

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044876.D
 Acq On : 10 Feb 2025 13:43
 Operator : JC/MD
 Sample : VX0210MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210MBL01

Quant Time: Feb 11 06:03:10 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	92218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	165619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	70876	52.504	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.000%
35) Dibromofluoromethane	5.379	113	60865	49.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	8.647	98	230212	49.750	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.500%
62) 4-Bromofluorobenzene	11.079	95	76730	49.186	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.380%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	124	0.272	ug/l #	47
6) Chloroethane	1.660	64	189	1.597	ug/l #	42
10) Methyl Iodide	2.447	142	318	0.211	ug/l #	88
11) Tert butyl alcohol	2.940	59	1143	4.564	ug/l #	73
13) Acrolein	2.233	56	376	1.455	ug/l	90
14) Allyl chloride	2.648	41	493	0.230	ug/l #	57
15) Acrylonitrile	3.074	53	632	0.945	ug/l	99
16) Acetone	2.386	43	762	1.404	ug/l #	79
17) Carbon Disulfide	2.501	76	3093	0.949	ug/l	98
18) Methyl Acetate	2.696	43	470	0.274	ug/l #	74
20) Methylene Chloride	2.776	84	357	0.269	ug/l #	56
21) trans-1,2-Dichloroethene	3.087	96	347	0.297	ug/l #	80
29) Tetrahydrofuran	5.019	42	128	0.219	ug/l #	33
31) Cyclohexane	5.544	56	2327	1.110	ug/l #	15
36) 1,1-Dichloropropene	5.537	75	8064	4.568	ug/l #	46
38) Carbon Tetrachloride	5.544	117	9659	5.583	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	389	0.202	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	39444	26.879	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	39444	69.144	ug/l #	11
87) 1,3-Dichlorobenzene	11.975	146	507	0.228	ug/l	80
88) 1,4-Dichlorobenzene	11.975	146	507	0.226	ug/l	78
89) n-Butylbenzene	12.335	91	804	0.209	ug/l #	76
91) 1,2-Dichlorobenzene	12.341	146	437	0.200	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	616	0.466	ug/l	93
94) Hexachlorobutadiene	13.719	225	123	0.234	ug/l #	58
95) Naphthalene	13.780	128	3826	0.801	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	782	0.587	ug/l	95

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

Quant Time: Feb 11 06:03:10 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

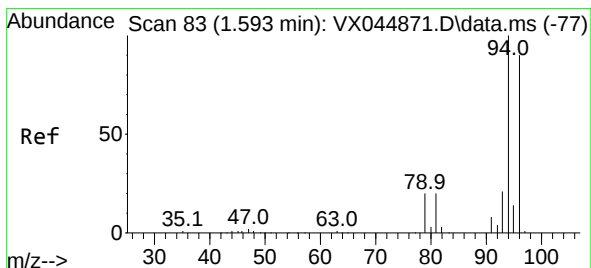
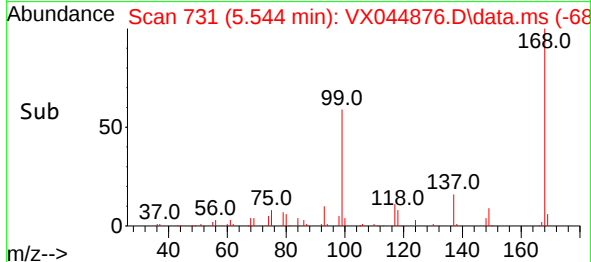
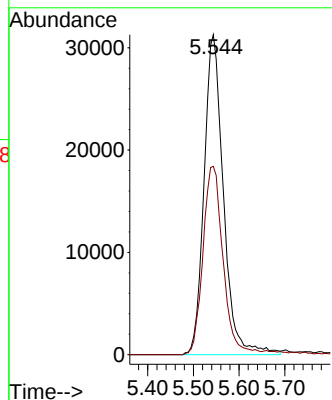
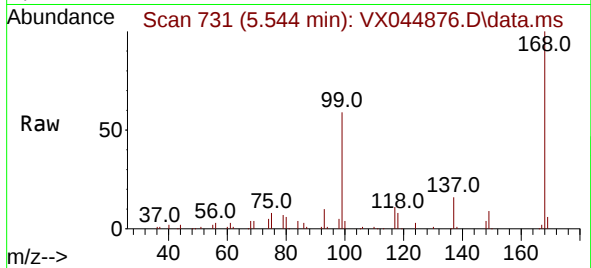




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

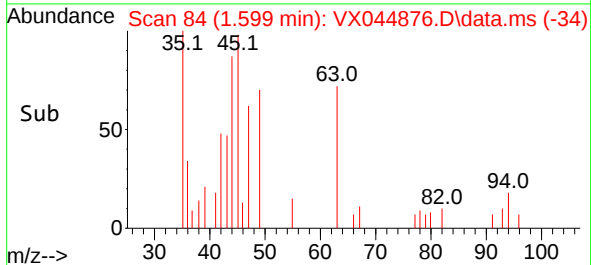
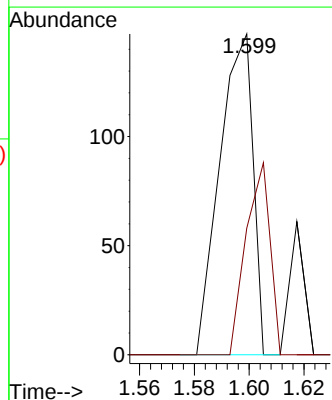
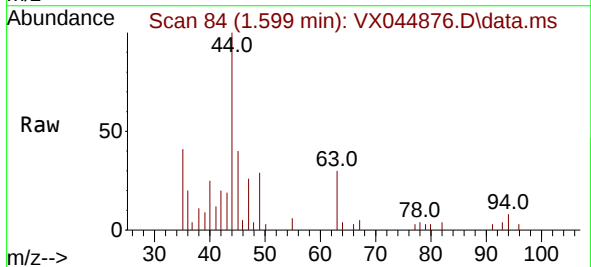
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

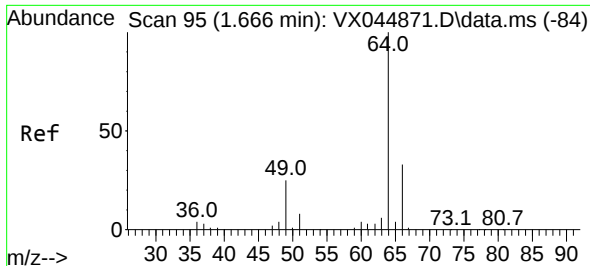
Tgt Ion:168 Resp: 92218
Ion Ratio Lower Upper
168 100
99 58.9 51.2 76.8



#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 39.5 71.6 107.4#

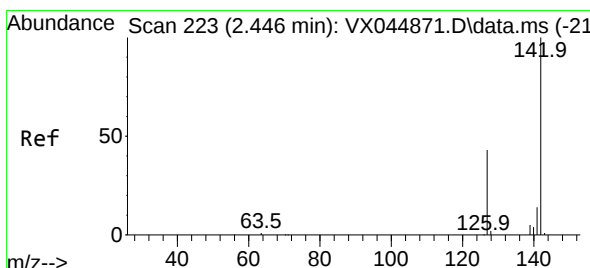
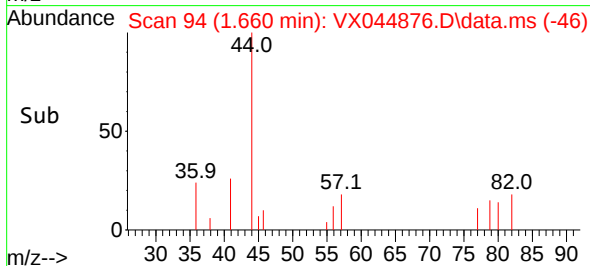
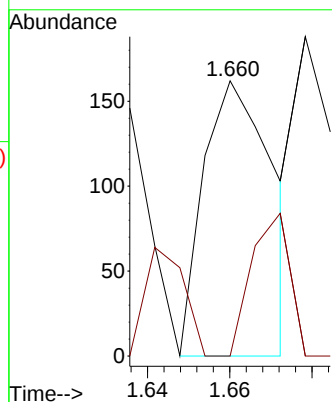
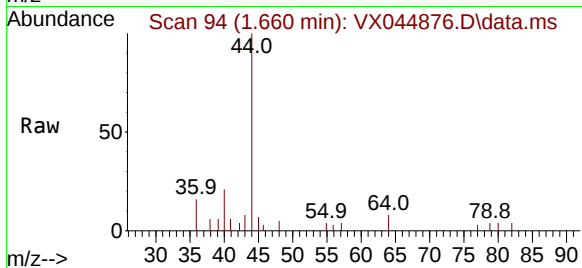




#6
Chloroethane
Concen: 1.597 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

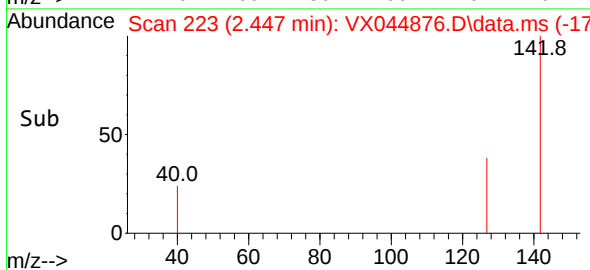
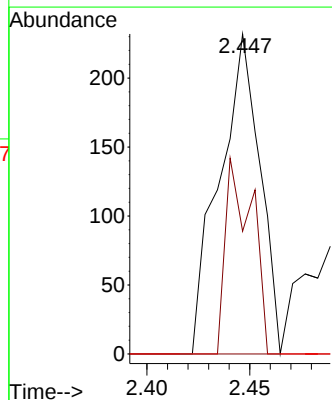
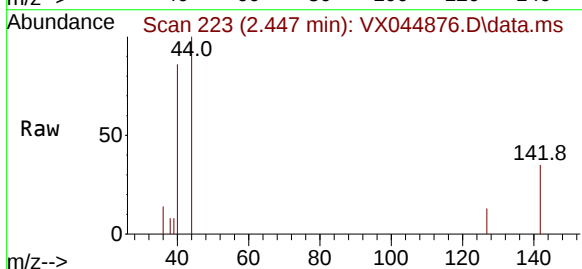
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

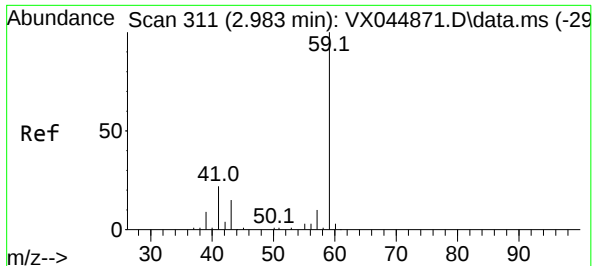
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 142 Resp: 318
Ion Ratio Lower Upper
142 100
127 40.3 34.3 51.5
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 4.564 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX044876.D

Acq: 10 Feb 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

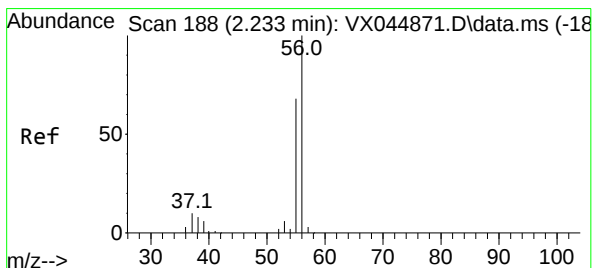
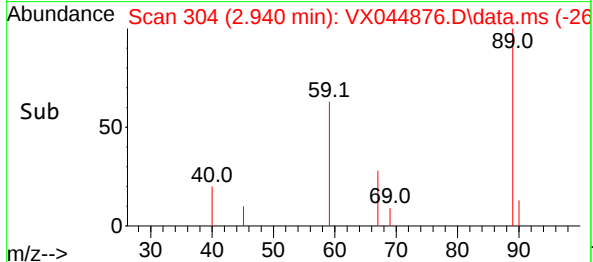
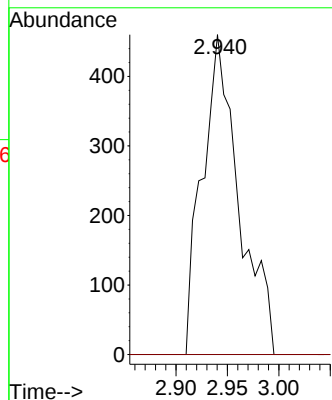
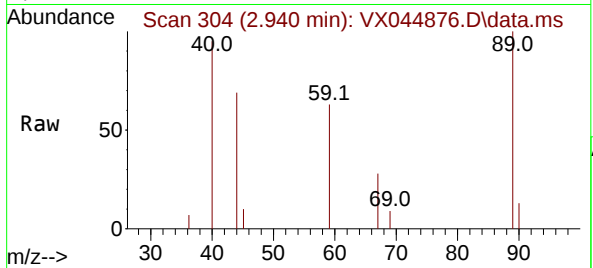
VX0210MBL01

Tgt Ion: 59 Resp: 1143

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 1.455 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044876.D

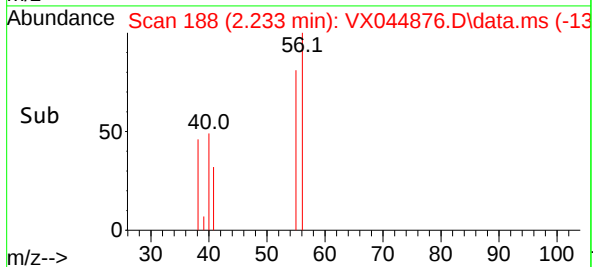
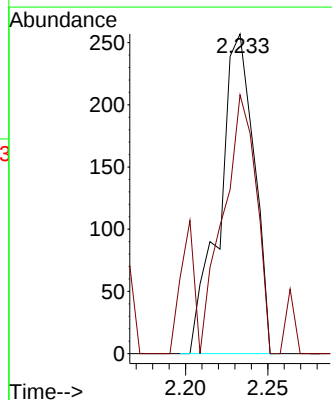
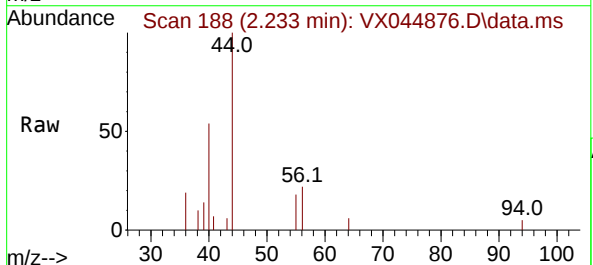
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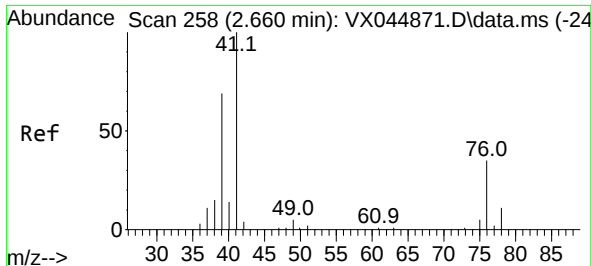
Tgt Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 77.4 55.7 83.5

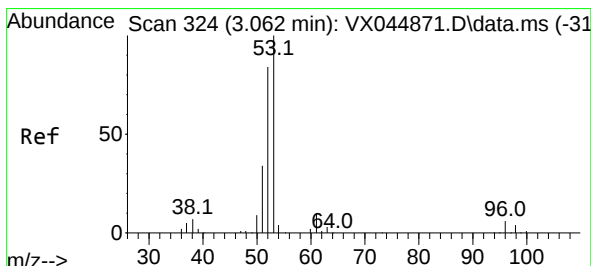
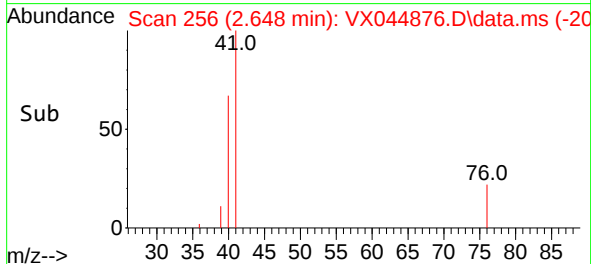
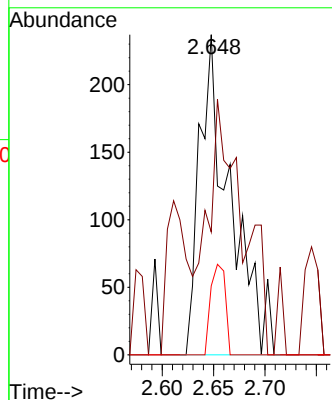
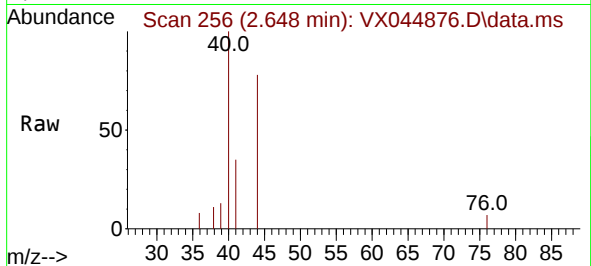




#14
 Allyl chloride
 Concen: 0.230 ug/l
 RT: 2.648 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VX044876.D
 Acq: 10 Feb 2025 13:43

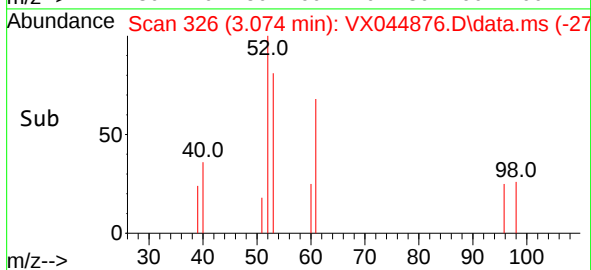
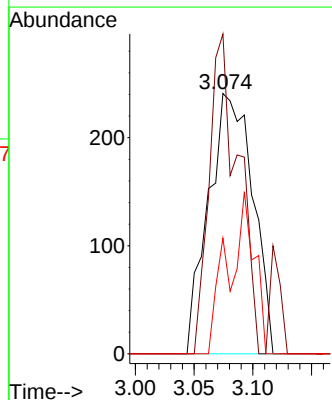
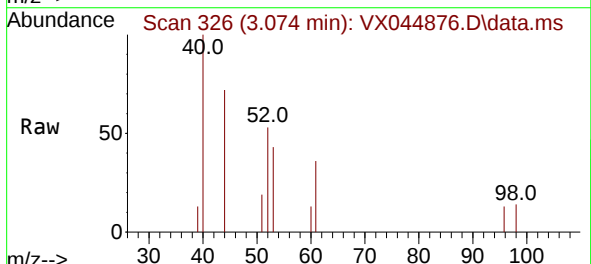
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210MBL01

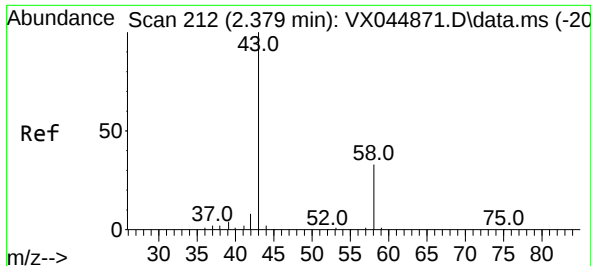
Tgt Ion: 41 Resp: 493
 Ion Ratio Lower Upper
 41 100
 39 90.9 51.4 77.2#
 76 0.0 27.0 40.4#



#15
 Acrylonitrile
 Concen: 0.945 ug/l
 RT: 3.074 min Scan# 326
 Delta R.T. 0.012 min
 Lab File: VX044876.D
 Acq: 10 Feb 2025 13:43

Tgt Ion: 53 Resp: 632
 Ion Ratio Lower Upper
 53 100
 52 81.2 65.0 97.6
 51 36.7 28.0 42.0

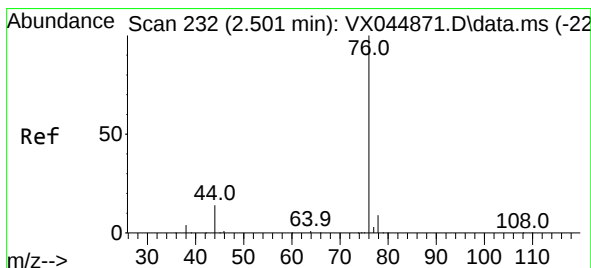
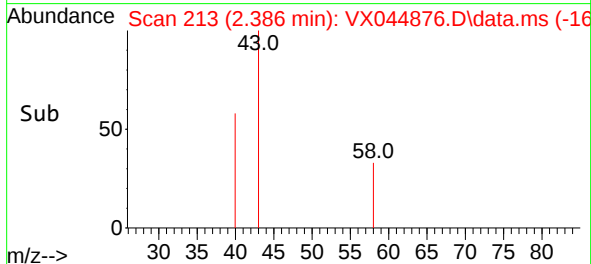
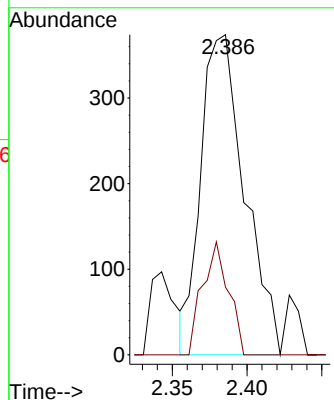
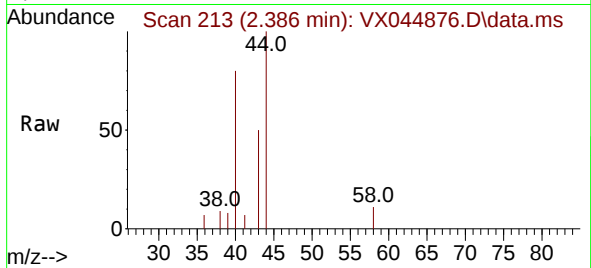




#16
Acetone
Concen: 1.404 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

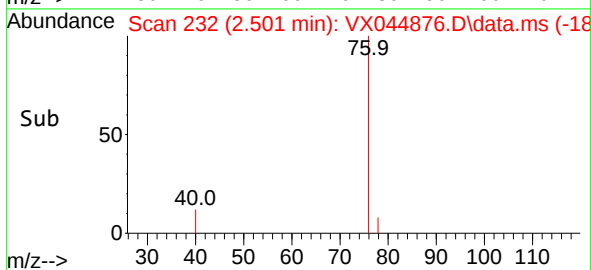
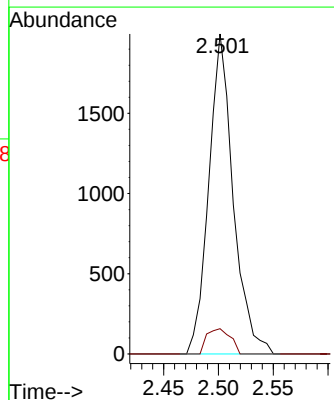
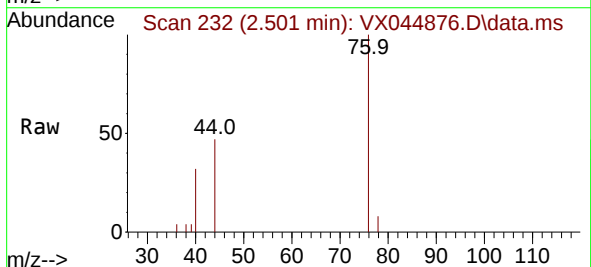
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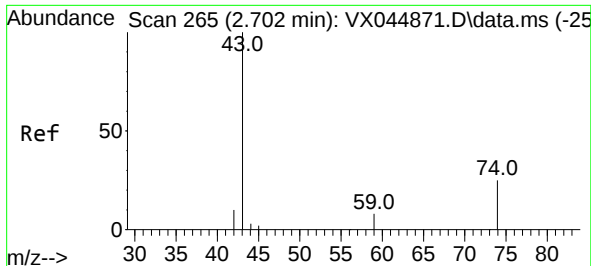
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 21.1 26.5 39.7#



#17
Carbon Disulfide
Concen: 0.949 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 76 Resp: 3093
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.4

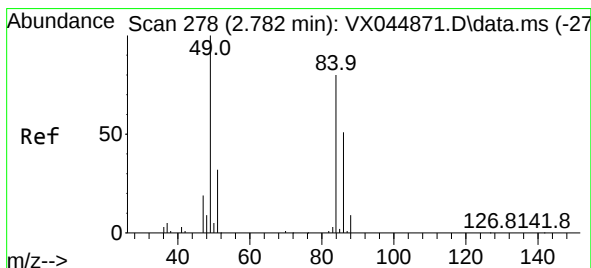
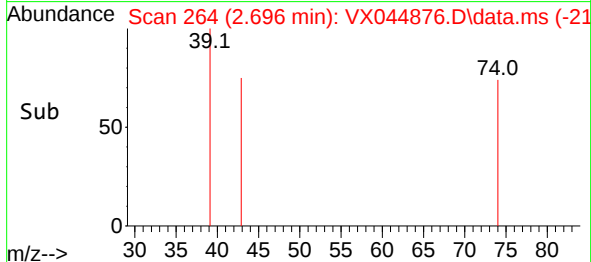
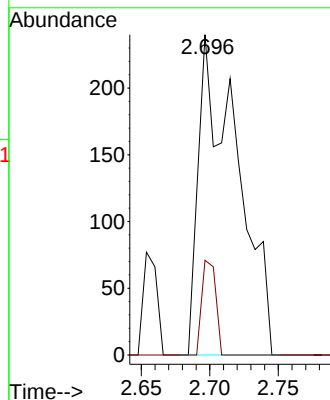
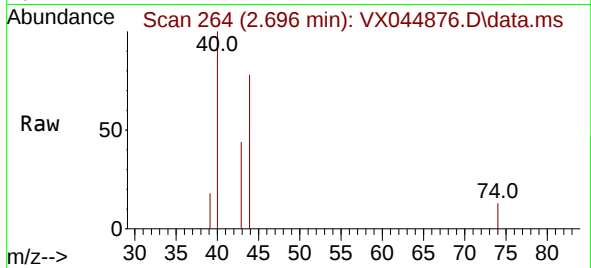




#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 2.696 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

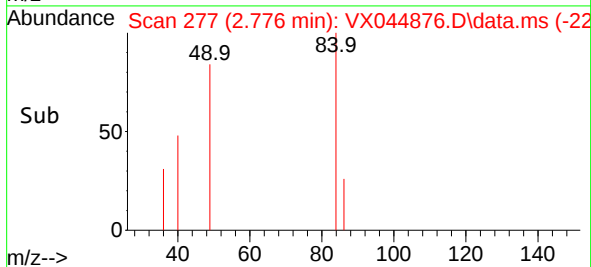
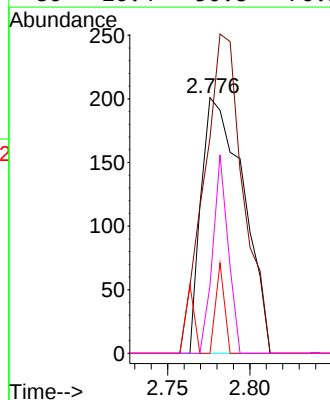
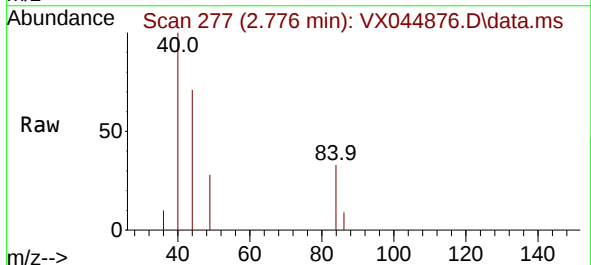
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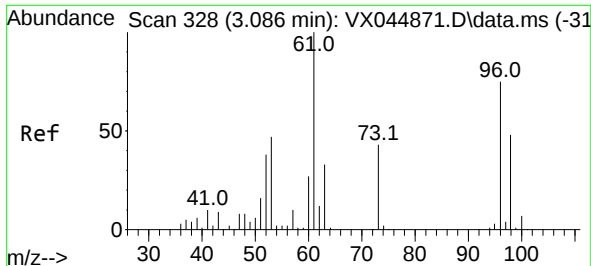
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
74 10.6 18.9 28.3#



#20
Methylene Chloride
Concen: 0.269 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 84 Resp: 357
Ion Ratio Lower Upper
84 100
49 84.1 100.1 150.1#
51 0.0 31.7 47.5#
86 26.4 50.8 76.2#

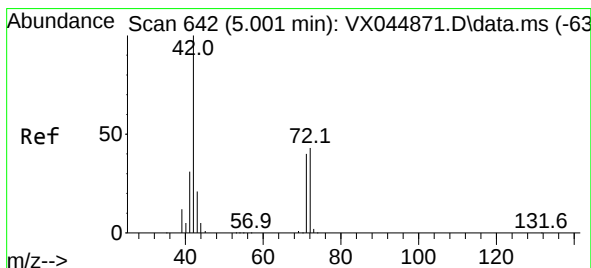
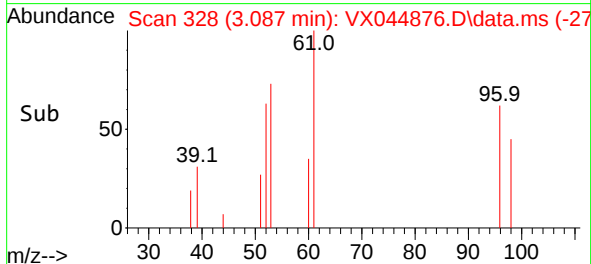
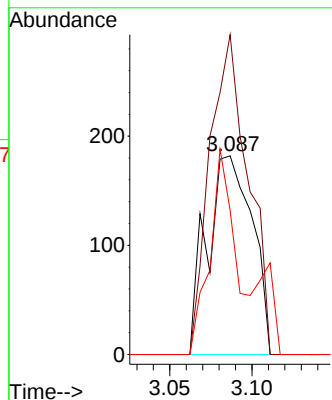
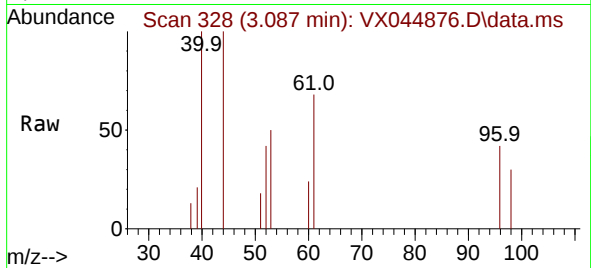




#21
trans-1,2-Dichloroethene
Concen: 0.297 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

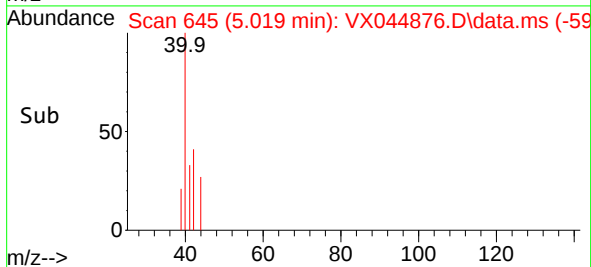
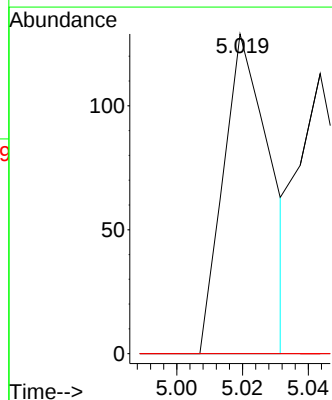
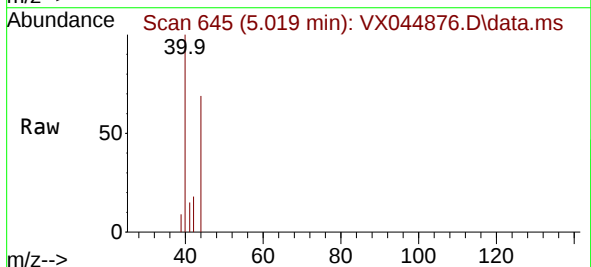
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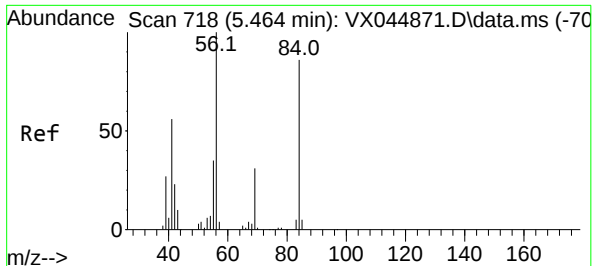
Tgt Ion: 96 Resp: 347
Ion Ratio Lower Upper
96 100
61 161.0 106.0 159.0#
98 72.5 50.6 76.0



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

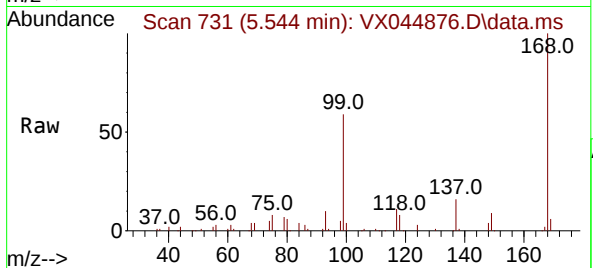
Tgt Ion: 42 Resp: 128
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.6 48.8#



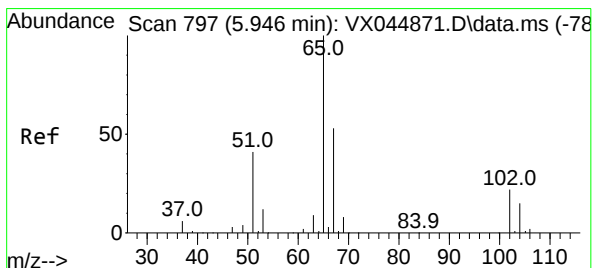
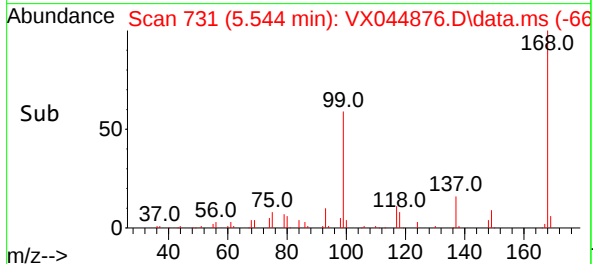
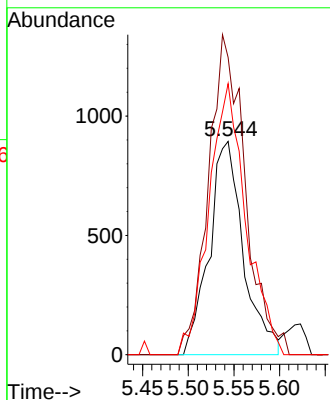


#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

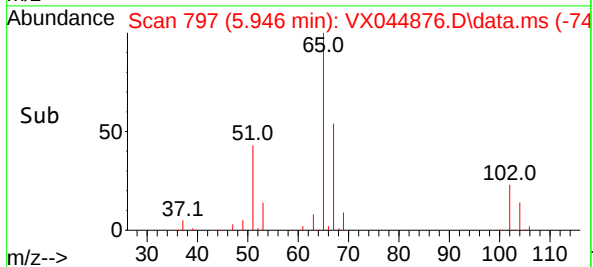
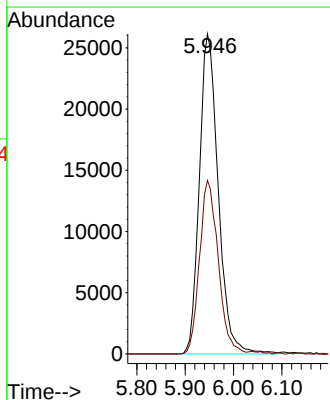
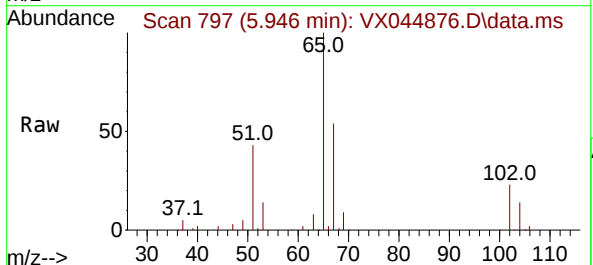


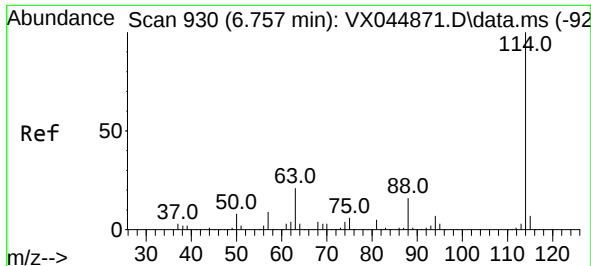
Tgt Ion: 56 Resp: 2327
Ion Ratio Lower Upper
56 100
69 139.4 24.4 36.6#
84 127.1 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 52.504 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 65 Resp: 70876
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.2

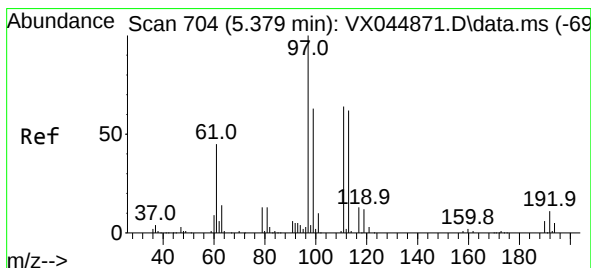
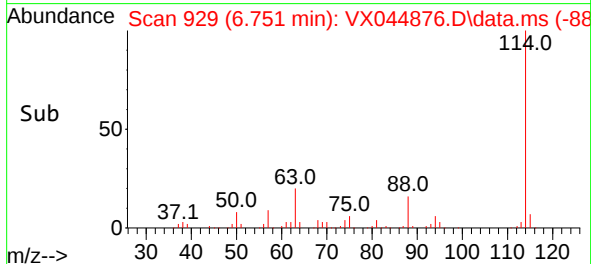
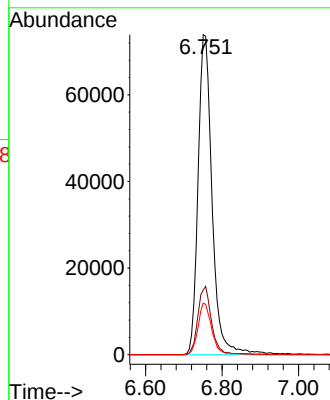
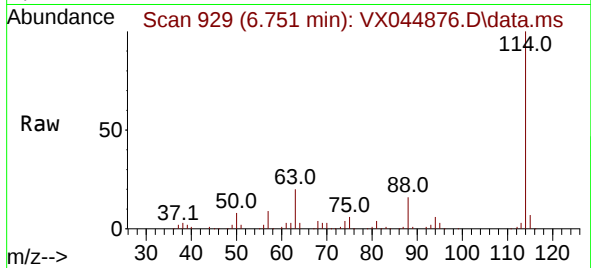




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

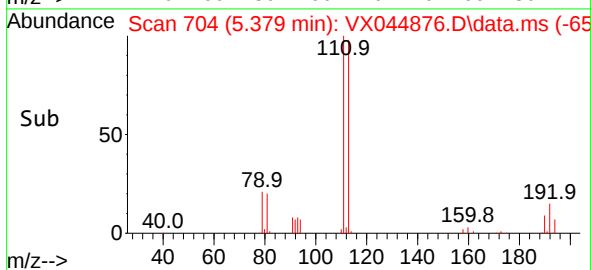
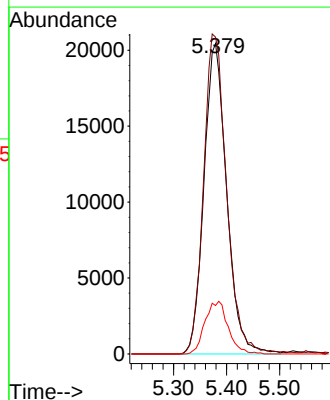
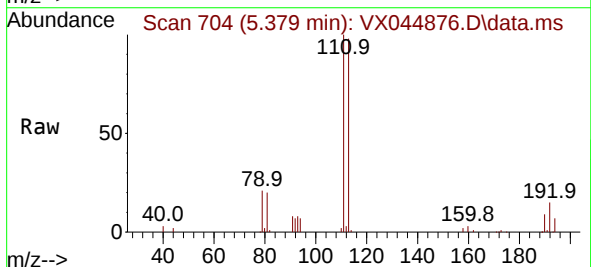
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

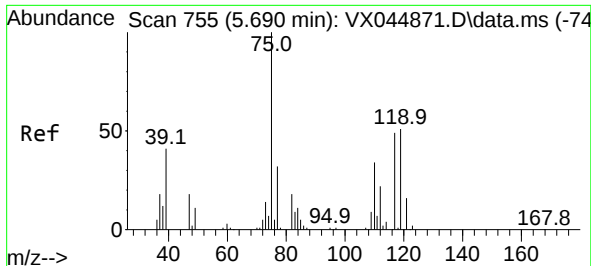
Tgt Ion:114 Resp: 188218
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.737 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion:113 Resp: 60865
Ion Ratio Lower Upper
113 100
111 104.5 83.5 125.3
192 17.3 14.4 21.6

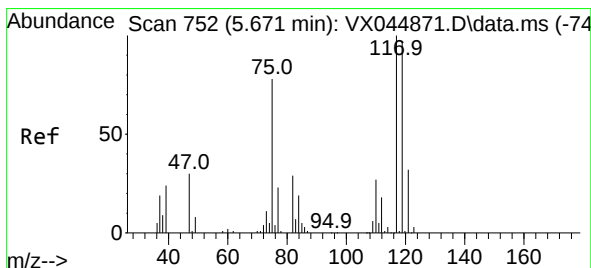
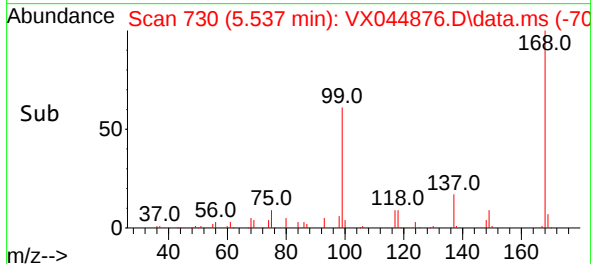
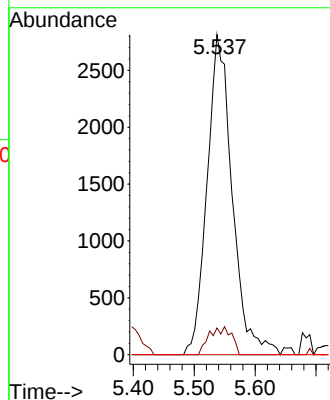
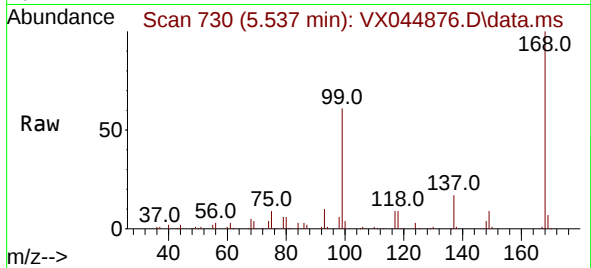




#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

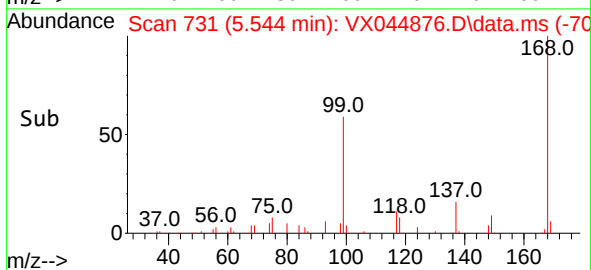
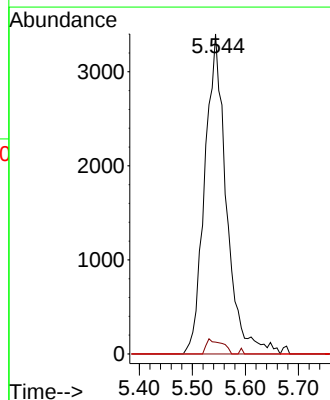
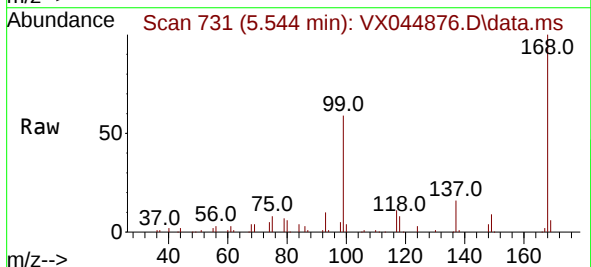
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

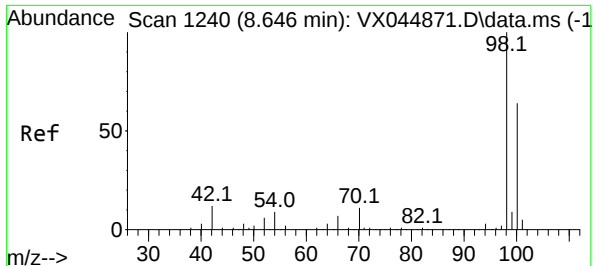
Tgt Ion: 75 Resp: 8064
Ion Ratio Lower Upper
75 100
110 4.5 17.2 51.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 117 Resp: 9659
Ion Ratio Lower Upper
117 100
119 3.7 77.5 116.3#
121 0.0 25.6 38.4#

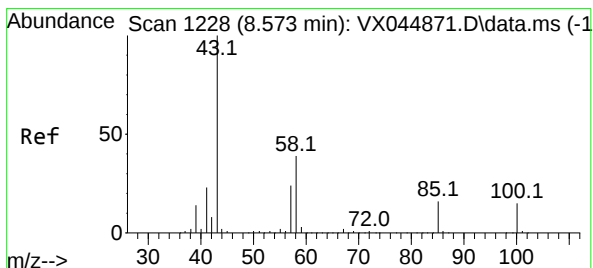
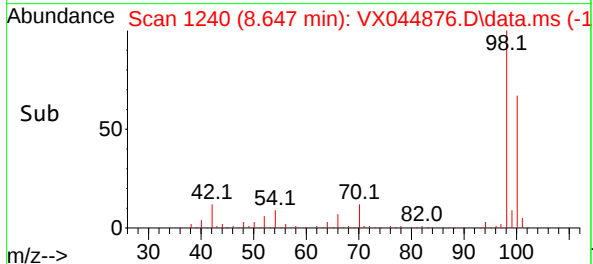
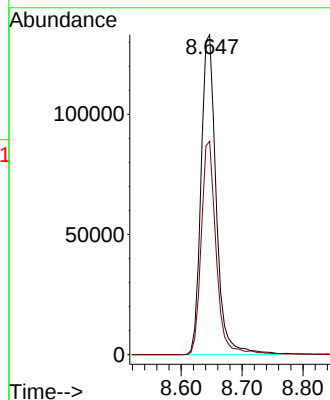
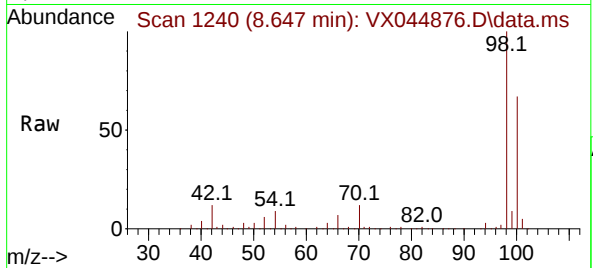




#50
Toluene-d8
Concen: 49.750 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

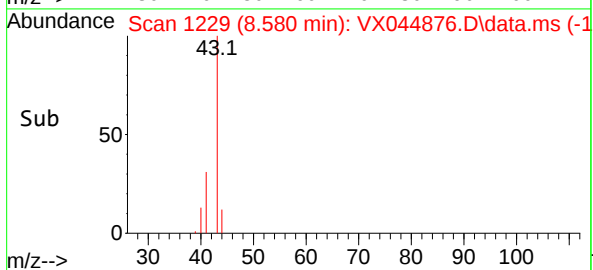
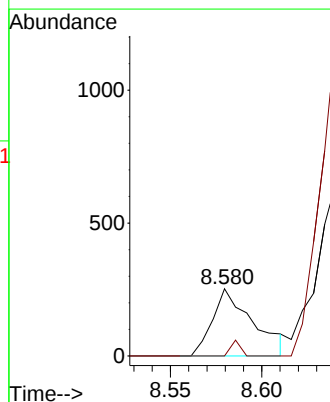
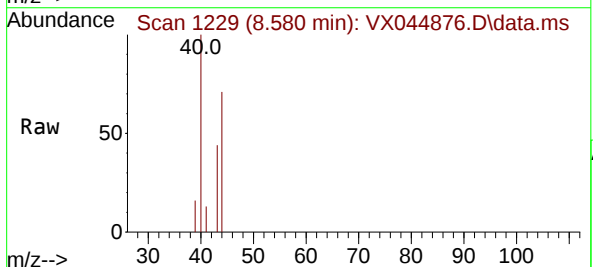
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

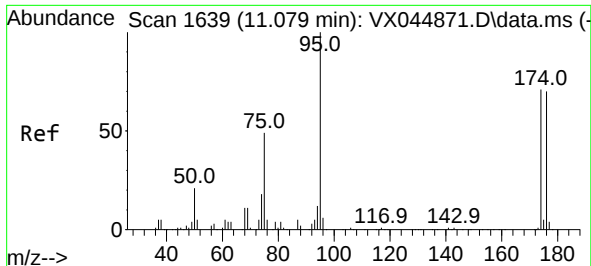
Tgt Ion: 98 Resp: 230212
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.202 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#

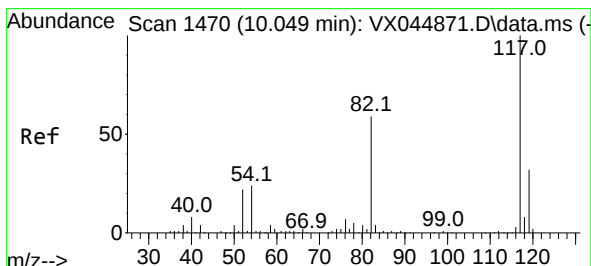
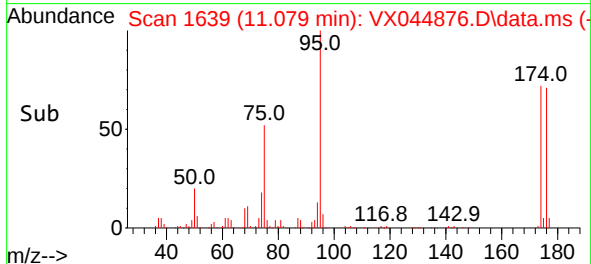
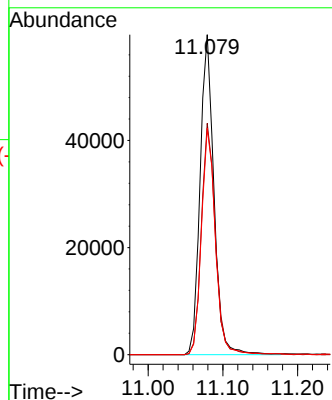
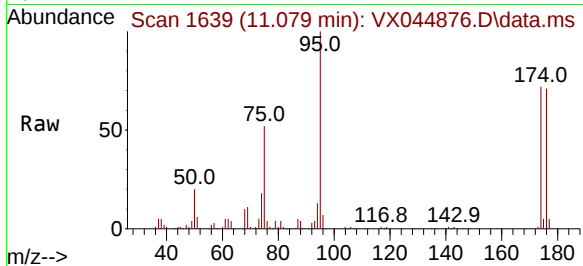




#62
4-Bromofluorobenzene
Concen: 49.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

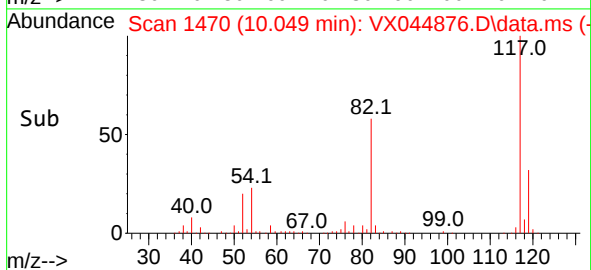
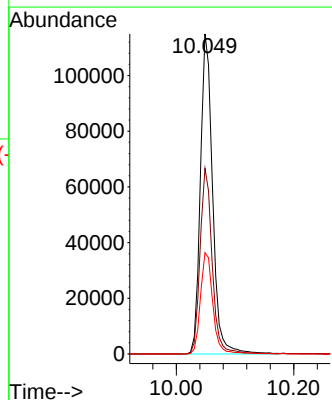
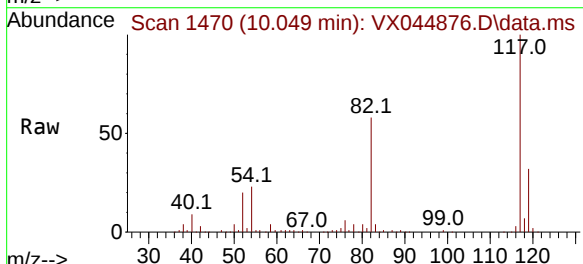
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

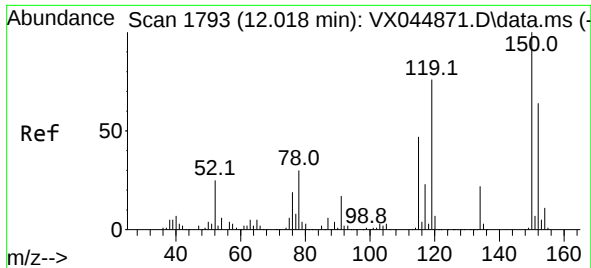
Tgt Ion: 95 Resp: 76730
Ion Ratio Lower Upper
95 100
174 73.4 0.0 142.6
176 71.2 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 117 Resp: 165619
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 31.7 25.4 38.0

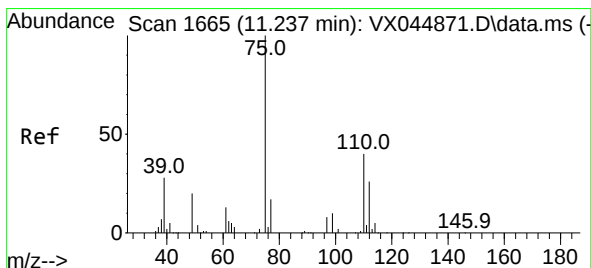
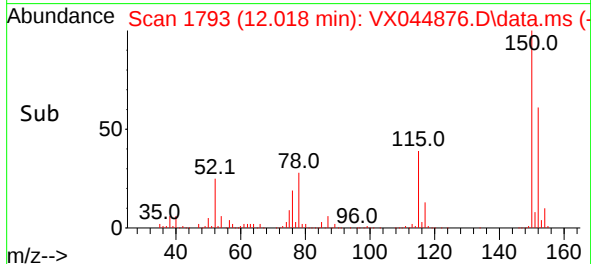
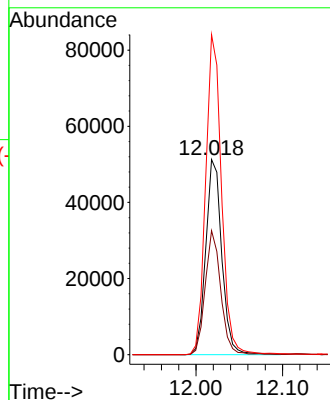
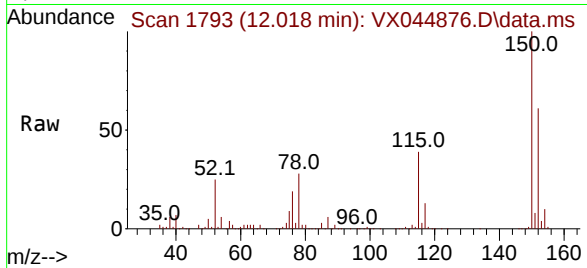




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044876.D
 Acq: 10 Feb 2025 13:43

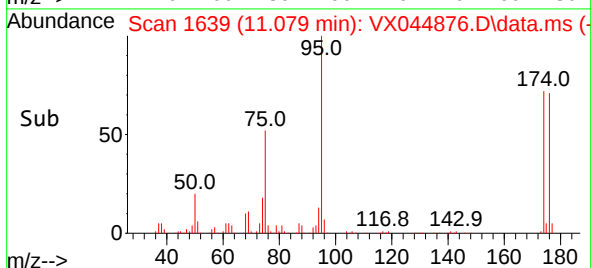
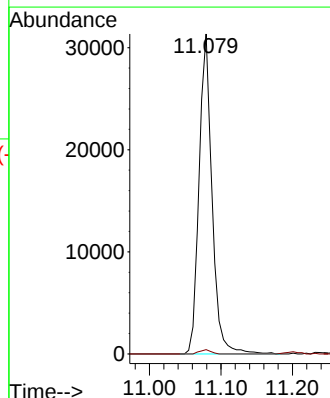
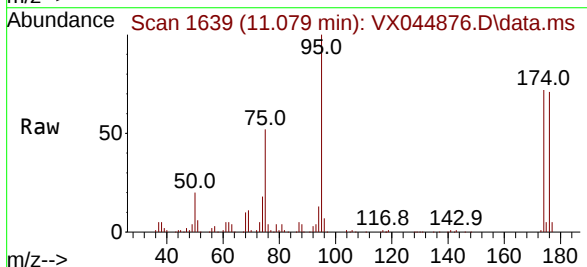
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210MBL01

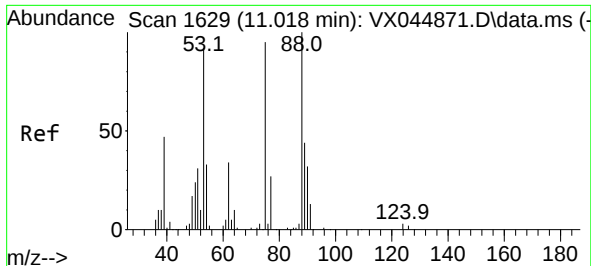
Tgt Ion:152 Resp: 66186
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.4 130.1
 150 161.7 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 26.879 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX044876.D
 Acq: 10 Feb 2025 13:43

Tgt Ion: 75 Resp: 39444
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#

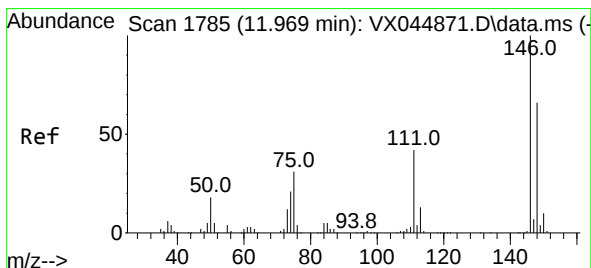
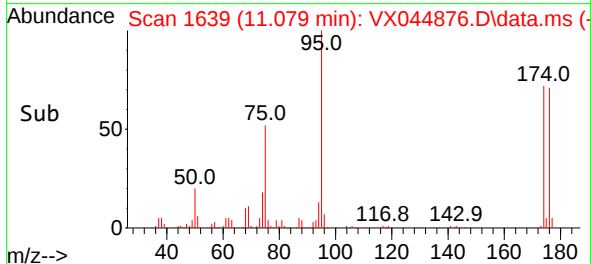
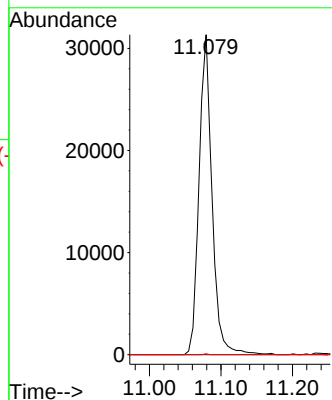
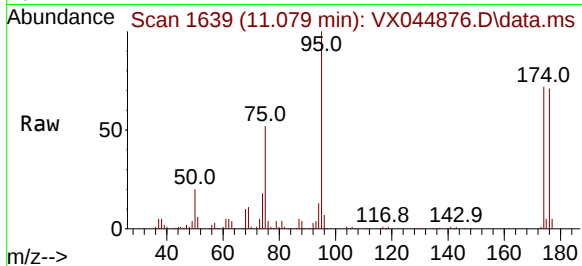




#81
trans-1,4-Dichloro-2-butene
Concen: 69.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

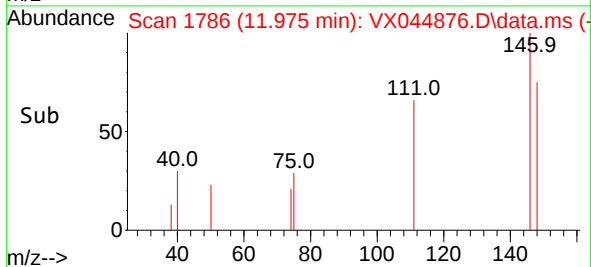
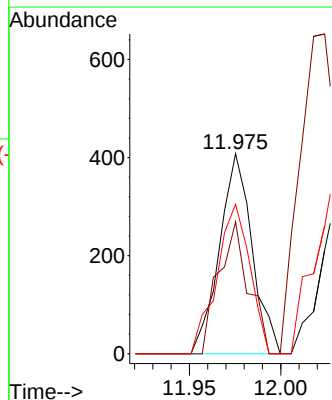
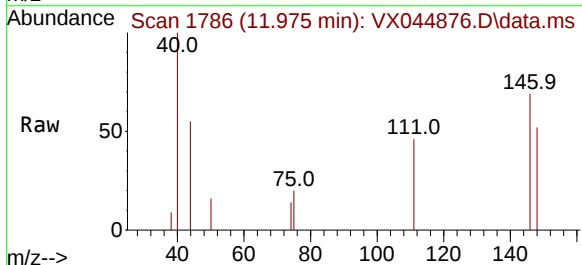
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

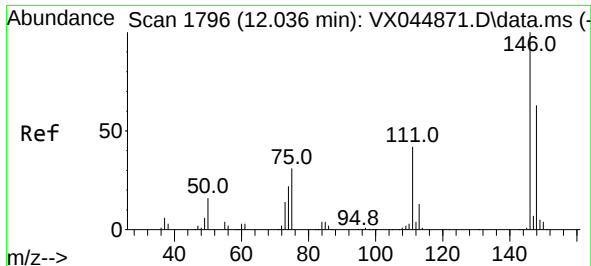
Tgt Ion: 75 Resp: 39444
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 36.6 54.8#



#87
1,3-Dichlorobenzene
Concen: 0.228 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion:146 Resp: 507
Ion Ratio Lower Upper
146 100
111 60.7 21.2 63.6
148 75.7 32.5 97.5

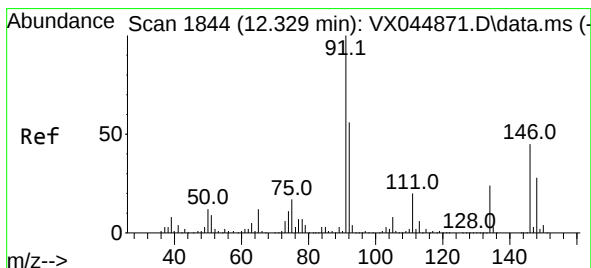
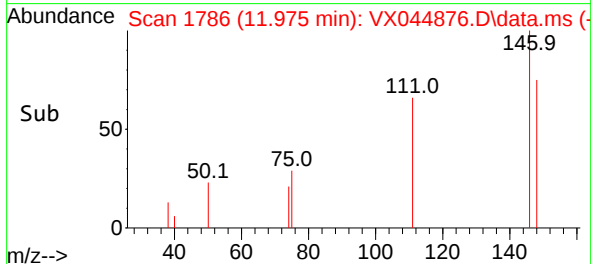
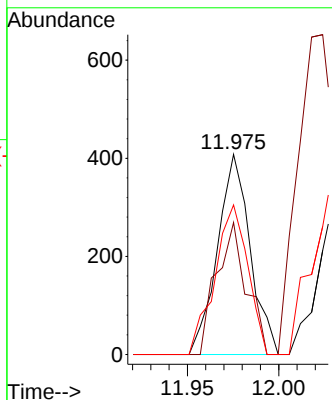
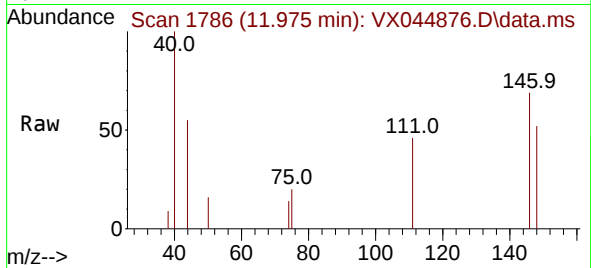




#88
1,4-Dichlorobenzene
Concen: 0.226 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

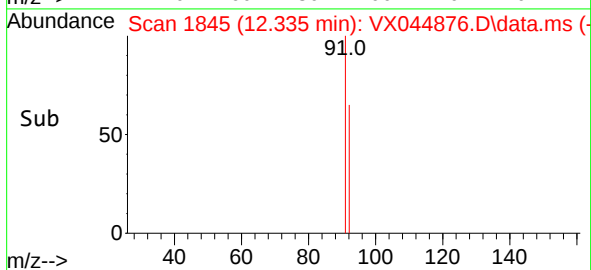
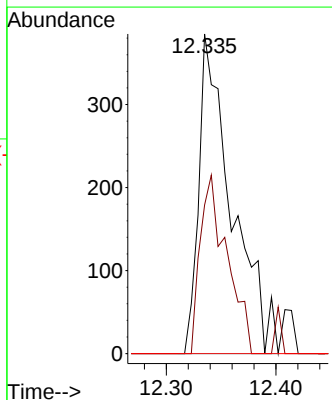
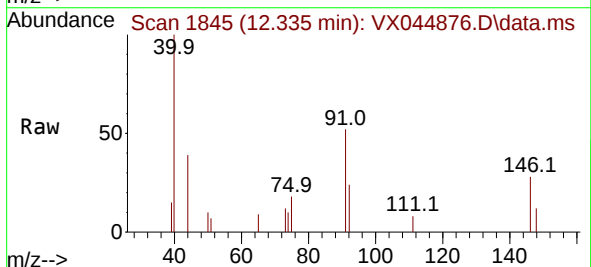
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

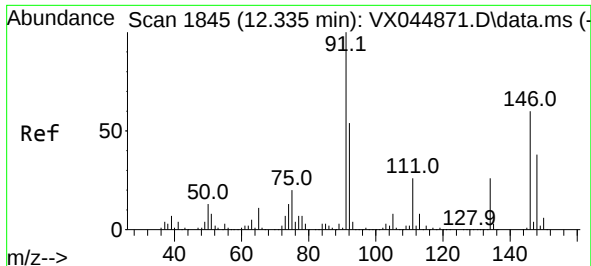
Tgt Ion:146 Resp: 507
Ion Ratio Lower Upper
146 100
111 60.7 20.4 61.3
148 75.7 32.0 96.0



#89
n-Butylbenzene
Concen: 0.209 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

Tgt Ion: 91 Resp: 804
Ion Ratio Lower Upper
91 100
92 45.4 27.2 81.6
134 0.0 12.1 36.3#

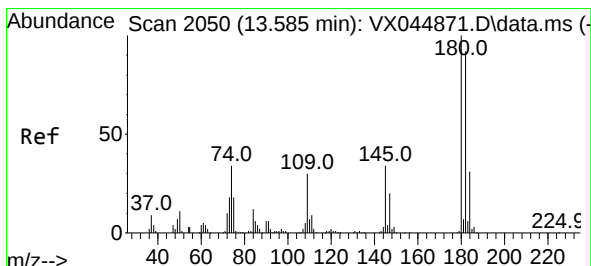
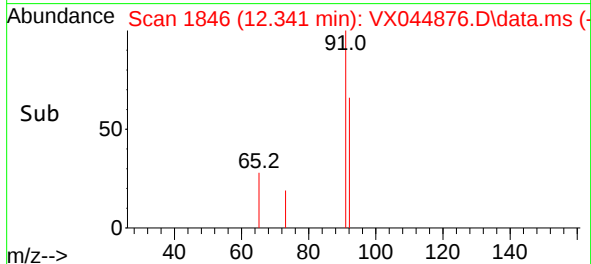
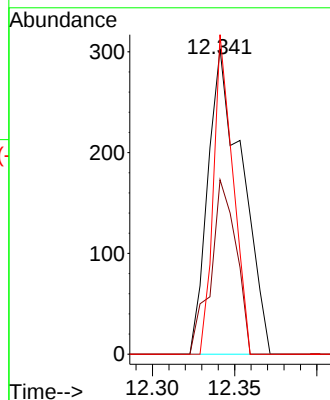
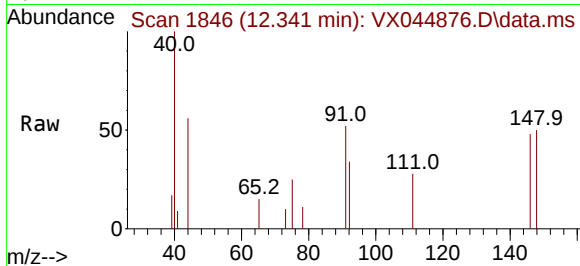




#91
1,2-Dichlorobenzene
Concen: 0.200 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

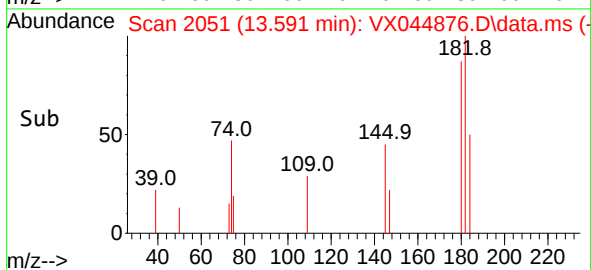
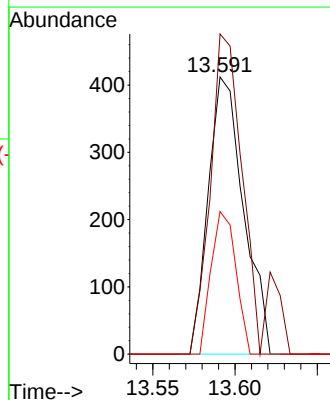
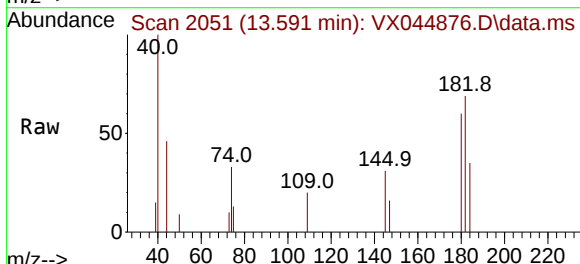
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01

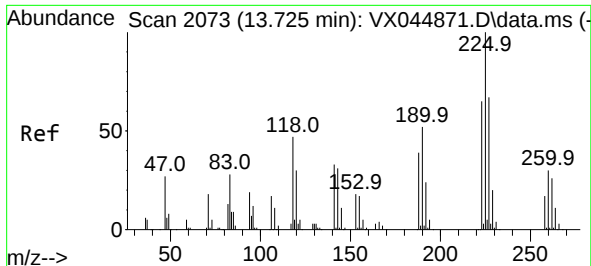
Tgt Ion:146 Resp: 437
Ion Ratio Lower Upper
146 100
111 42.3 21.8 65.4
148 60.0 31.9 95.9



#93
1,2,4-Trichlorobenzene
Concen: 0.466 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

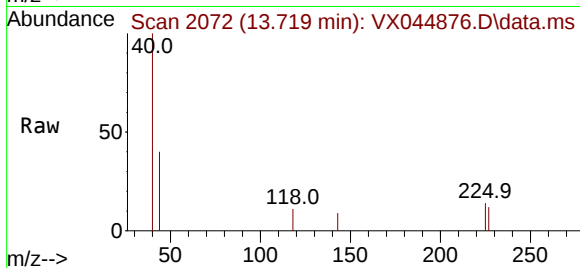
Tgt Ion:180 Resp: 616
Ion Ratio Lower Upper
180 100
182 102.4 47.6 142.8
145 35.9 16.4 49.1



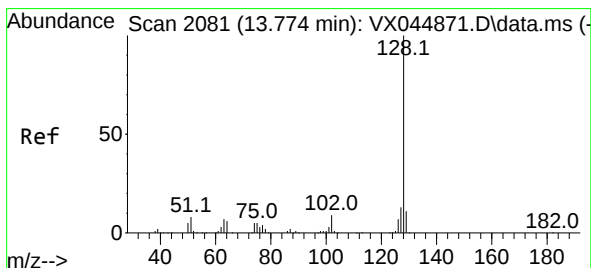
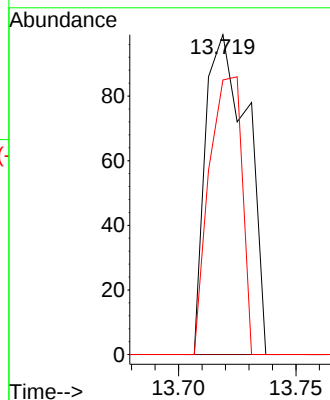
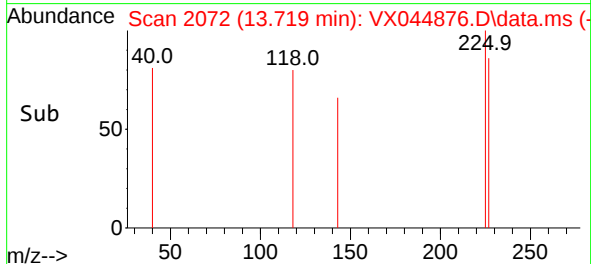


#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43

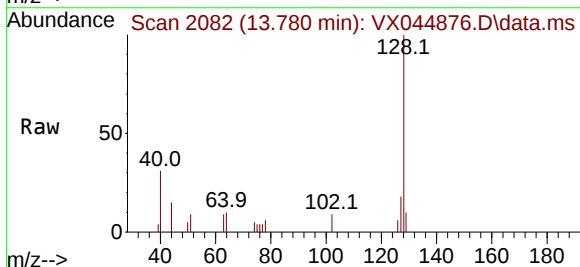
Instrument :
MSVOA_X
ClientSampleId :
VX0210MBL01



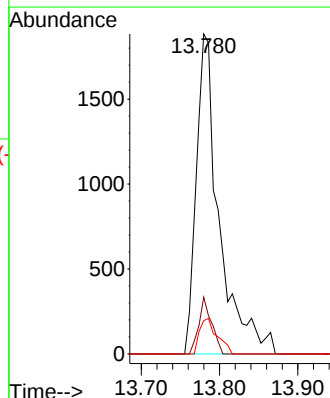
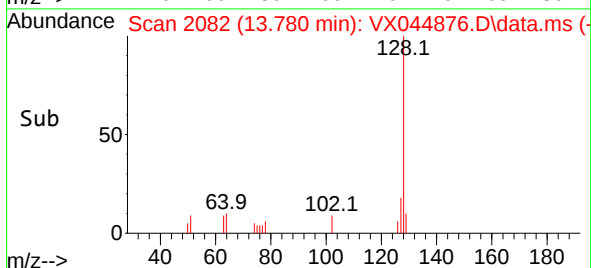
Tgt Ion:225 Resp: 123
Ion Ratio Lower Upper
225 100
223 0.0 31.4 94.2#
227 67.5 32.3 96.8

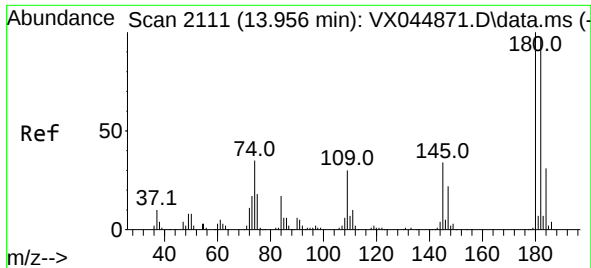


#95
Naphthalene
Concen: 0.801 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044876.D
Acq: 10 Feb 2025 13:43



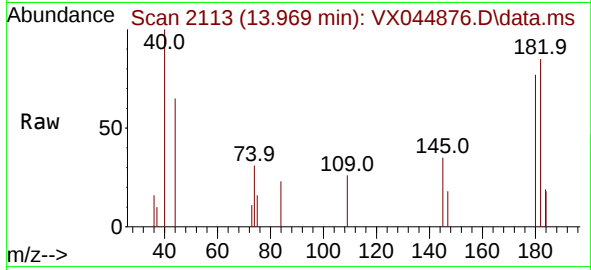
Tgt Ion:128 Resp: 3826
Ion Ratio Lower Upper
128 100
127 9.9 10.1 15.1#
129 8.5 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.587 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX044876.D
 Acq: 10 Feb 2025 13:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210MBL01



Tgt Ion:	180	Resp:	782
Ion	Ratio	Lower	Upper
180	100		
182	100.4	47.9	143.6
145	31.5	17.1	51.3

