

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026949.D
 Acq On : 11 Feb 2022 03:31
 Operator : JC/MD
 Sample : N1467-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23S

Quant Time: Feb 11 04:09:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

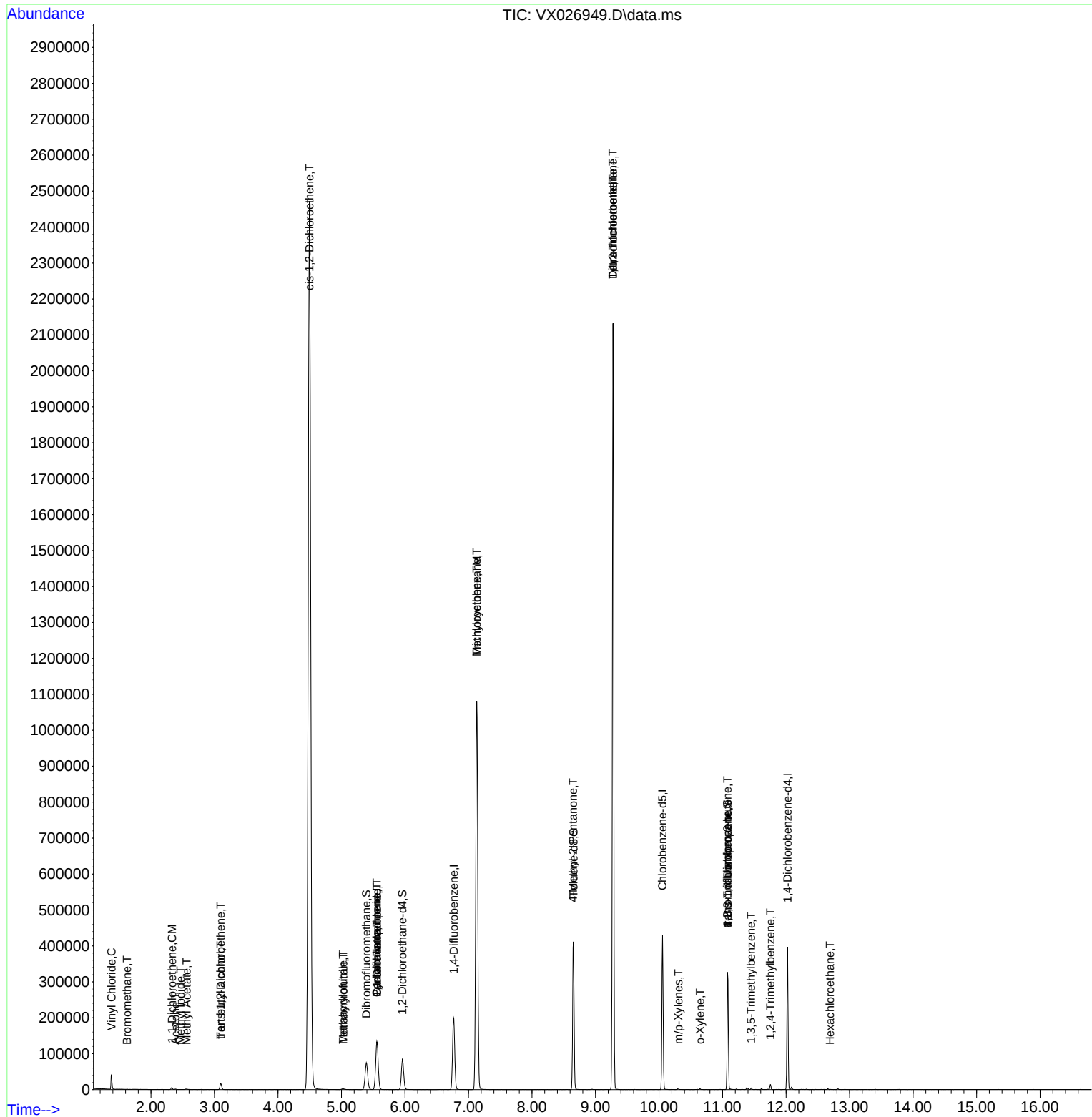
Internal Standards						
1) Pentafluorobenzene	5.556	168	125521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	210626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79926	53.045	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.100%	
35) Dibromofluoromethane	5.391	113	65921	52.532	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.060%	
50) Toluene-d8	8.653	98	245606	53.320	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.640%	
62) 4-Bromofluorobenzene	11.079	95	88929	54.836	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.680%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	26023	19.579	ug/l	99
5) Bromomethane	1.624	94	117	0.207	ug/l	86
10) Methyl Iodide	2.465	142	154	2.337	ug/l #	37
11) Tert butyl alcohol	3.099	59	290	1.065	ug/l #	81
12) 1,1-Dichloroethene	2.331	96	1971	1.534	ug/l	93
16) Acetone	2.386	43	1689	2.552	ug/l	93
18) Methyl Acetate	2.563	43	792	0.416	ug/l #	53
21) trans-1,2-Dichloroethene	3.099	96	6981	5.164	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	1552175	1000.075	ug/l	88
29) Tetrahydrofuran	5.026	42	2542	3.507	ug/l	97
31) Cyclohexane	5.556	56	2500	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9669	4.884	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13083	6.302	ug/l #	17
39) Methylcyclohexane	7.129	83	4837	1.992	ug/l #	1
41) Methacrylonitrile	5.026	41	1390	1.140	ug/l #	47
44) Trichloroethene	7.129	130	429004	247.641	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	1104	0.526	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	3611	2.611	ug/l #	3
60) Dibromochloromethane	9.275	129	379924	267.005	ug/l #	11
64) Tetrachloroethene	9.275	164	389473	204.227	ug/l	97
68) m/p-Xylenes	10.305	106	882	0.330	ug/l	97
69) o-Xylene	10.647	106	548	0.209	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	44343	25.600	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1909	0.372	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	44343	78.005	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	6416	1.240	ug/l	96
90) Hexachloroethane	12.695	117	196	0.258	ug/l #	14

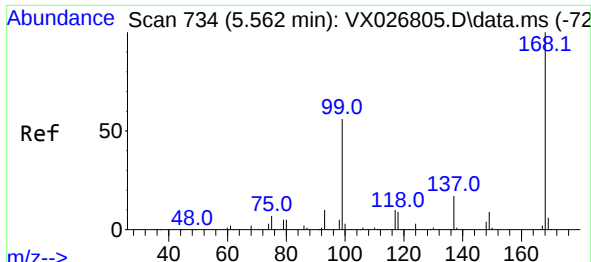
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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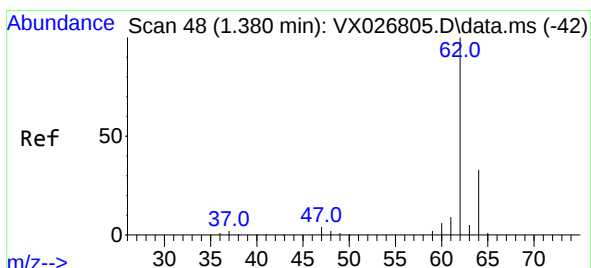
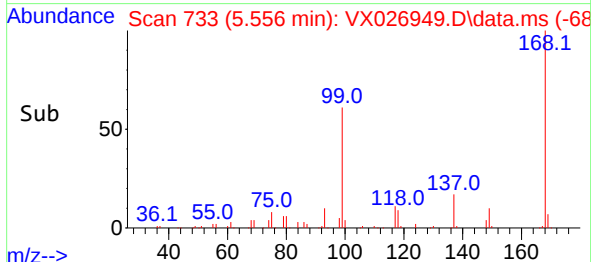
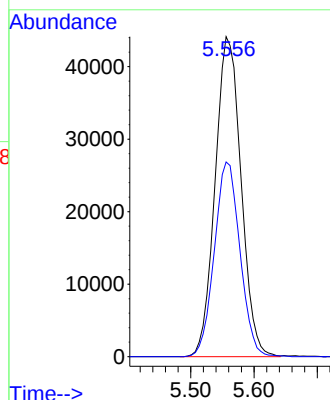
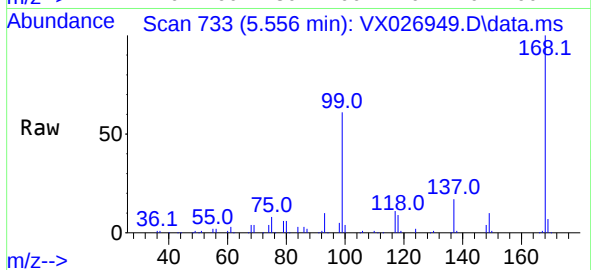




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

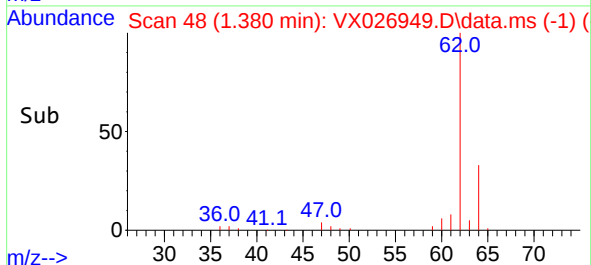
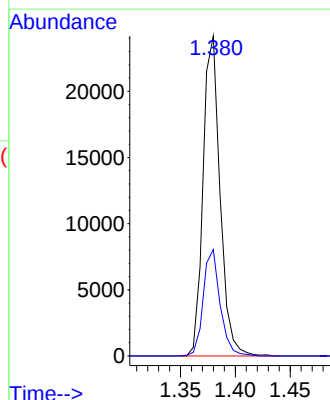
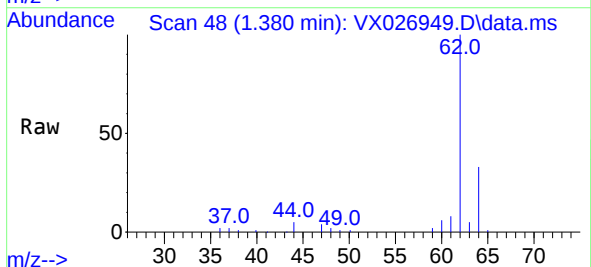
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

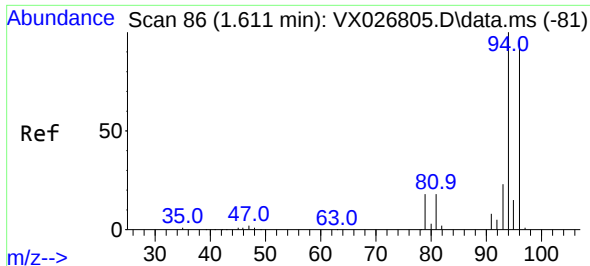
Tgt Ion:168 Resp: 125521
Ion Ratio Lower Upper
168 100
99 60.9 50.3 75.5



#4
Vinyl Chloride
Concen: 19.579 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 62 Resp: 26023
Ion Ratio Lower Upper
62 100
64 33.3 26.2 39.2

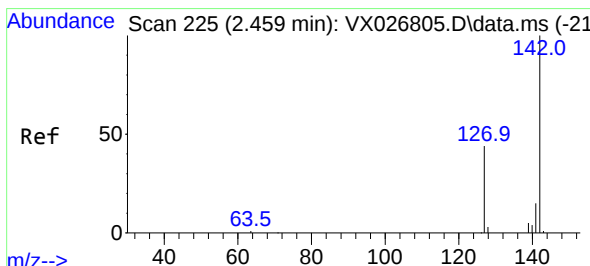
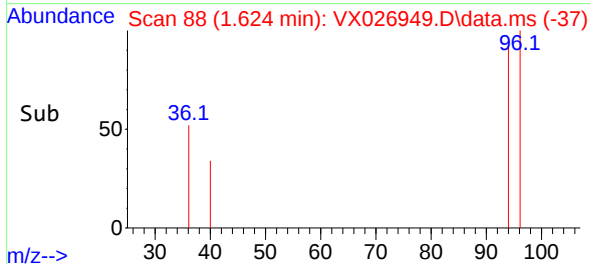
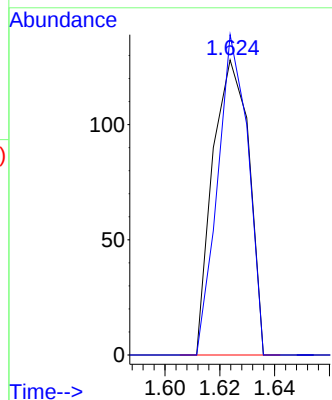
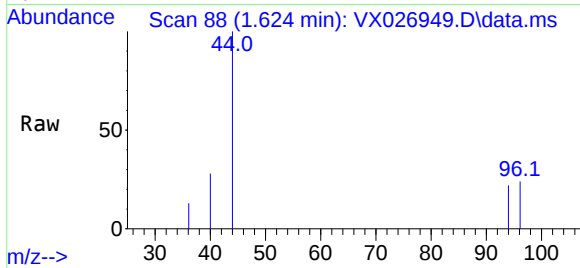




#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

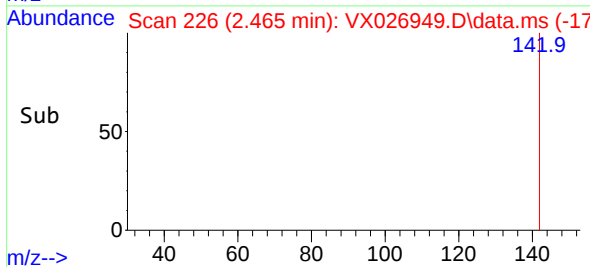
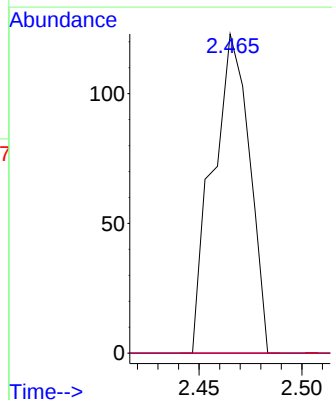
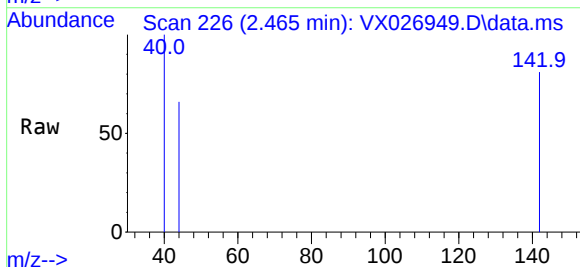
Instrument :
MSVOA_X
Client SampleId :
MW-23S

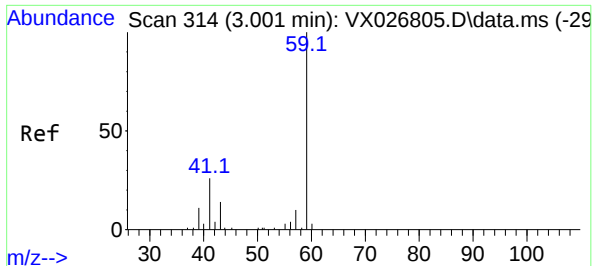
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 108.6 75.9 113.9



#10
Methyl Iodide
Concen: 2.337 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 142 Resp: 154
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 1.065 ug/l

RT: 3.099 min Scan# 314

Delta R.T. 0.098 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

Instrument :

MSVOA_X

ClientSampleId :

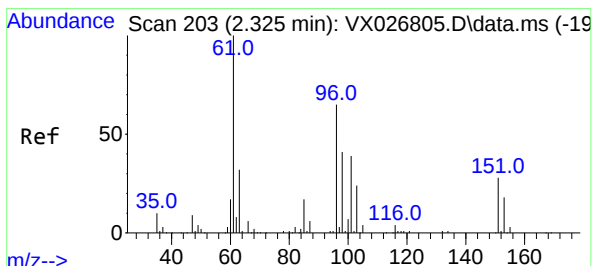
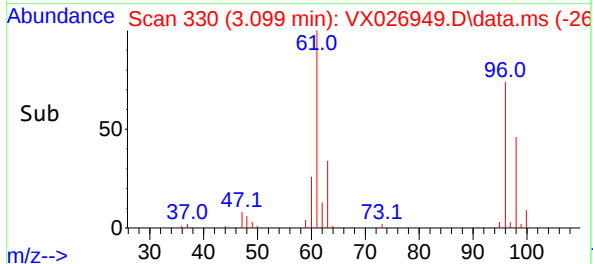
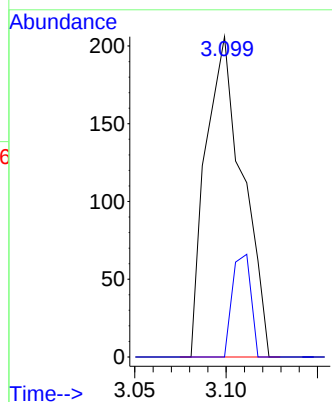
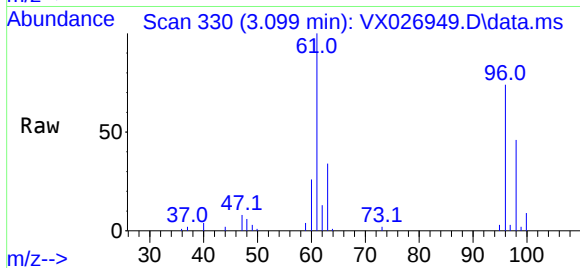
MW-23S

Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

59 100

57 15.9 7.2 10.8#



#12

1,1-Dichloroethene

Concen: 1.534 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

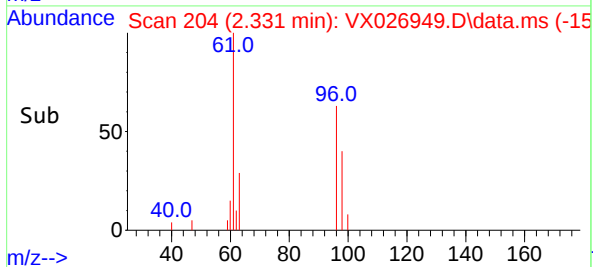
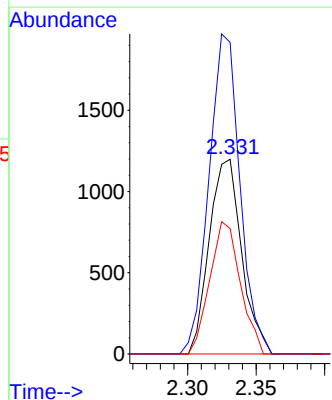
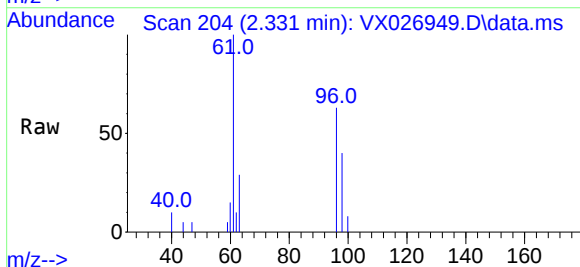
Tgt Ion: 96 Resp: 1971

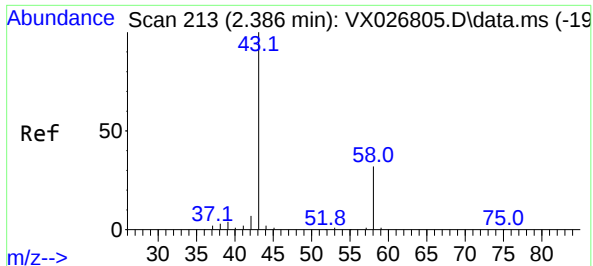
Ion Ratio Lower Upper

96 100

61 160.0 138.5 207.7

98 64.4 51.8 77.6

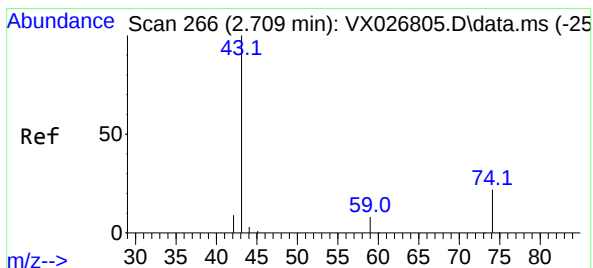
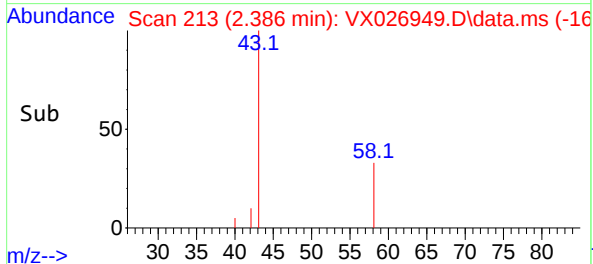
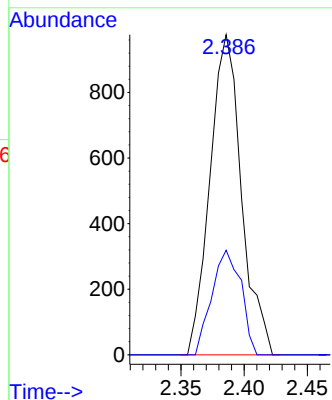
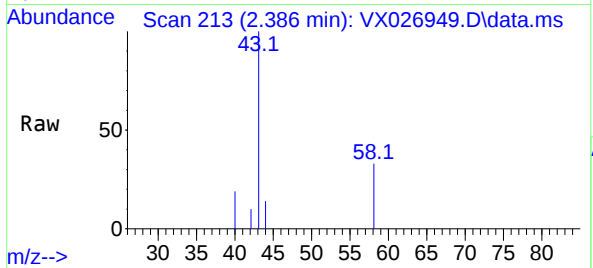




#16
Acetone
Concen: 2.552 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

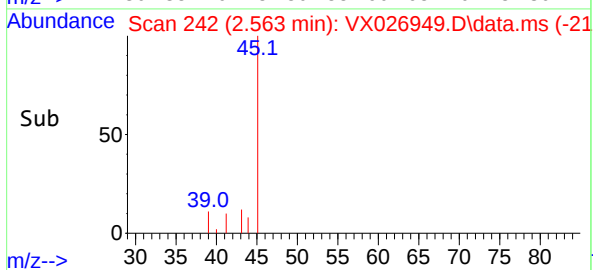
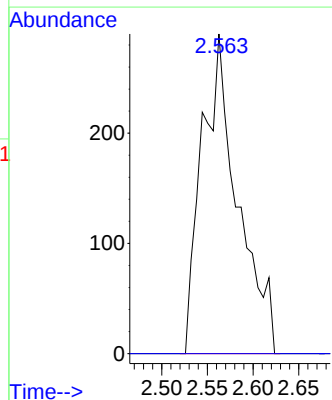
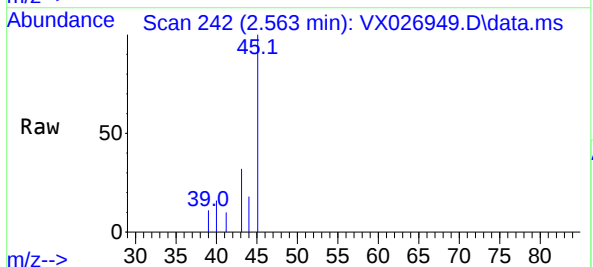
Instrument :
MSVOA_X
ClientSampleId :
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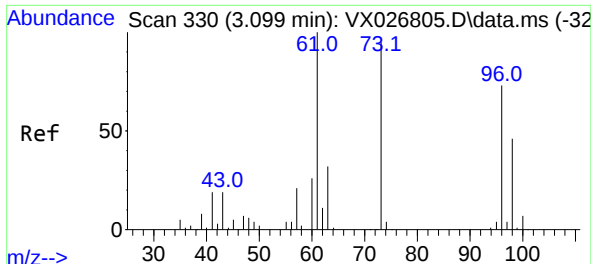
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 32.7 23.0 34.6



#18
Methyl Acetate
Concen: 0.416 ug/l
RT: 2.563 min Scan# 242
Delta R.T. -0.146 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

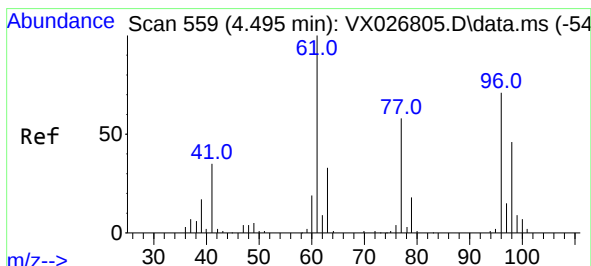
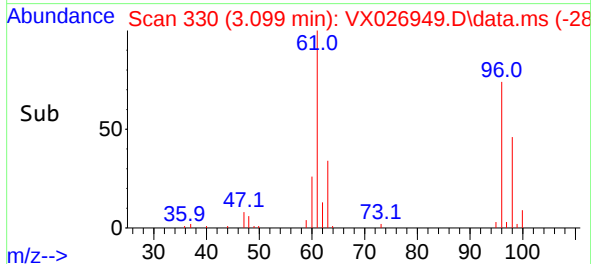
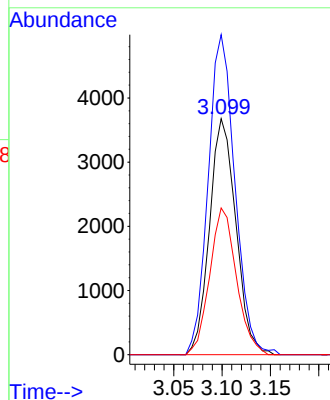
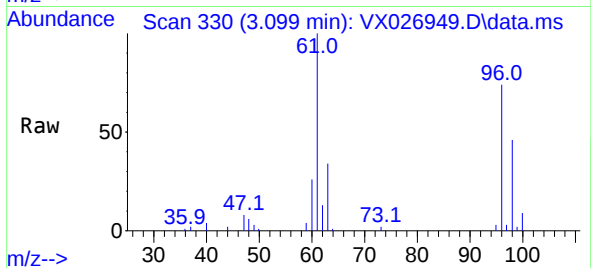




#21
trans-1,2-Dichloroethene
Concen: 5.164 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

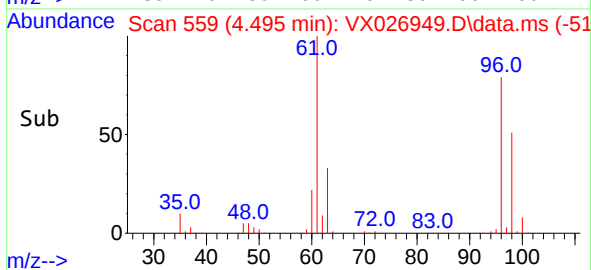
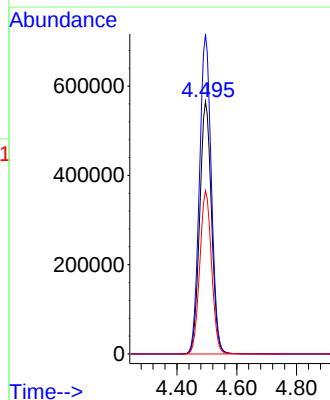
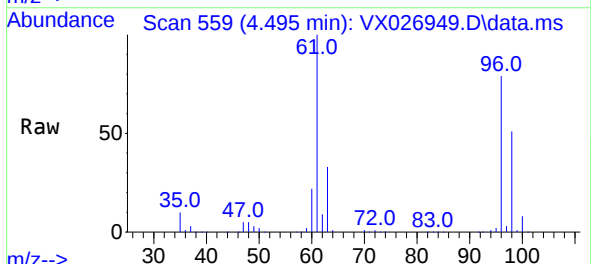
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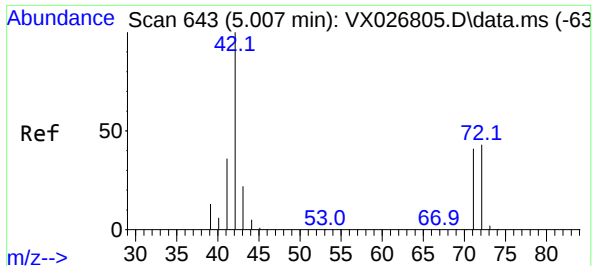
Tgt Ion: 96 Resp: 6981
Ion Ratio Lower Upper
96 100
61 135.6 112.9 169.3
98 62.2 49.5 74.3



#27
cis-1,2-Dichloroethene
Concen: 1000.075 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 96 Resp: 1552175
Ion Ratio Lower Upper
96 100
61 126.9 0.0 296.6
98 64.5 0.0 128.8





#29

Tetrahydrofuran

Concen: 3.507 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

Instrument :

MSVOA_X

ClientSampleId :

MW-23S

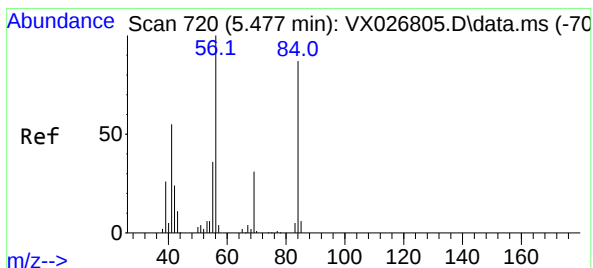
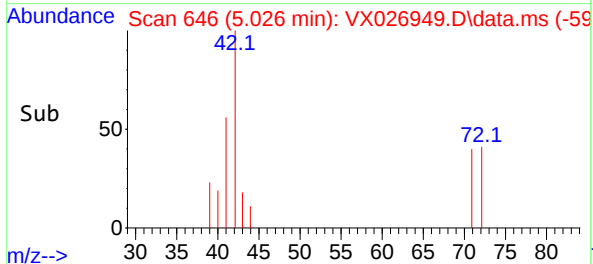
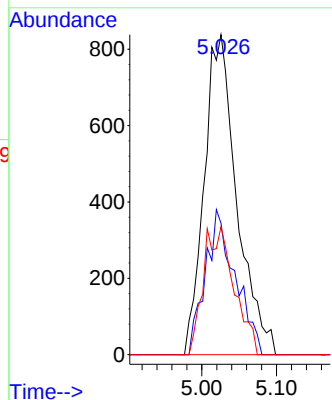
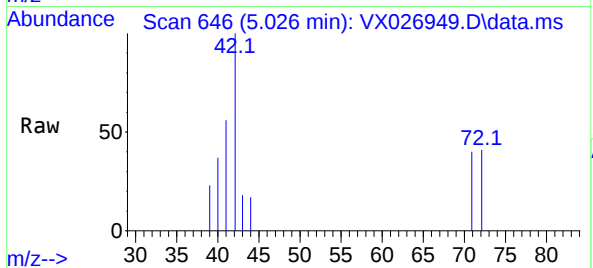
Tgt Ion: 42 Resp: 2542

Ion Ratio Lower Upper

42 100

72 41.5 34.6 52.0

71 37.4 31.8 47.8



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

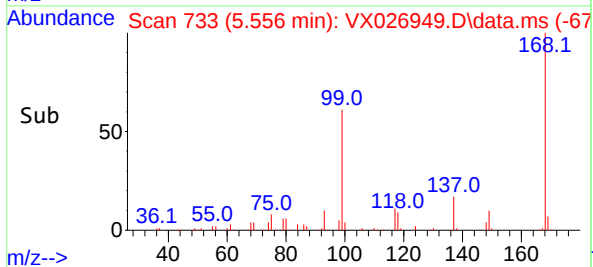
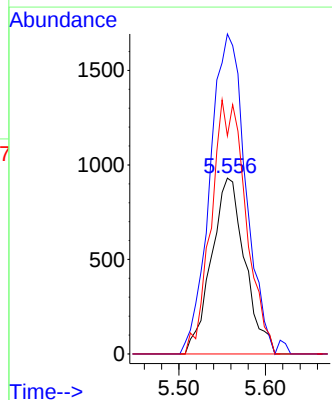
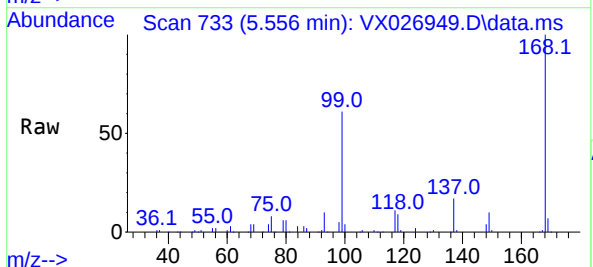
Tgt Ion: 56 Resp: 2500

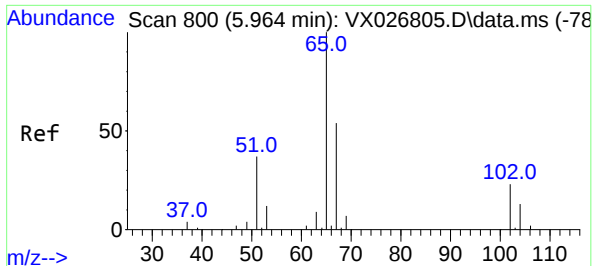
Ion Ratio Lower Upper

56 100

69 182.0 25.8 38.6#

84 124.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.045 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

Instrument :

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ClientSampleId :

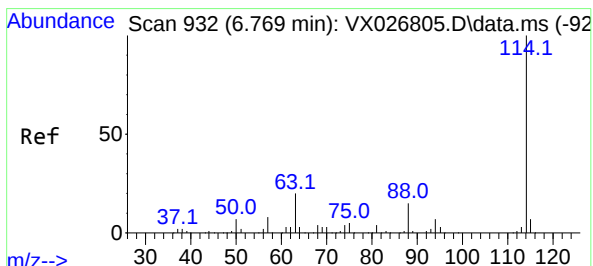
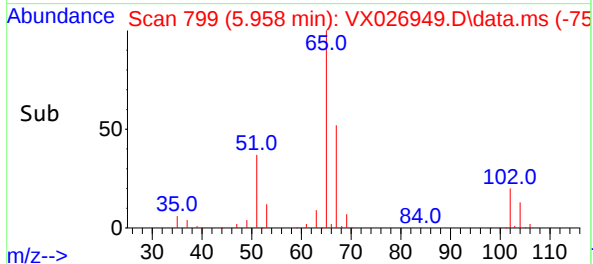
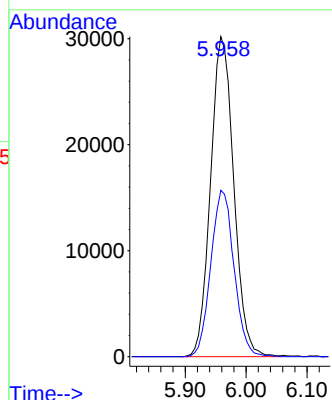
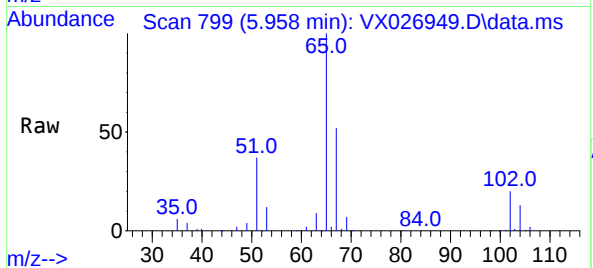
MW-23S

Tgt Ion: 65 Resp: 79926

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026949.D

Acq: 11 Feb 2022 03:31

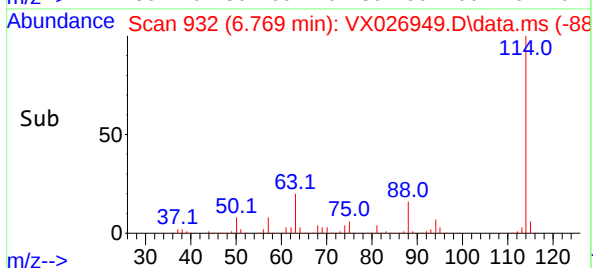
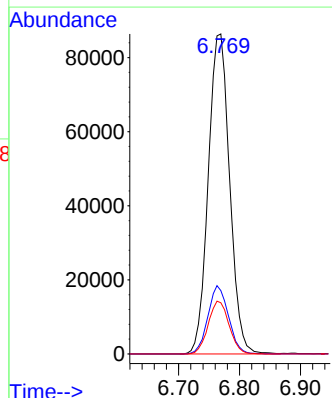
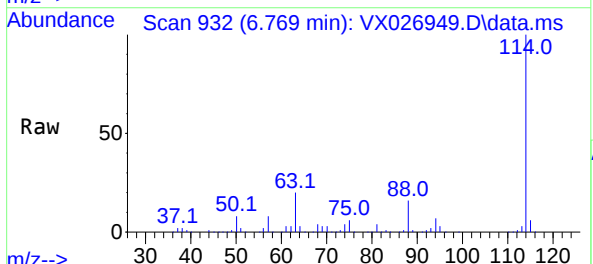
Tgt Ion: 114 Resp: 210626

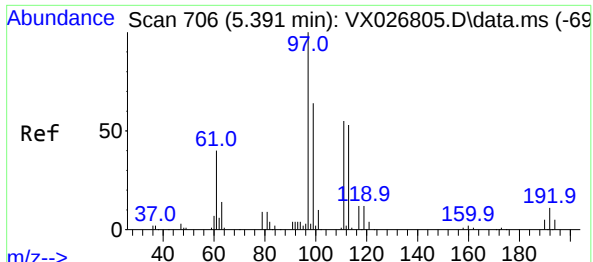
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 16.0 0.0 33.0

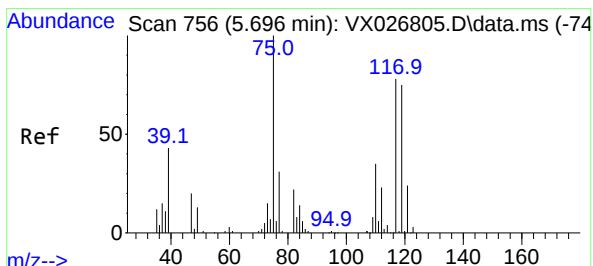
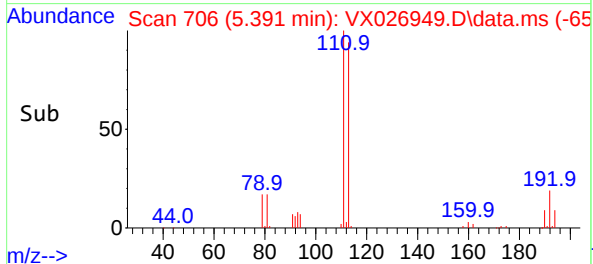
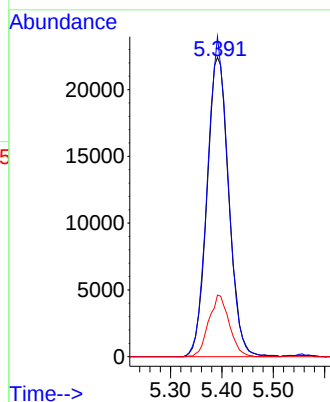
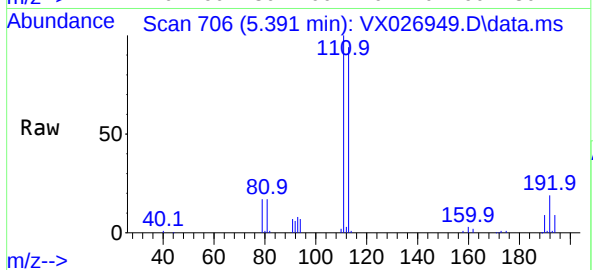




#35
Dibromofluoromethane
Concen: 52.532 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

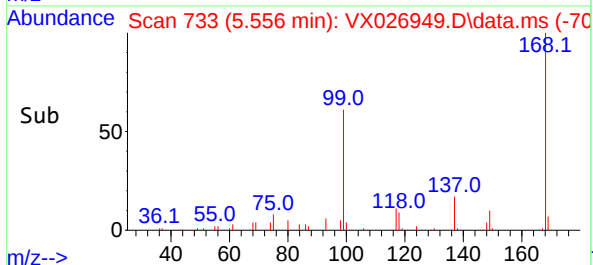
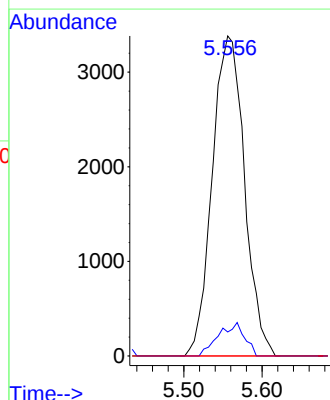
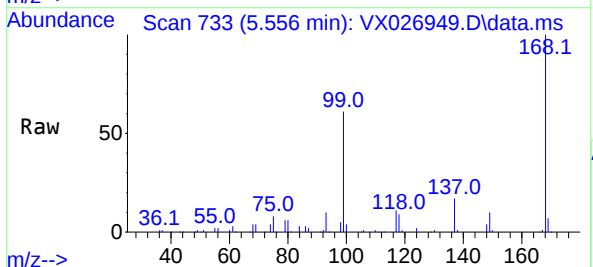
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

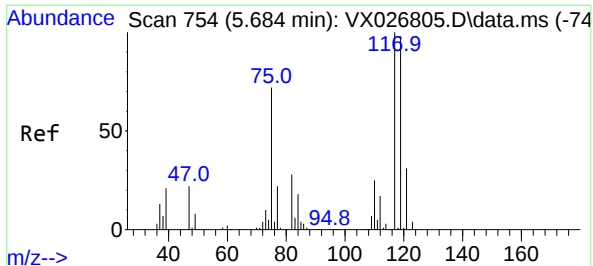
Tgt Ion:113 Resp: 65921
Ion Ratio Lower Upper
113 100
111 102.1 81.2 121.8
192 19.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 75 Resp: 9669
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.6#
77 0.0 24.6 36.8#

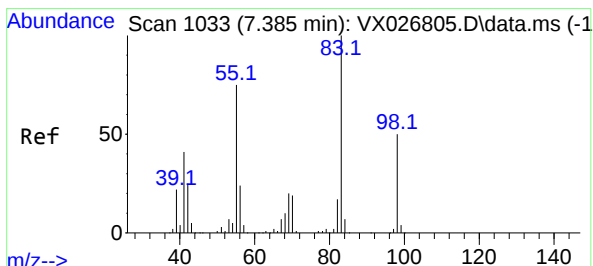
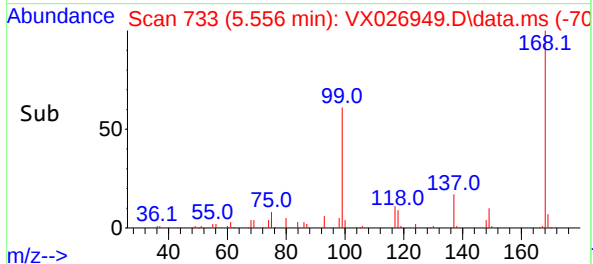
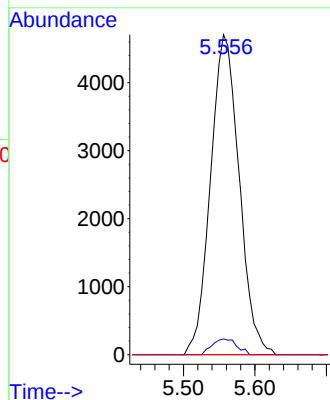
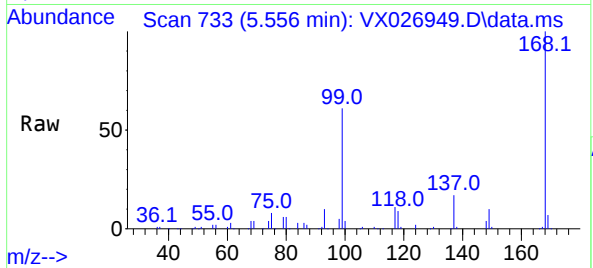




#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

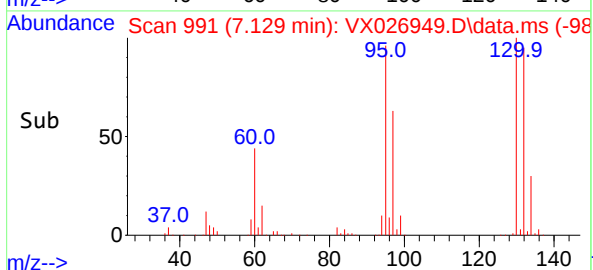
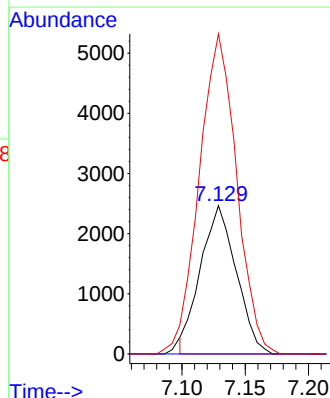
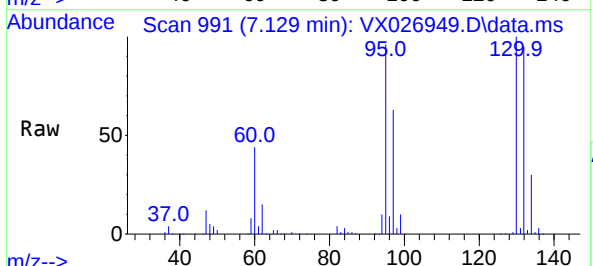
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

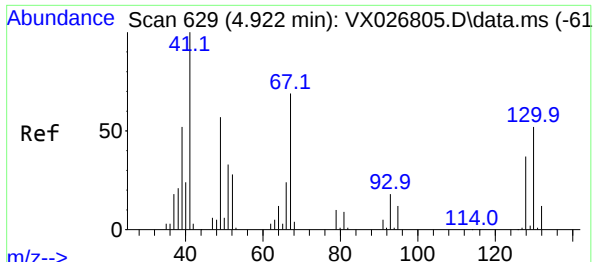
Tgt Ion:117 Resp: 13083
Ion Ratio Lower Upper
117 100
119 4.9 74.7 112.1#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 1.992 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 83 Resp: 4837
Ion Ratio Lower Upper
83 100
55 0.0 63.6 95.4#
98 215.7 38.4 57.6#

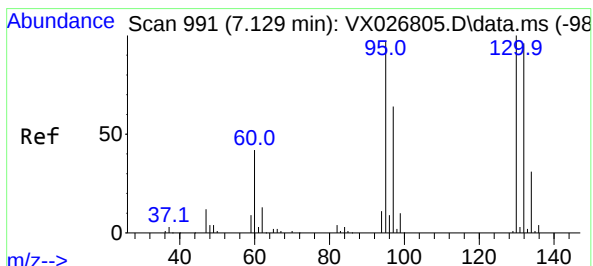
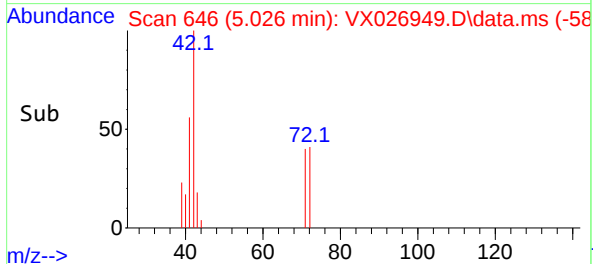
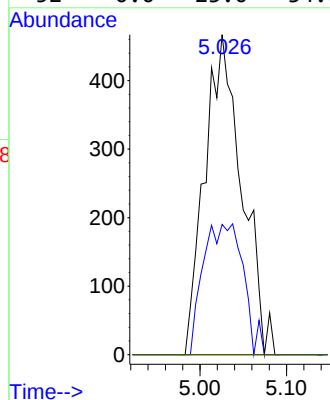
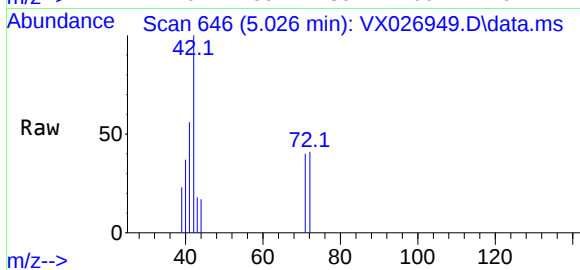




#41
Methacrylonitrile
Concen: 1.140 ug/l
RT: 5.026 min Scan# 641
Delta R.T. 0.104 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

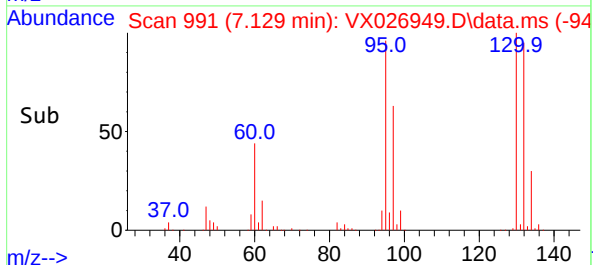
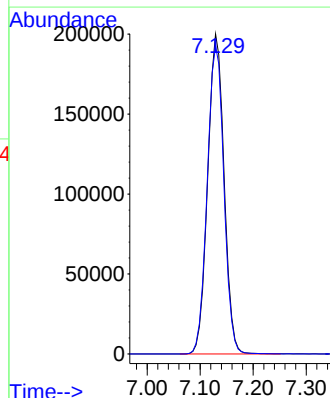
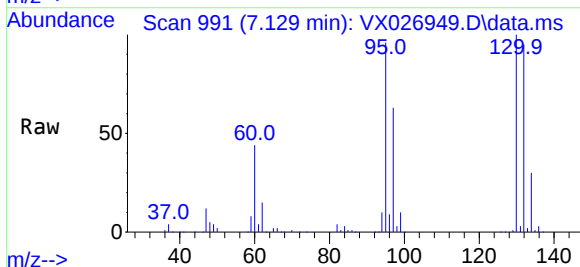
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

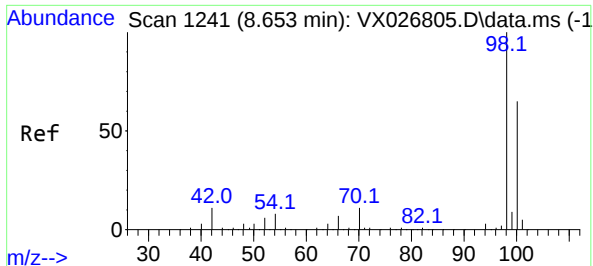
Tgt Ion:	41	Resp:	1390
Ion	Ratio	Lower	Upper
41	100		
39	44.1	45.4	68.0#
67	0.0	53.2	79.8#
52	0.0	23.0	34.6#



#44
Trichloroethene
Concen: 247.641 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion:	130	Resp:	429004
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	202.6

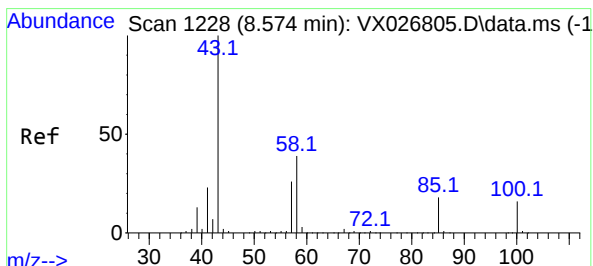
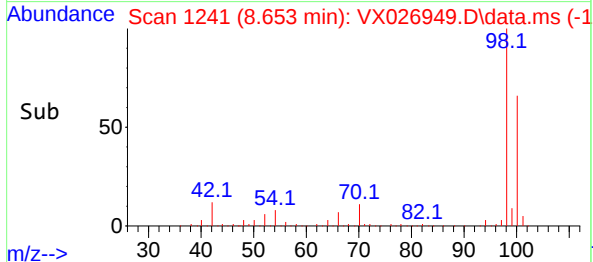
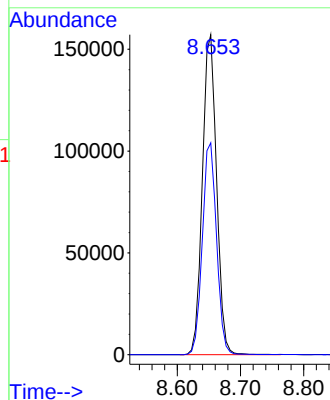
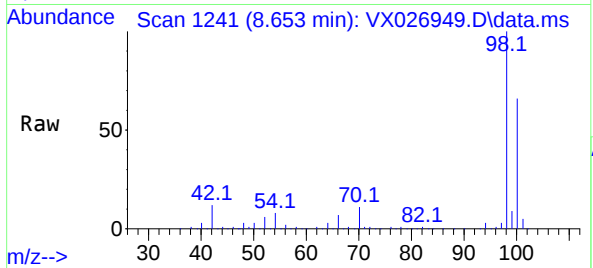




#50
Toluene-d8
Concen: 53.320 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

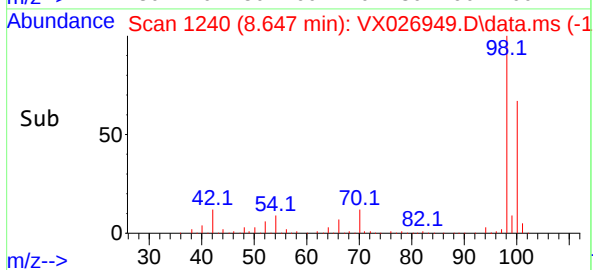
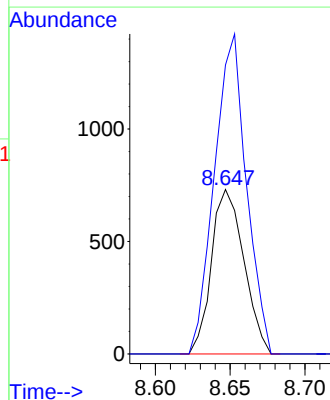
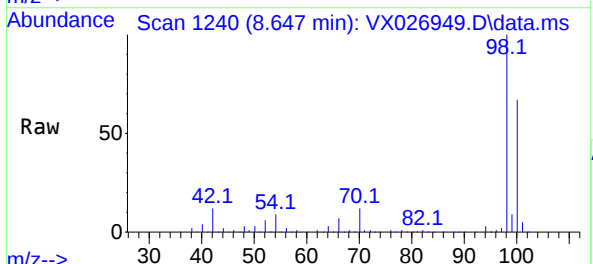
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

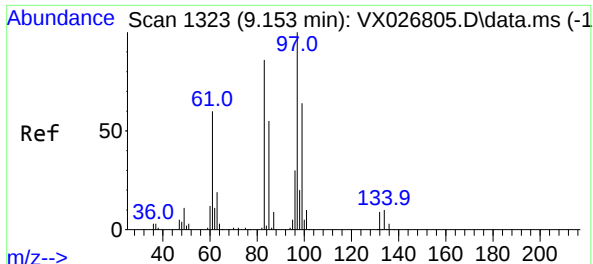
Tgt Ion: 98 Resp: 245606
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 0.526 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 191.8 30.5 45.7#

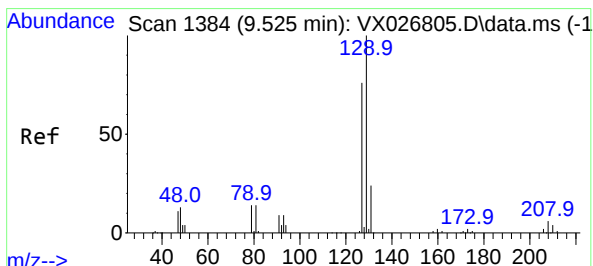
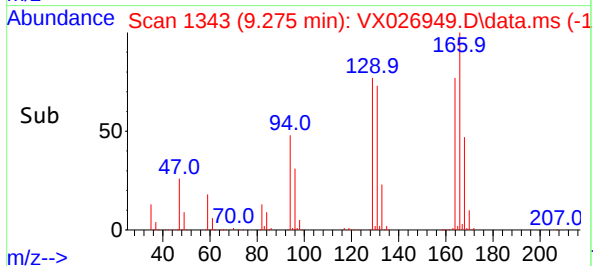
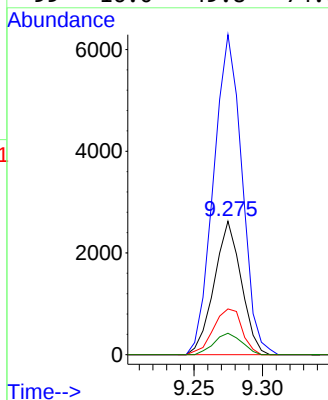
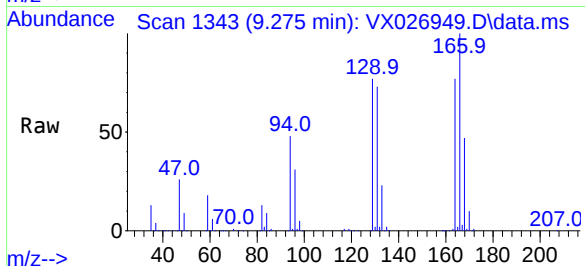




#55
1,1,2-Trichloroethane
Concen: 2.611 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

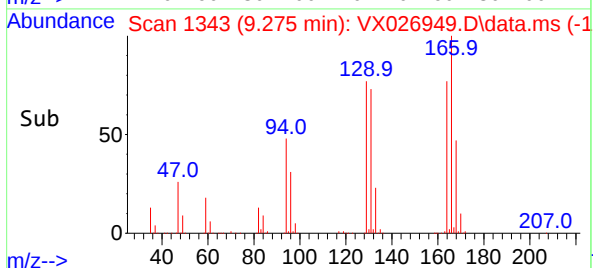
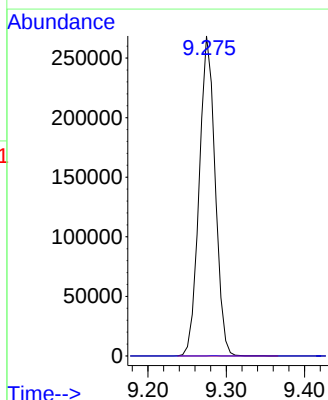
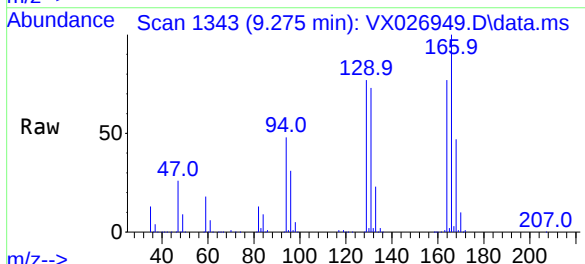
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

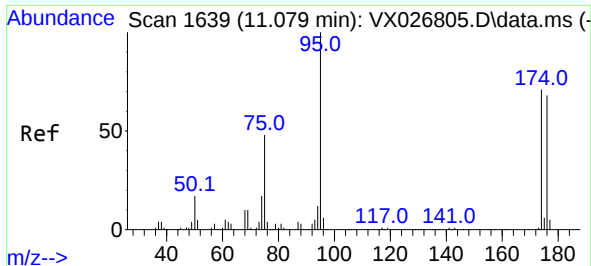
Tgt Ion: 97	Resp: 3611
Ion Ratio	Lower Upper
97 100	
83 239.7	68.4 102.6#
85 34.3	44.0 66.0#
99 16.0	49.8 74.6#



#60
Dibromochloromethane
Concen: 267.005 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 129	Resp: 379924
Ion Ratio	Lower Upper
129 100	
127 0.0	38.5 115.5#

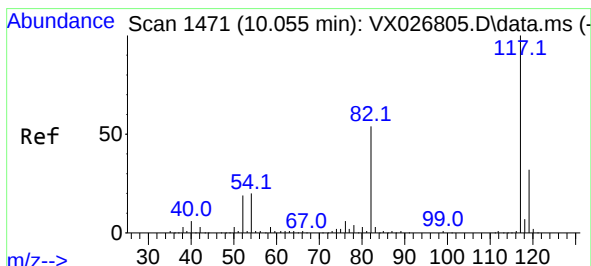
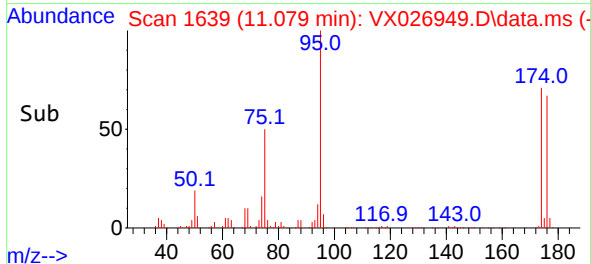
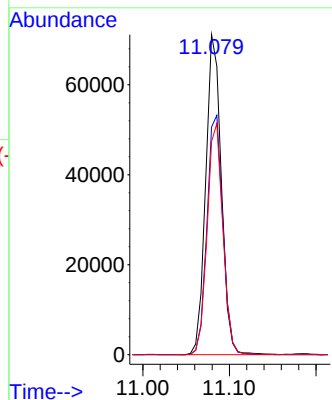
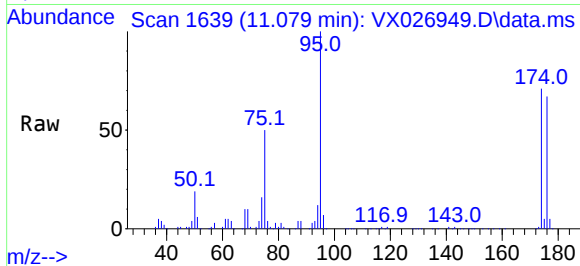




#62
4-Bromofluorobenzene
Concen: 54.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

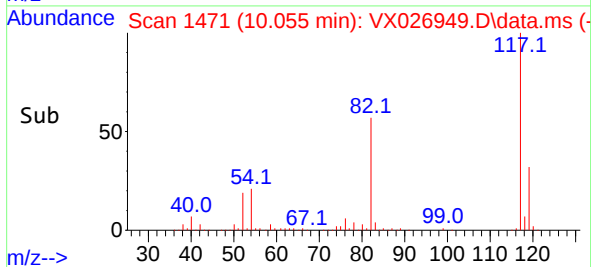
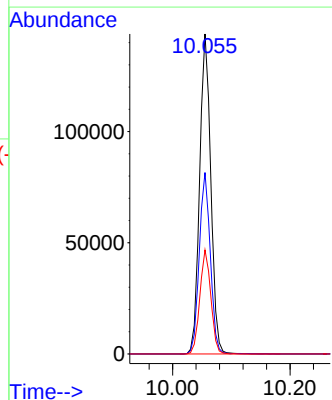
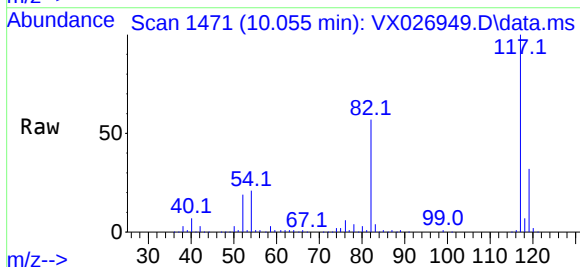
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

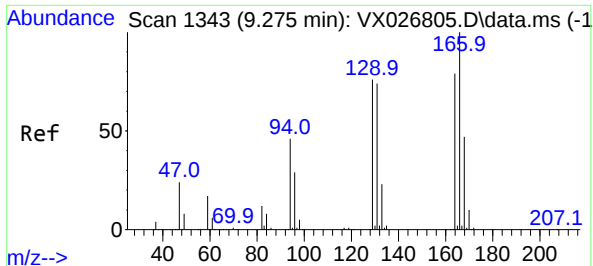
Tgt Ion: 95 Resp: 88929
Ion Ratio Lower Upper
95 100
174 76.5 0.0 148.6
176 72.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 117 Resp: 189879
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 32.5 26.2 39.2

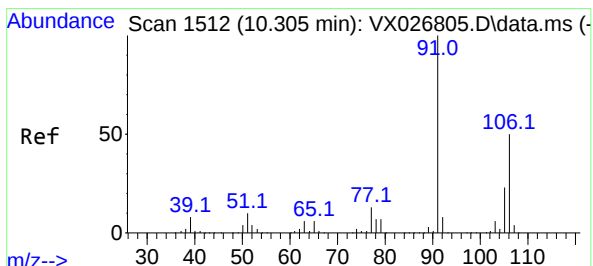
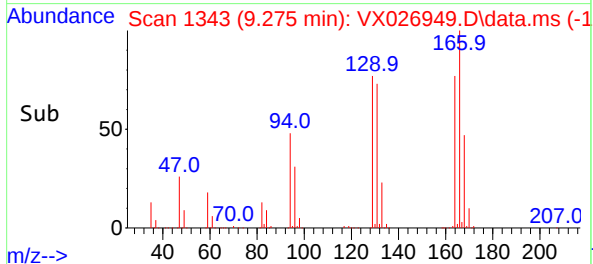
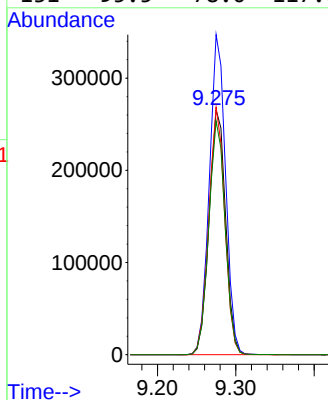
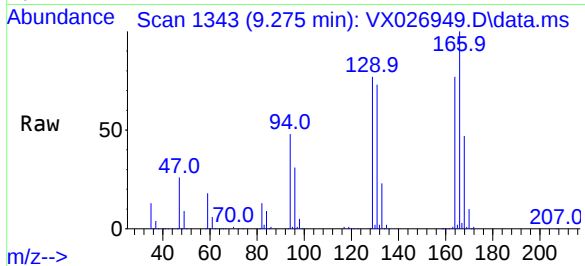




#64
Tetrachloroethene
Concen: 204.227 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

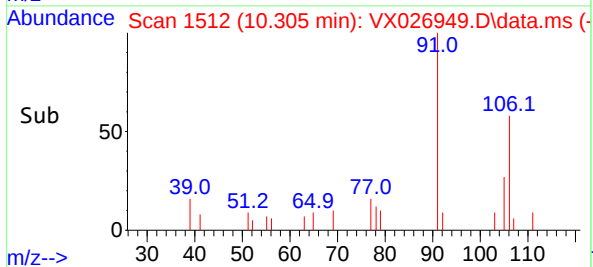
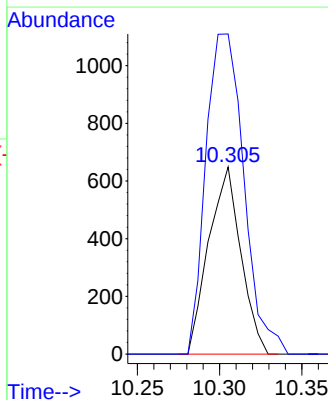
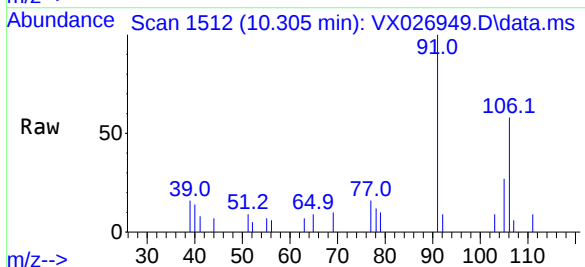
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

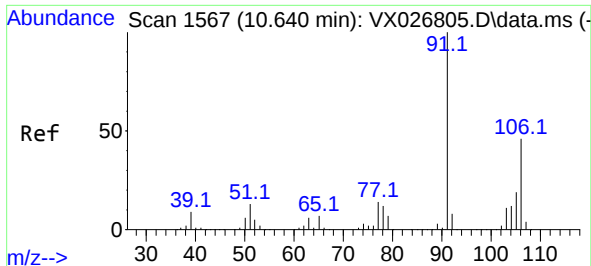
Tgt Ion:164 Resp: 389473
Ion Ratio Lower Upper
164 100
166 130.7 101.8 152.6
129 101.1 83.3 124.9
131 95.5 78.0 117.0



#68
m/p-Xylenes
Concen: 0.330 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion:106 Resp: 882
Ion Ratio Lower Upper
106 100
91 202.3 165.3 247.9

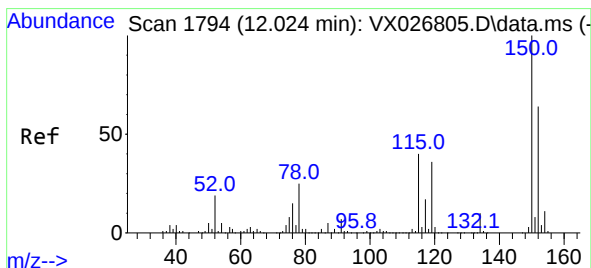
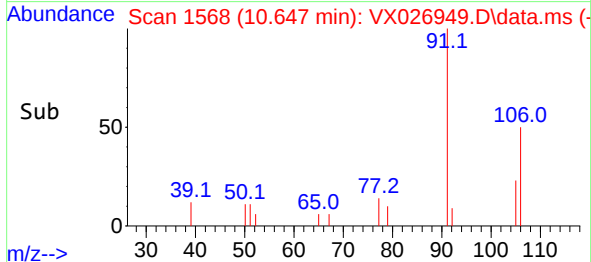
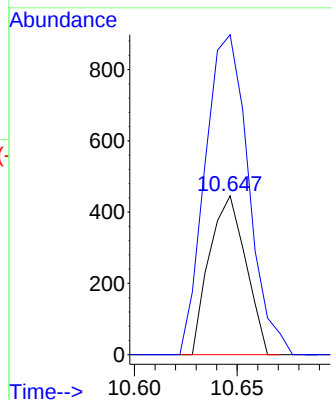
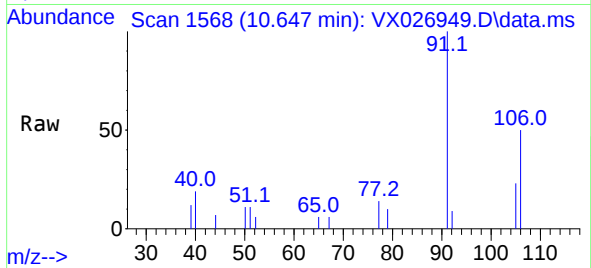




#69
o-Xylene
Concen: 0.209 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

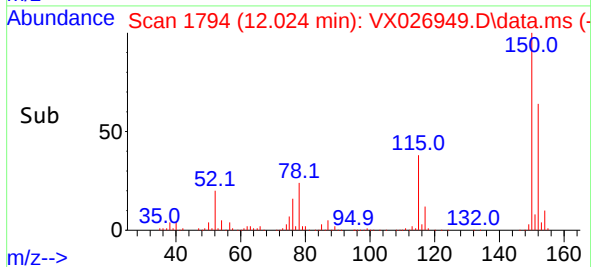
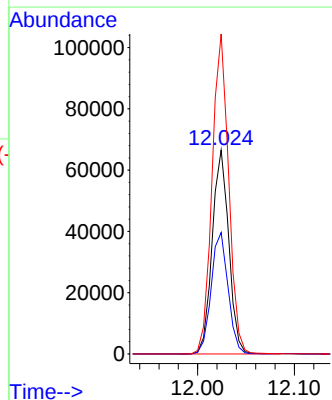
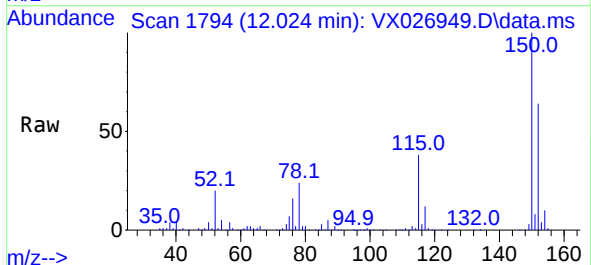
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

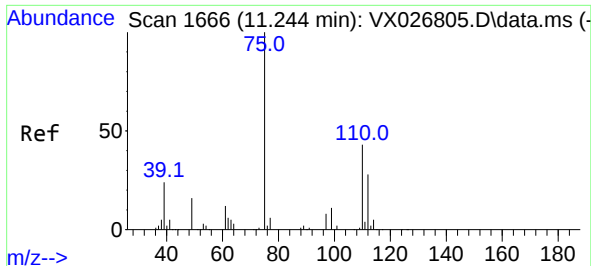
Tgt Ion:106 Resp: 548
Ion Ratio Lower Upper
106 100
91 240.7 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion:152 Resp: 79127
Ion Ratio Lower Upper
152 100
115 60.7 44.2 132.6
150 157.1 0.0 348.2

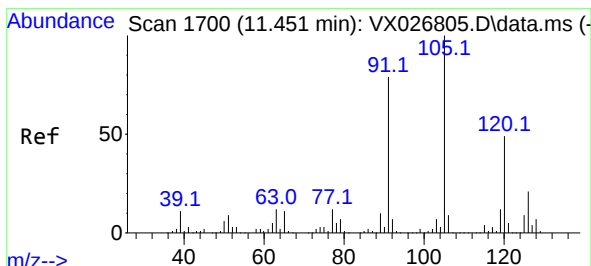
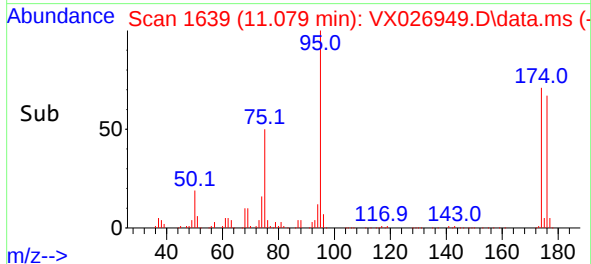
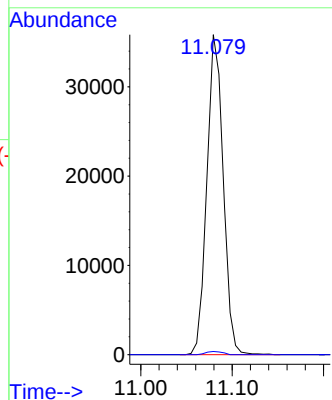
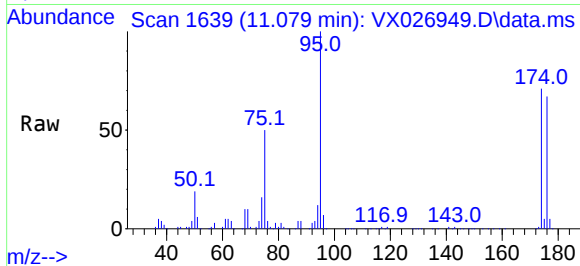




#76
1,2,3-Trichloropropane
Concen: 25.600 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.164 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

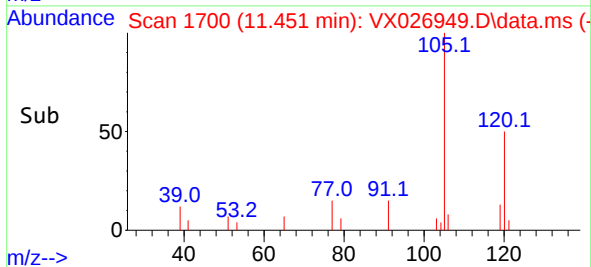
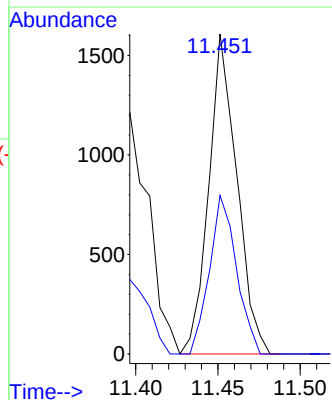
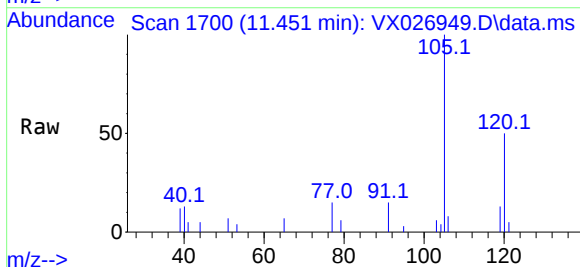
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

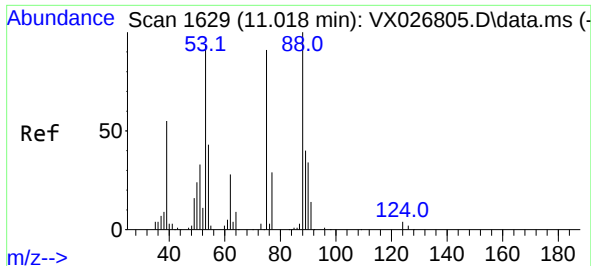
Tgt Ion: 75 Resp: 44343
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion:105 Resp: 1909
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0

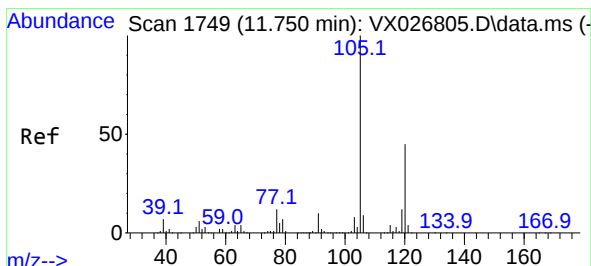
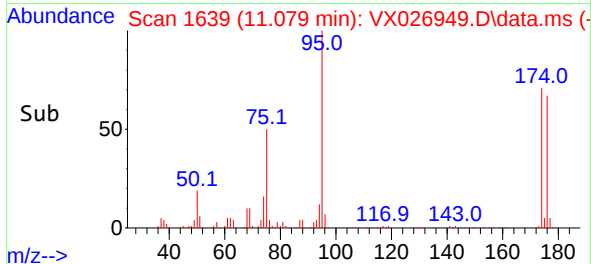
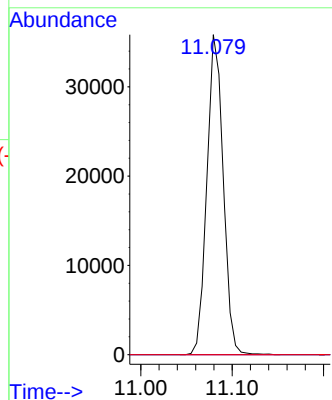
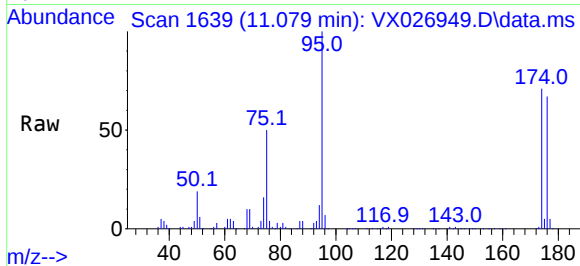




#81
trans-1,4-Dichloro-2-butene
Concen: 78.005 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

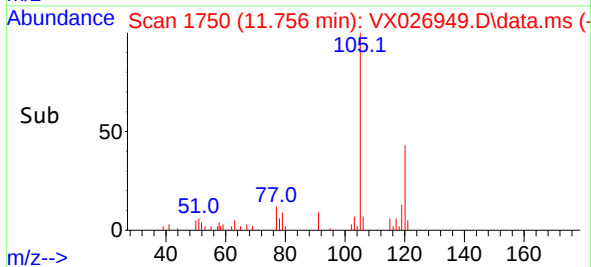
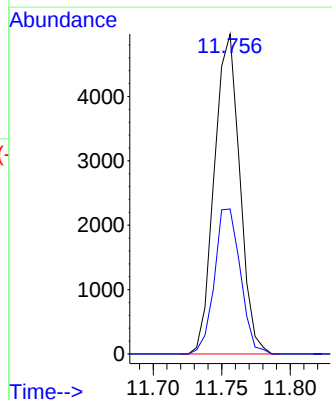
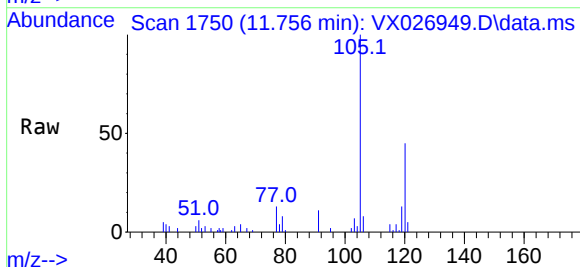
Instrument :
MSVOA_X
ClientSampleId :
MW-23S

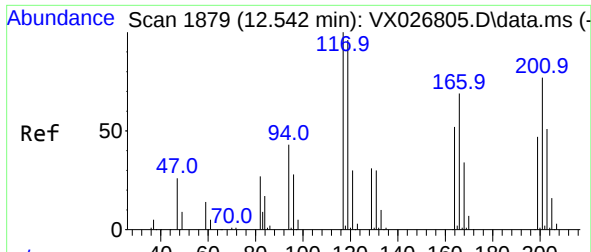
Tgt Ion: 75 Resp: 44343
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.240 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Tgt Ion: 105 Resp: 6416
Ion Ratio Lower Upper
105 100
120 46.3 21.9 65.5





#90
Hexachloroethane
Concen: 0.258 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX026949.D
Acq: 11 Feb 2022 03:31

Instrument :
MSVOA_X
ClientSampleId :
MW-23S

Tgt Ion:117 Resp: 196
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#

