

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028027.D
 Acq On : 08 Apr 2022 15:11
 Operator : JC/MD
 Sample : N2333-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11R

Quant Time: Apr 11 01:17:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

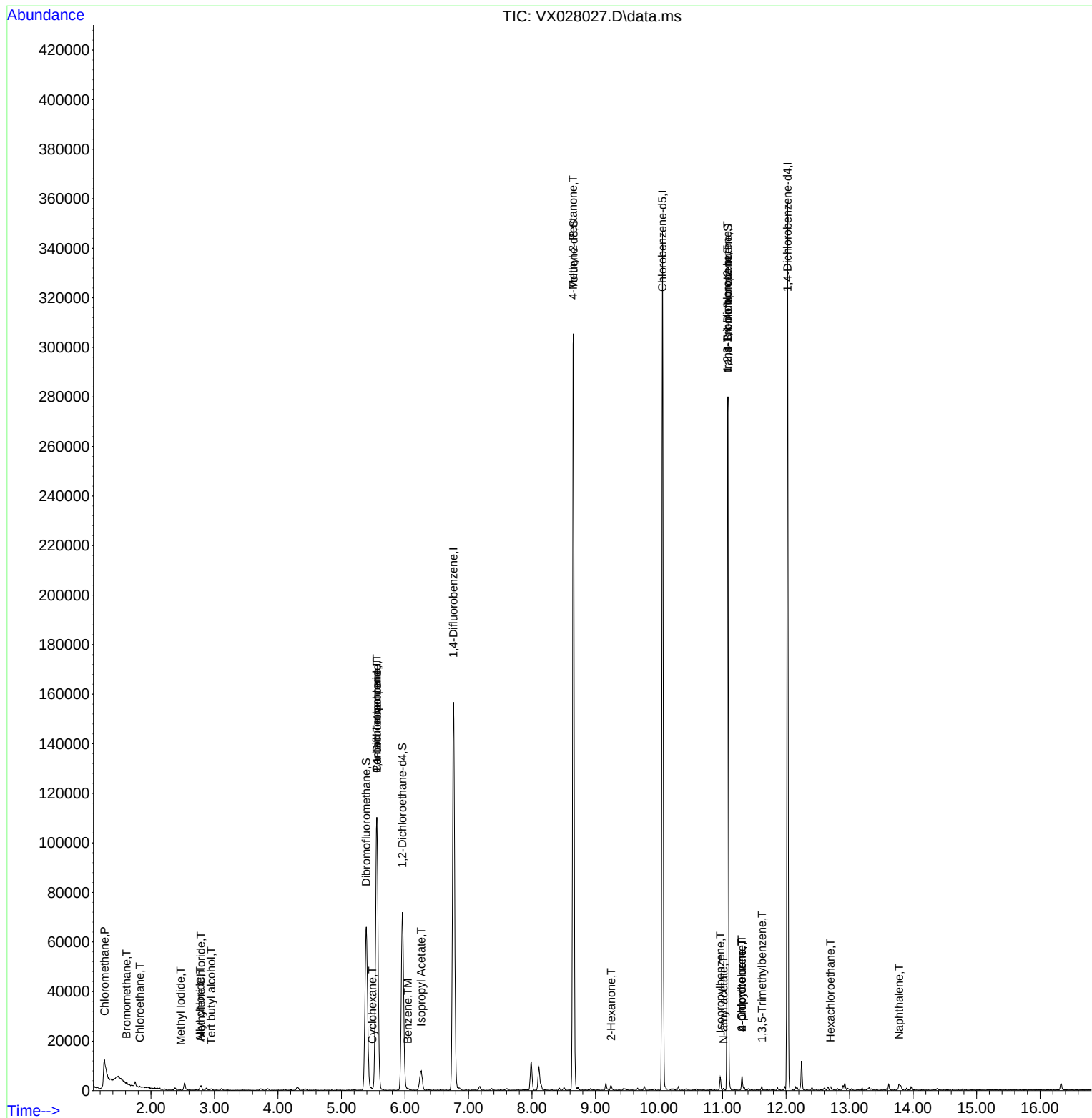
Internal Standards						
1) Pentafluorobenzene	5.556	168	101582	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	144151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136791	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74083	48.042	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.080%
35) Dibromofluoromethane	5.385	113	56576	58.469	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	116.940%
50) Toluene-d8	8.653	98	175356	50.791	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.580%
62) 4-Bromofluorobenzene	11.085	95	74865	51.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.020%
Target Compounds						
						Qvalue
3) Chloromethane	1.270	50	423	1.825	ug/l	# 42
5) Bromomethane	1.617	94	118	0.925	ug/l	96
6) Chloroethane	1.825	64	353	2.045	ug/l	# 43
10) Methyl Iodide	2.465	142	157	6.900	ug/l	# 41
11) Tert butyl alcohol	2.946	59	591	2.175	ug/l	# 72
14) Allyl chloride	2.776	41	523	0.287	ug/l	# 64
16) Acetone	2.380	43	1089	Below Cal	#	88
17) Carbon Disulfide	2.514	76	447	Below Cal	#	75
20) Methylene Chloride	2.788	84	247	2.533	ug/l	# 90
31) Cyclohexane	5.483	56	659	0.353	ug/l	# 63
36) 1,1-Dichloropropene	5.556	75	8176	5.747	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	11027	7.160	ug/l	# 14
40) Benzene	6.043	78	797	0.201	ug/l	94
43) Isopropyl Acetate	6.257	43	1973	0.784	ug/l	# 56
51) 4-Methyl-2-Pentanone	8.647	43	1069	0.651	ug/l	# 1
59) 2-Hexanone	9.244	43	1372	1.047	ug/l	# 54
73) Isopropylbenzene	10.963	105	2521	0.515	ug/l	99
74) N-amyl acetate	11.012	43	487	0.227	ug/l	# 36
76) 1,2,3-Trichloropropane	11.079	75	43662	28.209	ug/l	# 38
78) n-propylbenzene	11.305	91	3821	0.655	ug/l	94
79) 2-Chlorotoluene	11.305	91	3821	1.064	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.622	105	887	0.211	ug/l	78
81) trans-1,4-Dichloro-2-b...	11.079	75	43662	86.877	ug/l	# 15
82) 4-Chlorotoluene	11.305	91	3821	0.914	ug/l	# 45
90) Hexachloroethane	12.701	117	910	1.459	ug/l	# 10
95) Naphthalene	13.780	128	1812	0.410	ug/l	# 83

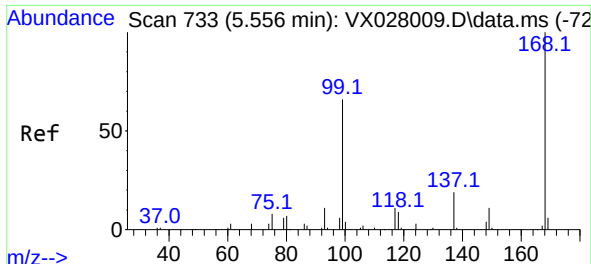
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

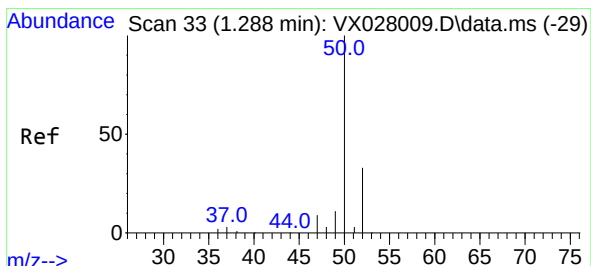
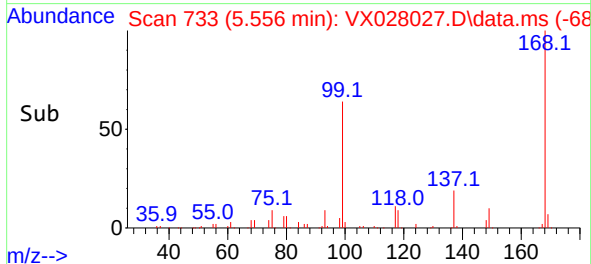
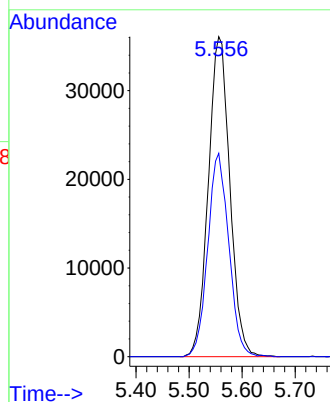
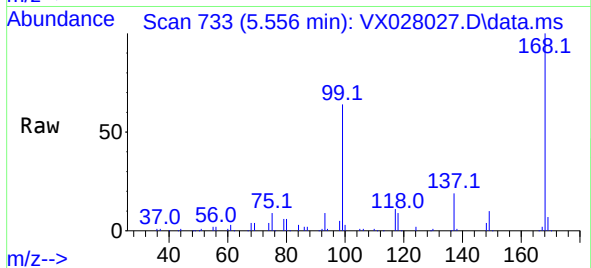




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

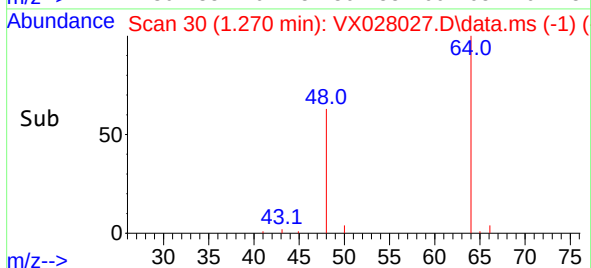
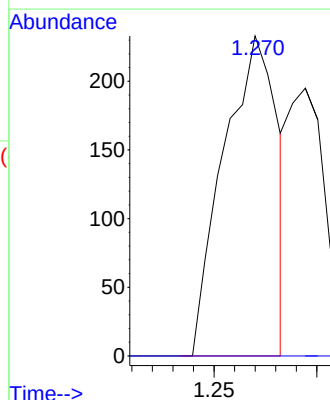
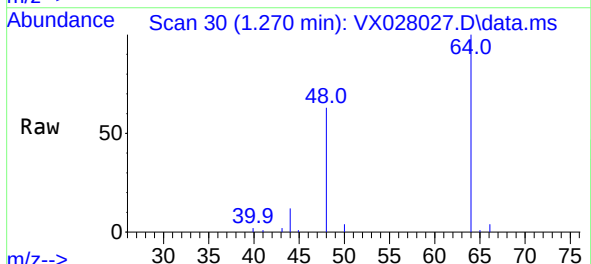
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

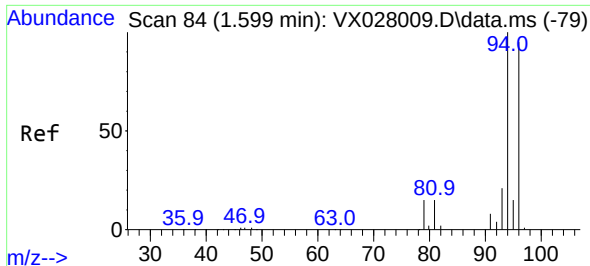
Tgt Ion:168 Resp: 101582
Ion Ratio Lower Upper
168 100
99 63.6 41.7 62.5#



#3
Chloromethane
Concen: 1.825 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

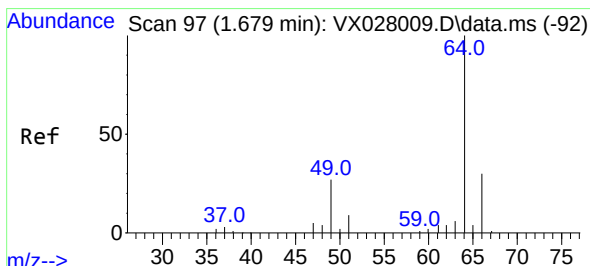
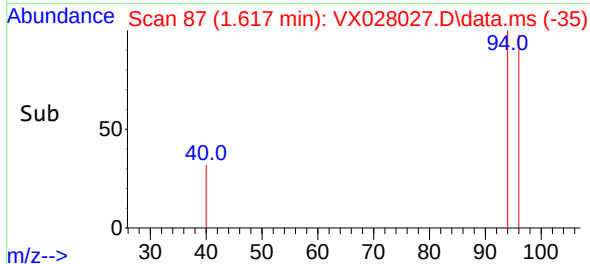
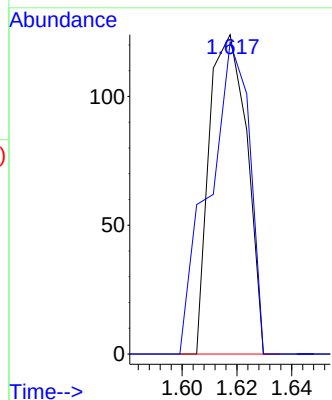
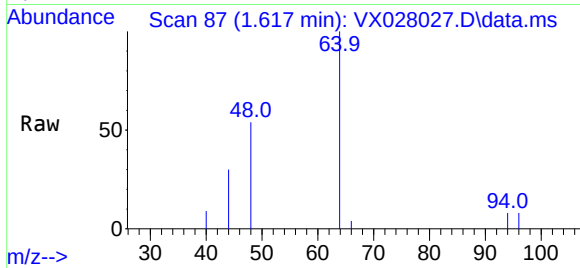




#5
Bromomethane
Concen: 0.925 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

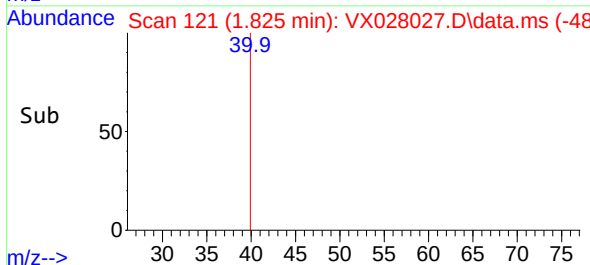
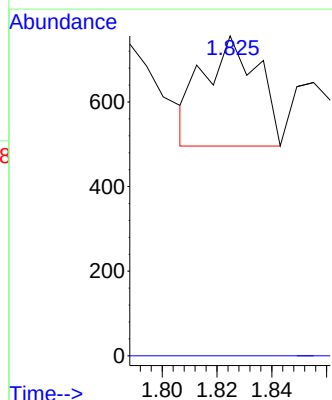
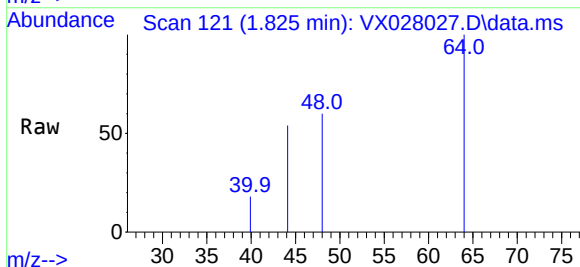
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

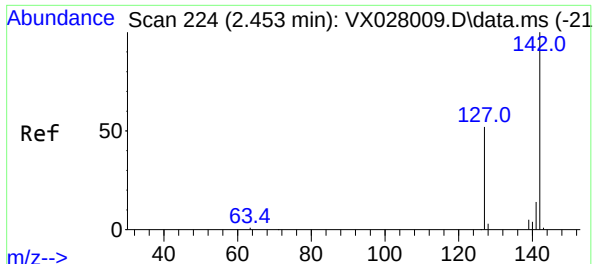
Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 97.6 75.3 112.9



#6
Chloroethane
Concen: 2.045 ug/l
RT: 1.825 min Scan# 121
Delta R.T. 0.146 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

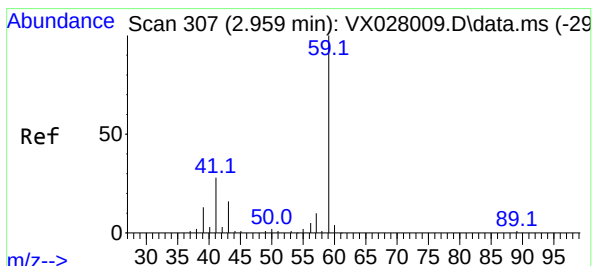
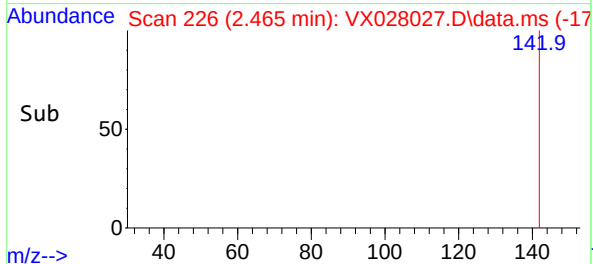
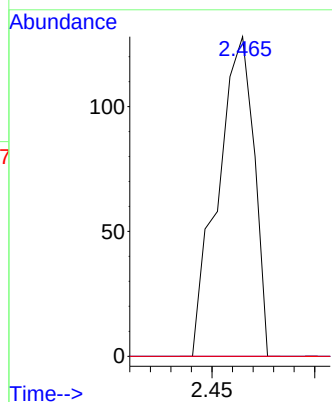
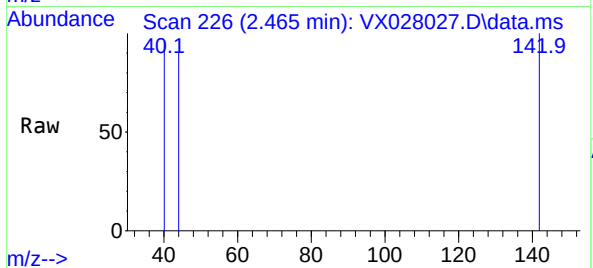




#10
Methyl Iodide
Concen: 6.900 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

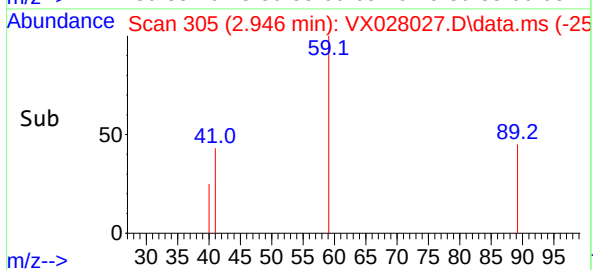
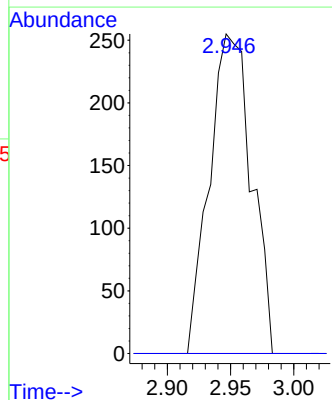
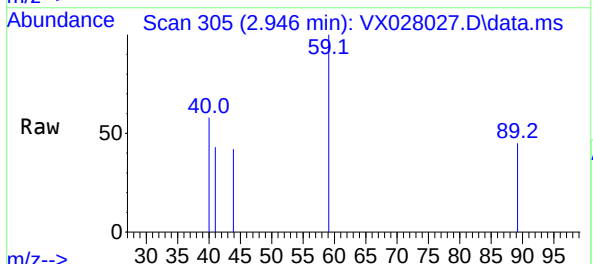
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

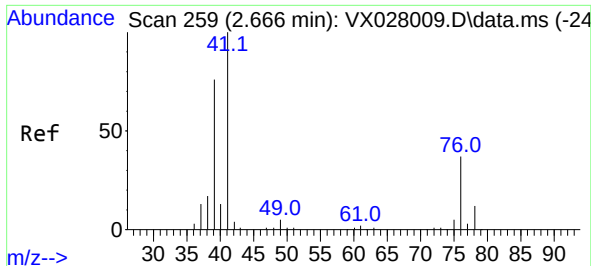
Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.175 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

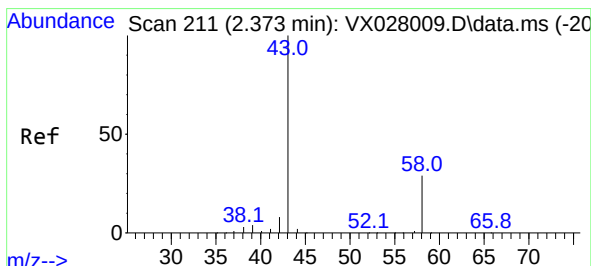
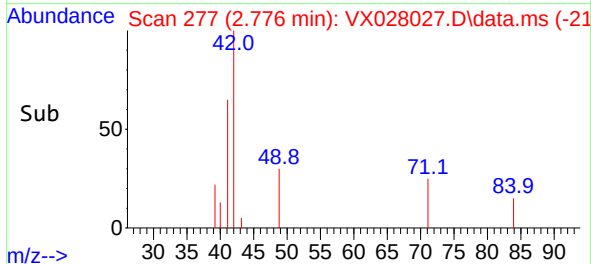
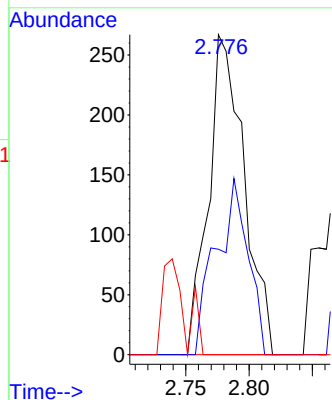
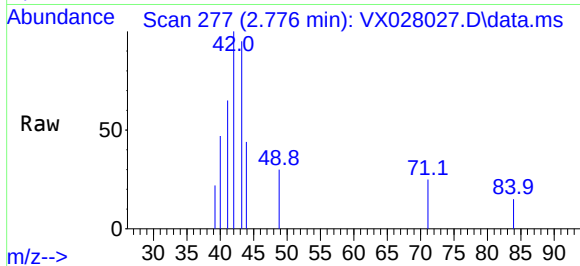




#14
Allyl chloride
Concen: 0.287 ug/l
RT: 2.776 min Scan# 21
Delta R.T. 0.110 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

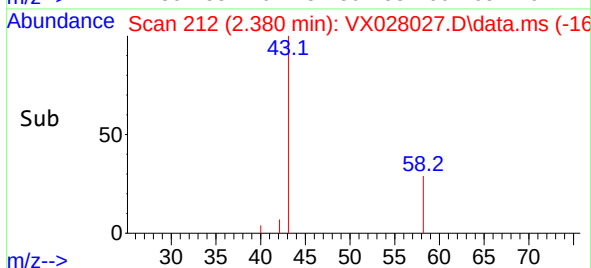
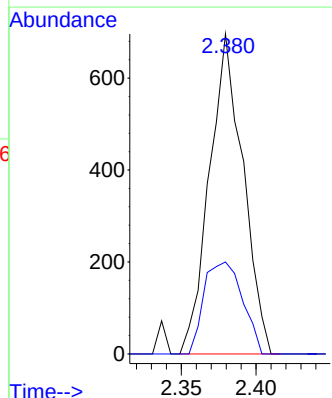
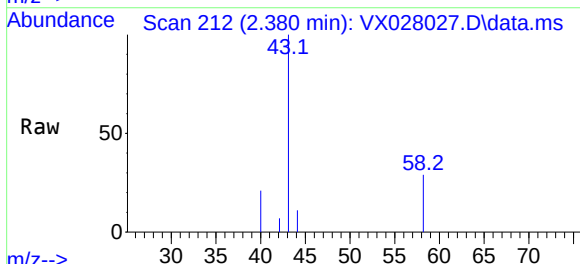
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

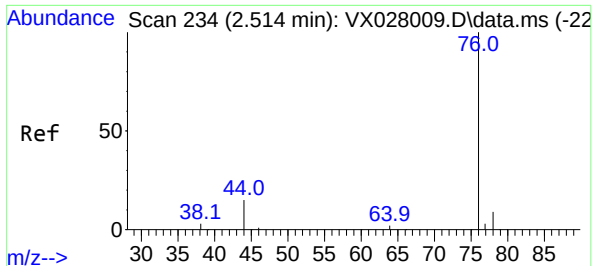
Tgt Ion: 41 Resp: 523
Ion Ratio Lower Upper
41 100
39 49.7 50.4 75.6#
76 0.0 32.7 49.1#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 28.7 28.8 43.2#

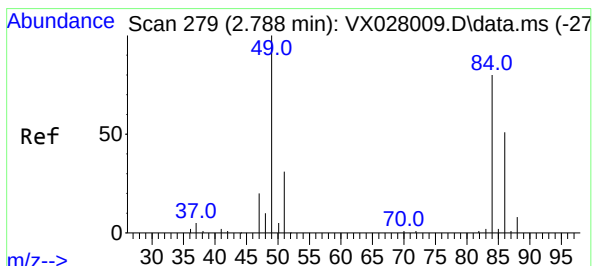
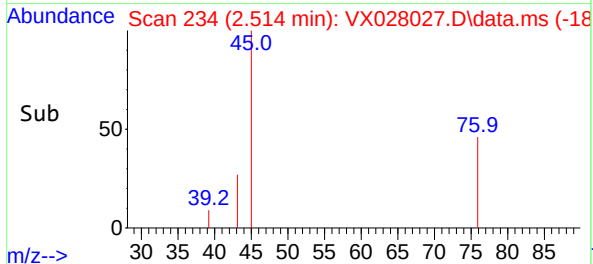
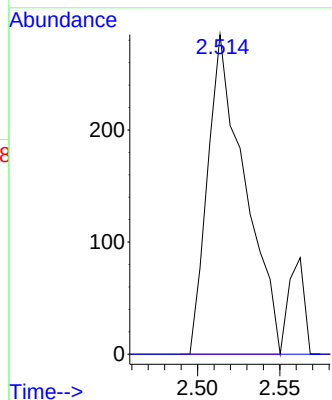
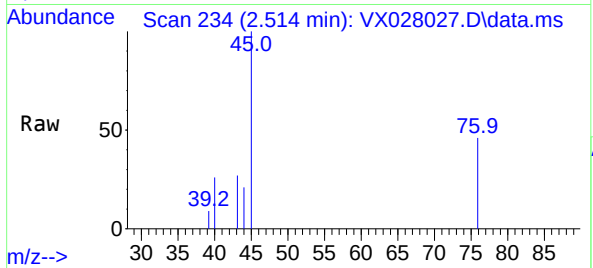




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

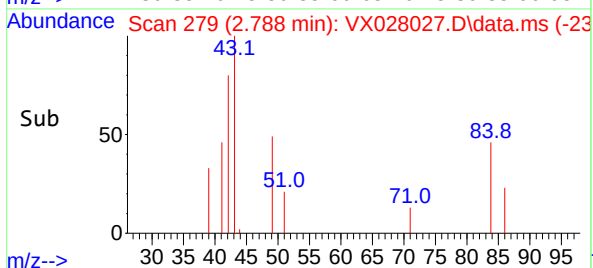
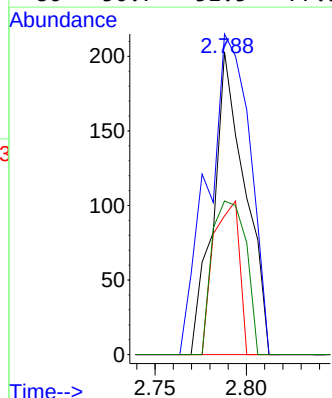
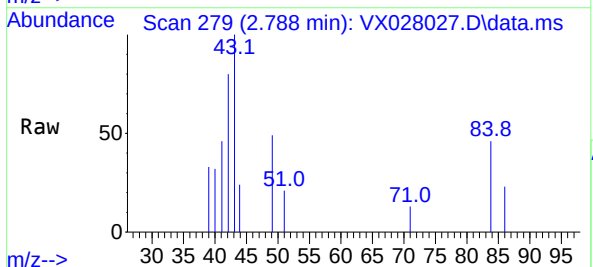
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

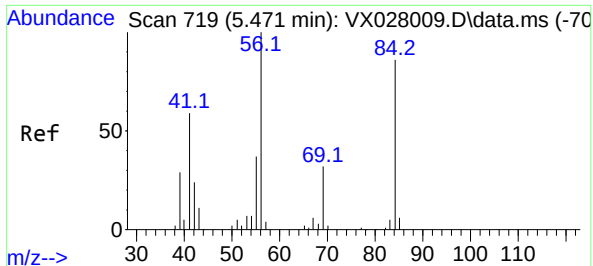
Tgt Ion: 76 Resp: 447
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 2.533 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 84 Resp: 247
Ion Ratio Lower Upper
84 100
49 105.9 85.5 128.3
51 45.8 26.6 39.8#
86 50.7 51.5 77.3#

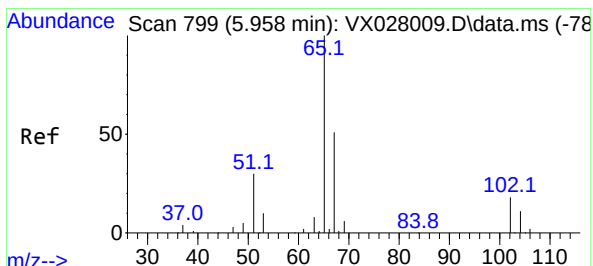
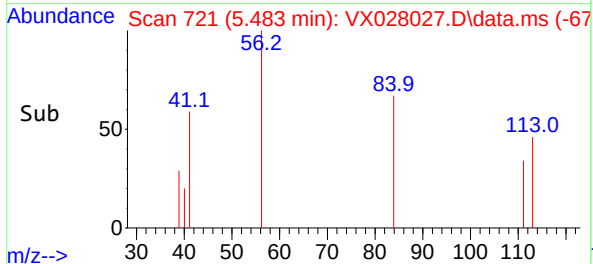
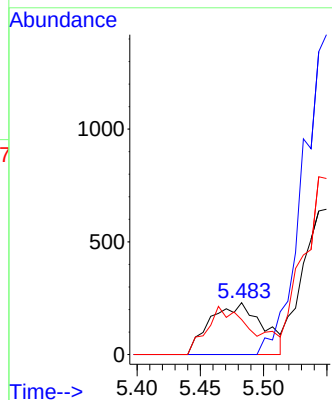
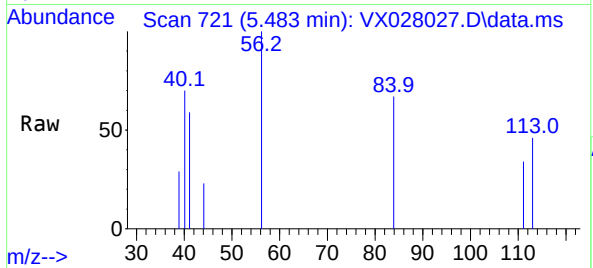




#31
Cyclohexane
Concen: 0.353 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

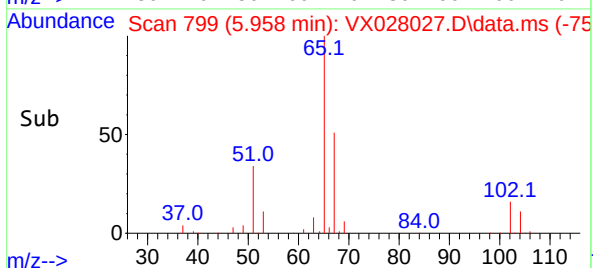
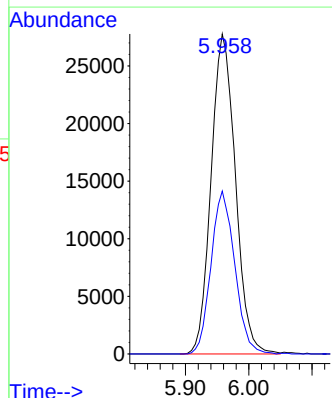
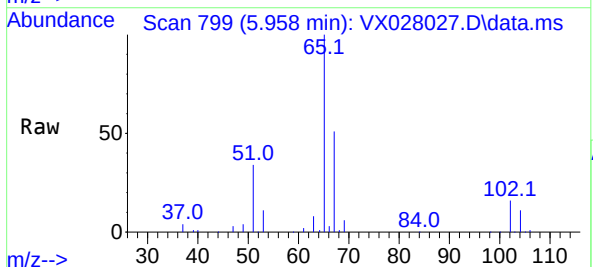
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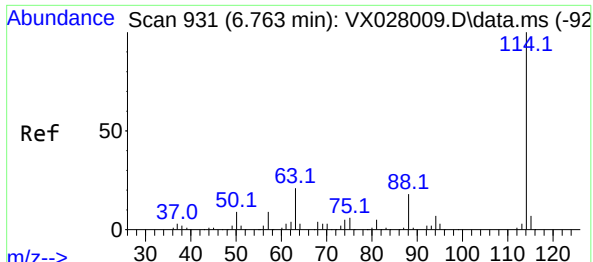
Tgt Ion: 56 Resp: 659
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 67.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.042 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 65 Resp: 74083
Ion Ratio Lower Upper
65 100
67 49.7 0.0 107.4

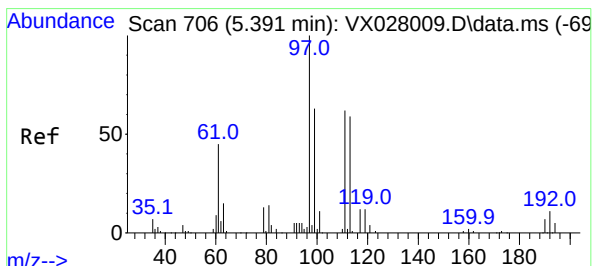
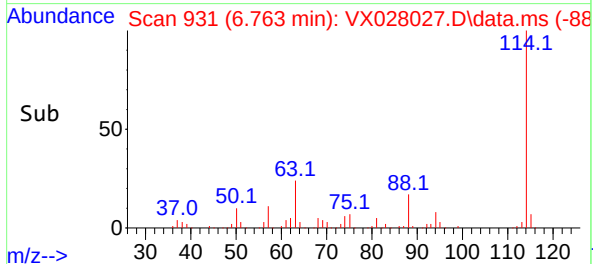
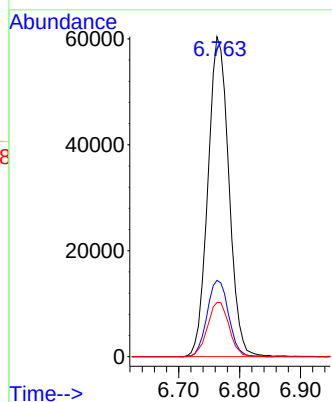
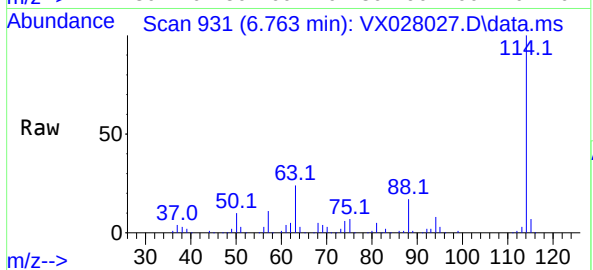




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

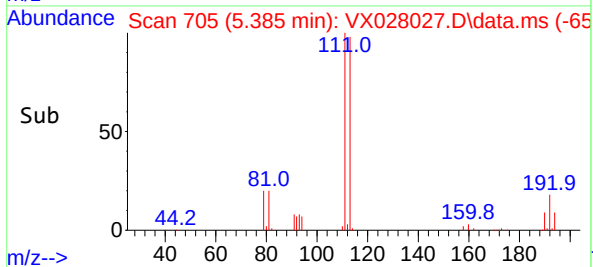
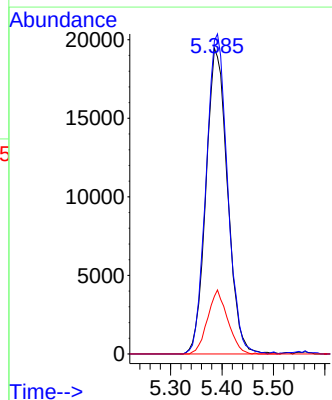
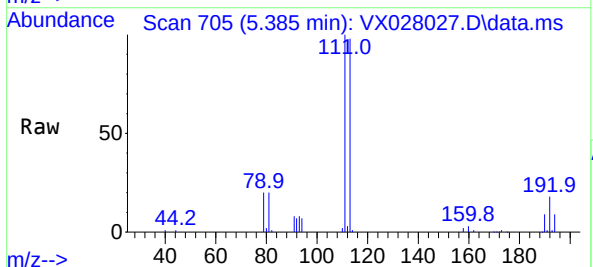
Instrument :
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ClientSampleId :
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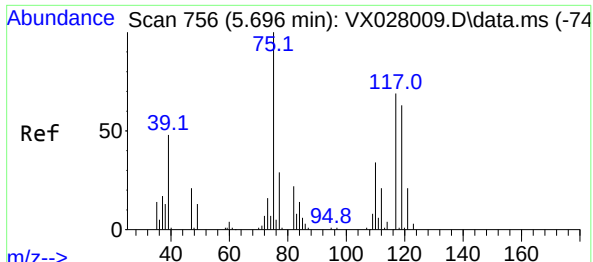
Tgt Ion:	114	Resp:	144151
Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	36.8
88	17.0	0.0	32.4



#35
Dibromofluoromethane
Concen: 58.469 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion:	113	Resp:	56576
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.8	124.2
192	19.6	16.9	25.3

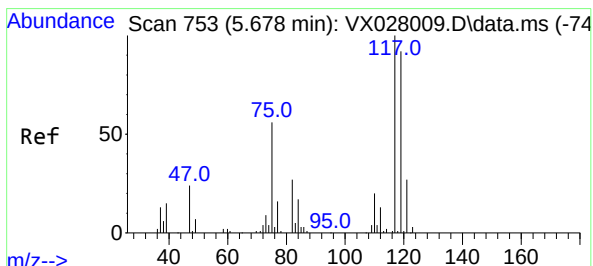
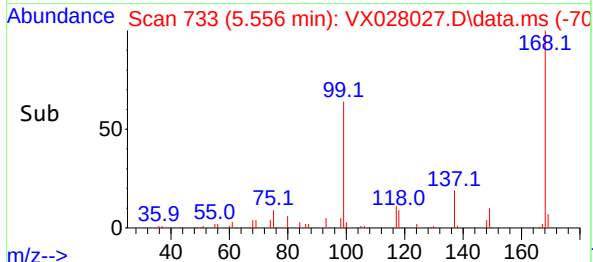
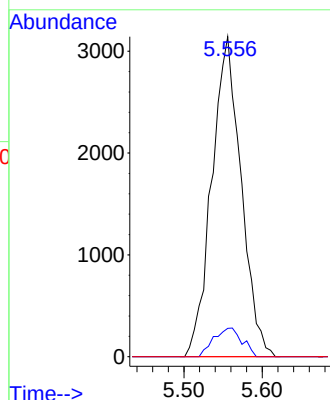
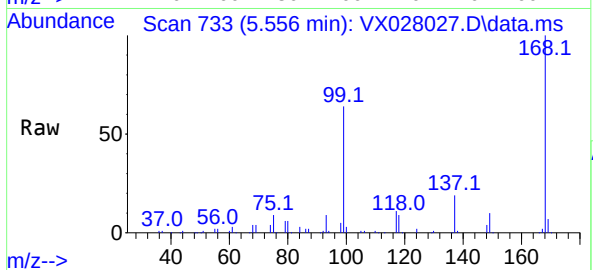




#36
1,1-Dichloropropene
Concen: 5.747 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

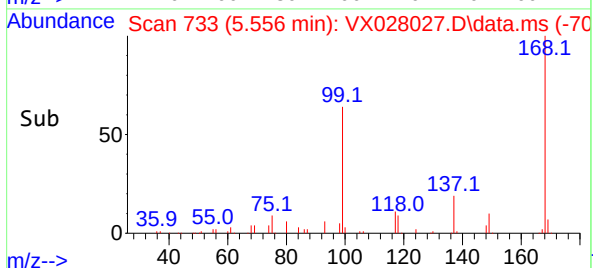
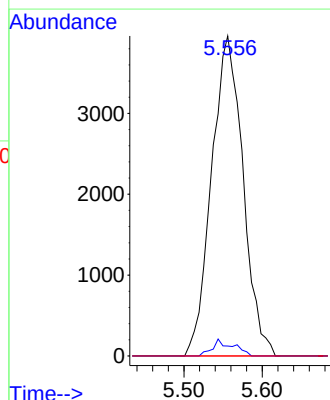
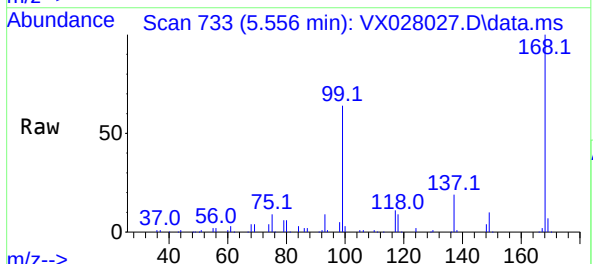
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

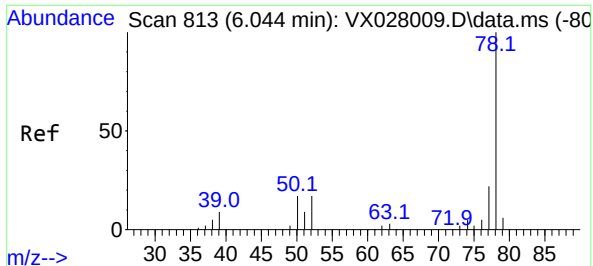
Tgt Ion: 75 Resp: 8176
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.160 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 117 Resp: 11027
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 24.2 36.2#

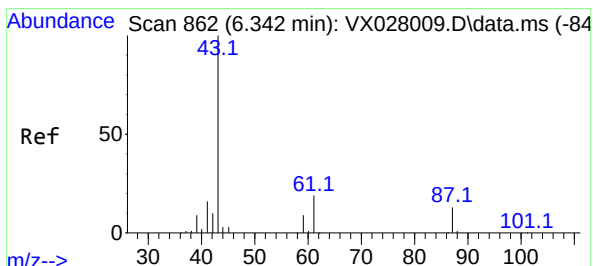
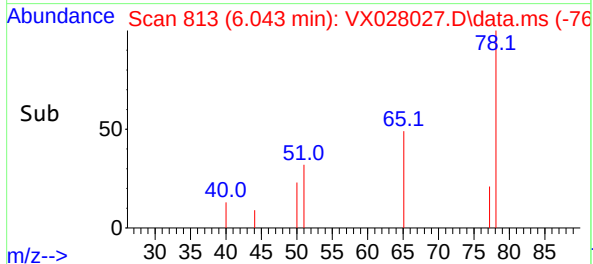
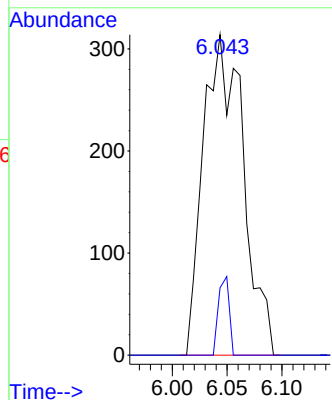
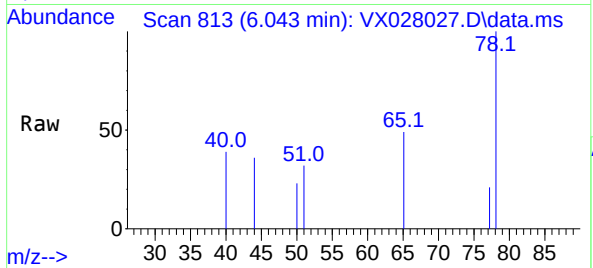




#40
Benzene
Concen: 0.201 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

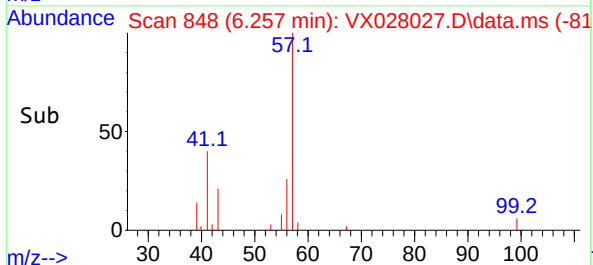
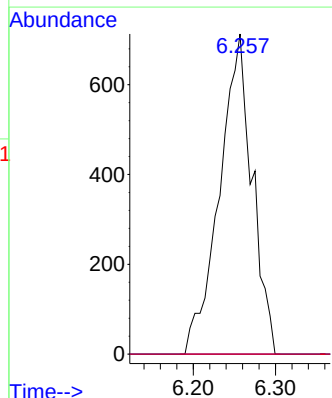
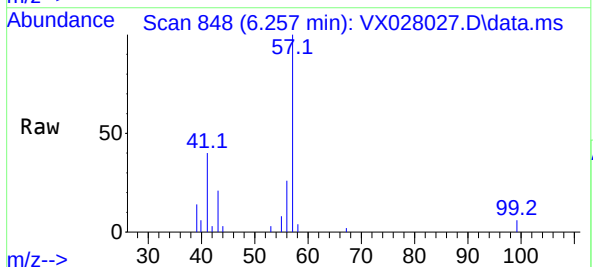
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

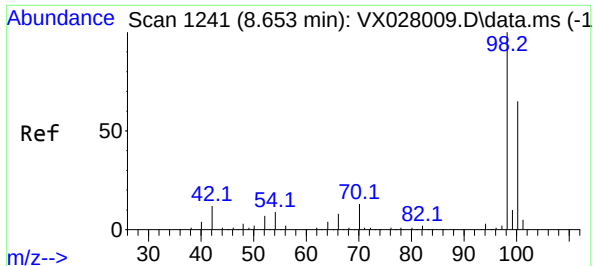
Tgt Ion: 78 Resp: 797
Ion Ratio Lower Upper
78 100
77 21.0 19.3 28.9



#43
Isopropyl Acetate
Concen: 0.784 ug/l
RT: 6.257 min Scan# 848
Delta R.T. -0.085 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#

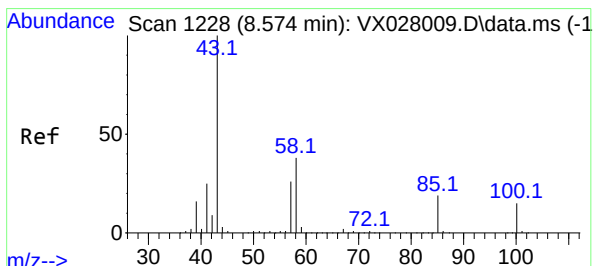
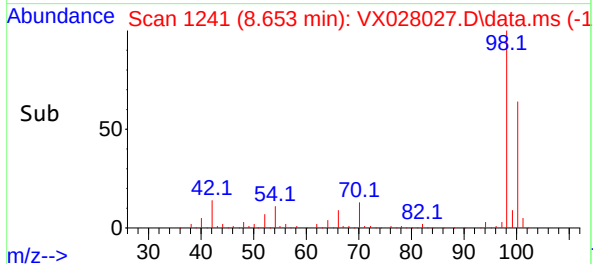
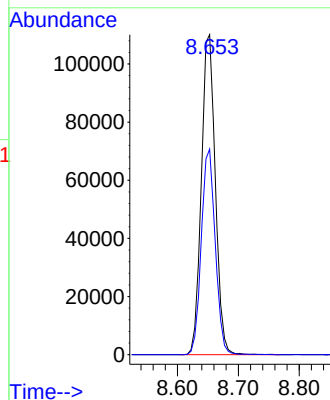
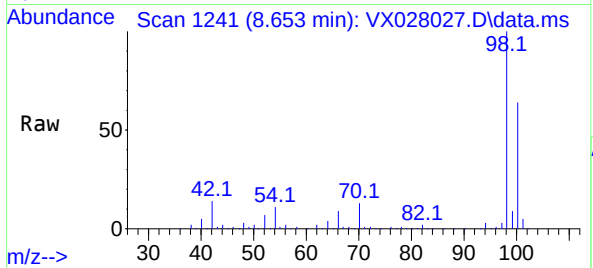




#50
Toluene-d8
Concen: 50.791 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

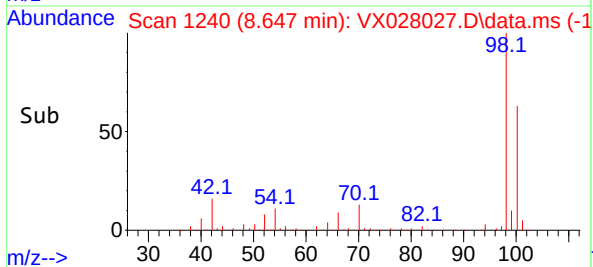
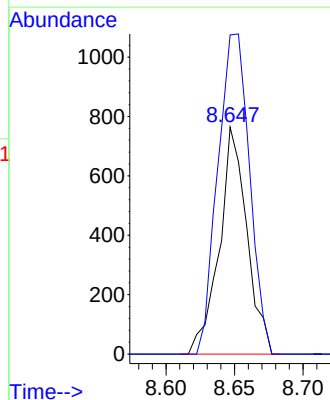
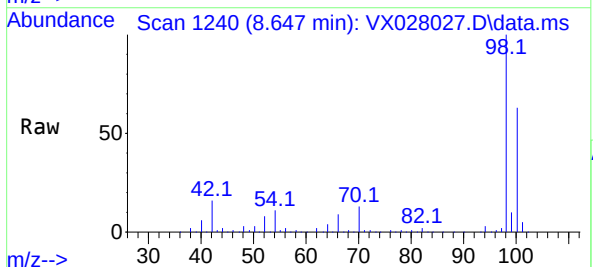
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

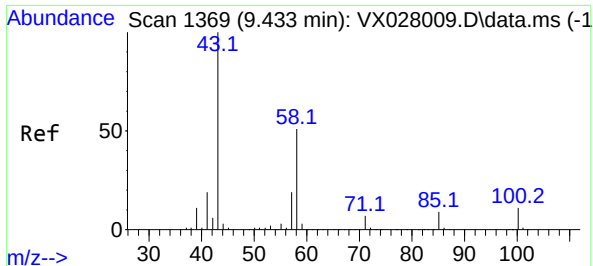
Tgt Ion: 98 Resp: 175356
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.651 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 162.5 36.1 54.1#





#59

2-Hexanone

Concen: 1.047 ug/l

RT: 9.244 min Scan# 11

Delta R.T. -0.189 min

Lab File: VX028027.D

Acq: 08 Apr 2022 15:11

Instrument :

MSVOA_X

ClientSampleId :

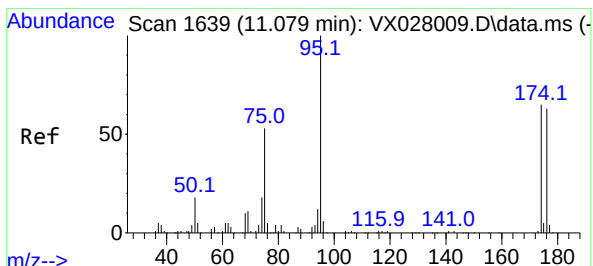
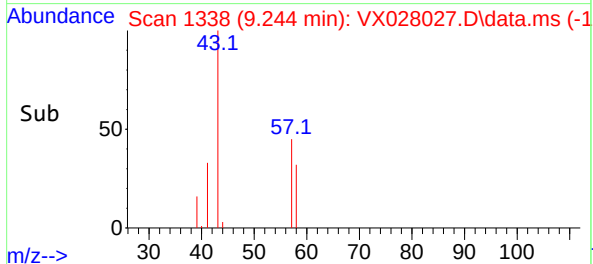
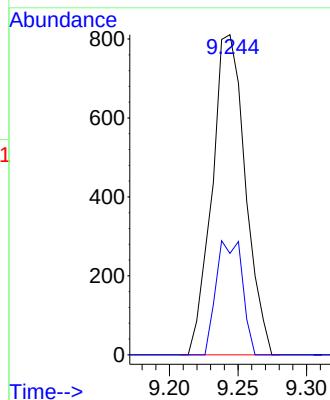
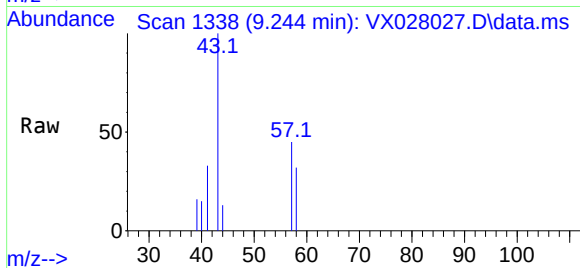
MW-11R

Tgt Ion: 43 Resp: 1372

Ion Ratio Lower Upper

43 100

58 28.0 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.010 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX028027.D

Acq: 08 Apr 2022 15:11

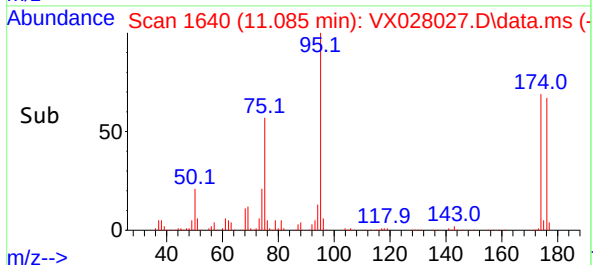
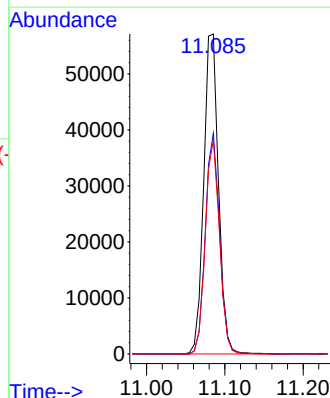
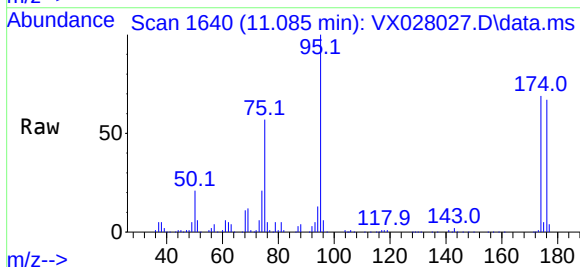
Tgt Ion: 95 Resp: 74865

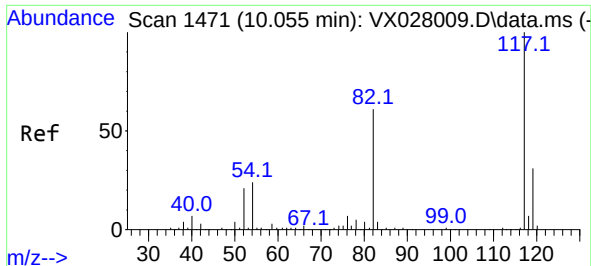
Ion Ratio Lower Upper

95 100

174 66.2 0.0 163.0

176 64.1 0.0 155.0

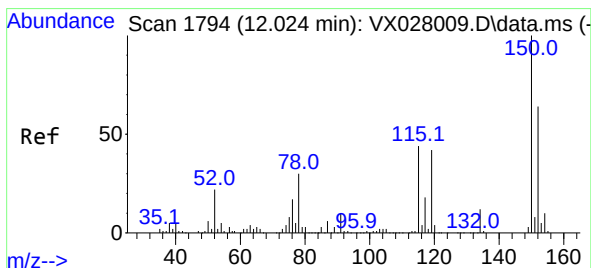
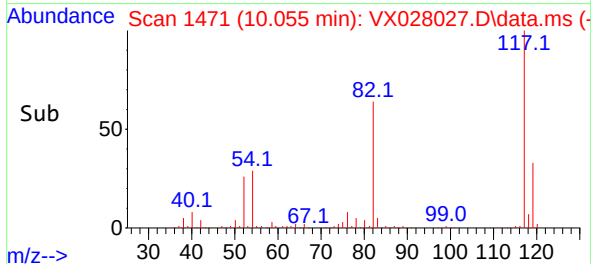
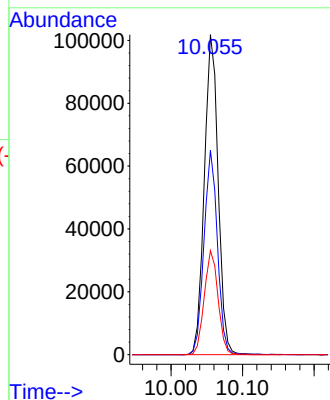
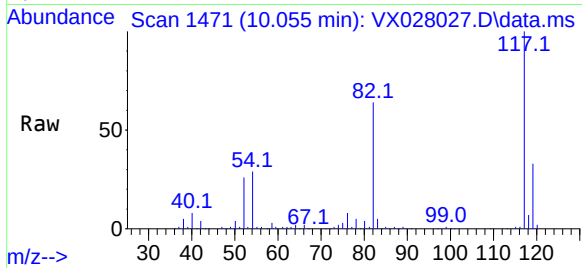




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

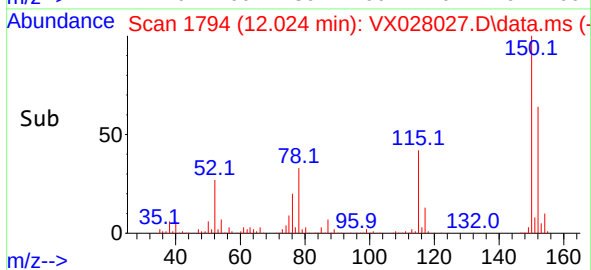
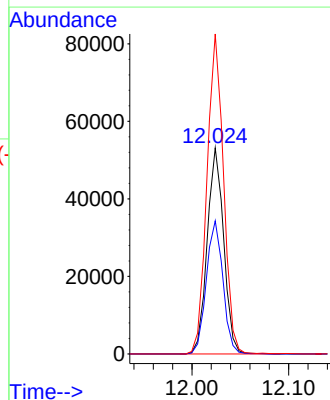
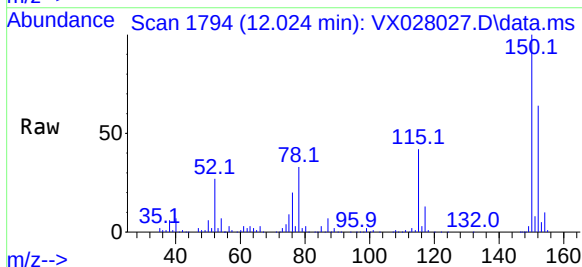
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

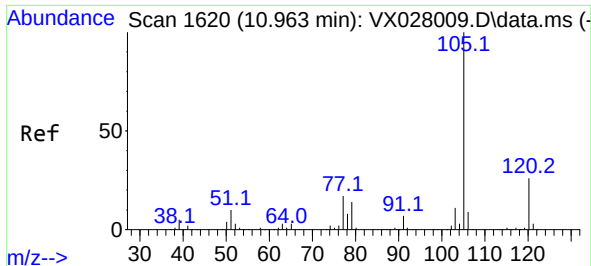
Tgt Ion:117 Resp: 136791
Ion Ratio Lower Upper
117 100
82 63.9 41.8 62.8#
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion:152 Resp: 63099
Ion Ratio Lower Upper
152 100
115 65.2 37.5 112.7
150 155.8 0.0 338.2

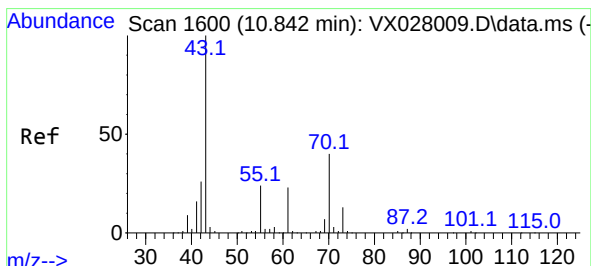
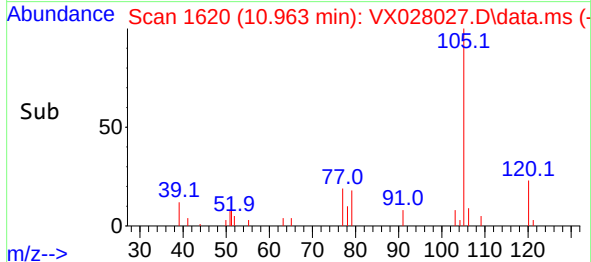
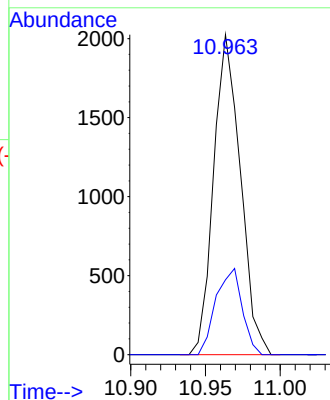
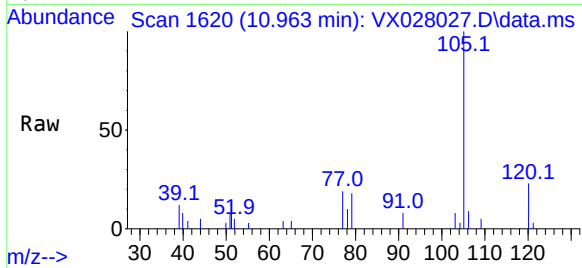




#73
Isopropylbenzene
Concen: 0.515 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

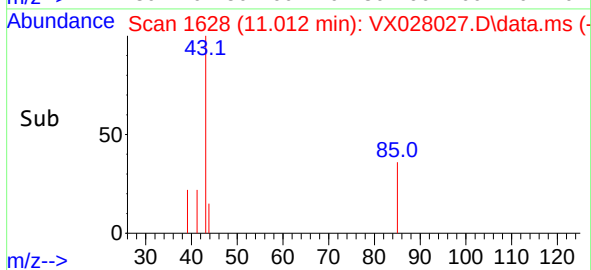
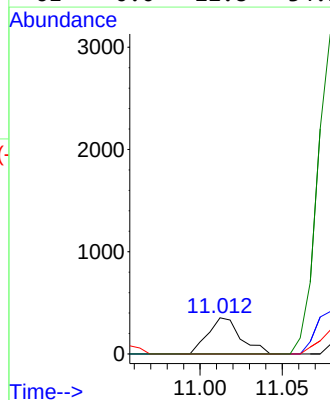
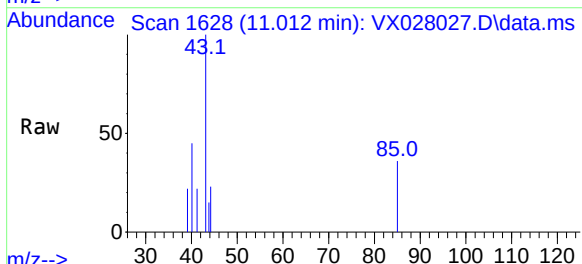
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

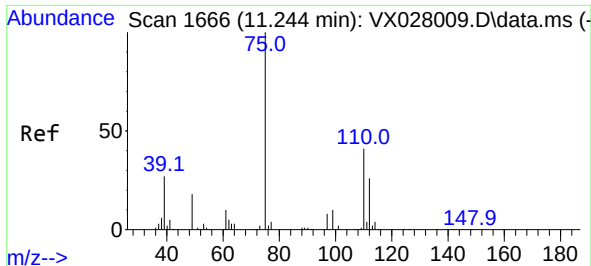
Tgt Ion:105 Resp: 2521
Ion Ratio Lower Upper
105 100
120 26.4 13.5 40.5



#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 11.012 min Scan# 1628
Delta R.T. 0.170 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 0.0 23.1 34.7#
61 0.0 22.8 34.2#

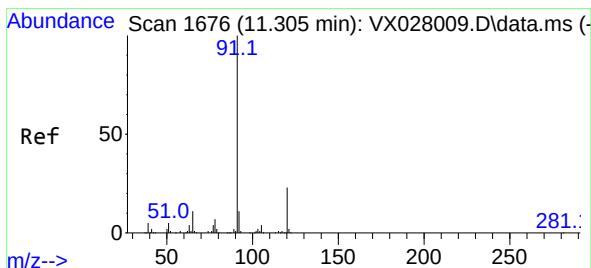
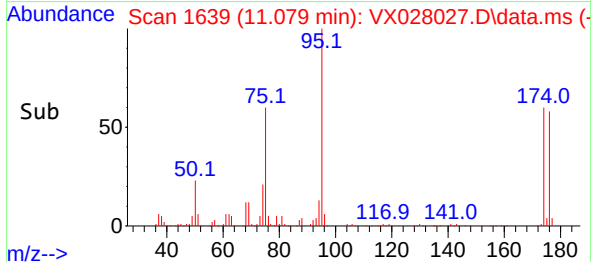
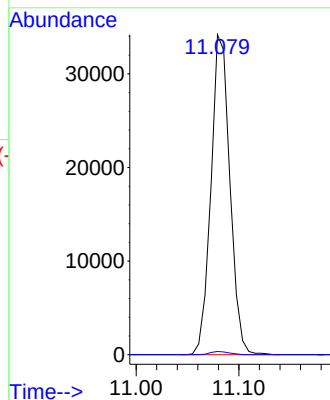
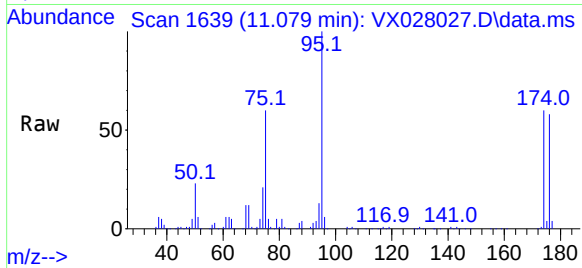




#76
1,2,3-Trichloropropane
Concen: 28.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

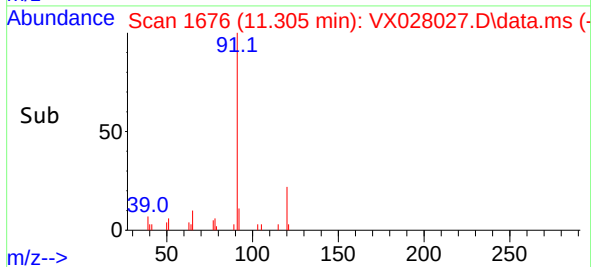
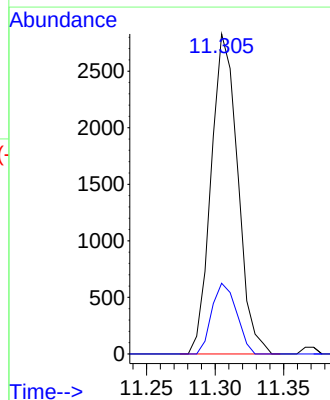
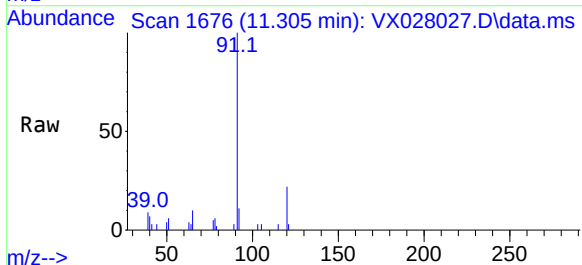
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

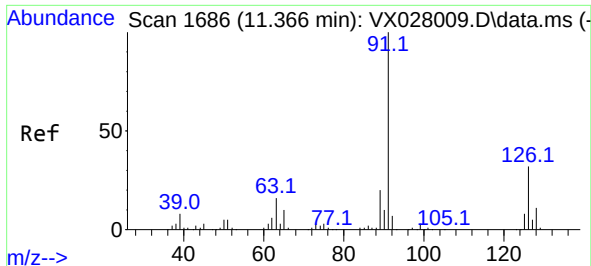
Tgt Ion: 75 Resp: 43662
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#78
n-propylbenzene
Concen: 0.655 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 91 Resp: 3821
Ion Ratio Lower Upper
91 100
120 20.4 11.6 34.8





#79

2-Chlorotoluene

Concen: 1.064 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX028027.D

Acq: 08 Apr 2022 15:11

Instrument :

MSVOA_X

ClientSampleId :

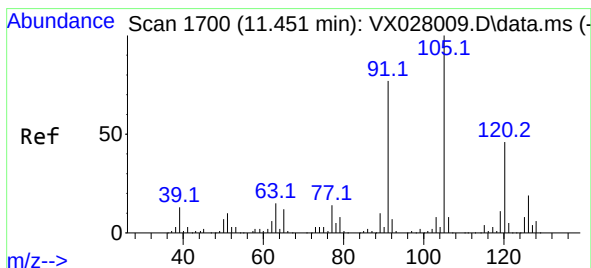
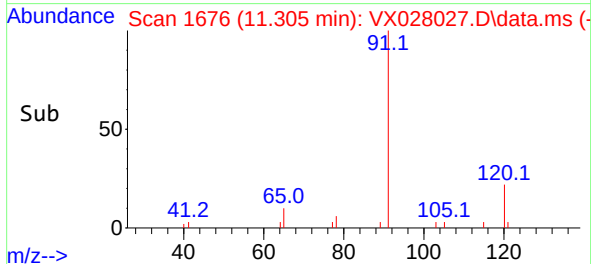
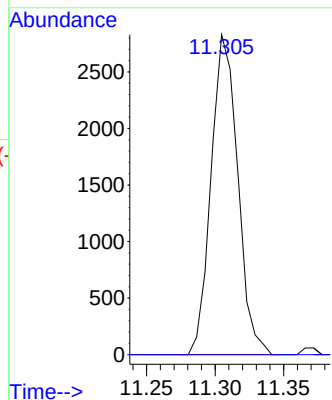
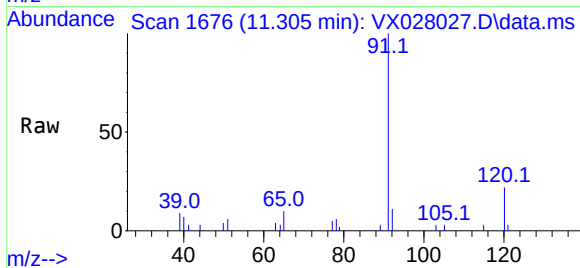
MW-11R

Tgt Ion: 91 Resp: 3821

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.211 ug/l

RT: 11.622 min Scan# 1728

Delta R.T. 0.171 min

Lab File: VX028027.D

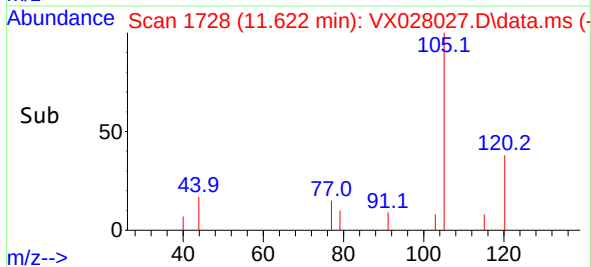
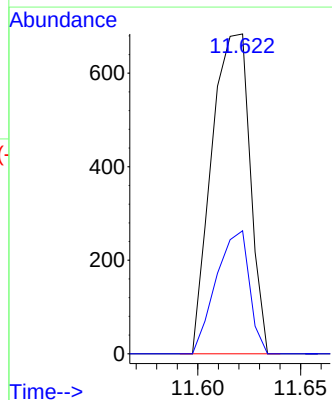
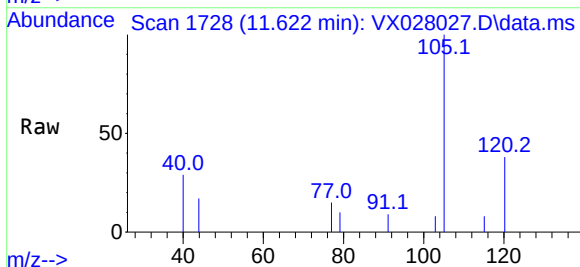
Acq: 08 Apr 2022 15:11

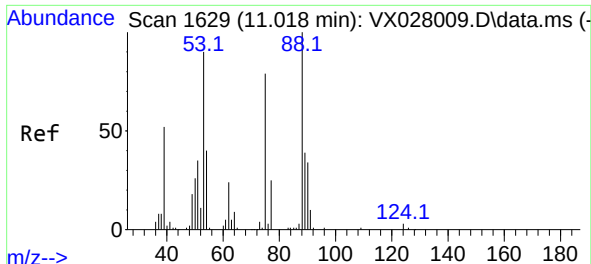
Tgt Ion:105 Resp: 887

Ion Ratio Lower Upper

105 100

120 33.4 24.3 72.9

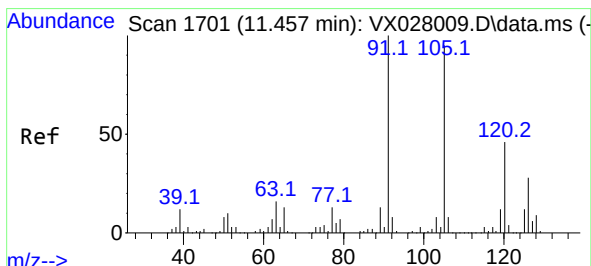
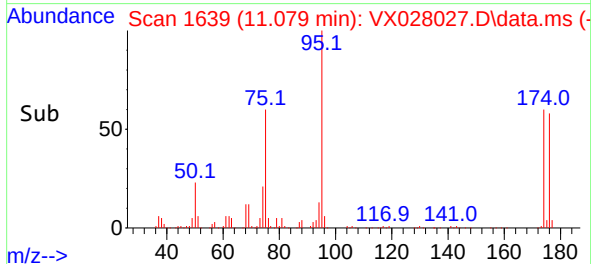
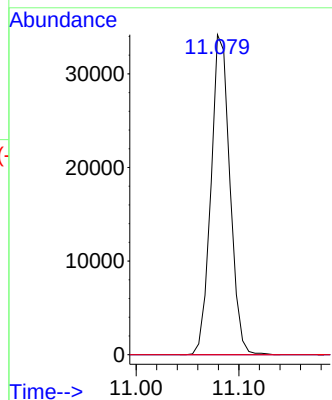
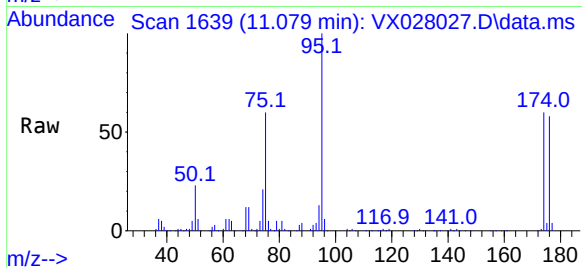




#81
trans-1,4-Dichloro-2-butene
Concen: 86.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

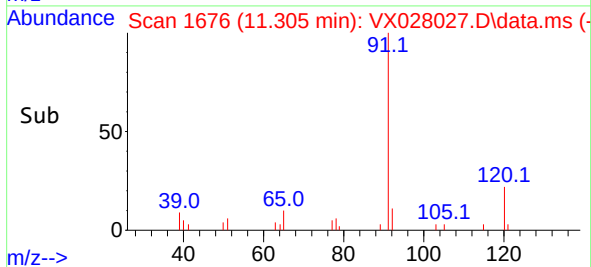
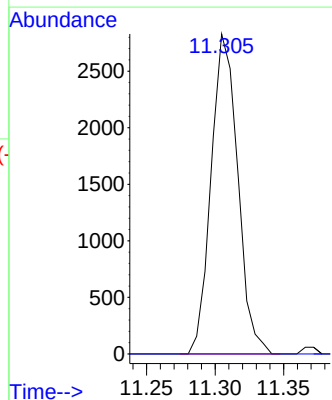
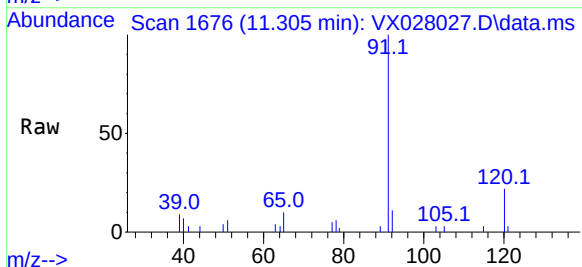
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

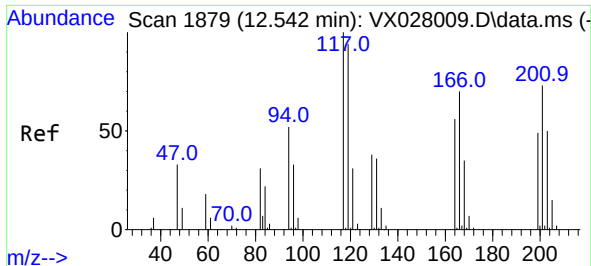
Tgt Ion: 75 Resp: 43662
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.914 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.152 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion: 91 Resp: 3821
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.5#

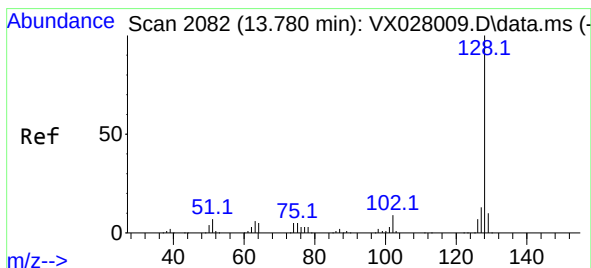
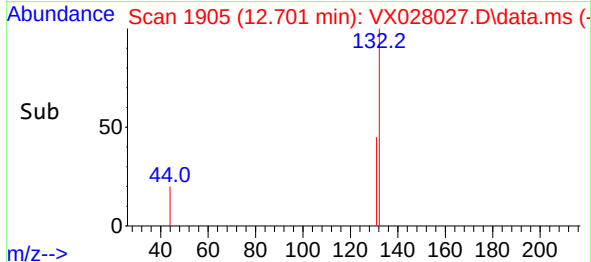
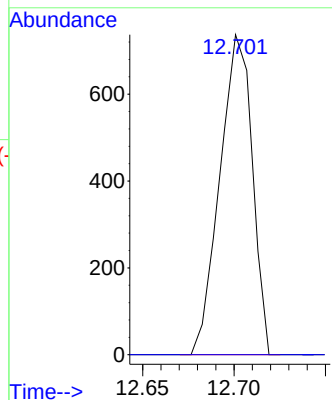
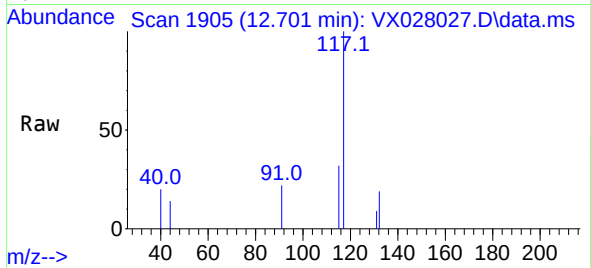




#90
Hexachloroethane
Concen: 1.459 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Instrument :
MSVOA_X
ClientSampleId :
MW-11R

Tgt Ion:117 Resp: 910
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.410 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028027.D
Acq: 08 Apr 2022 15:11

Tgt Ion:128 Resp: 1812
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 24.2 8.7 13.1#

