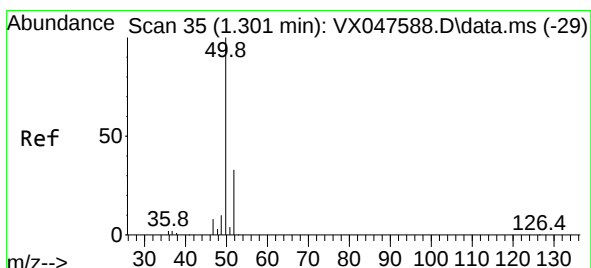
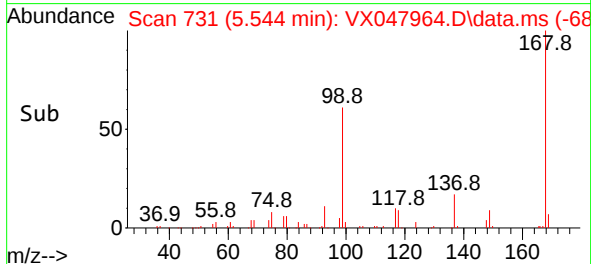
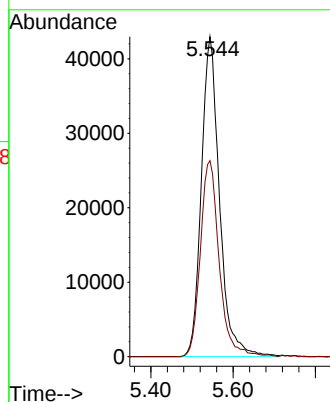
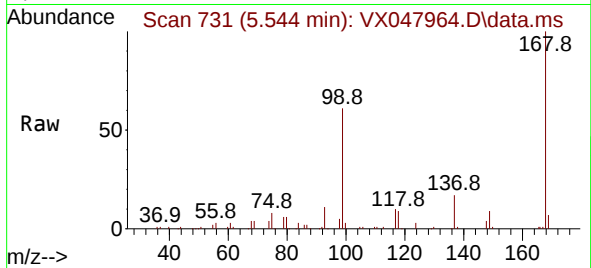




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

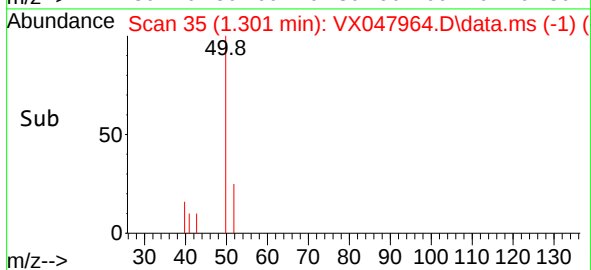
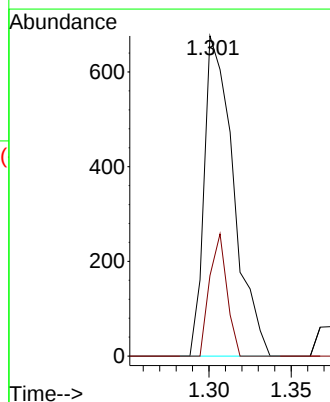
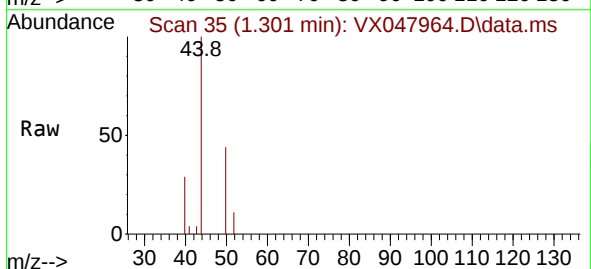
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

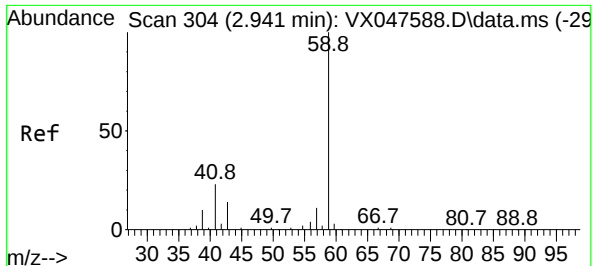
Tgt Ion:168 Resp: 131720
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#3
Chloromethane
Concen: 0.467 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 50 Resp: 837
Ion Ratio Lower Upper
50 100
52 25.1 26.1 39.1#

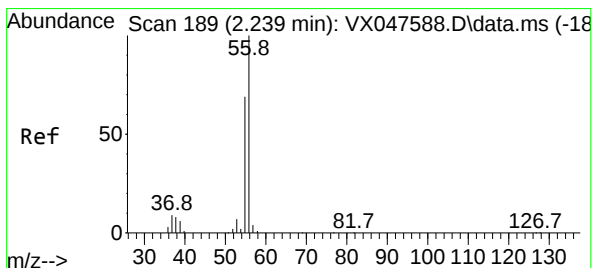
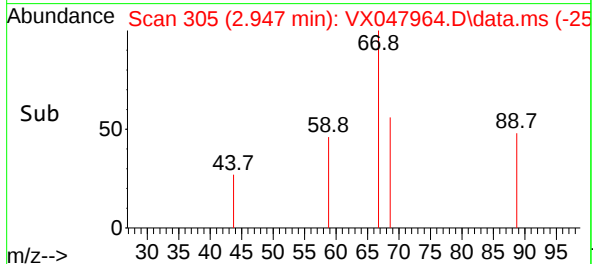
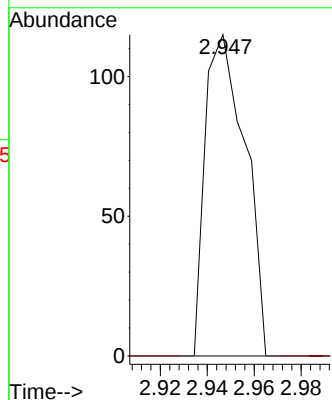
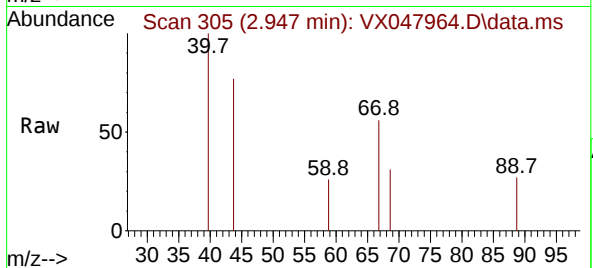




#11
Tert butyl alcohol
Concen: 0.582 ug/l
RT: 2.947 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

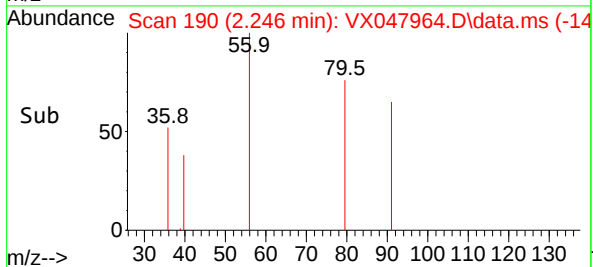
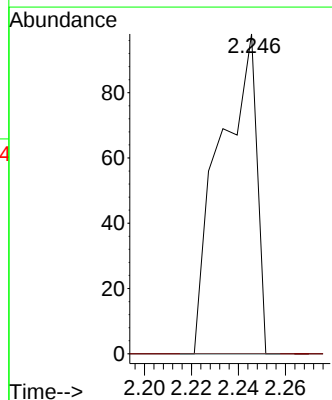
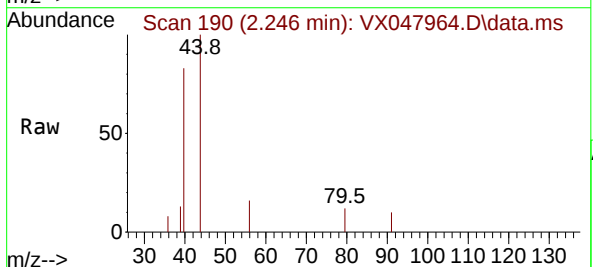
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

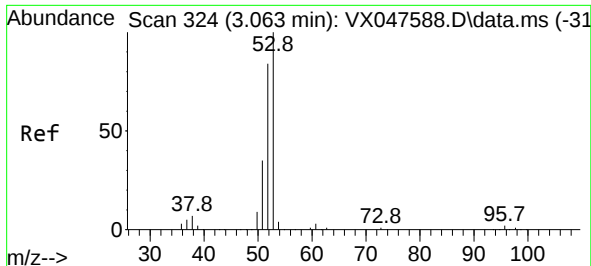
Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.493 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

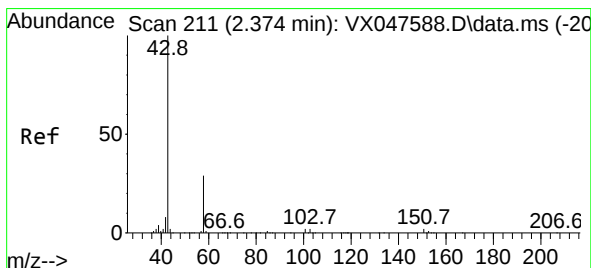
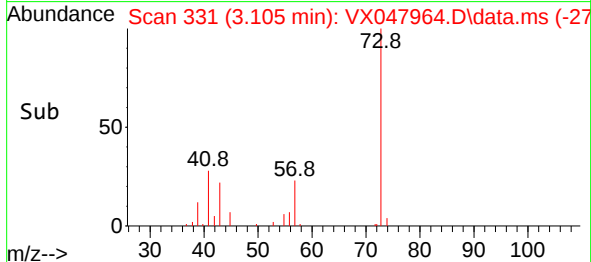
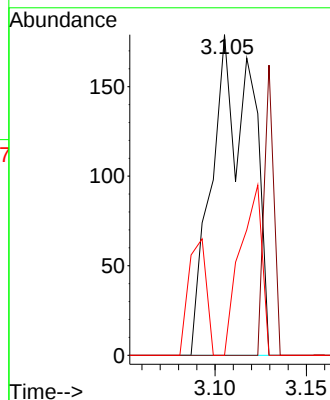
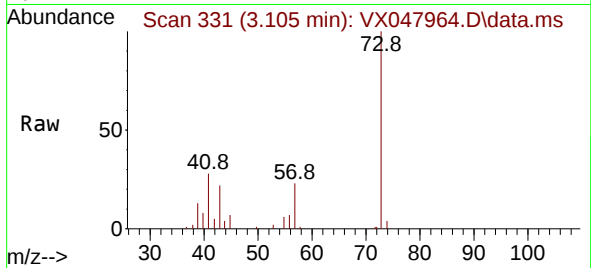




#15
Acrylonitrile
Concen: 0.317 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.043 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

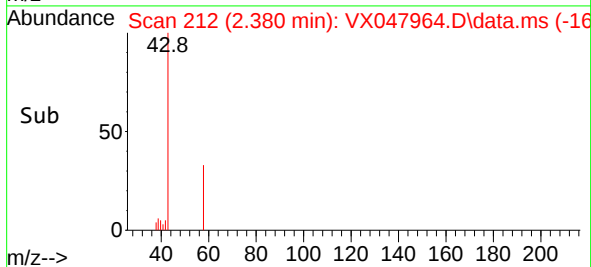
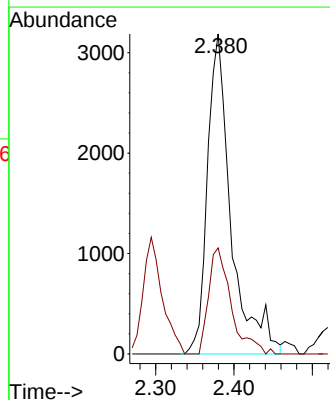
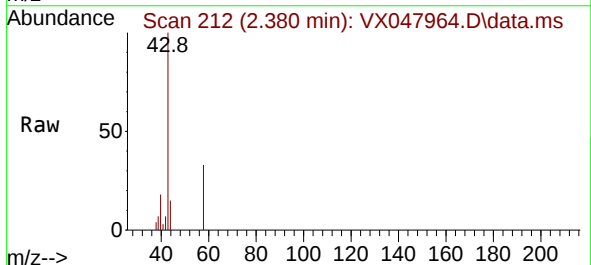
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

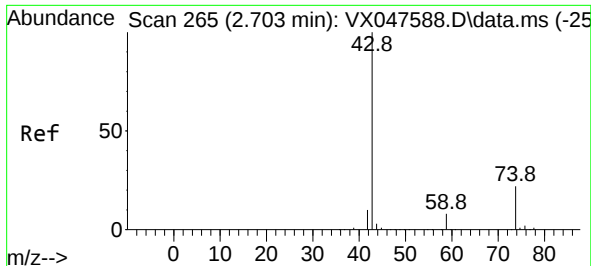
Tgt Ion: 53 Resp: 274
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 16.1 29.5 44.3#



#16
Acetone
Concen: 7.296 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 43 Resp: 6651
Ion Ratio Lower Upper
43 100
58 33.1 23.4 35.0

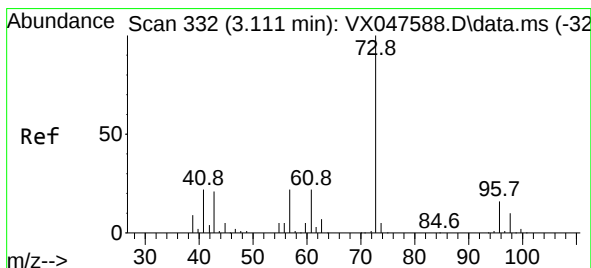
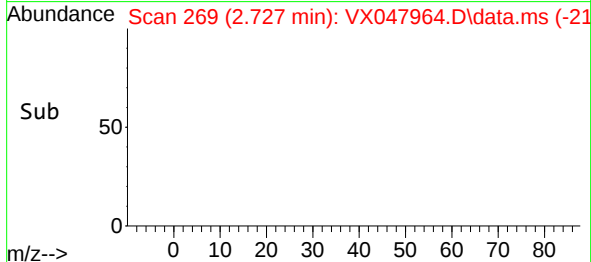
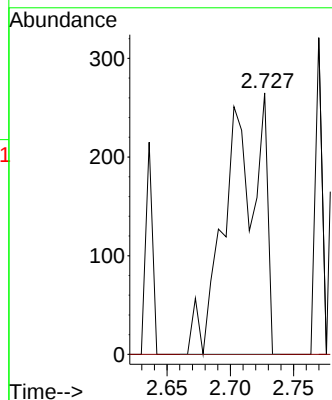
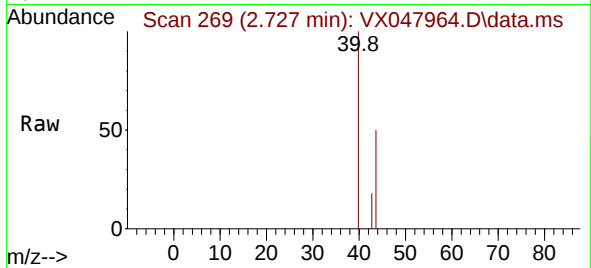




#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

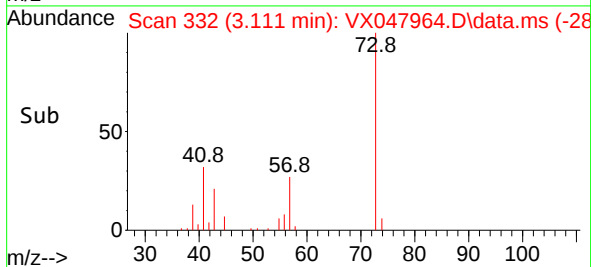
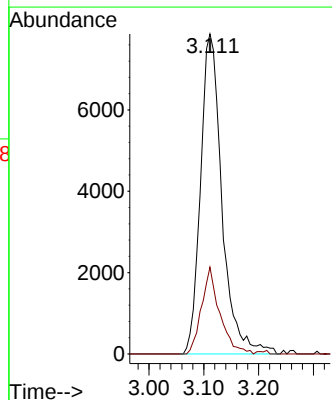
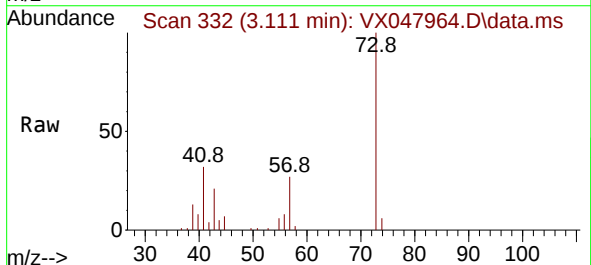
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

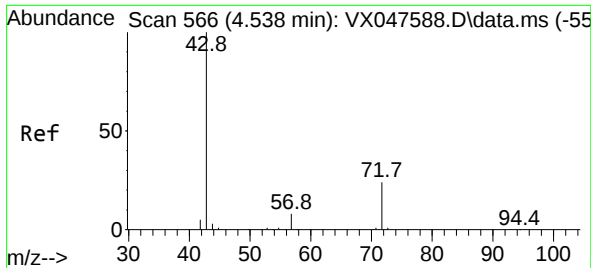
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 3.737 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 73 Resp: 21351
Ion Ratio Lower Upper
73 100
57 27.1 17.4 26.2#

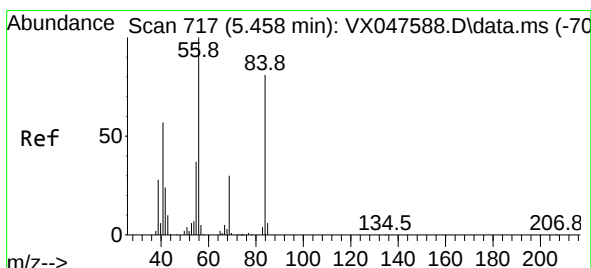
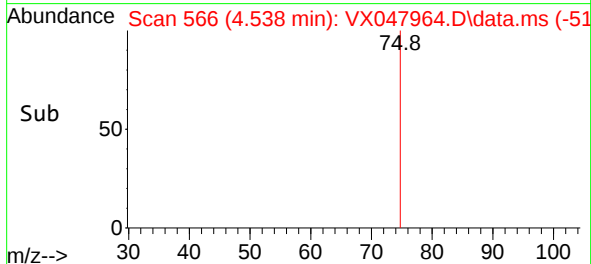
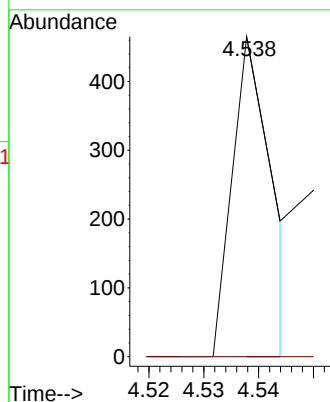
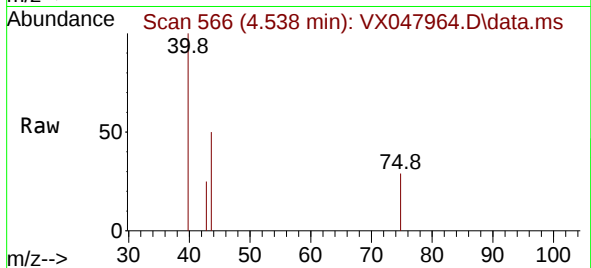




#25
2-Butanone
Concen: 0.213 ug/l
RT: 4.538 min Scan# 501
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

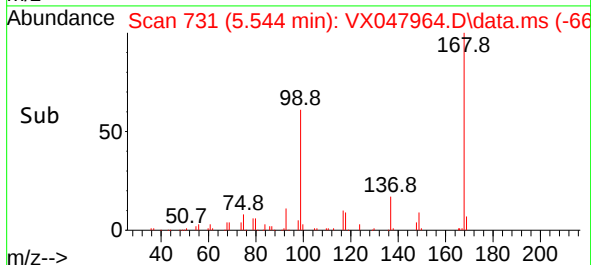
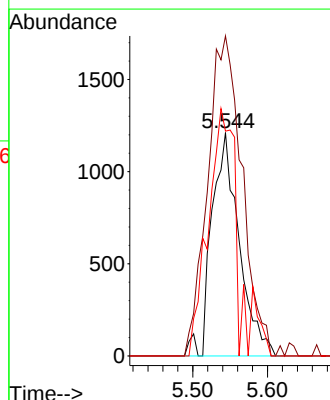
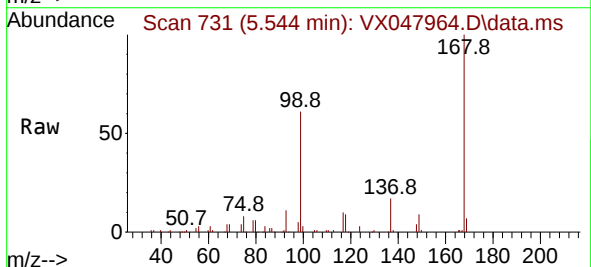
Instrument :
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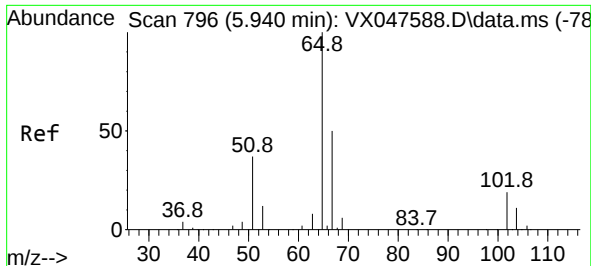
Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 56 Resp: 3081
Ion Ratio Lower Upper
56 100
69 143.2 23.8 35.8#
84 100.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.245 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047964.D

Acq: 02 Oct 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

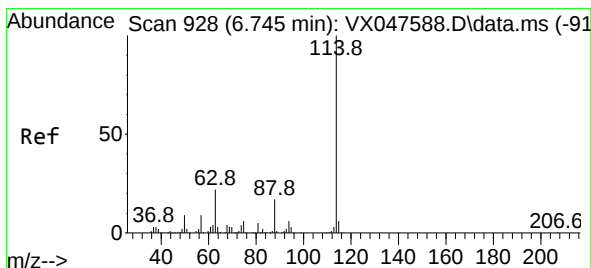
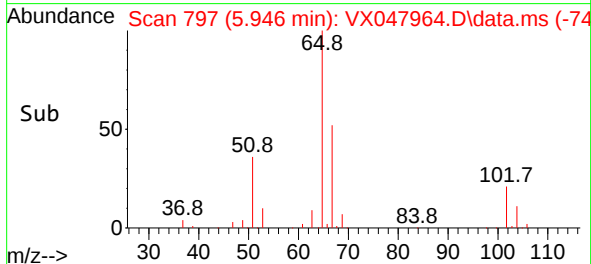
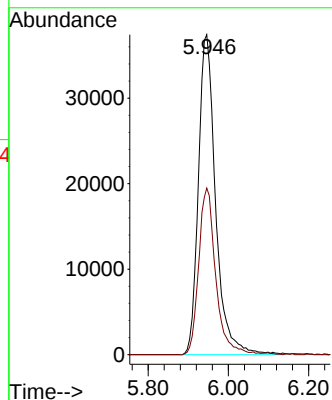
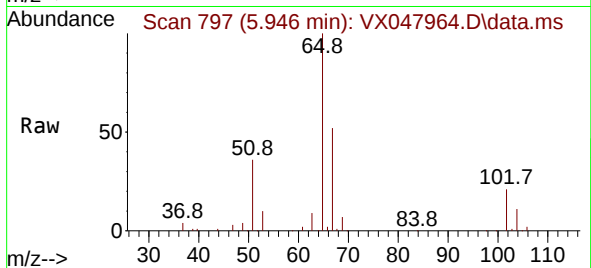
BP-VPB-184-GW-540-542

Tgt Ion: 65 Resp: 111636

Ion Ratio Lower Upper

65 100

67 51.5 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: VX047964.D

Acq: 02 Oct 2025 13:48

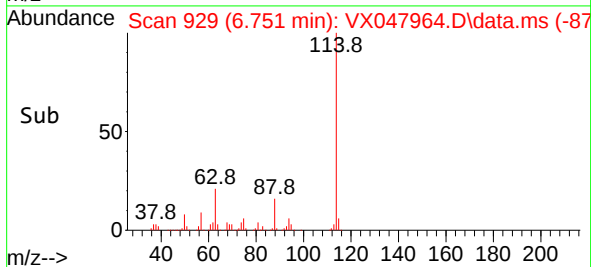
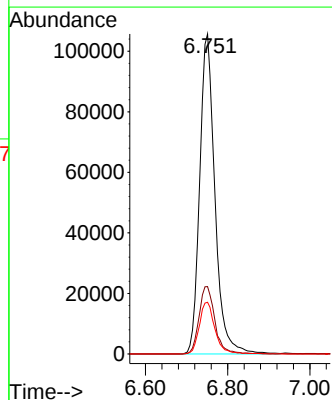
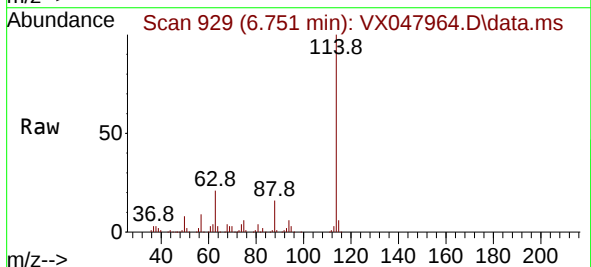
Tgt Ion: 114 Resp: 271856

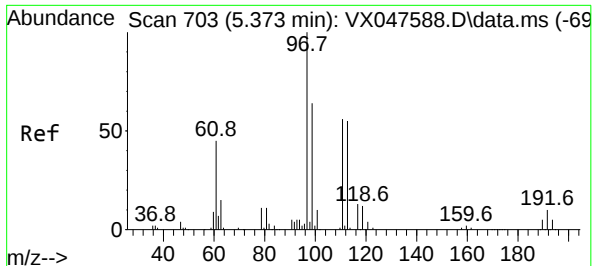
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.2 0.0 34.2

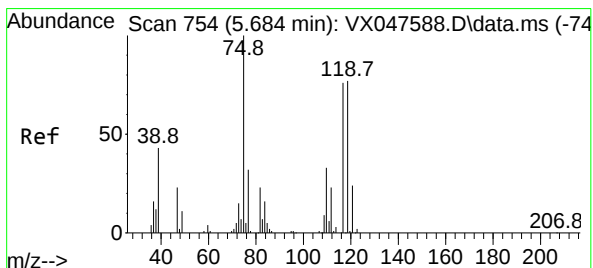
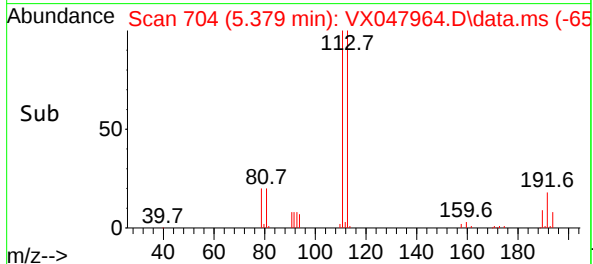
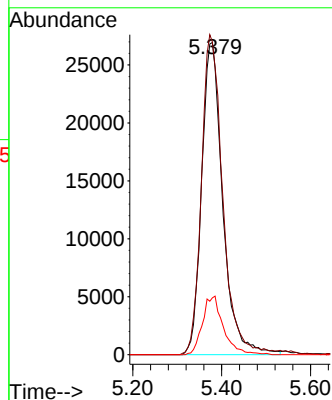
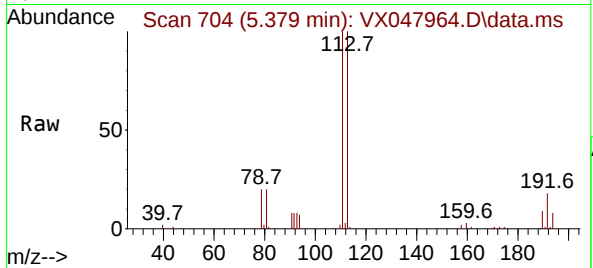




#35
Dibromofluoromethane
Concen: 48.811 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

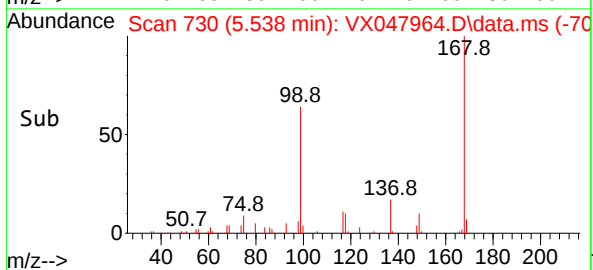
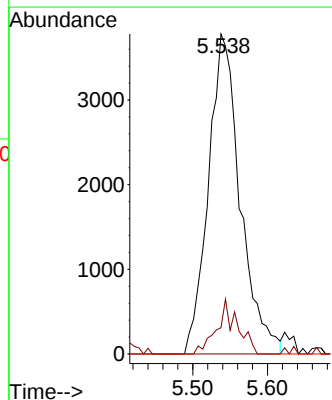
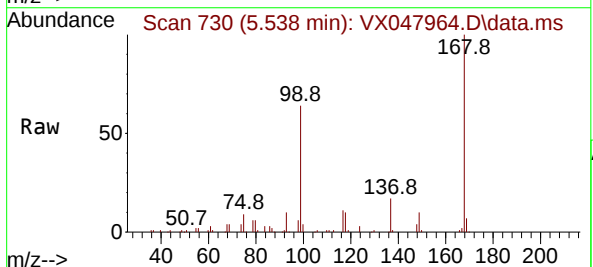
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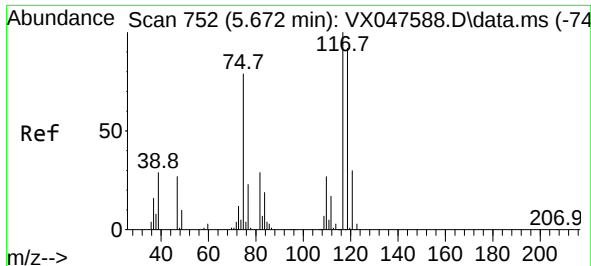
Tgt Ion:113 Resp: 88993
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 18.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.192 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

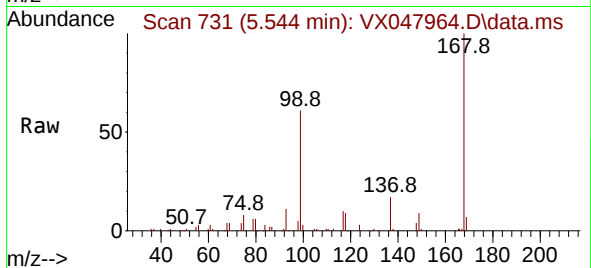
Tgt Ion: 75 Resp: 11167
Ion Ratio Lower Upper
75 100
110 11.1 16.7 50.1#
77 0.0 24.3 36.5#



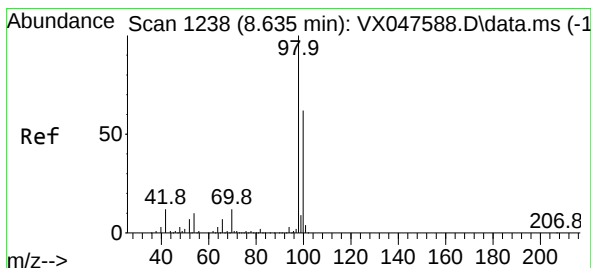
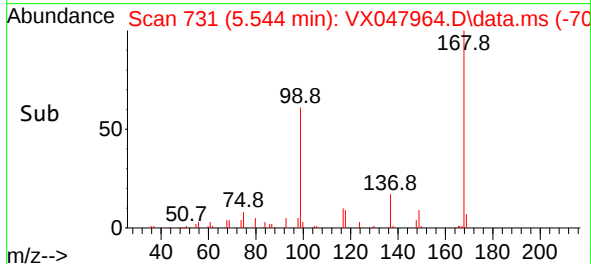
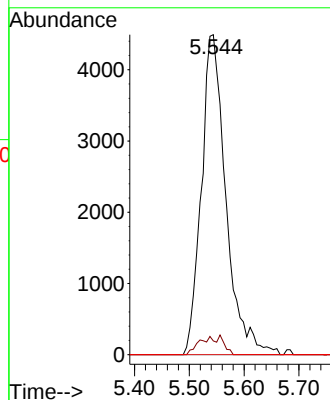


#38
Carbon Tetrachloride
Concen: 4.827 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

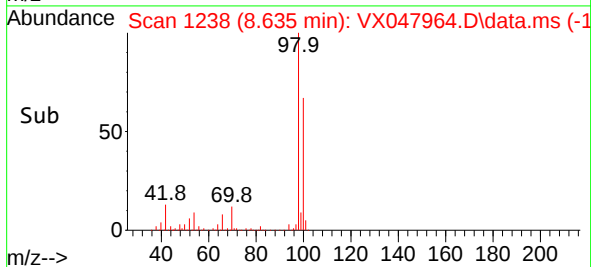
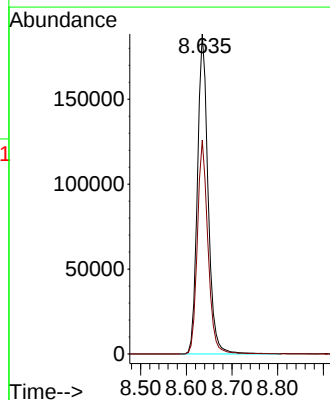
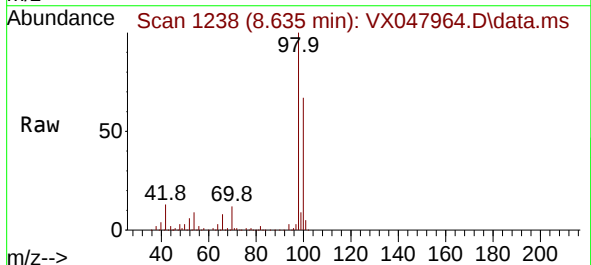


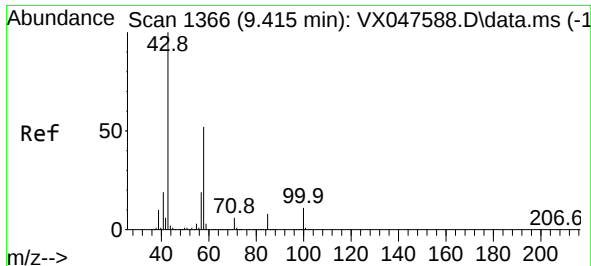
Tgt Ion: 117 Resp: 13971
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.390 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 98 Resp: 305278
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

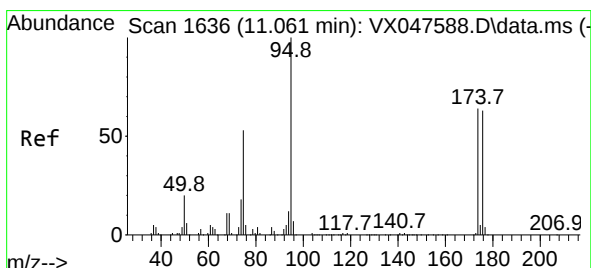
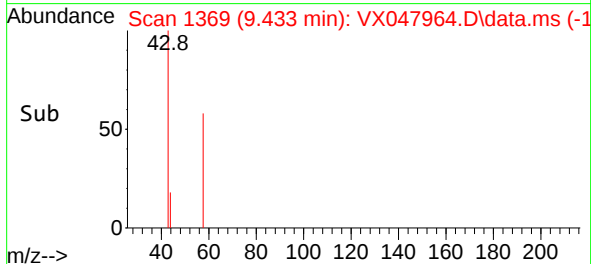
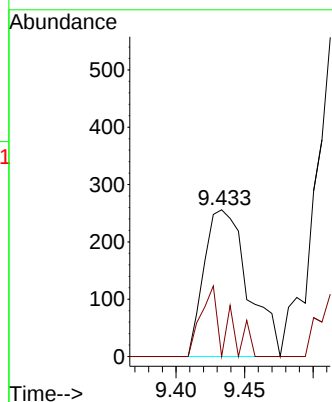
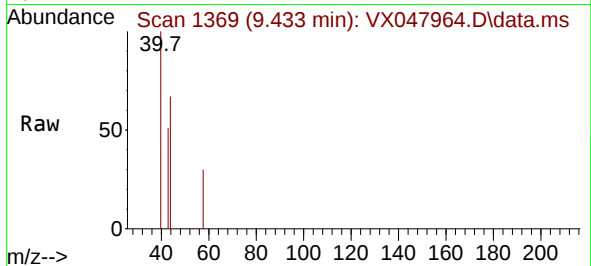




#59
2-Hexanone
Concen: 0.306 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

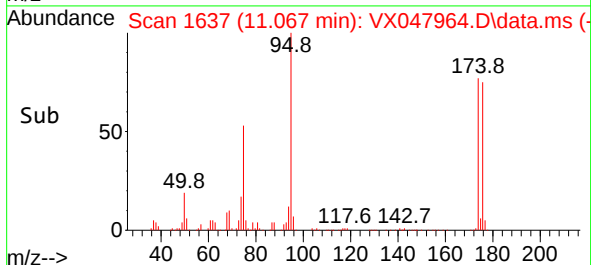
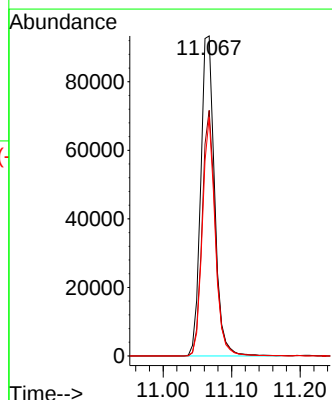
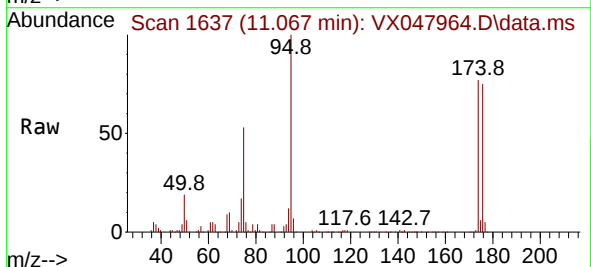
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

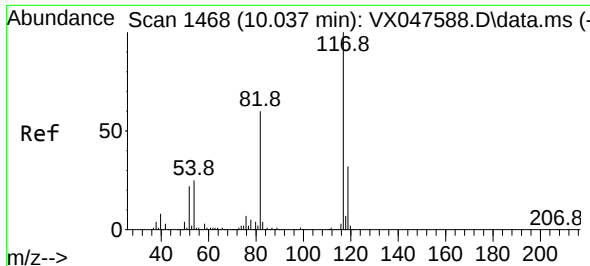
Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 27.0 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 54.994 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 95 Resp: 131671
Ion Ratio Lower Upper
95 100
174 73.5 0.0 141.6
176 69.0 0.0 138.4

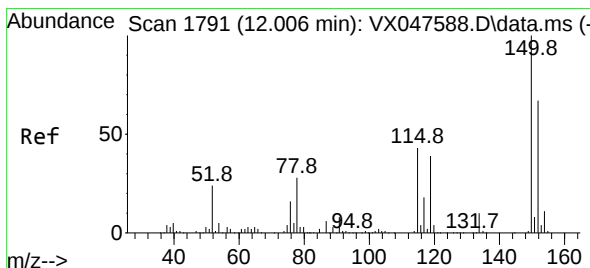
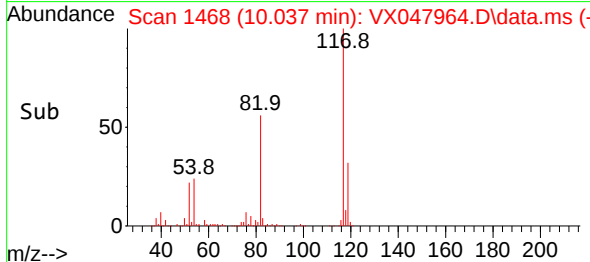
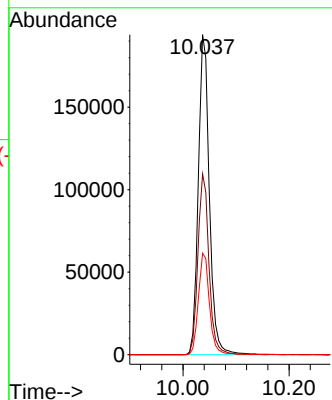
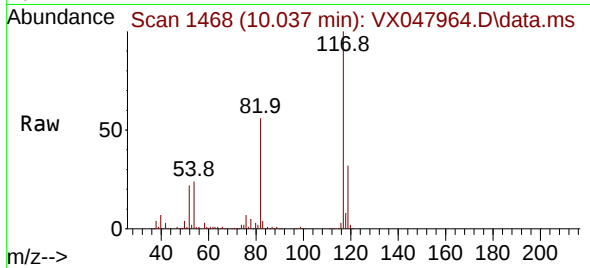




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

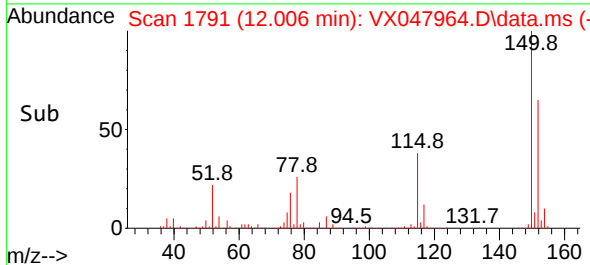
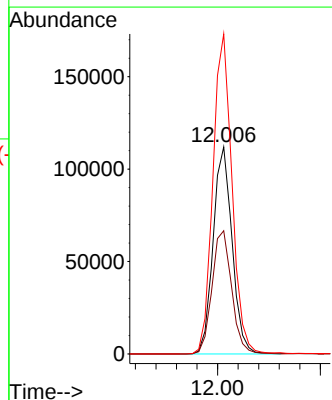
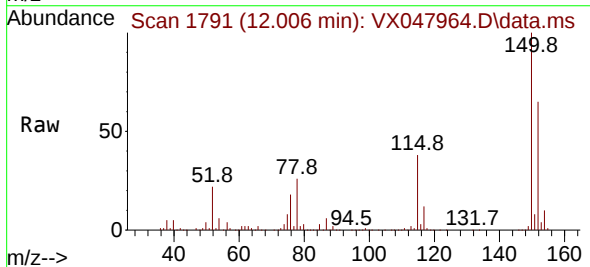
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

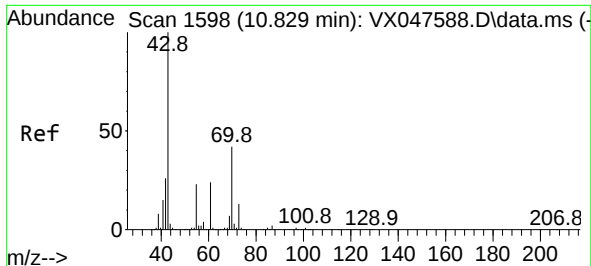
Tgt Ion:117 Resp: 280780
Ion Ratio Lower Upper
117 100
82 56.5 47.8 71.6
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion:152 Resp: 143261
Ion Ratio Lower Upper
152 100
115 61.6 44.9 134.5
150 155.8 0.0 352.0

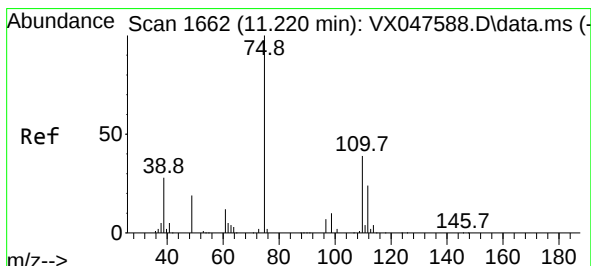
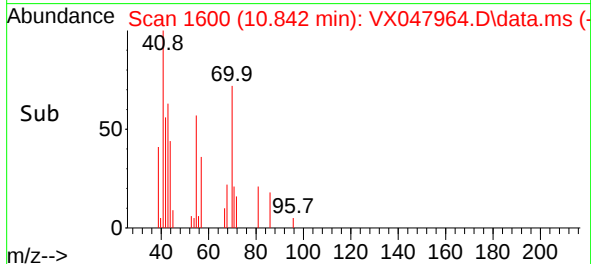
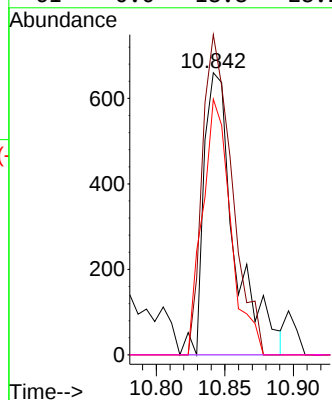
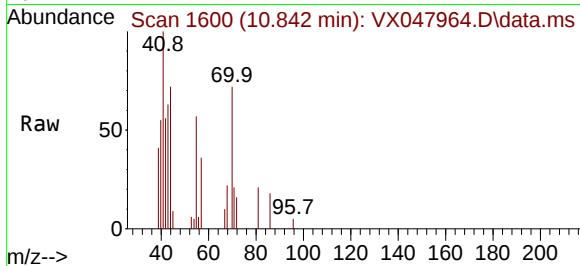




#74
N-amy1 acetate
Concen: 0.210 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

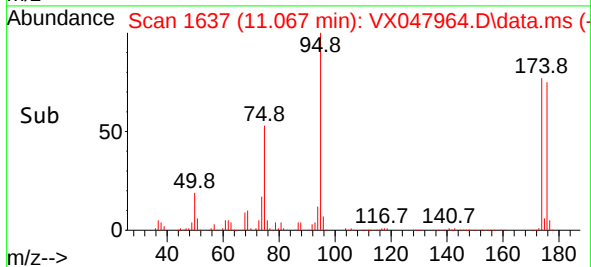
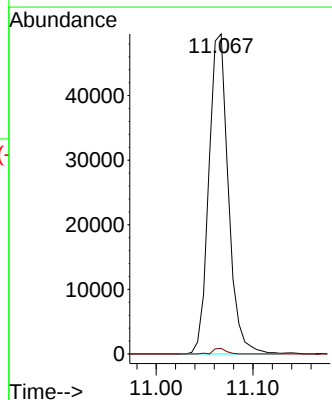
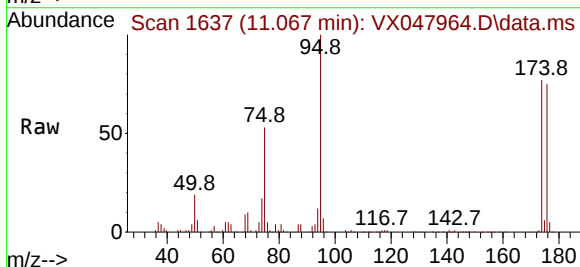
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-540-542

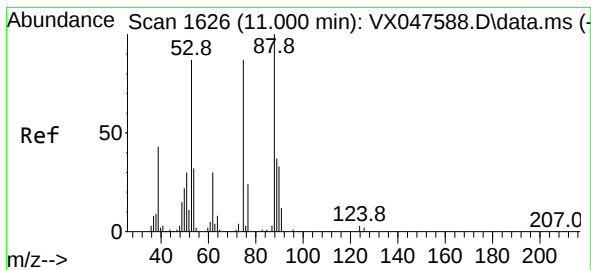
Tgt Ion: 43	Resp: 1041
Ion Ratio	Lower Upper
43 100	
70 108.8	32.0 48.0#
55 82.6	18.9 28.3#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 23.959 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047964.D
Acq: 02 Oct 2025 13:48

Tgt Ion: 75	Resp: 69494
Ion Ratio	Lower Upper
75 100	
77 1.2	18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.098 ug/l
 RT: 11.067 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX047964.D
 Acq: 02 Oct 2025 13:48

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-540-542

Tgt Ion: 75 Resp: 69494
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

