

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045036.D
 Acq On : 25 Feb 2025 14:07
 Operator : JC/MD
 Sample : Q1423-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-TB-20250220

Quant Time: Feb 26 03:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	72499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51180	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59516	56.081	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.160%	
35) Dibromofluoromethane	5.385	113	50694	53.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.920%	
50) Toluene-d8	8.647	98	180199	50.724	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	11.079	95	58629	48.954	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.900%	

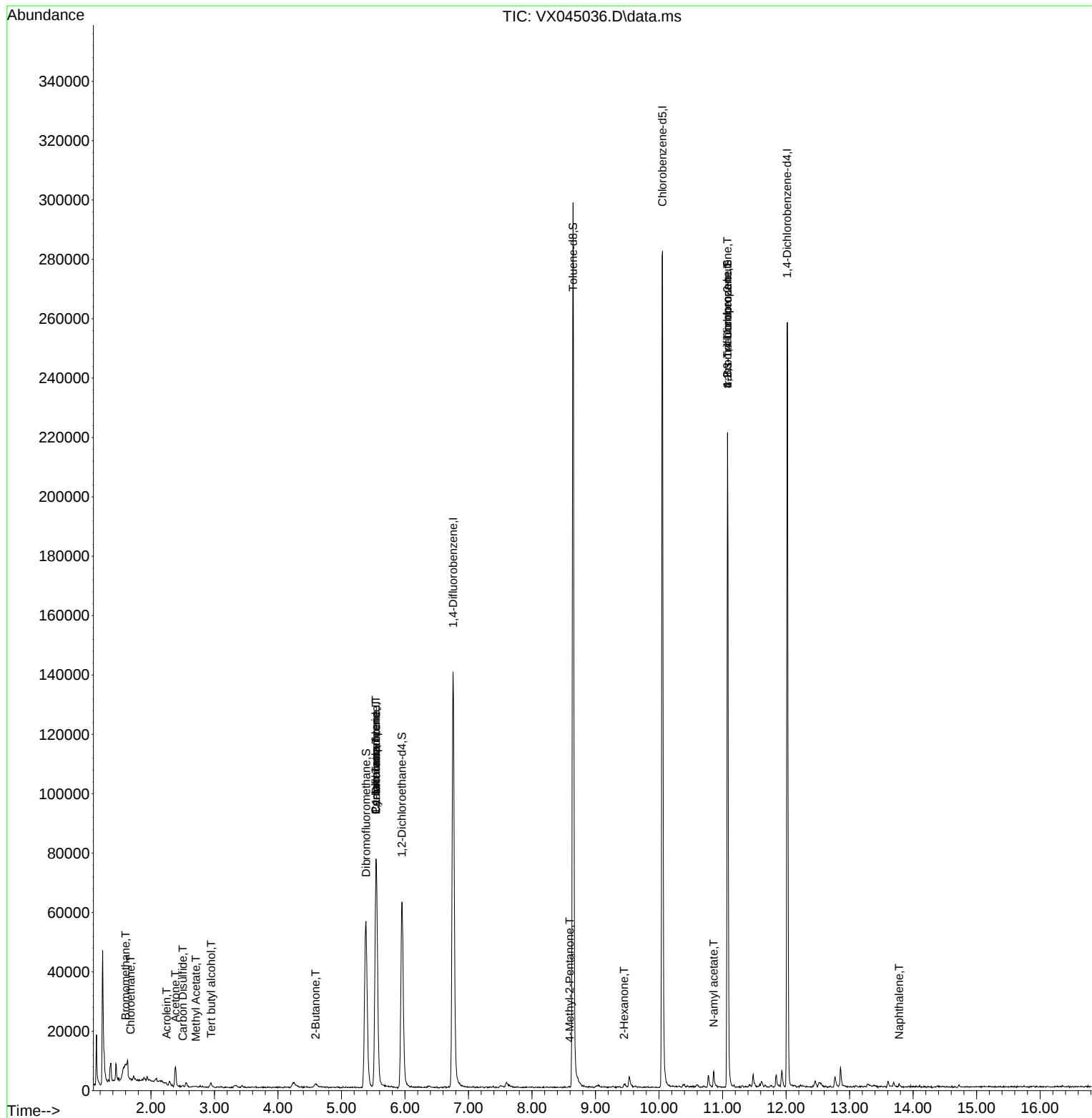
Target Compounds			Qvalue			
5) Bromomethane	1.599	94	148	0.413	ug/l	94
6) Chloroethane	1.679	64	891	2.880	ug/l #	42
11) Tert butyl alcohol	2.947	59	974	4.947	ug/l #	73
13) Acrolein	2.245	56	106	0.522	ug/l #	15
16) Acetone	2.386	43	7200	16.876	ug/l	97
17) Carbon Disulfide	2.502	76	717	0.280	ug/l #	87
18) Methyl Acetate	2.709	43	301	0.224	ug/l #	52
25) 2-Butanone	4.593	43	2709	3.910	ug/l	94
31) Cyclohexane	5.544	56	1930	1.171	ug/l #	27
36) 1,1-Dichloropropene	5.544	75	6296	4.645	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7471	5.625	ug/l #	15
51) 4-Methyl-2-Pentanone	8.592	43	353	0.239	ug/l #	74
59) 2-Hexanone	9.452	43	1226	1.150	ug/l	79
74) N-amyl acetate	10.860	43	1200	0.644	ug/l #	39
76) 1,2,3-Trichloropropane	11.079	75	31150	27.451	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	31150	70.615	ug/l #	11
95) Naphthalene	13.780	128	1182	0.320	ug/l #	72

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

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Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX045036.D

Acq: 25 Feb 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

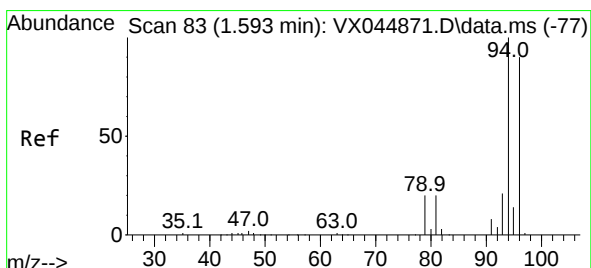
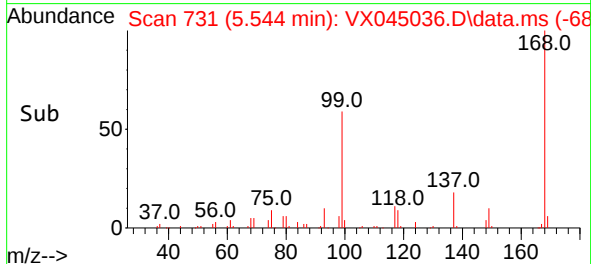
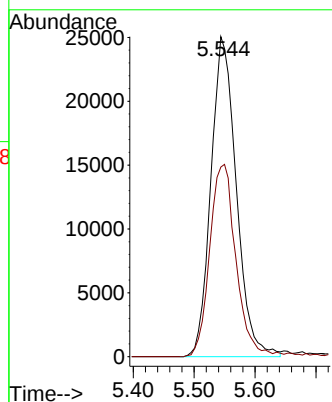
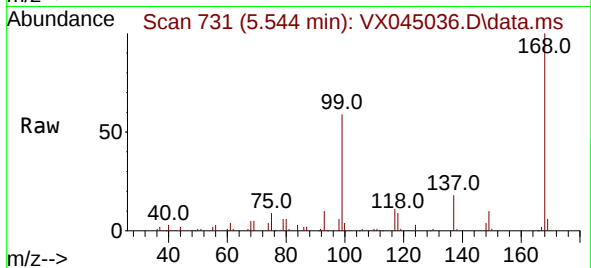
BP-VPB-192-TB-20250220

Tgt Ion:168 Resp: 72499

Ion Ratio Lower Upper

168 100

99 59.3 51.2 76.8



#5

Bromomethane

Concen: 0.413 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX045036.D

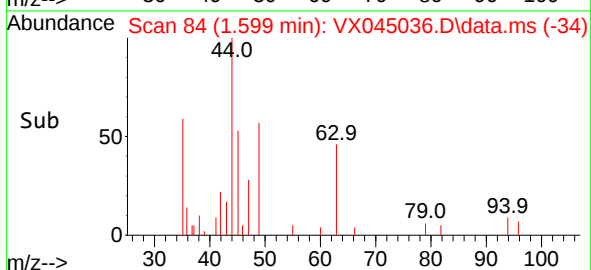
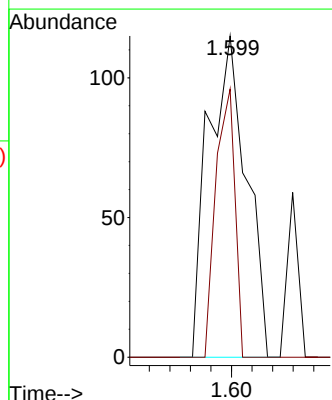
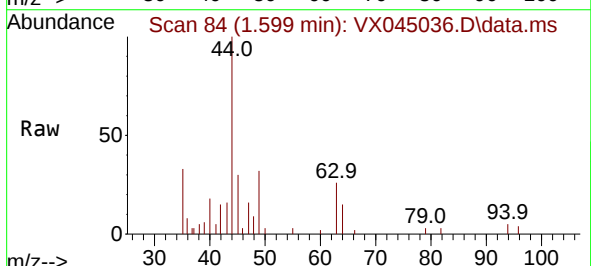
Acq: 25 Feb 2025 14:07

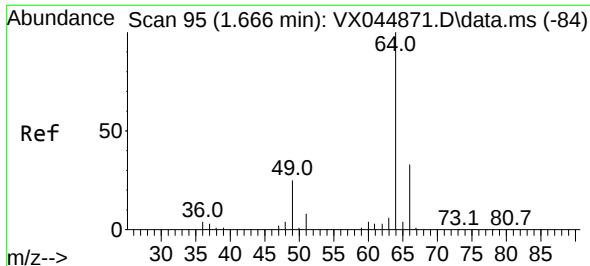
Tgt Ion: 94 Resp: 148

Ion Ratio Lower Upper

94 100

96 83.5 71.6 107.4

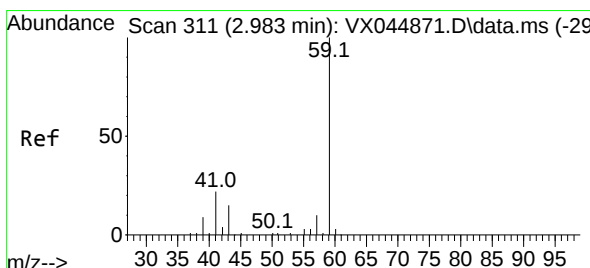
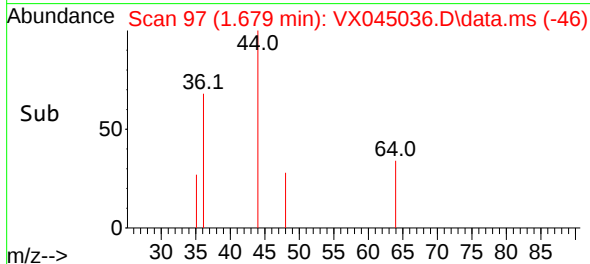
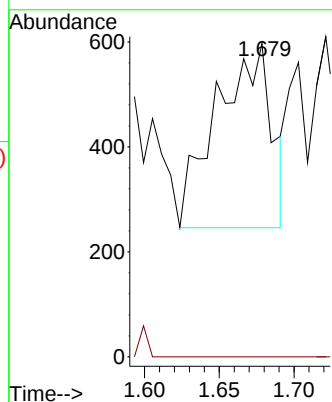
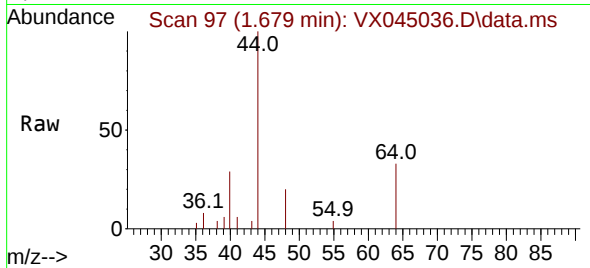




#6
Chloroethane
Concen: 2.880 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

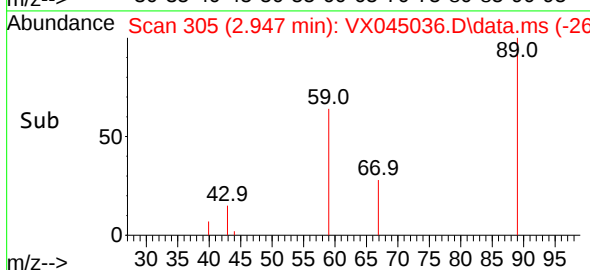
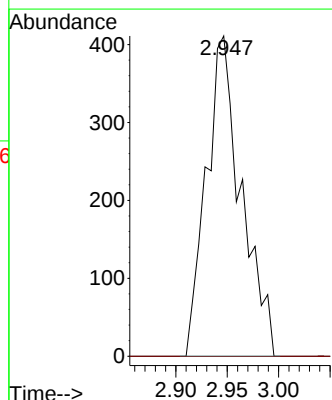
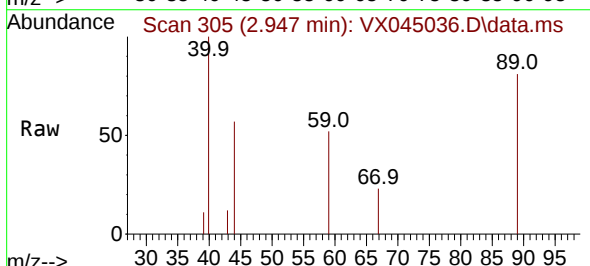
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

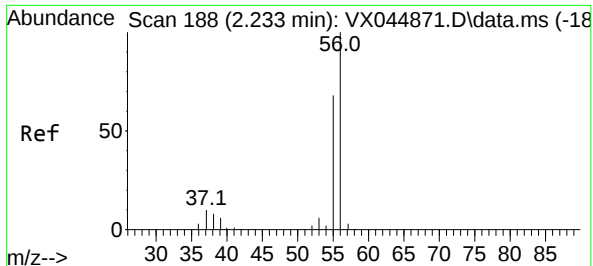
Tgt Ion: 64 Resp: 891
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 4.947 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

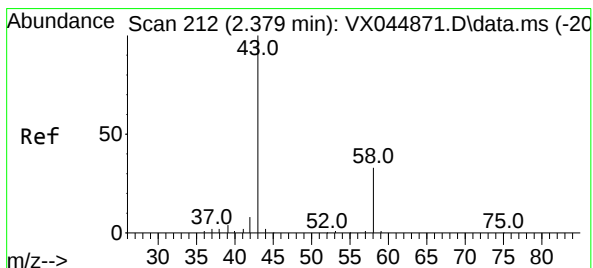
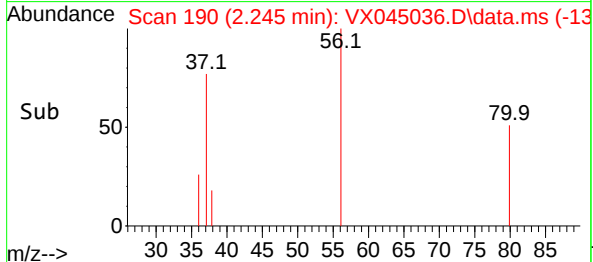
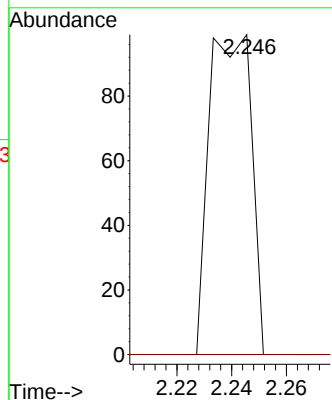
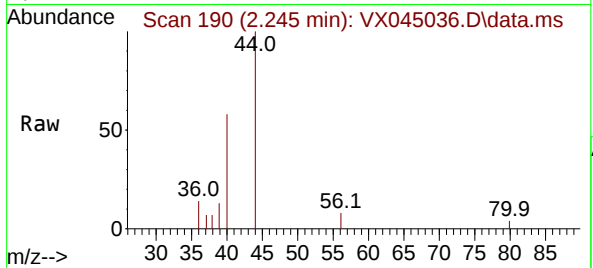




#13
Acrolein
Concen: 0.522 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.013 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

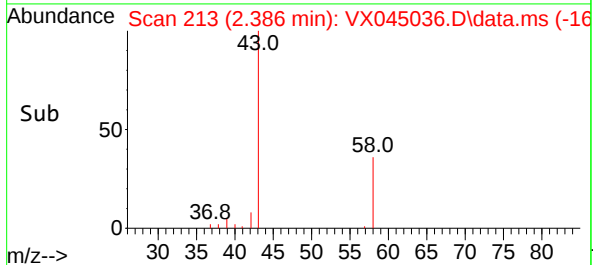
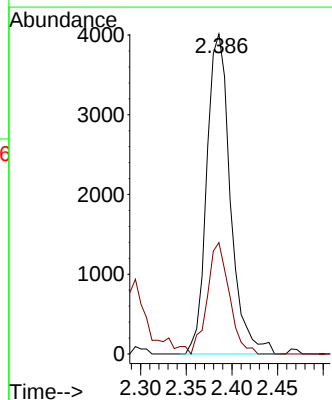
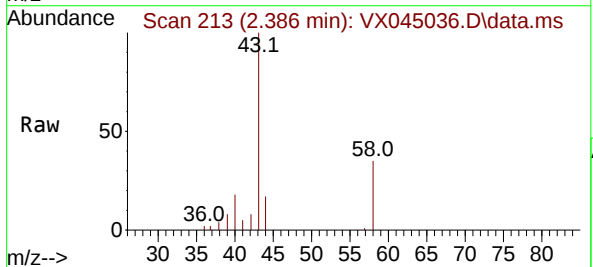
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

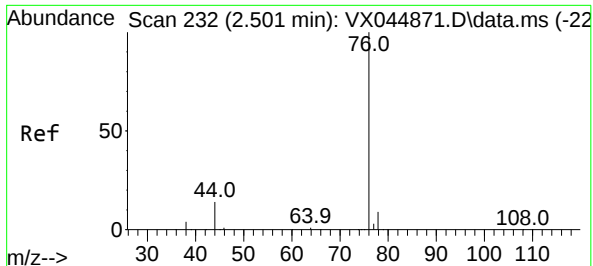
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 16.876 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 43 Resp: 7200
Ion Ratio Lower Upper
43 100
58 34.8 26.5 39.7

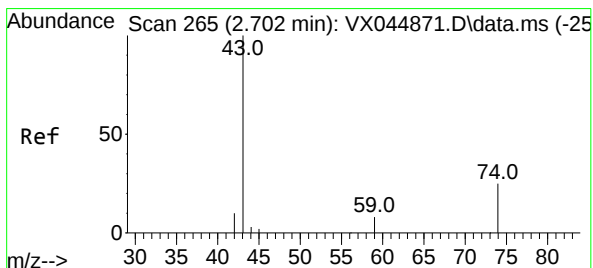
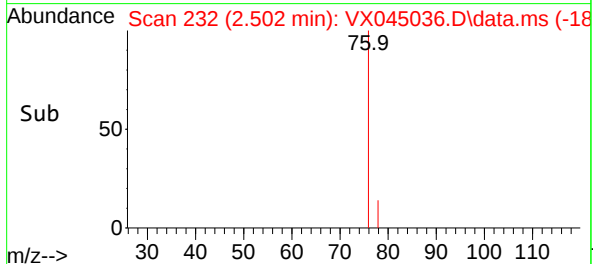
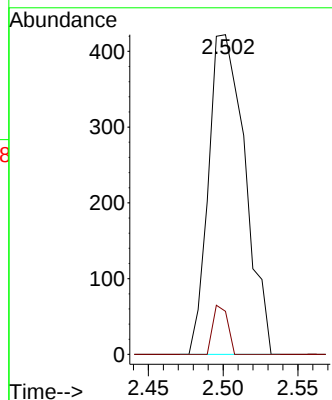
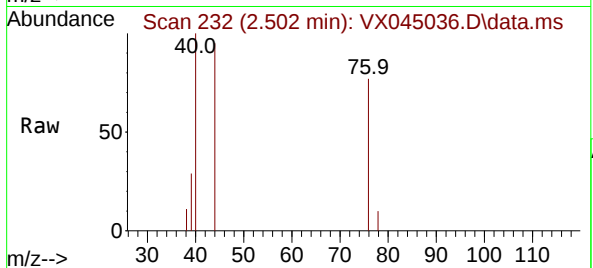




#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

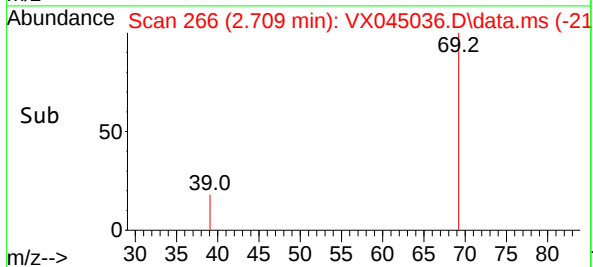
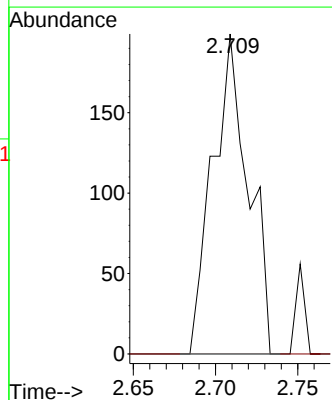
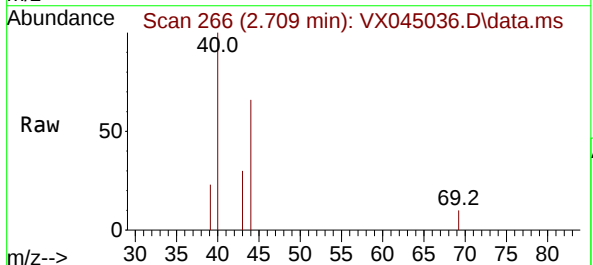
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

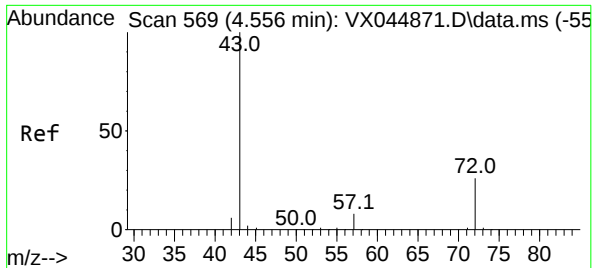
Tgt Ion: 76 Resp: 717
Ion Ratio Lower Upper
76 100
78 13.5 7.0 10.4#



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

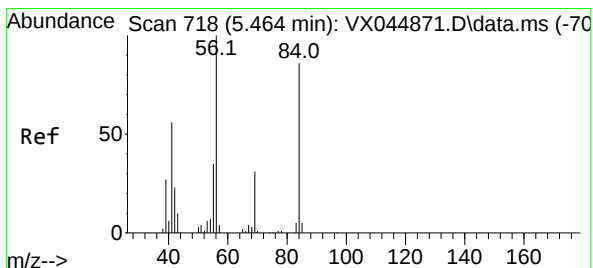
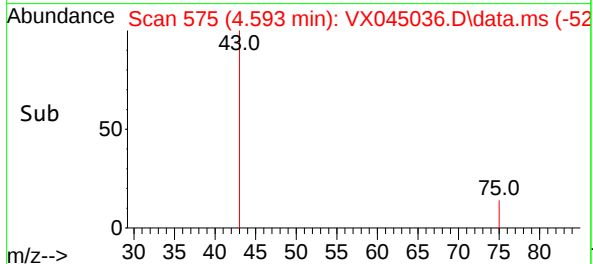
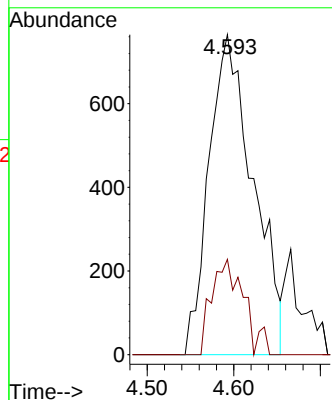
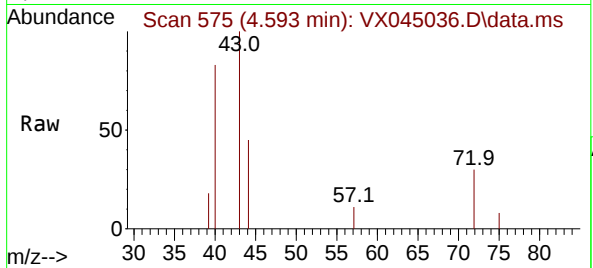




#25
2-Butanone
Concen: 3.910 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

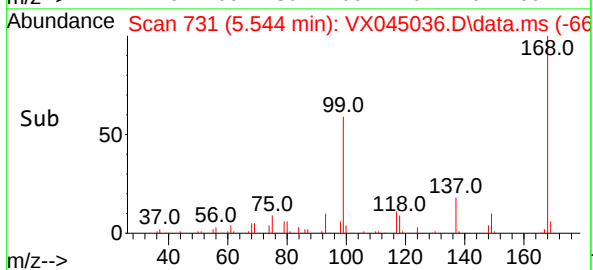
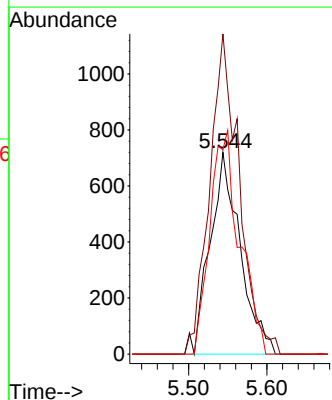
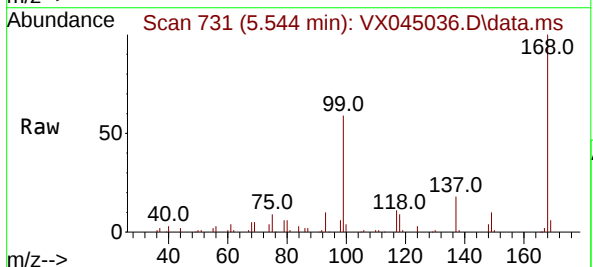
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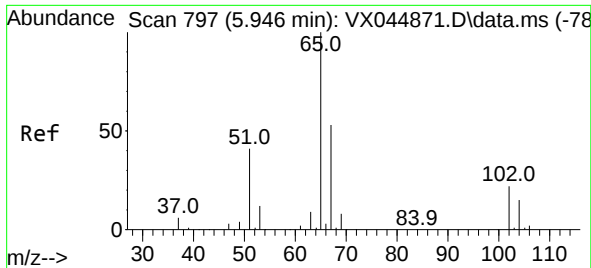
Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
72 29.8 21.2 31.8



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.080 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 56 Resp: 1930
Ion Ratio Lower Upper
56 100
69 158.8 24.4 36.6#
84 101.4 69.0 103.6

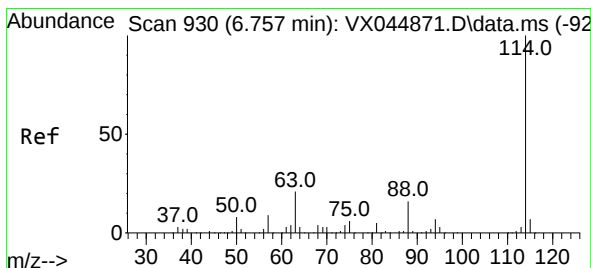
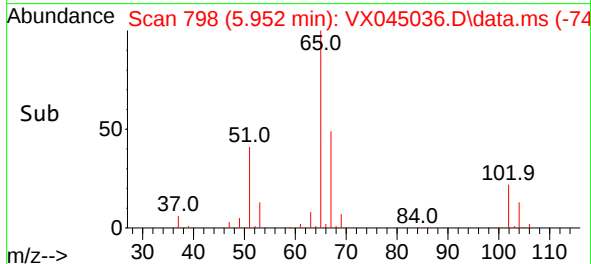
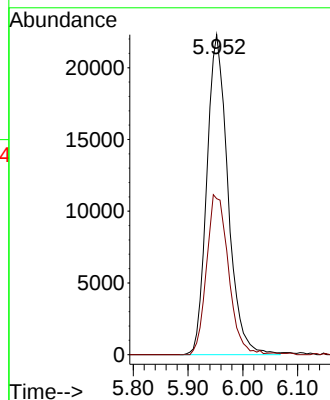
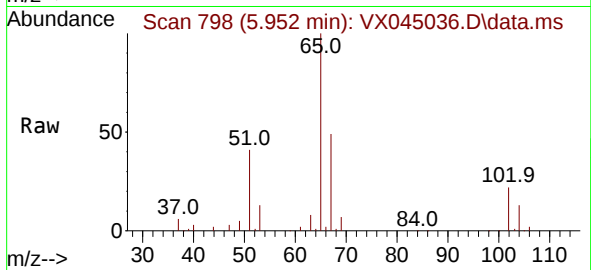




#33
 1,2-Dichloroethane-d4
 Concen: 56.081 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX045036.D
 Acq: 25 Feb 2025 14:07

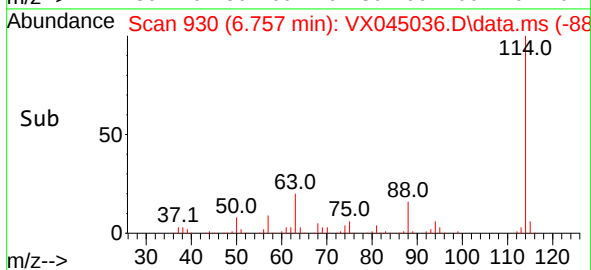
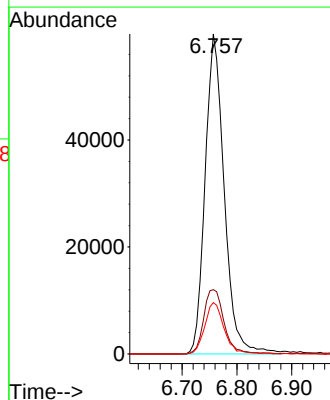
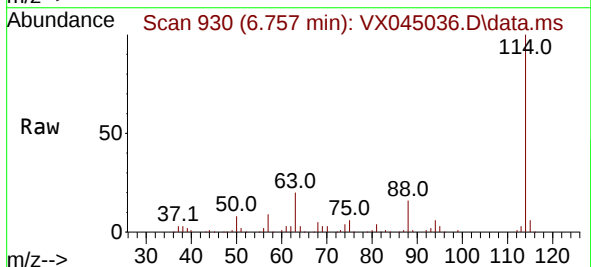
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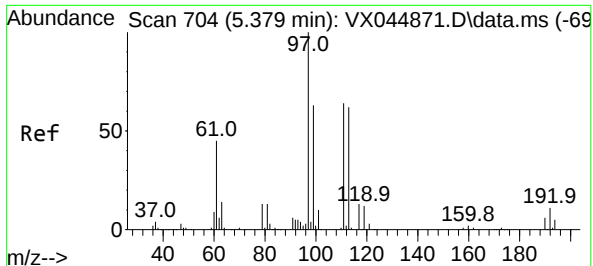
Tgt Ion: 65 Resp: 59516
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045036.D
 Acq: 25 Feb 2025 14:07

Tgt Ion: 114 Resp: 144497
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 16.0 0.0 31.4

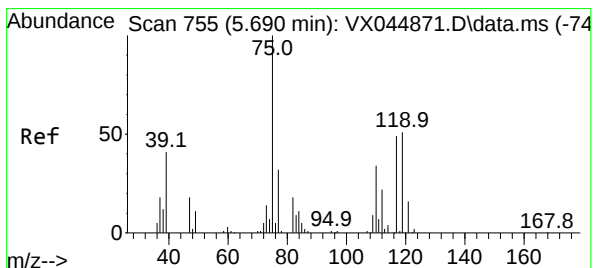
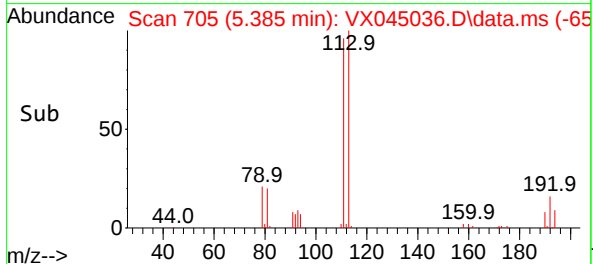
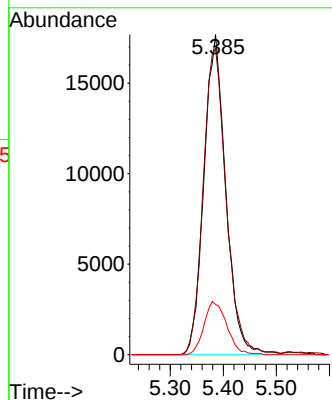
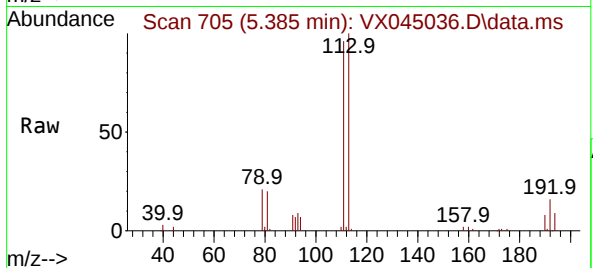




#35
Dibromofluoromethane
Concen: 53.960 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

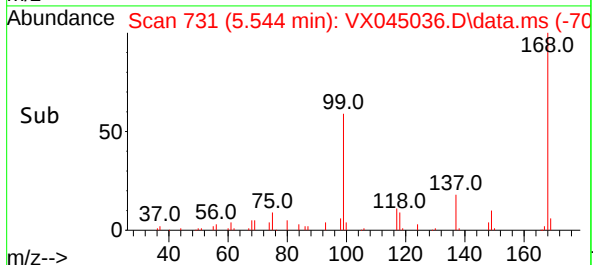
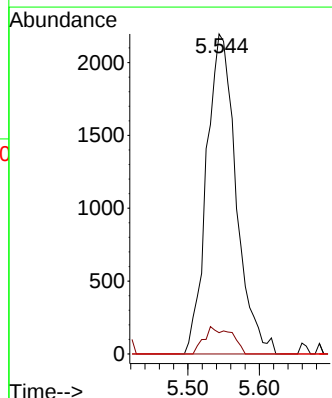
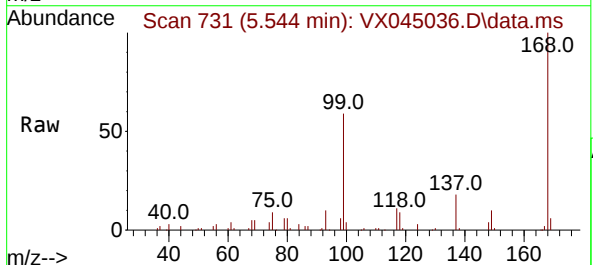
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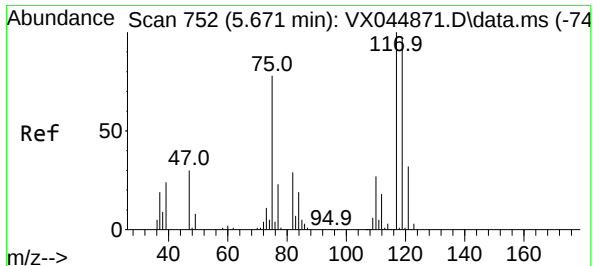
Tgt Ion:113 Resp: 50694
Ion Ratio Lower Upper
113 100
111 99.7 83.5 125.3
192 17.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

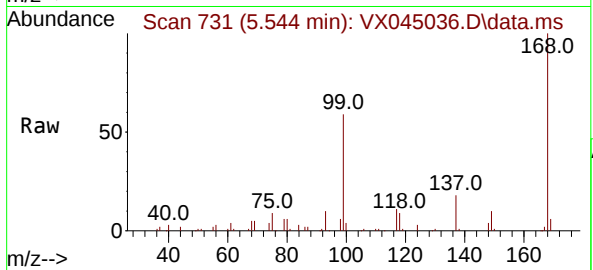
Tgt Ion: 75 Resp: 6296
Ion Ratio Lower Upper
75 100
110 7.9 17.2 51.6#
77 0.0 24.6 37.0#



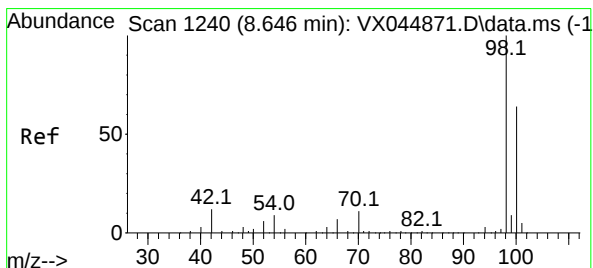
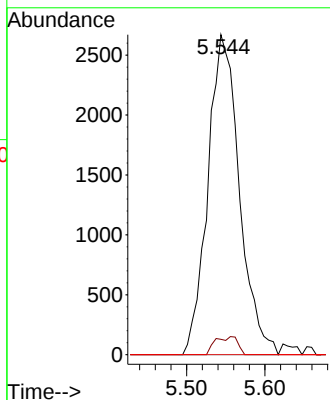
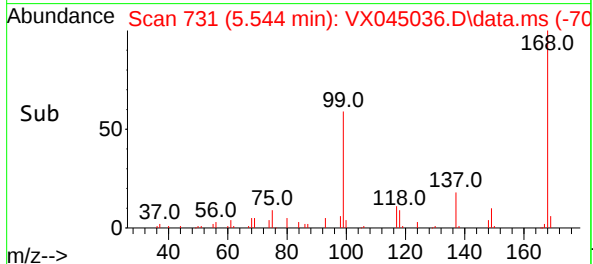


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

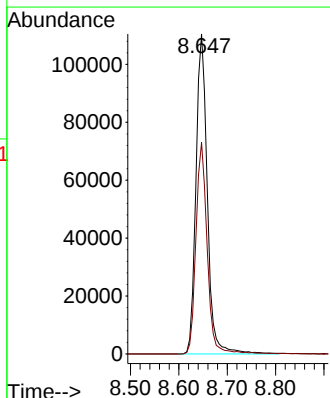
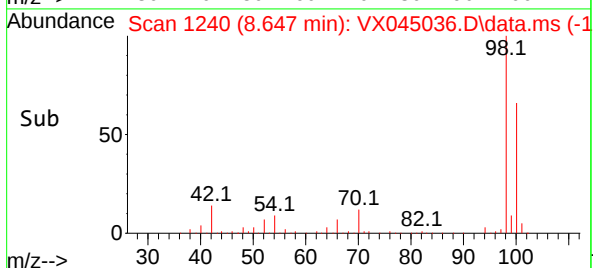
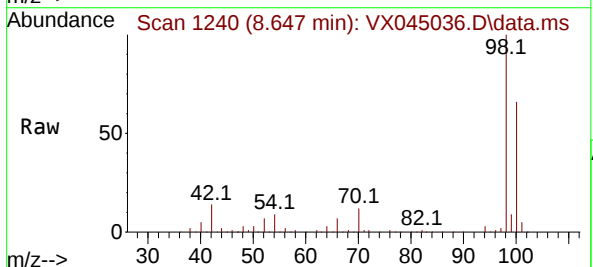


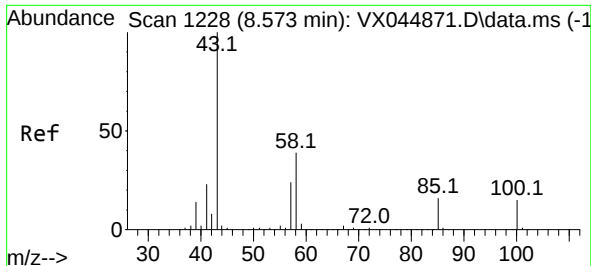
Tgt Ion:117 Resp: 7471
Ion Ratio Lower Upper
117 100
119 4.8 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 50.724 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 98 Resp: 180199
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

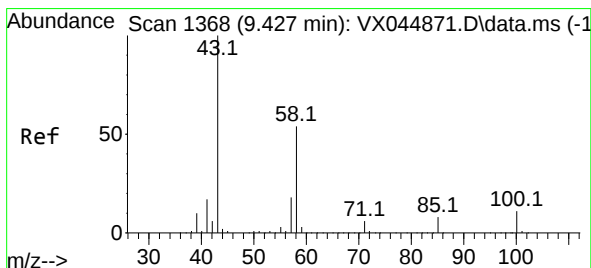
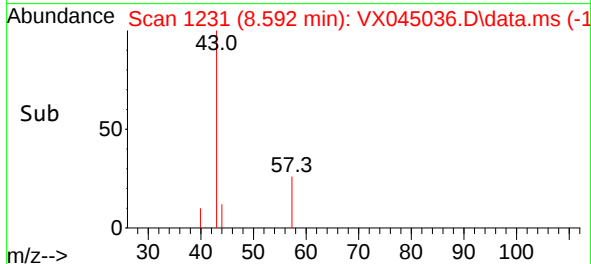
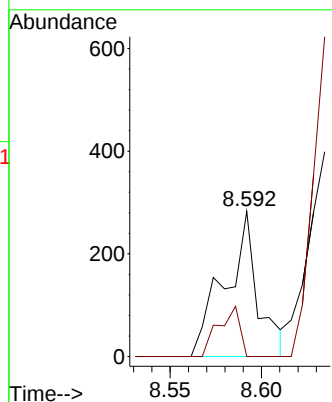
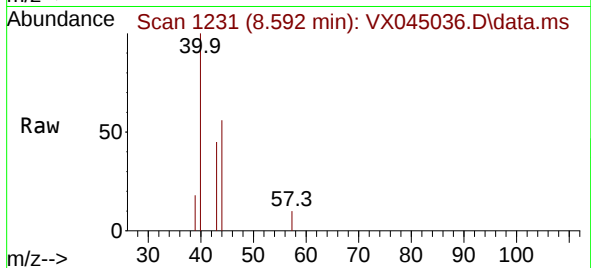




#51
4-Methyl-2-Pentanone
Concen: 0.239 ug/l
RT: 8.592 min Scan# 11
Delta R.T. 0.019 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

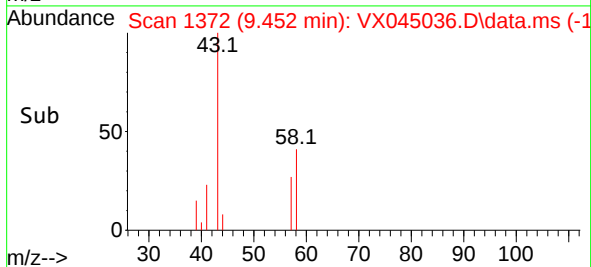
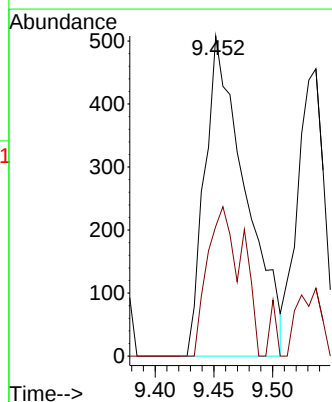
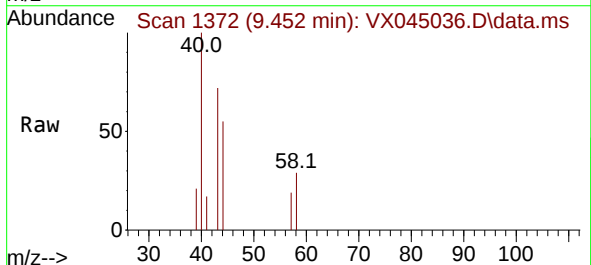
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

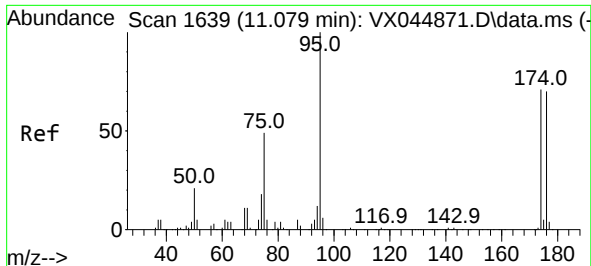
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 22.7 30.8 46.2#



#59
2-Hexanone
Concen: 1.150 ug/l
RT: 9.452 min Scan# 1372
Delta R.T. 0.025 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 39.8 27.5 82.4

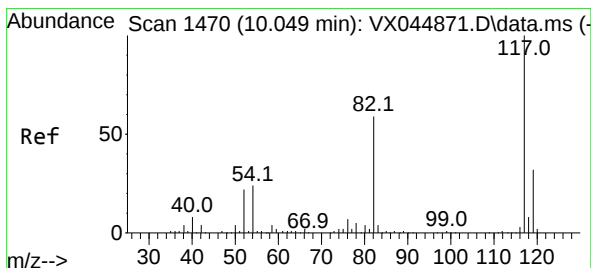
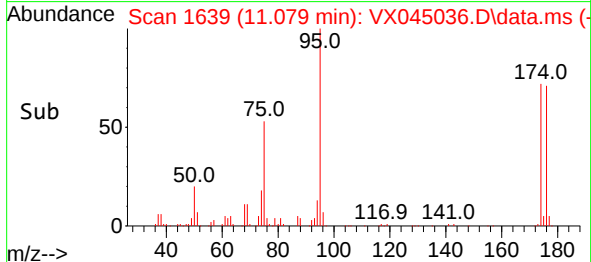
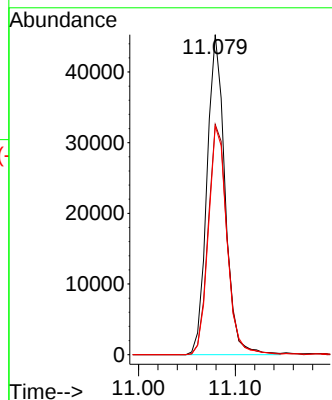
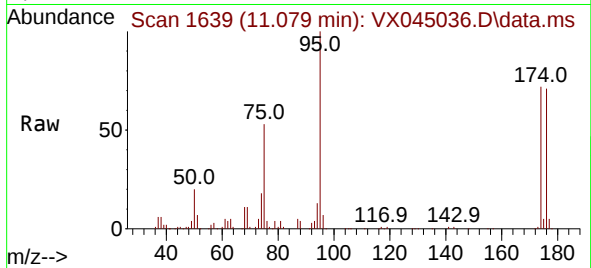




#62
4-Bromofluorobenzene
Concen: 48.954 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

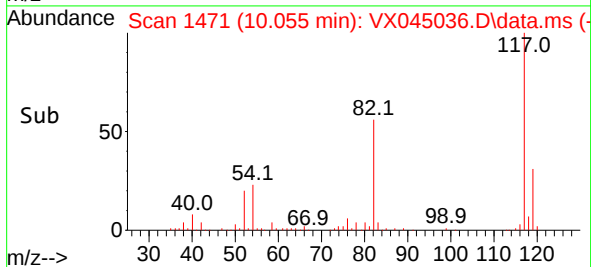
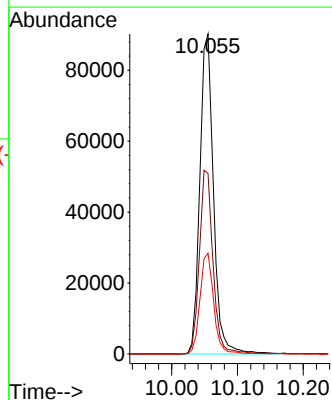
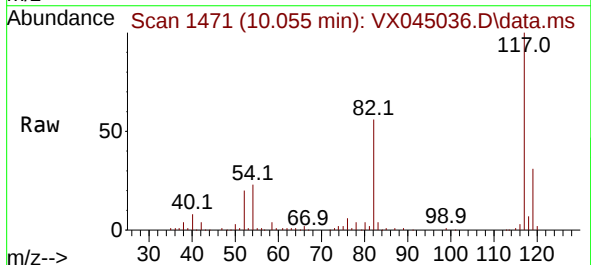
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

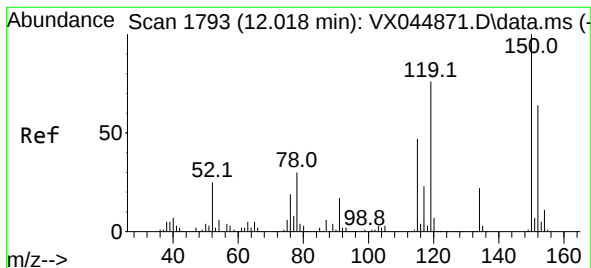
Tgt Ion: 95 Resp: 58629
Ion Ratio Lower Upper
95 100
174 75.5 0.0 142.6
176 73.3 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 117 Resp: 130318
Ion Ratio Lower Upper
117 100
82 56.4 47.5 71.3
119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045036.D

Acq: 25 Feb 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250220

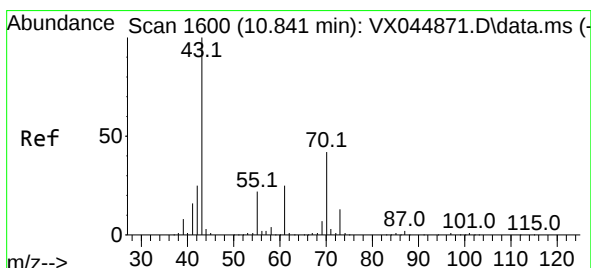
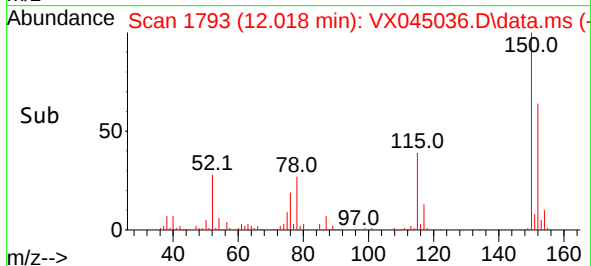
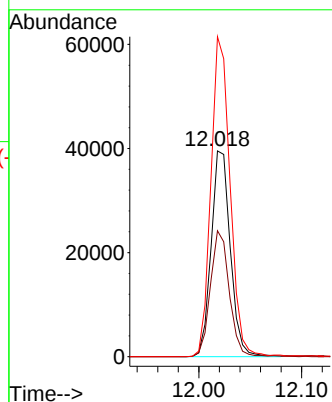
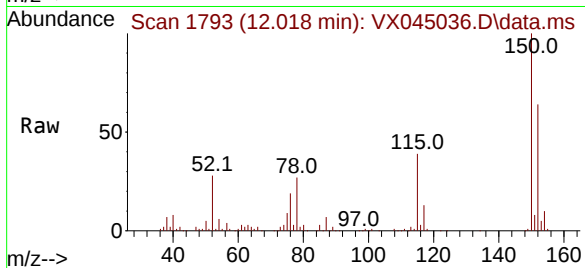
Tgt Ion:152 Resp: 51180

Ion Ratio Lower Upper

152 100

115 60.4 43.4 130.1

150 155.4 0.0 350.4



#74

N-ethyl acetate

Concen: 0.644 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.019 min

Lab File: VX045036.D

Acq: 25 Feb 2025 14:07

Tgt Ion: 43 Resp: 1200

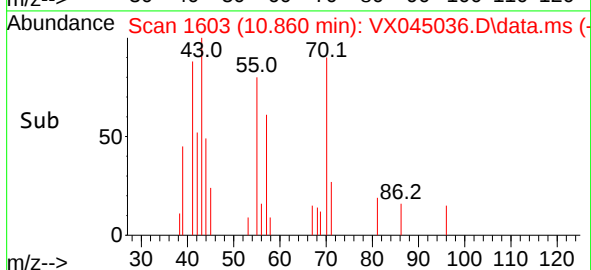
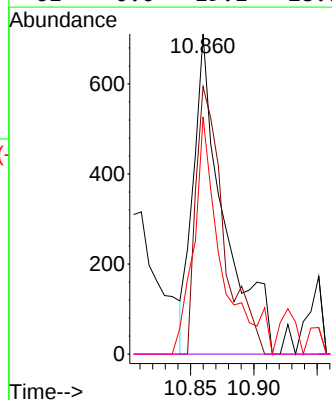
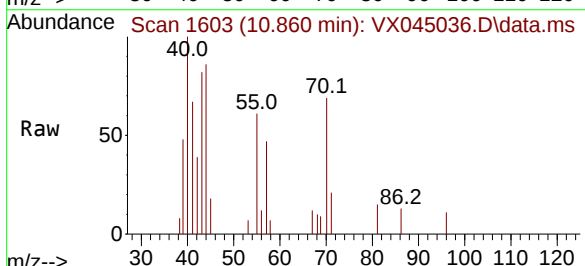
Ion Ratio Lower Upper

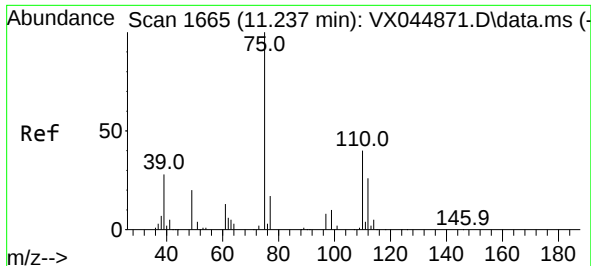
43 100

70 76.0 33.7 50.5#

55 66.6 18.6 27.8#

61 0.0 19.1 28.7#

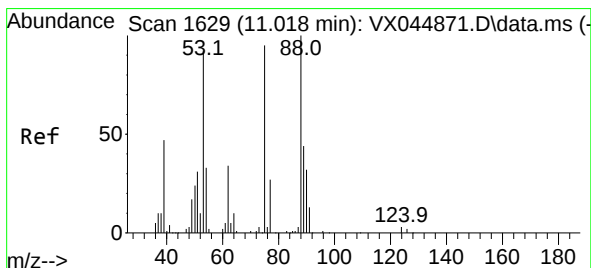
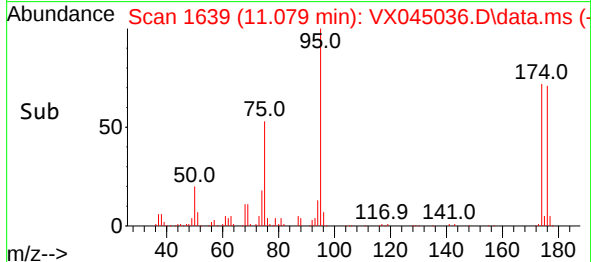
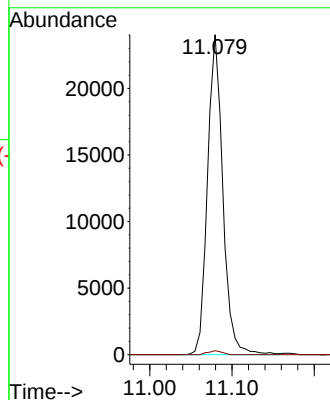
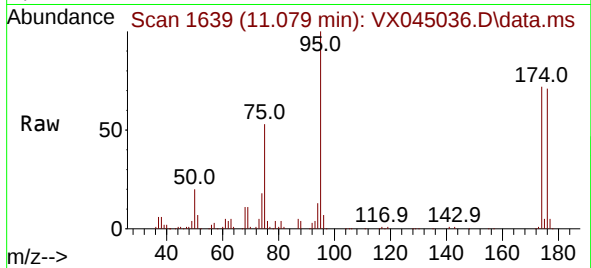




#76
1,2,3-Trichloropropane
Concen: 27.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

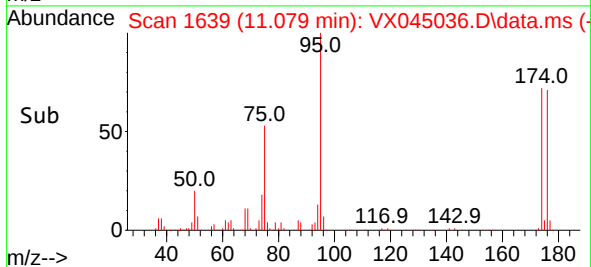
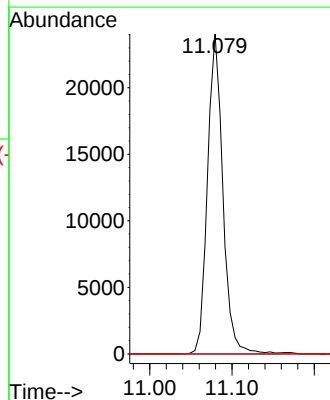
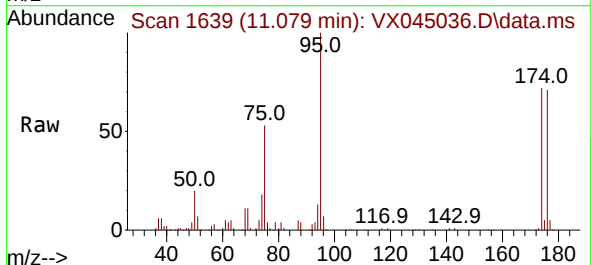
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

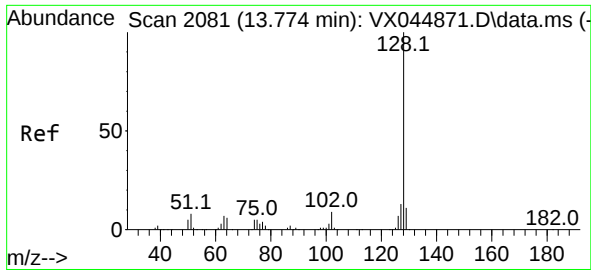
Tgt Ion: 75 Resp: 31150
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045036.D
Acq: 25 Feb 2025 14:07

Tgt Ion: 75 Resp: 31150
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 0.320 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045036.D

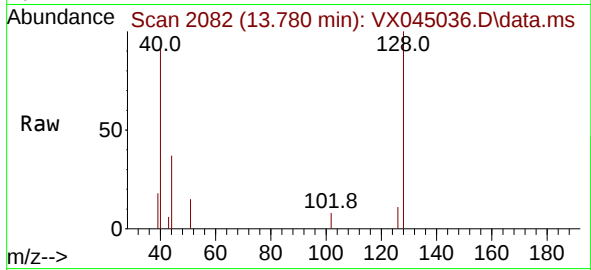
Acq: 25 Feb 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250220



Tgt Ion:128 Resp: 1182

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 1.8 8.9 13.3#

