

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045038.D
 Acq On : 25 Feb 2025 14:54
 Operator : JC/MD
 Sample : Q1423-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB192-HYD-20250221

Quant Time: Feb 26 03:16:57 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)

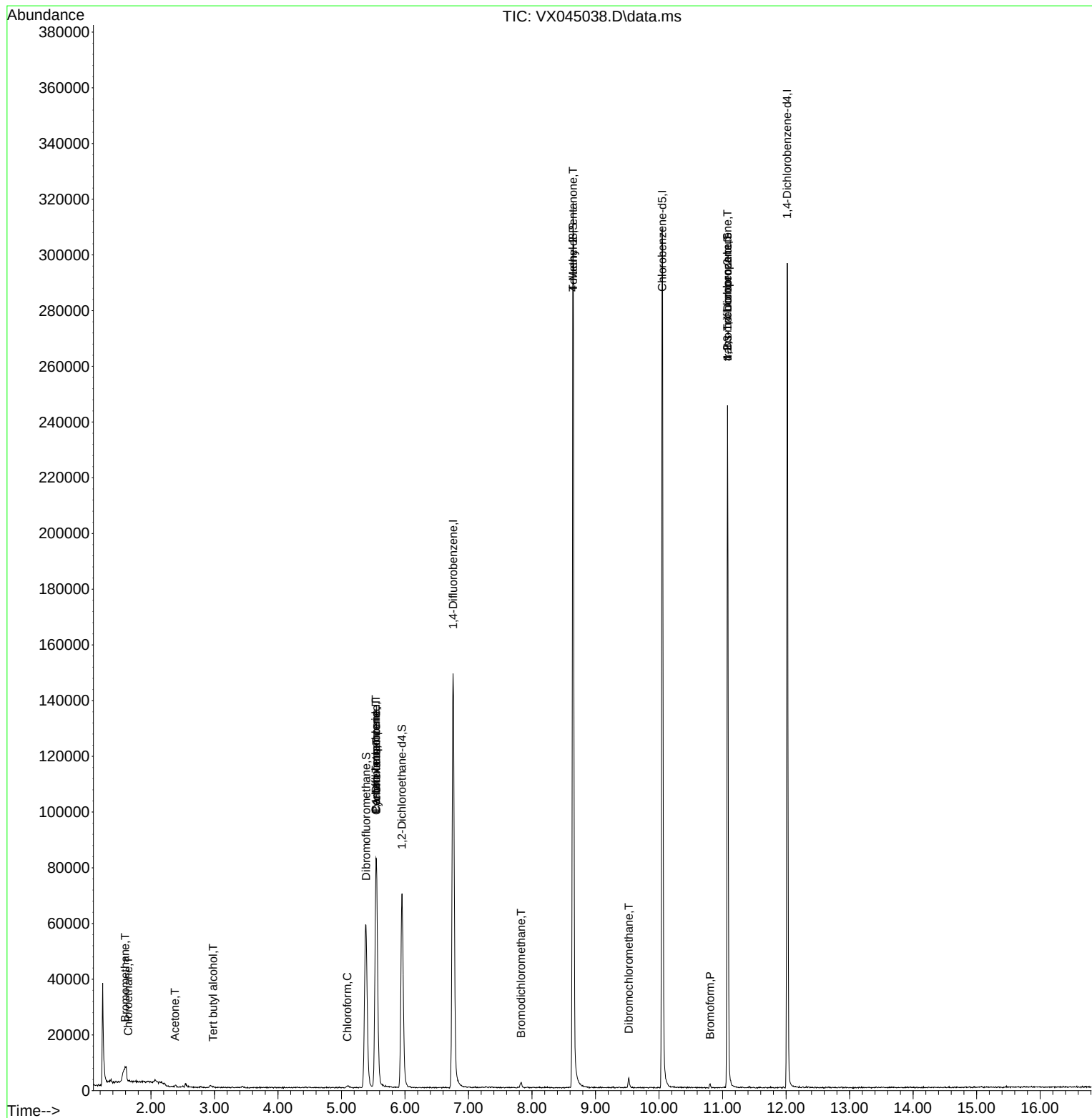
Internal Standards						
1) Pentafluorobenzene	5.544	168	78098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63724	55.741	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.480%	
35) Dibromofluoromethane	5.385	113	53252	52.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.960%	
50) Toluene-d8	8.647	98	191636	50.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	11.079	95	64904	50.658	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	110	0.285	ug/l #	5
6) Chloroethane	1.642	64	400	1.981	ug/l #	42
11) Tert butyl alcohol	2.977	59	116	0.547	ug/l #	73
16) Acetone	2.380	43	821	1.786	ug/l #	83
30) Chloroform	5.092	83	834	0.447	ug/l	91
31) Cyclohexane	5.550	56	2004	1.129	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	7018	4.840	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8001	5.631	ug/l #	14
47) Bromodichloromethane	7.830	83	1499	0.991	ug/l #	89
51) 4-Methyl-2-Pentanone	8.647	43	1002	0.633	ug/l #	1
60) Dibromochloromethane	9.525	129	1635	1.475	ug/l	97
71) Bromoform	10.805	173	498	0.672	ug/l #	90
76) 1,2,3-Trichloropropane	11.079	75	35329	27.845	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35329	71.629	ug/l #	11

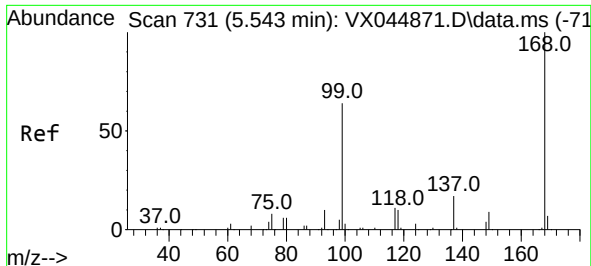
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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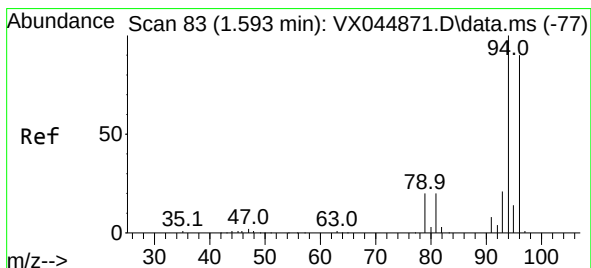
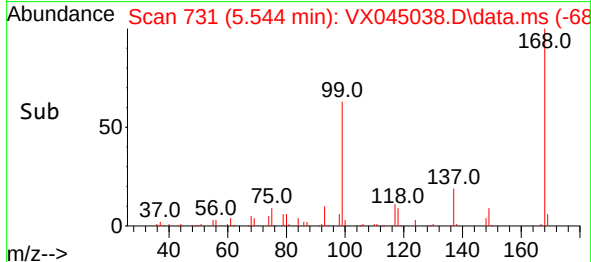
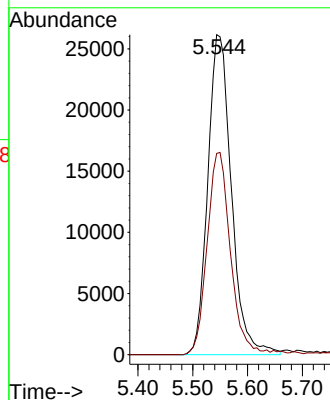
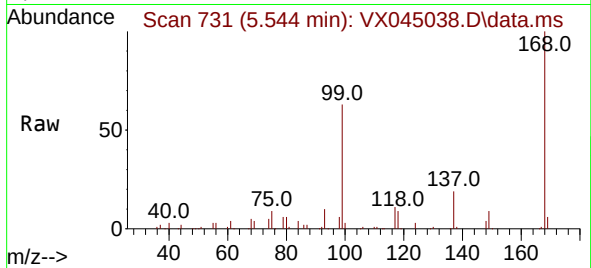




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

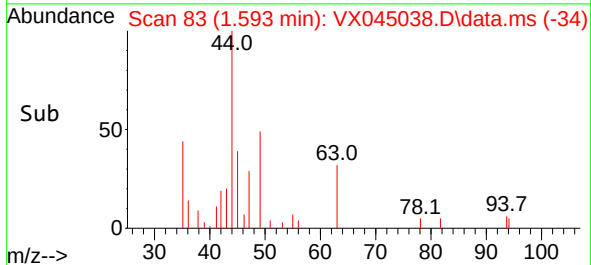
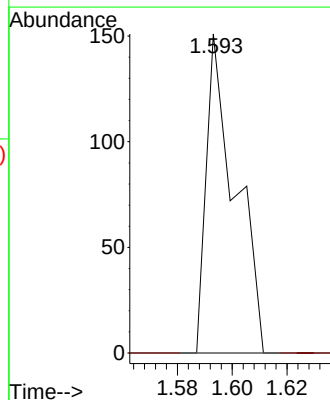
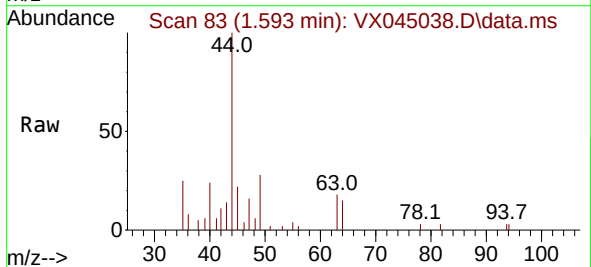
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

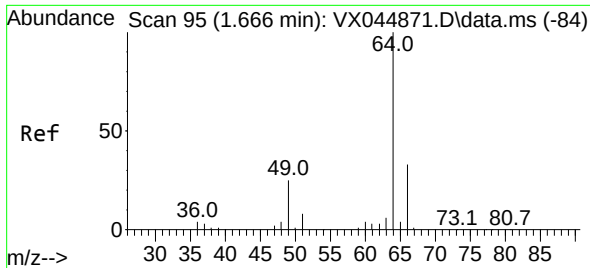
Tgt Ion:168 Resp: 78098
Ion Ratio Lower Upper
168 100
99 62.9 51.2 76.8



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 0.0 71.6 107.4#

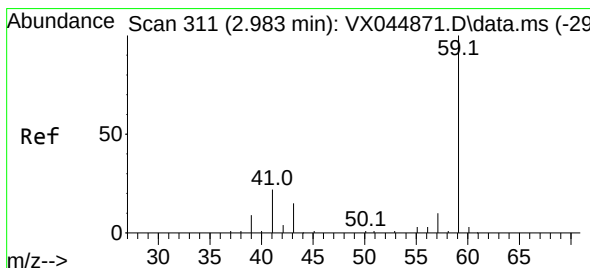
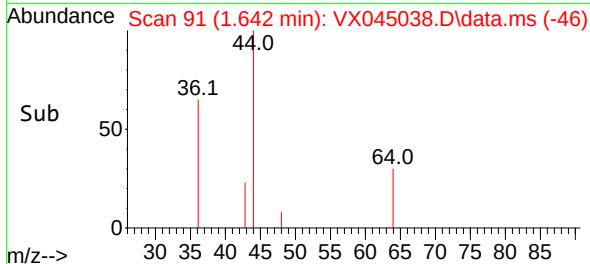
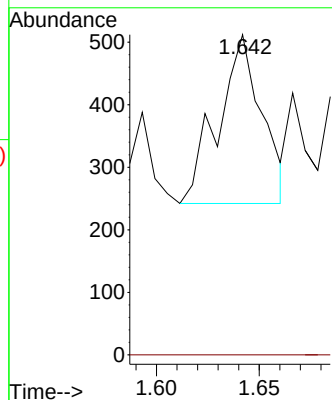
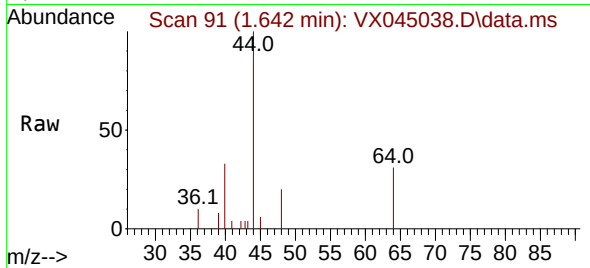




#6
Chloroethane
Concen: 1.981 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

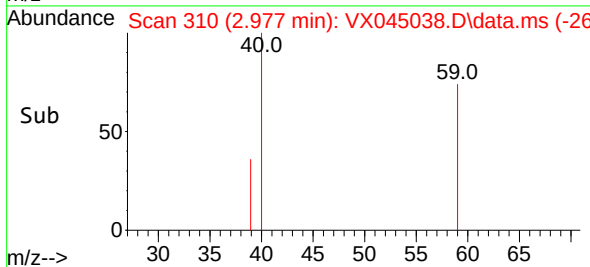
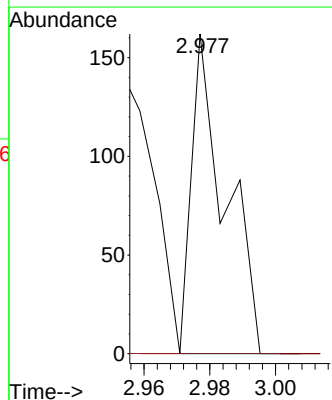
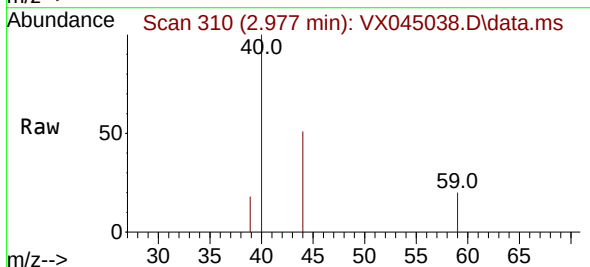
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

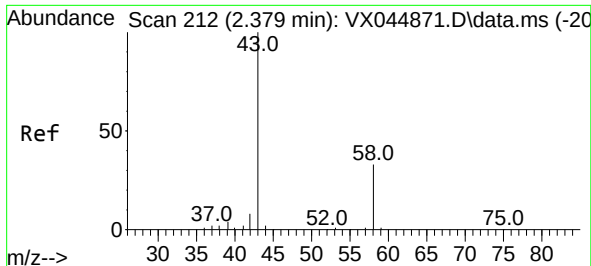
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 0.547 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

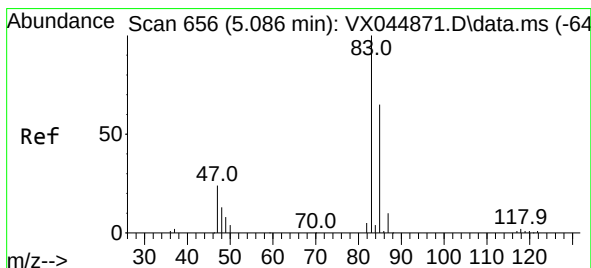
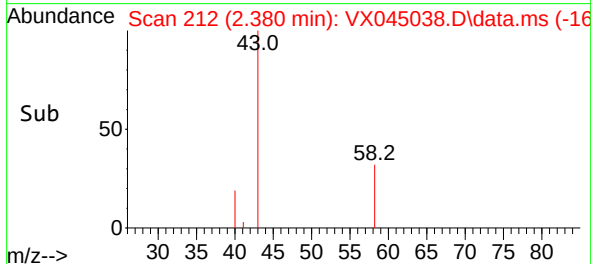
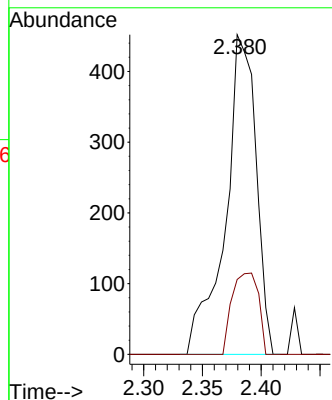
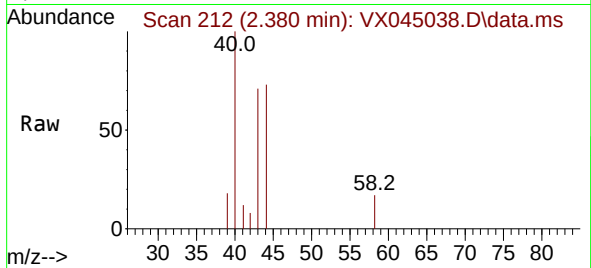




#16
Acetone
Concen: 1.786 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

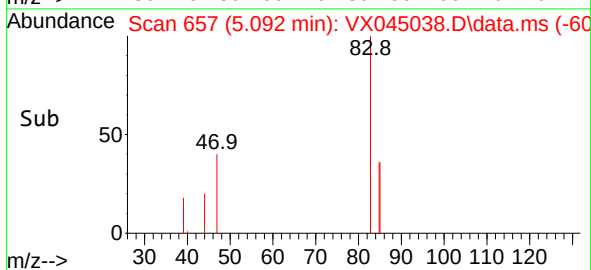
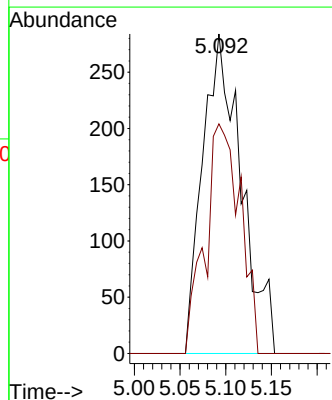
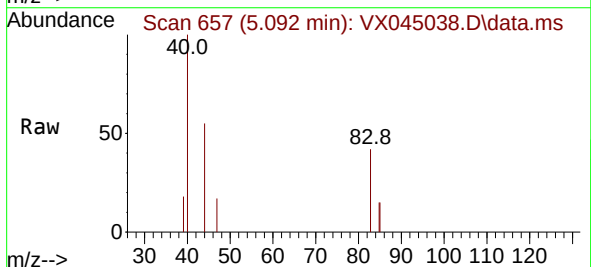
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

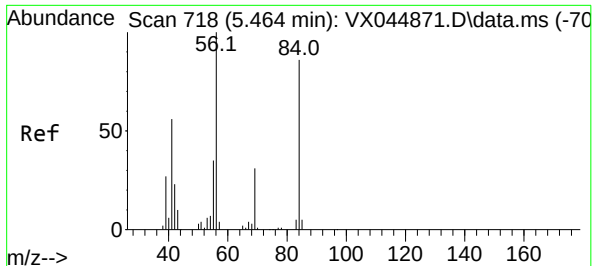
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 23.5 26.5 39.7#



#30
Chloroform
Concen: 0.447 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

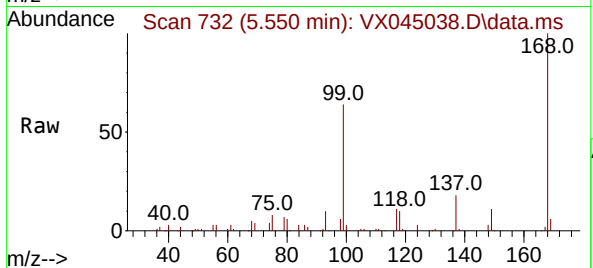
Tgt Ion: 83 Resp: 834
Ion Ratio Lower Upper
83 100
85 71.8 52.1 78.1



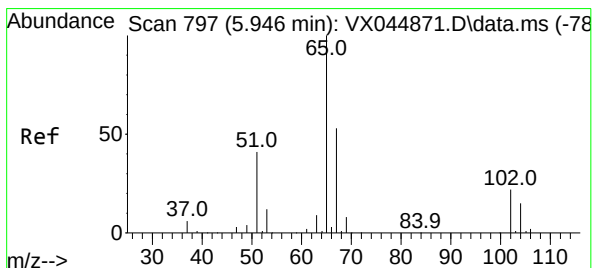
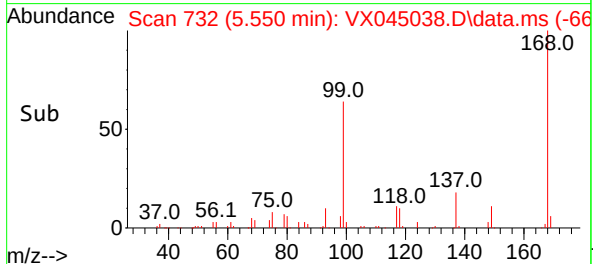
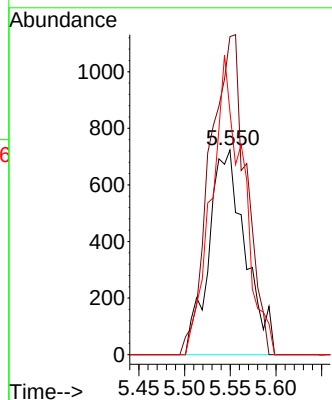


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

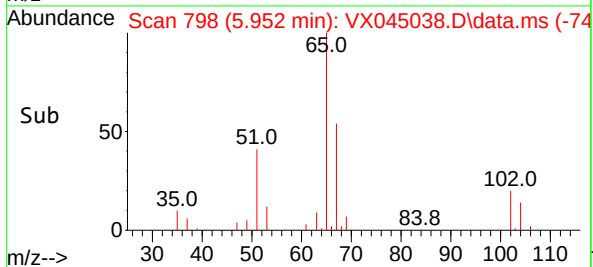
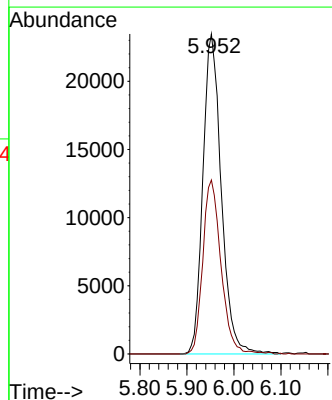
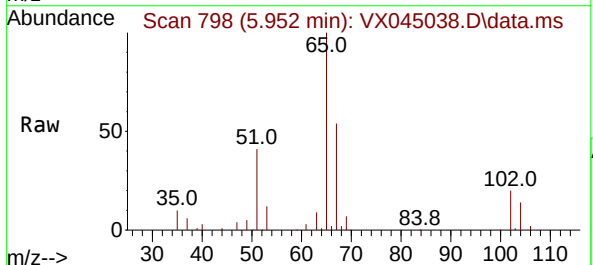


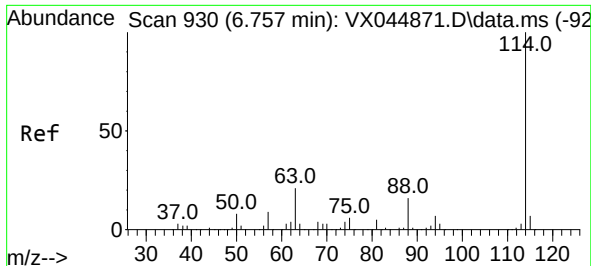
Tgt Ion: 56 Resp: 2004
Ion Ratio Lower Upper
56 100
69 155.5 24.4 36.6#
84 118.7 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 55.741 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 65 Resp: 63724
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.2

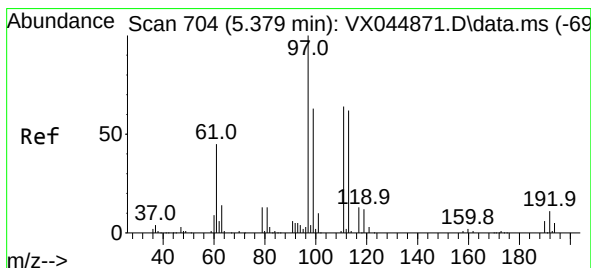
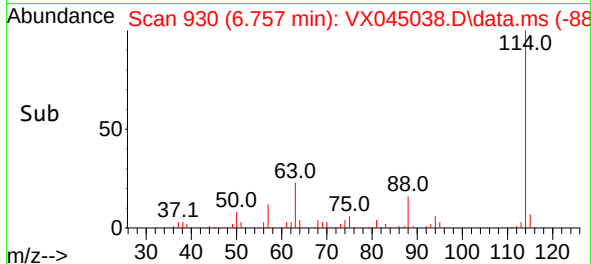
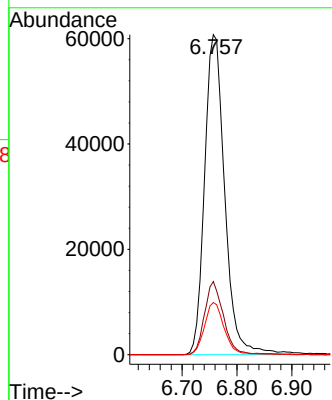
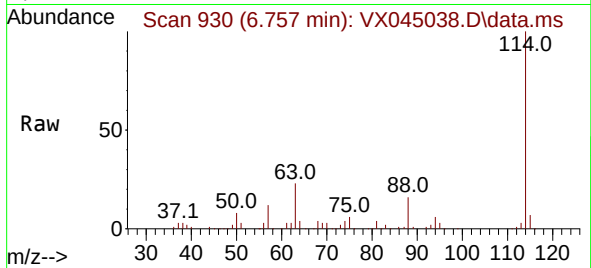




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

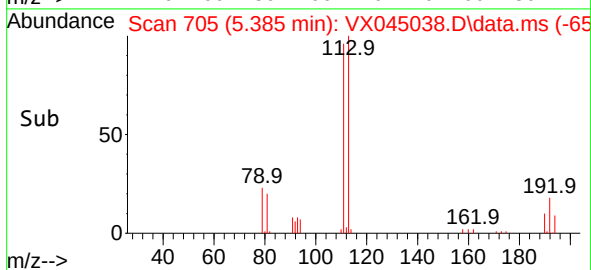
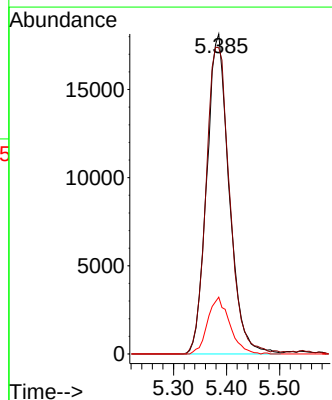
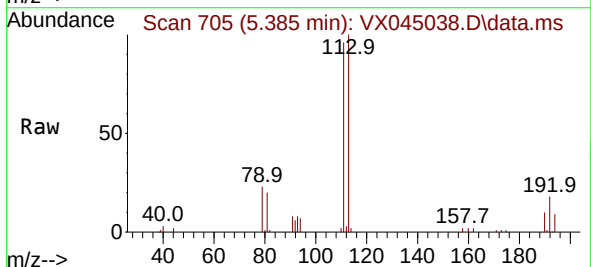
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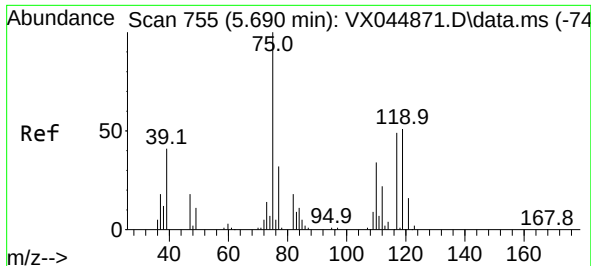
Tgt Ion:114 Resp: 154583
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.4
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.985 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion:113 Resp: 53252
Ion Ratio Lower Upper
113 100
111 100.7 83.5 125.3
192 17.4 14.4 21.6

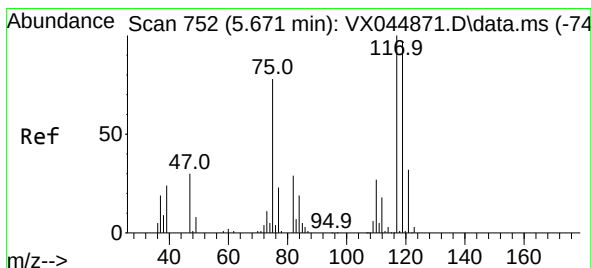
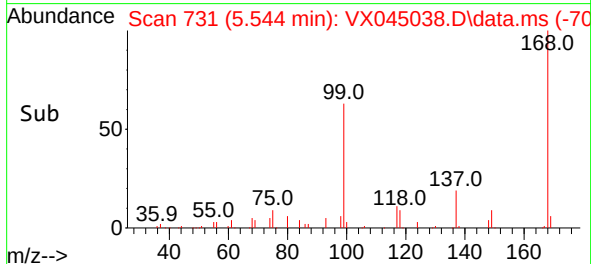
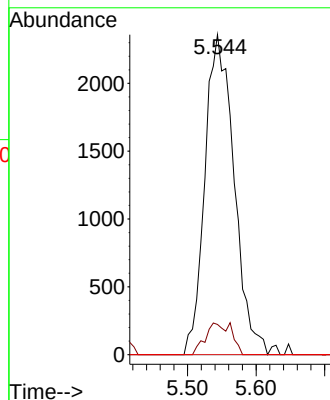
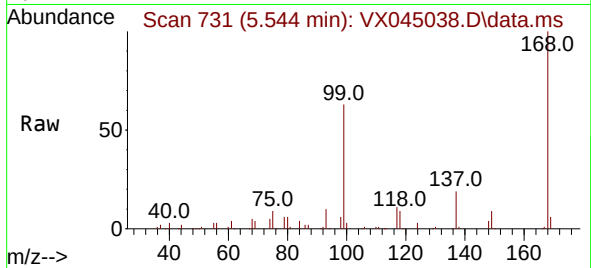




#36
1,1-Dichloropropene
Concen: 4.840 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

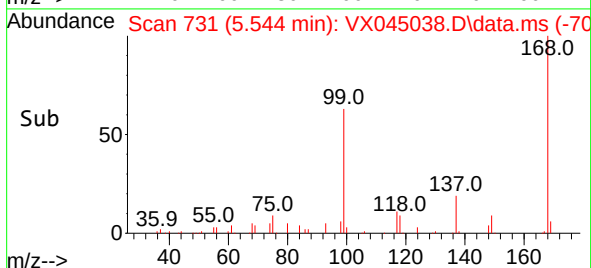
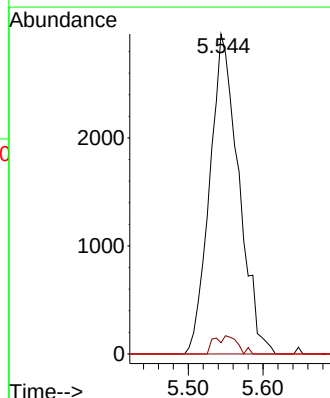
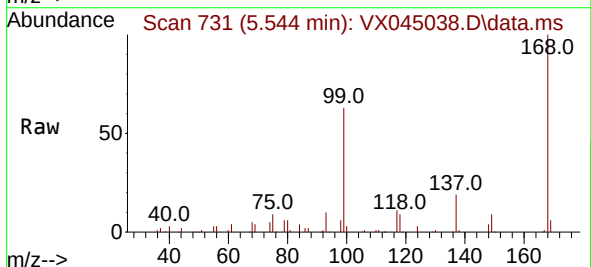
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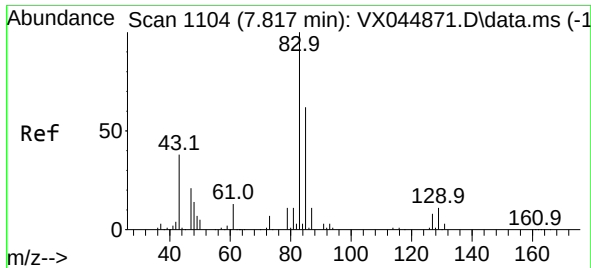
Tgt Ion: 75 Resp: 7018
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.631 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 117 Resp: 8001
Ion Ratio Lower Upper
117 100
119 3.5 77.5 116.3#
121 0.0 25.6 38.4#

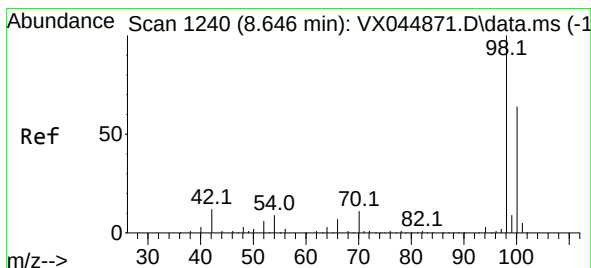
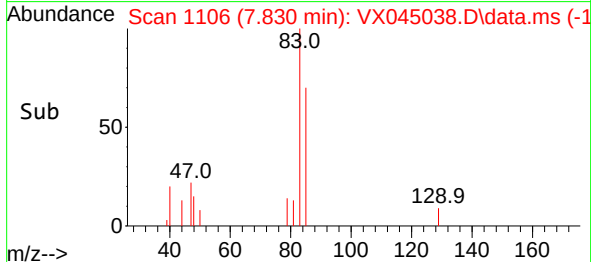
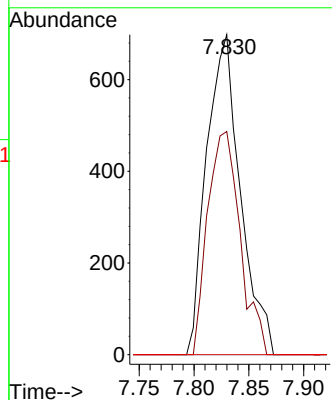
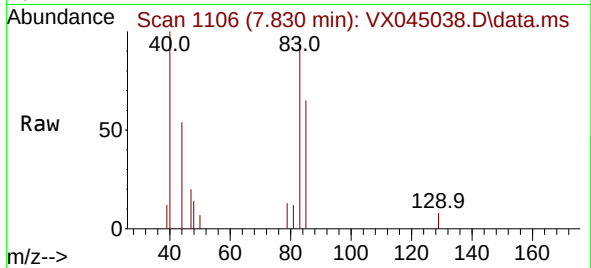




#47
Bromodichloromethane
Concen: 0.991 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.012 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

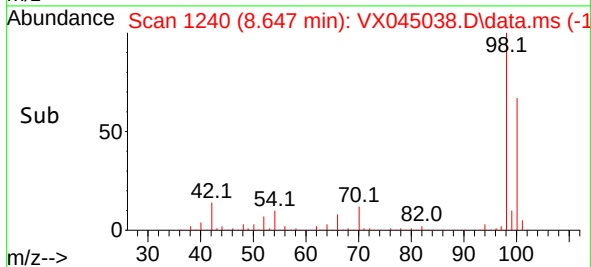
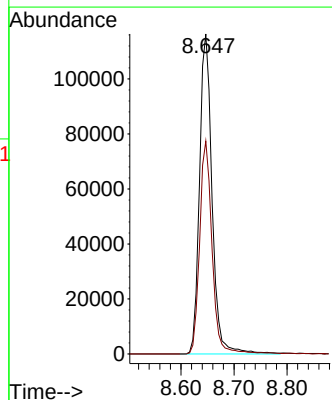
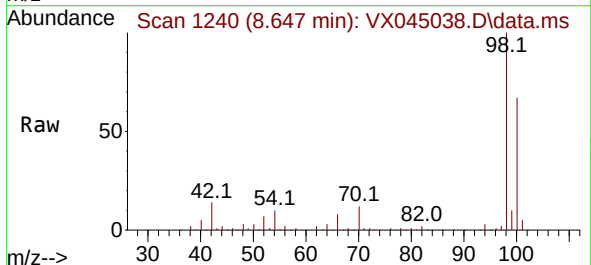
Instrument :
MSVOA_X
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VPB192-HYD-20250221

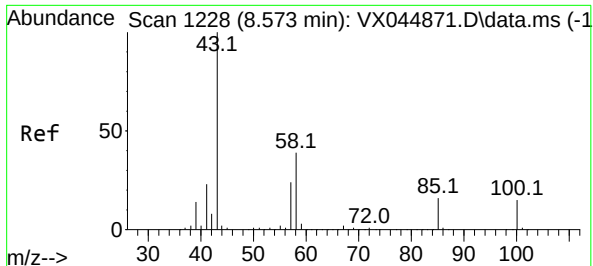
Tgt Ion: 83 Resp: 1499
Ion Ratio Lower Upper
83 100
85 69.8 50.0 75.0
127 0.0 6.4 9.6#



#50
Toluene-d8
Concen: 50.424 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 98 Resp: 191636
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1

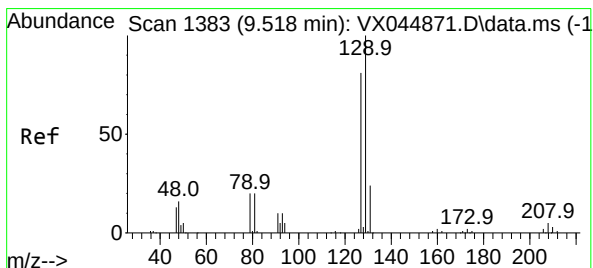
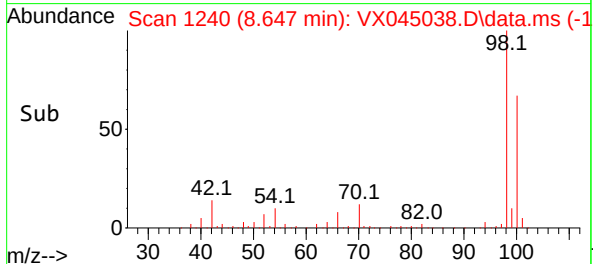
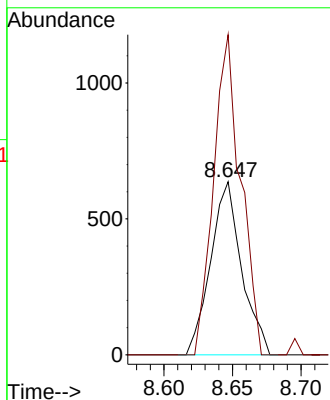
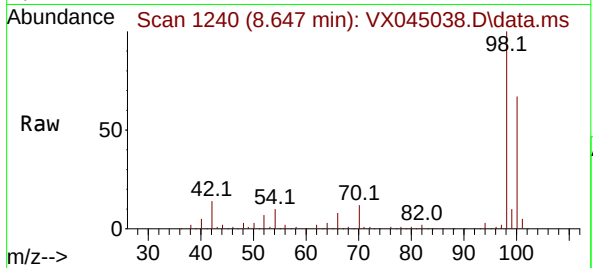




#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

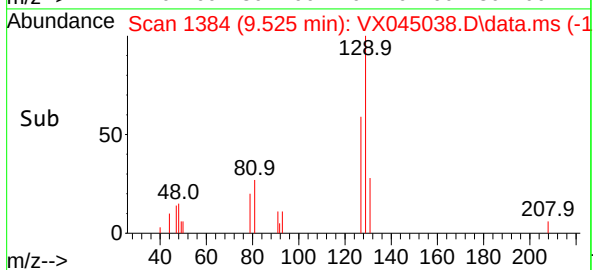
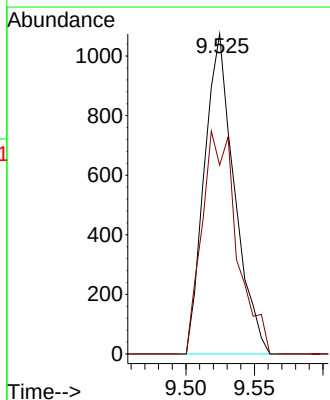
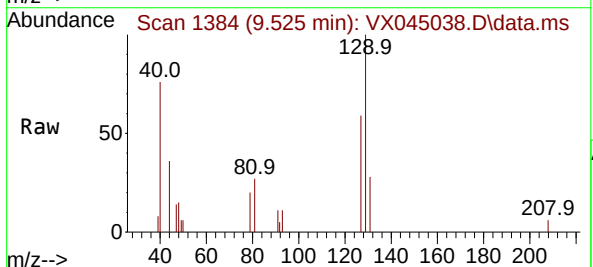
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

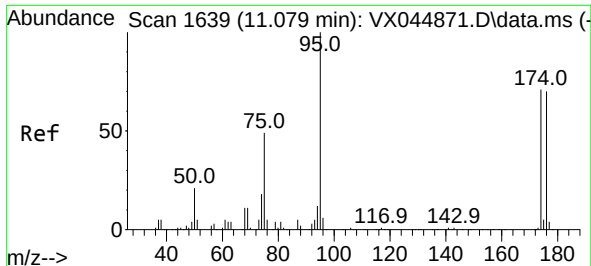
Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
58 161.9 30.8 46.2#



#60
Dibromochloromethane
Concen: 1.475 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 129 Resp: 1635
Ion Ratio Lower Upper
129 100
127 80.8 39.1 117.3

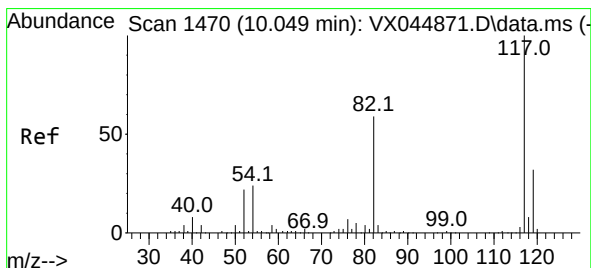
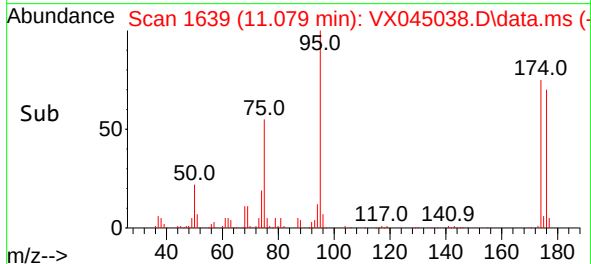
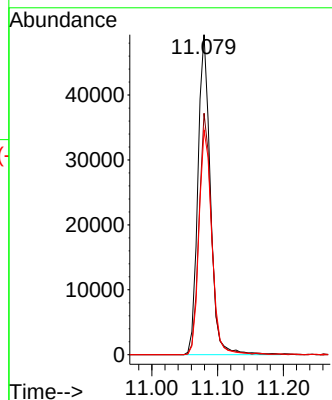
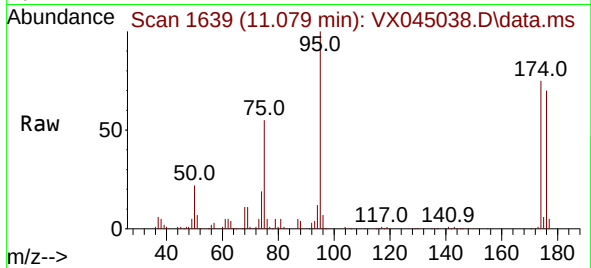




#62
4-Bromofluorobenzene
Concen: 50.658 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

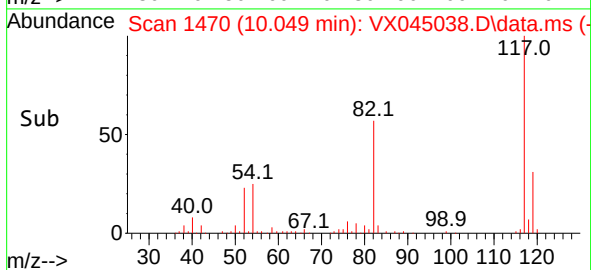
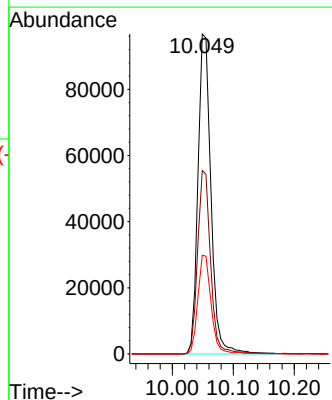
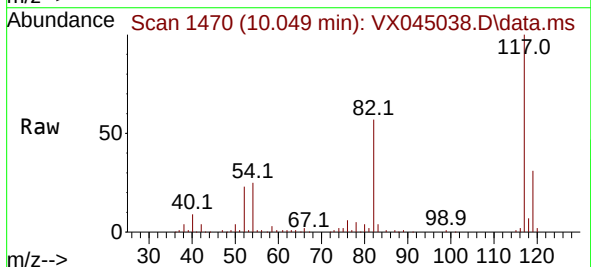
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

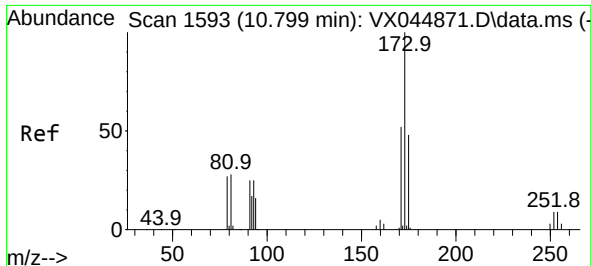
Tgt Ion: 95 Resp: 64904
Ion Ratio Lower Upper
95 100
174 75.9 0.0 142.6
176 72.3 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 117 Resp: 143564
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 30.9 25.4 38.0

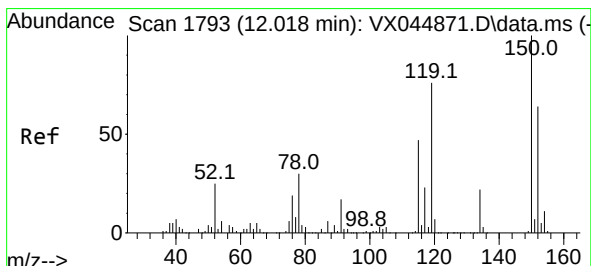
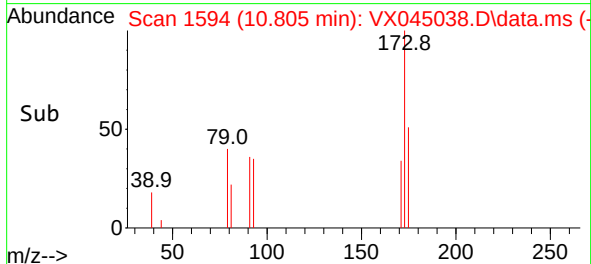
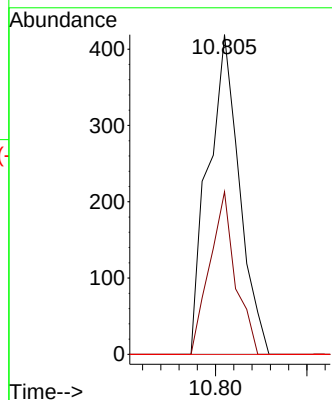
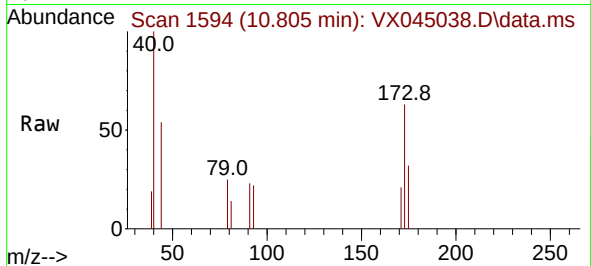




#71
Bromoform
Concen: 0.672 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

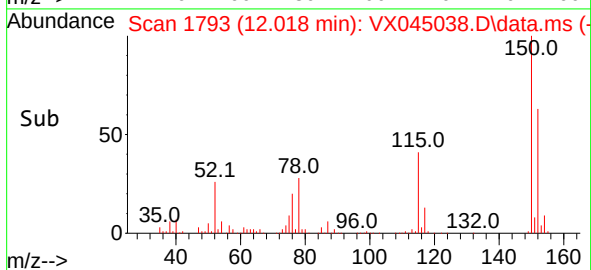
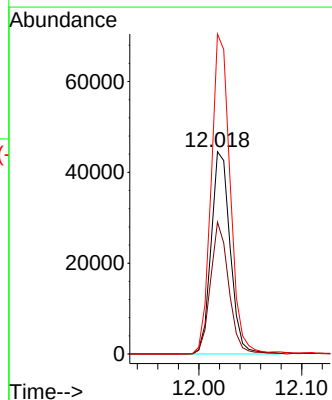
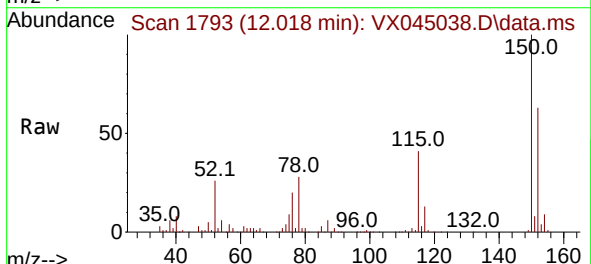
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

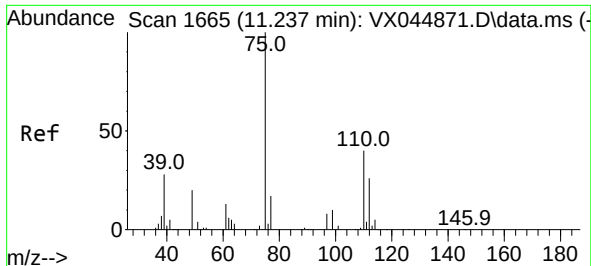
Tgt Ion:173 Resp: 498
Ion Ratio Lower Upper
173 100
175 42.0 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion:152 Resp: 57225
Ion Ratio Lower Upper
152 100
115 62.4 43.4 130.1
150 158.4 0.0 350.4

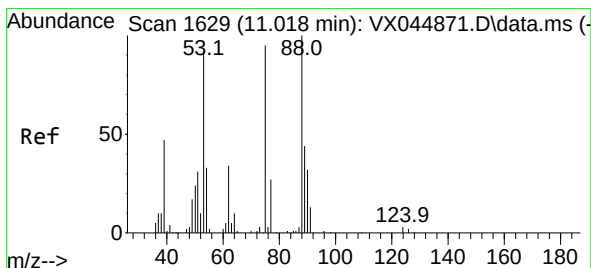
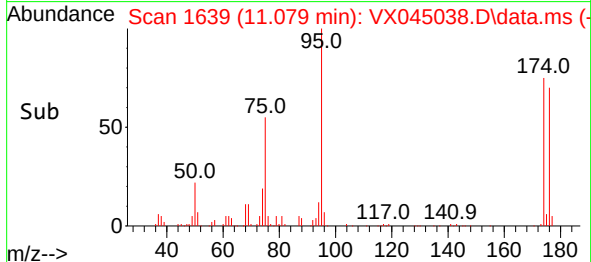
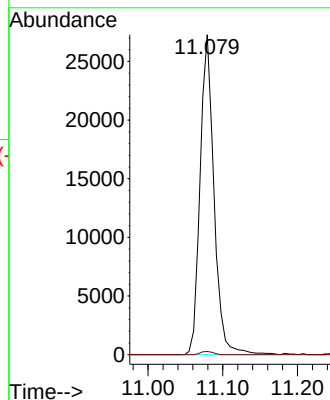
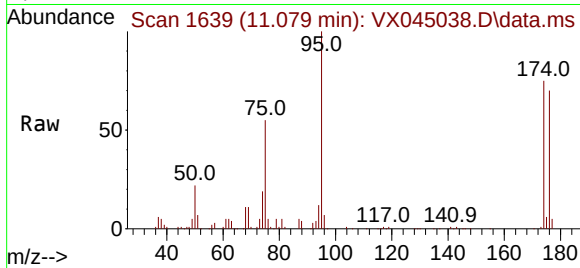




#76
1,2,3-Trichloropropane
Concen: 27.845 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Tgt Ion: 75 Resp: 35329
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 75 Resp: 35329
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

