

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026168.D
 Acq On : 30 Dec 2021 15:13
 Operator : JC/MD
 Sample : M5207-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3D-122021

Quant Time: Dec 31 07:08:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

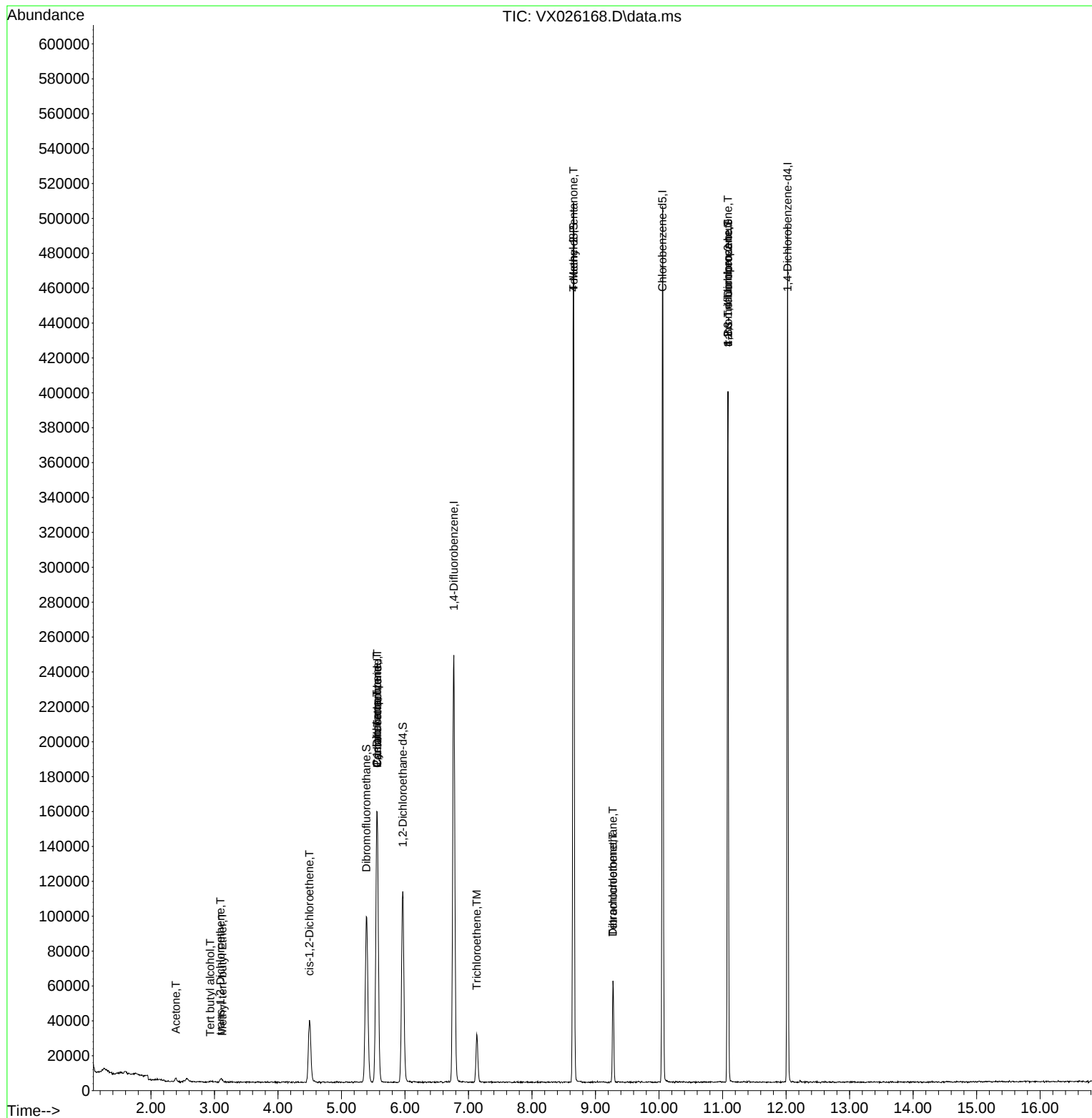
Internal Standards						
1) Pentafluorobenzene	5.562	168	139968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103947	51.334	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.660%	
35) Dibromofluoromethane	5.391	113	80584	51.764	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.520%	
50) Toluene-d8	8.653	98	279926	48.342	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.680%	
62) 4-Bromofluorobenzene	11.085	95	96305	46.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.440%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.934	59	436	1.078	ug/l #	73
16) Acetone	2.392	43	2889	2.633	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	1241	0.229	ug/l #	85
20) Methylene Chloride	2.788	84	82	Below Cal	#	40
21) trans-1,2-Dichloroethene	3.093	96	762	0.451	ug/l #	79
27) cis-1,2-Dichloroethene	4.495	96	22544	11.720	ug/l	93
31) Cyclohexane	5.556	56	3753	1.301	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	12119	4.827	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14761	5.285	ug/l #	15
44) Trichloroethene	7.129	130	9640	4.999	ug/l	90
51) 4-Methyl-2-Pentanone	8.653	43	1679	0.569	ug/l #	1
60) Dibromochloromethane	9.275	129	10115	4.925	ug/l #	11
64) Tetrachloroethene	9.275	164	10446	5.948	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	52667	24.240	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52667	70.128	ug/l #	10

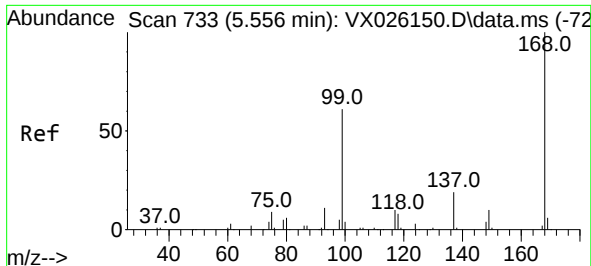
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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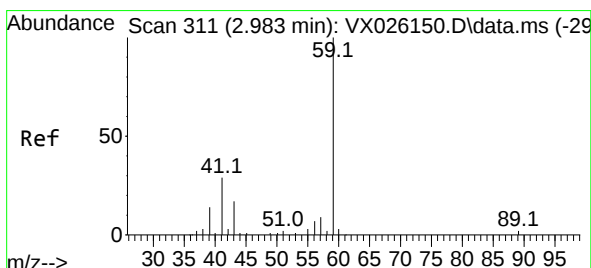
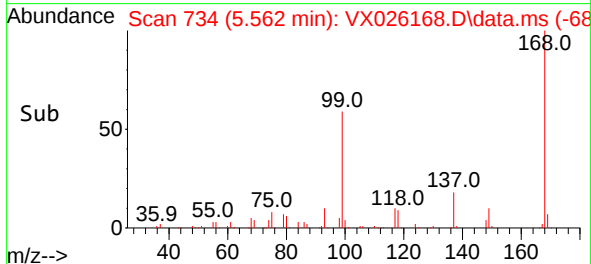
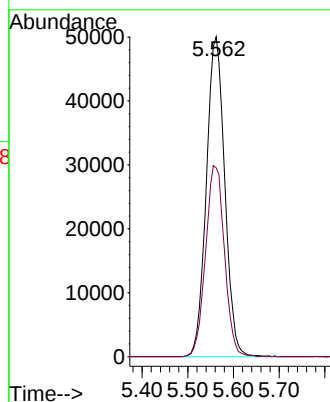
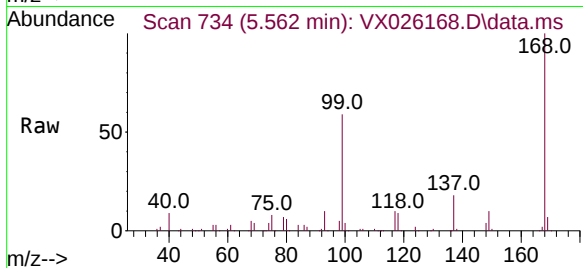




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

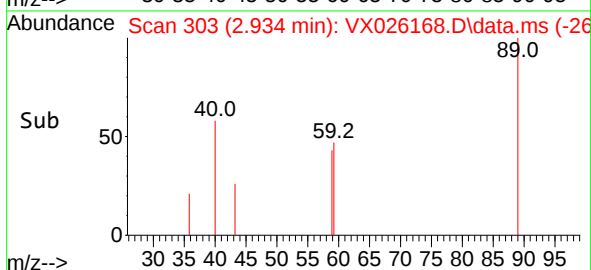
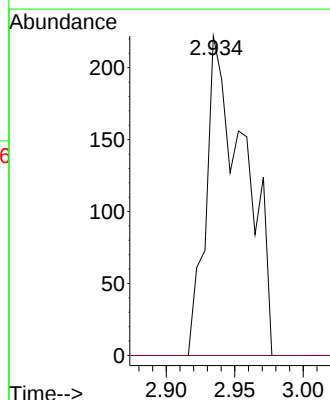
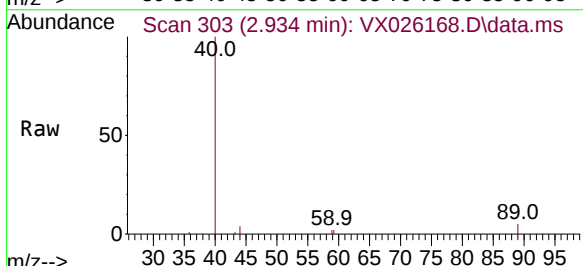
Instrument :
MSVOA_X
ClientSampleId :
MW-3D-122021

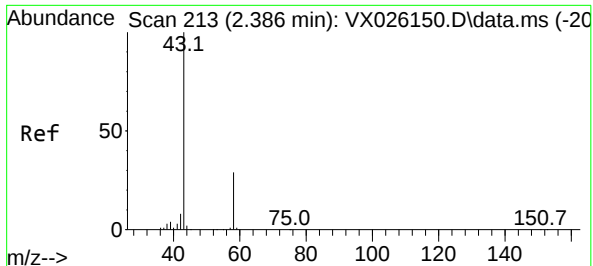
Tgt Ion:168 Resp: 139968
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.8



#11
Tert butyl alcohol
Concen: 1.078 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

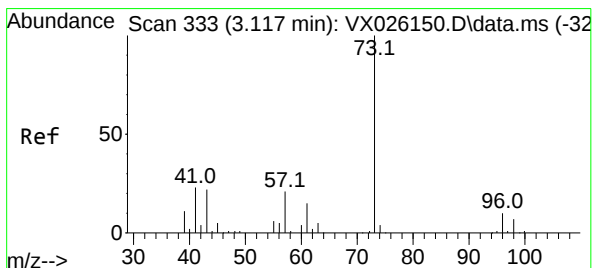
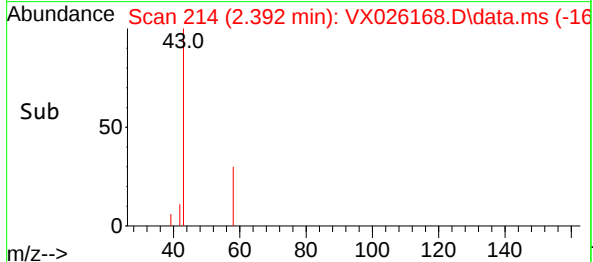
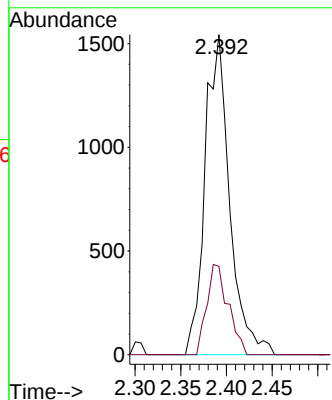
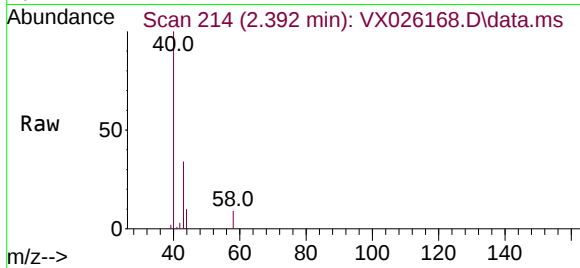




#16
Acetone
Concen: 2.633 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

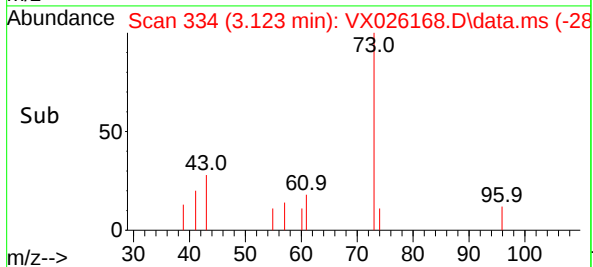
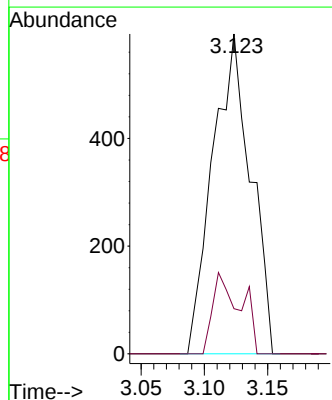
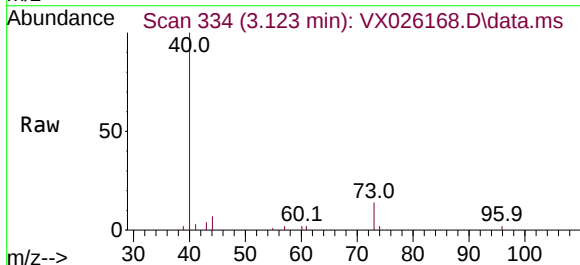
Instrument :
MSVOA_X
ClientSampleId :
MW-3D-122021

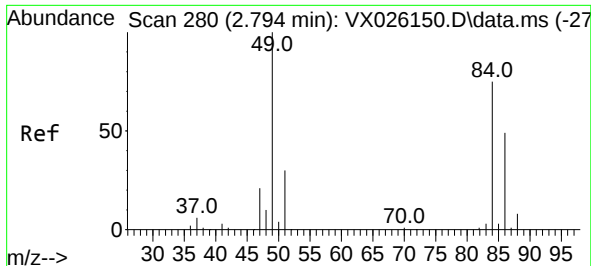
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 27.6 24.8 37.2



#19
Methyl tert-butyl Ether
Concen: 0.229 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion: 73 Resp: 1241
Ion Ratio Lower Upper
73 100
57 14.1 17.0 25.6#

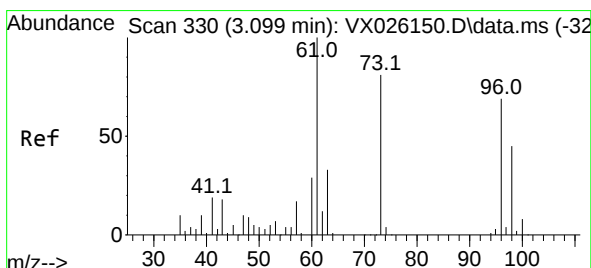
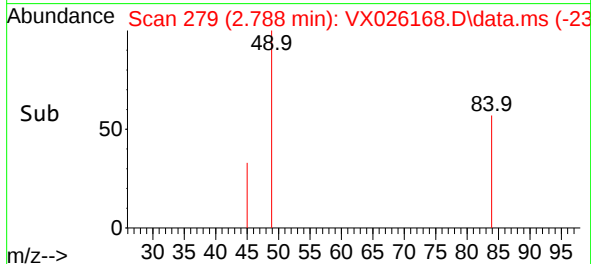
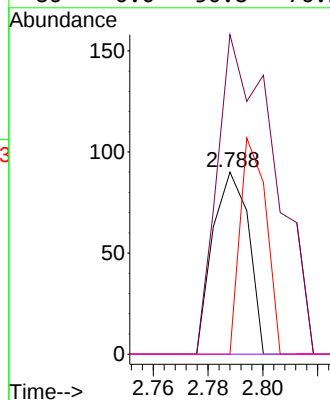
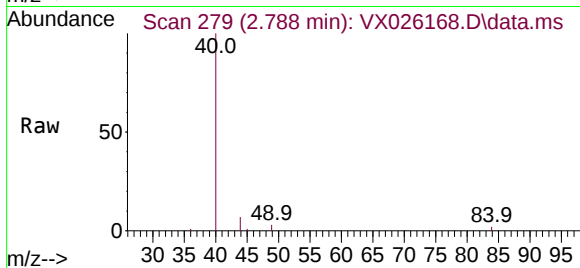




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

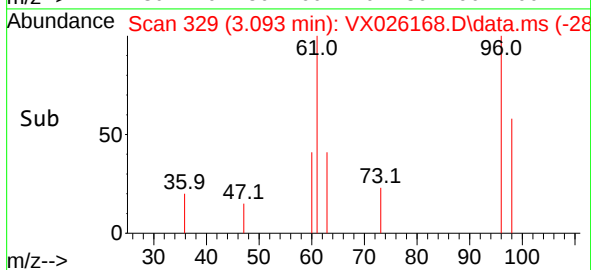
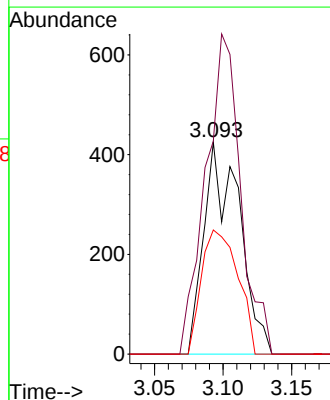
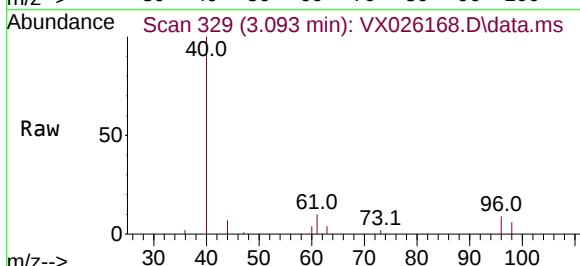
Instrument :
MSVOA_X
ClientSampleId :
MW-3D-122021

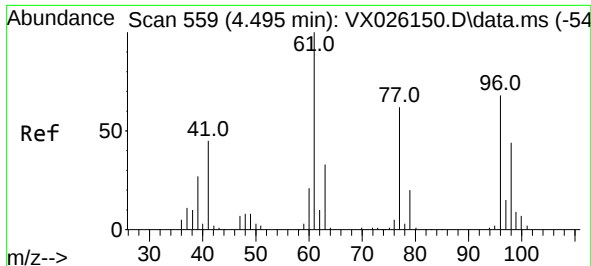
Tgt Ion:	84	Resp:	82
Ion	Ratio	Lower	Upper
84	100		
49	175.6	97.1	145.7#
51	0.0	29.3	43.9#
86	0.0	50.8	76.2#



#21
trans-1,2-Dichloroethene
Concen: 0.451 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.006 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion:	96	Resp:	762
Ion	Ratio	Lower	Upper
96	100		
61	100.5	105.7	158.5#
98	58.6	52.1	78.1





#27

cis-1,2-Dichloroethene

Concen: 11.720 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

Instrument :

MSVOA_X

ClientSampleId :

MW-3D-122021

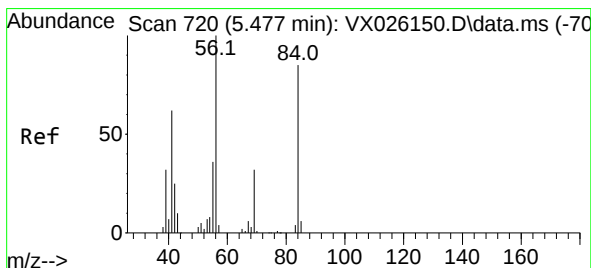
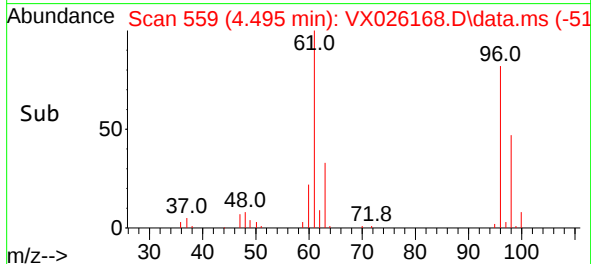
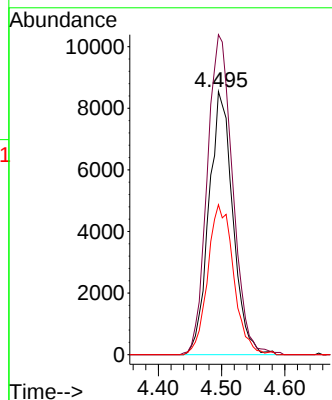
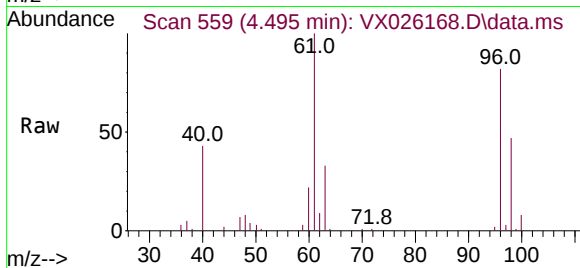
Tgt Ion: 96 Resp: 22544

Ion Ratio Lower Upper

96 100

61 129.2 0.0 276.8

98 61.5 0.0 130.6



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

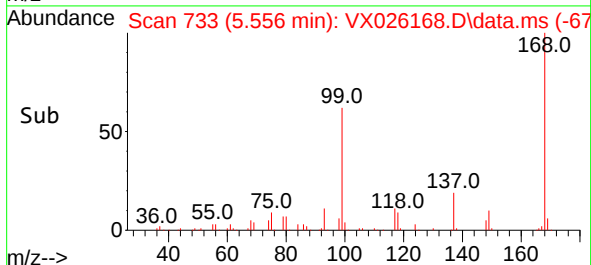
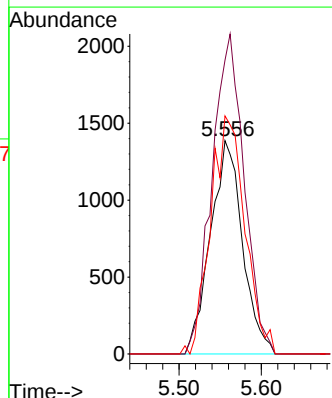
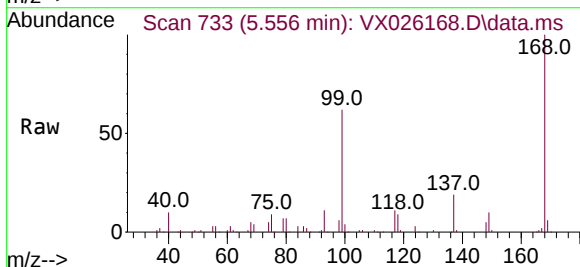
Tgt Ion: 56 Resp: 3753

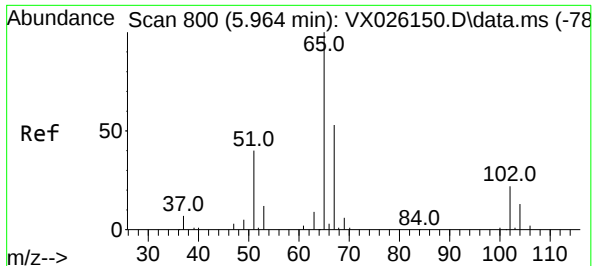
Ion Ratio Lower Upper

56 100

69 137.7 23.9 35.9#

84 111.6 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 51.334 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

Instrument :

MSVOA_X

ClientSampleId :

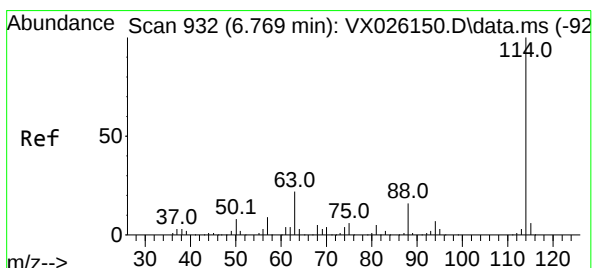
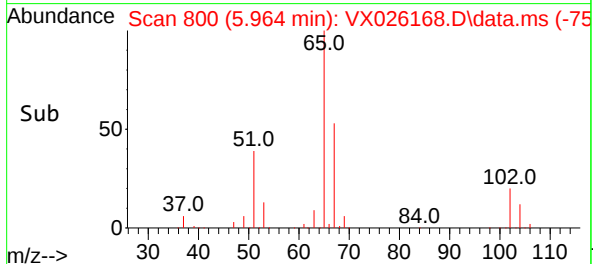
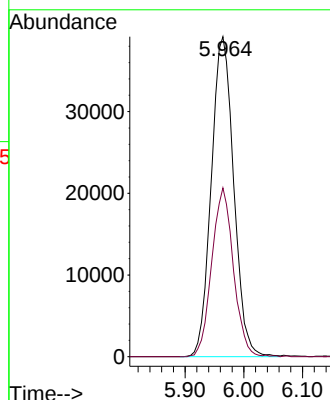
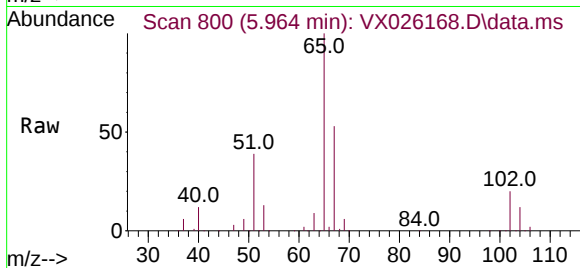
MW-3D-122021

Tgt Ion: 65 Resp: 103947

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

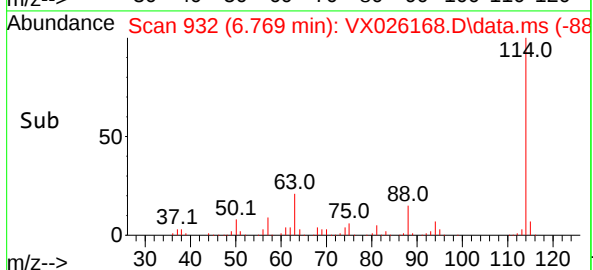
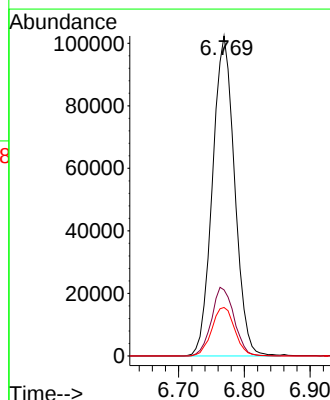
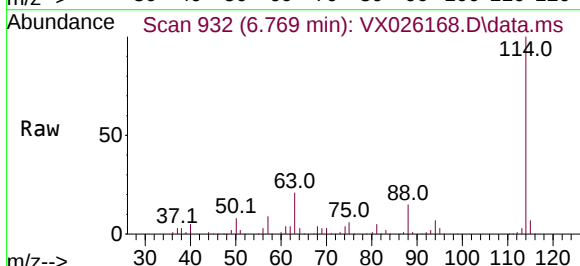
Tgt Ion: 114 Resp: 239453

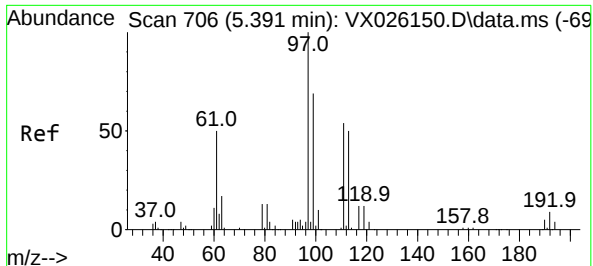
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.764 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

Instrument :

MSVOA_X

ClientSampleId :

MW-3D-122021

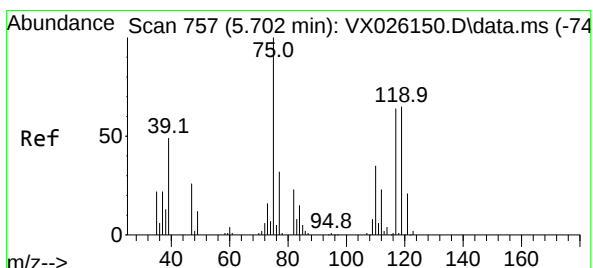
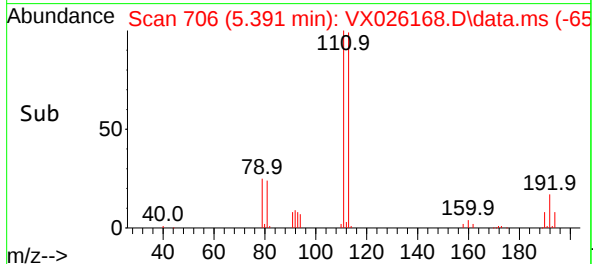
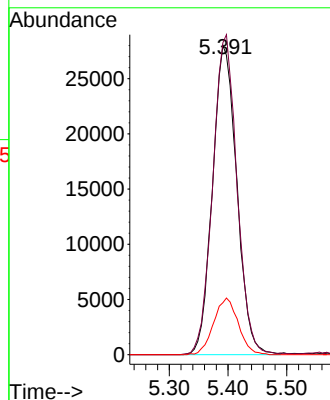
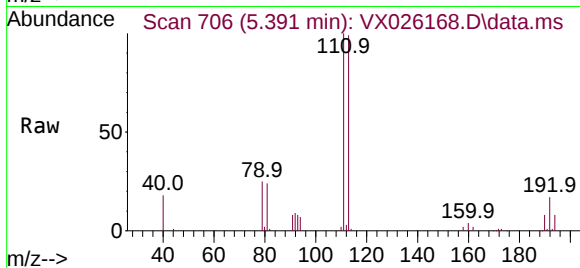
Tgt Ion:113 Resp: 80584

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

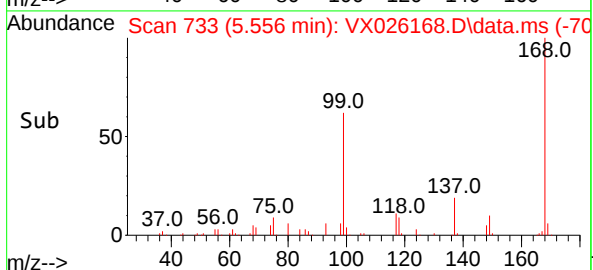
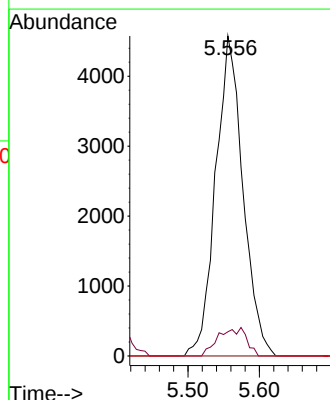
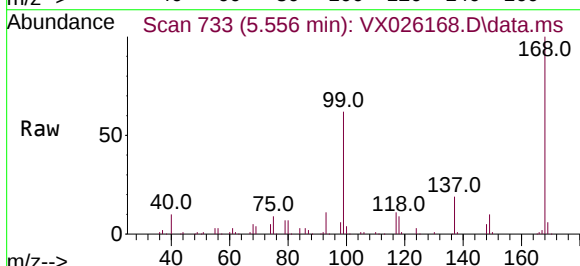
Tgt Ion: 75 Resp: 12119

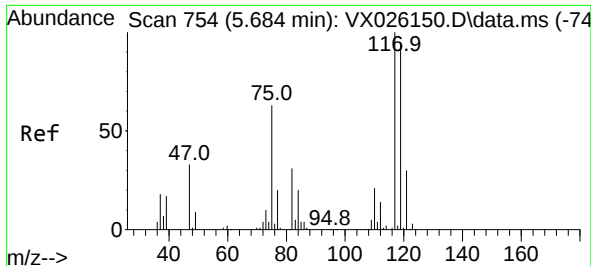
Ion Ratio Lower Upper

75 100

110 9.1 18.2 54.6#

77 0.0 24.7 37.1#

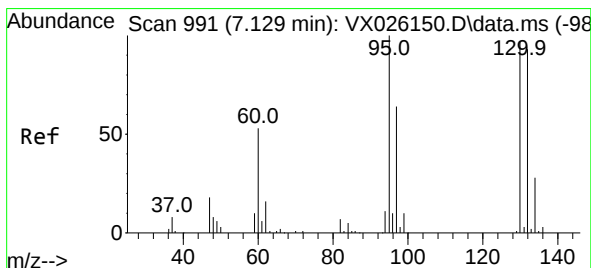
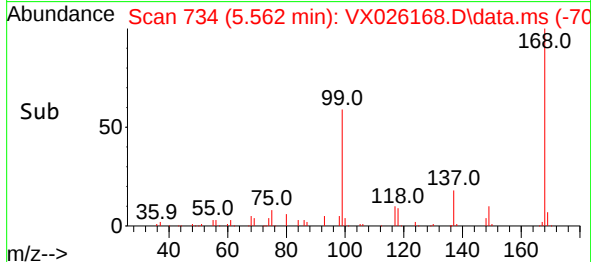
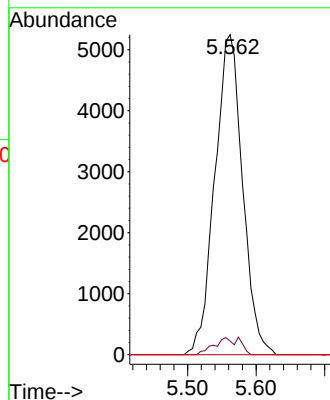
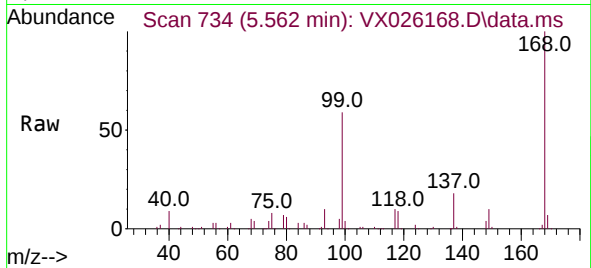




#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

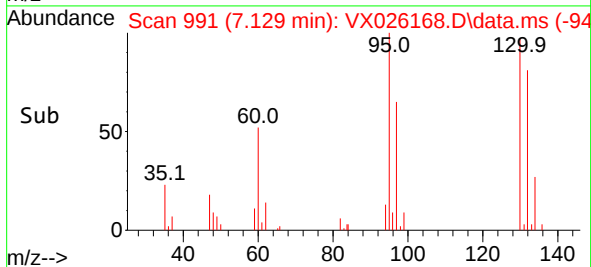
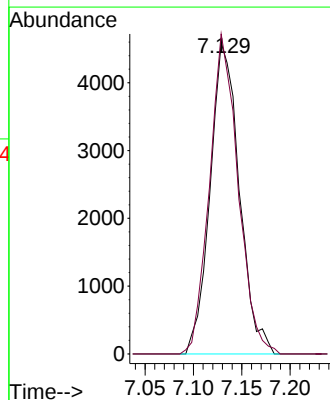
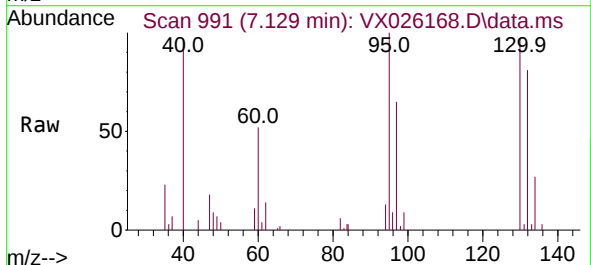
Instrument :
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MW-3D-122021

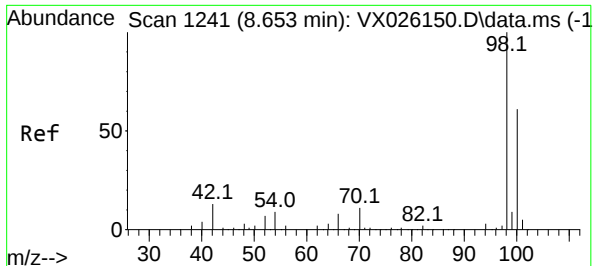
Tgt Ion:117 Resp: 14761
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 4.999 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion:130 Resp: 9640
Ion Ratio Lower Upper
130 100
95 102.8 0.0 186.4





#50

Toluene-d8

Concen: 48.342 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026168.D

Acq: 30 Dec 2021 15:13

Instrument :

MSVOA_X

ClientSampleId :

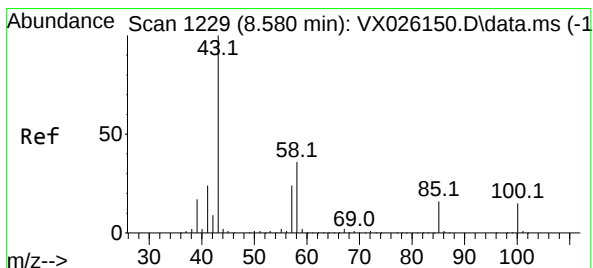
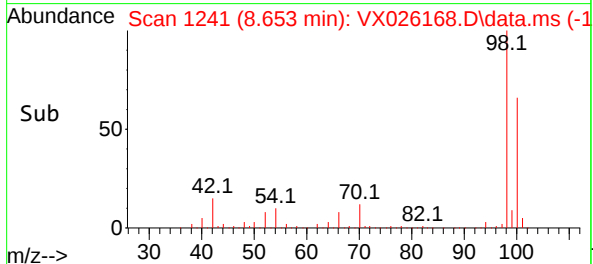
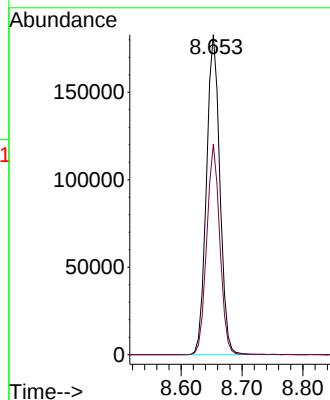
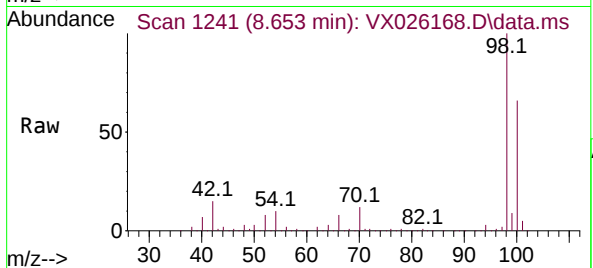
MW-3D-122021

Tgt Ion: 98 Resp: 279926

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.569 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX026168.D

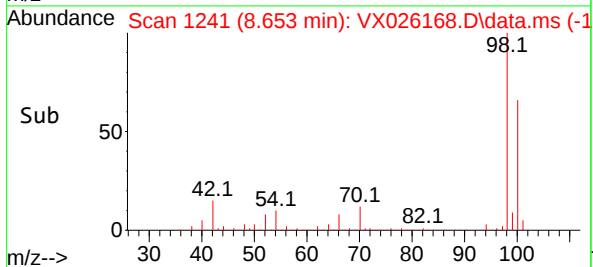
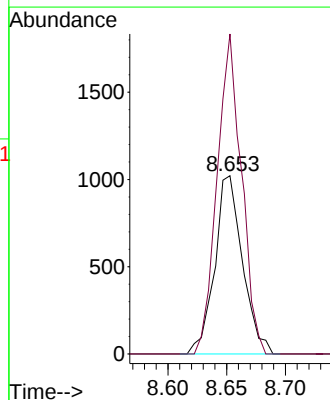
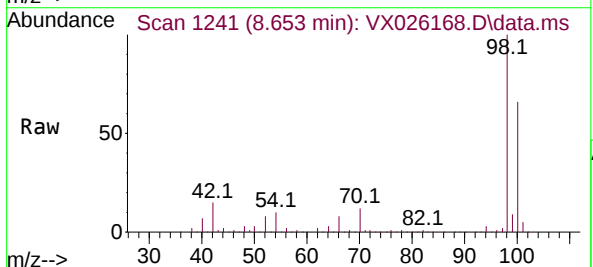
Acq: 30 Dec 2021 15:13

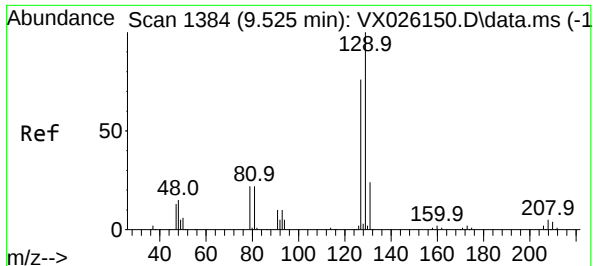
Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

58 158.1 30.8 46.2#

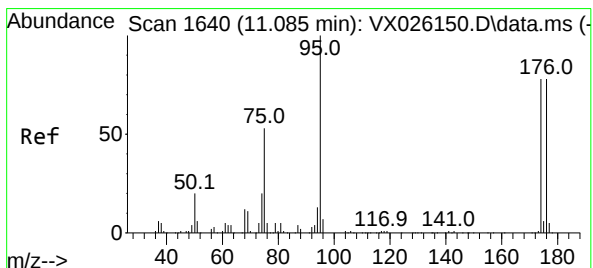
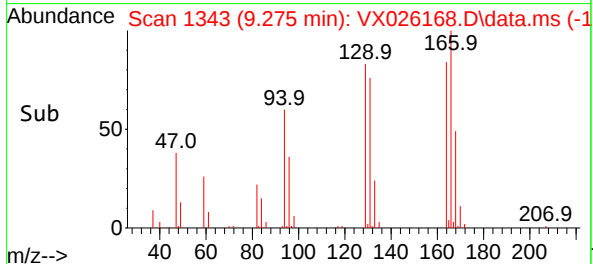
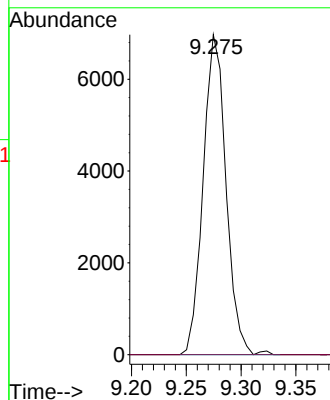
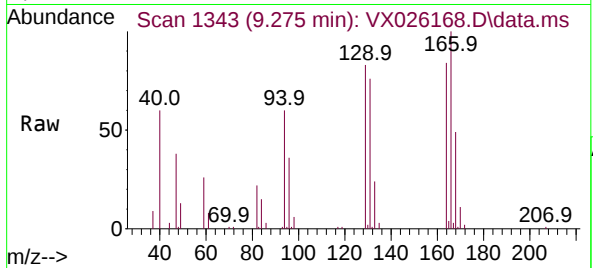




#60
Dibromochloromethane
Concen: 4.925 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

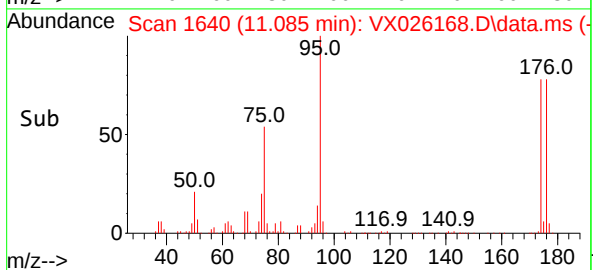
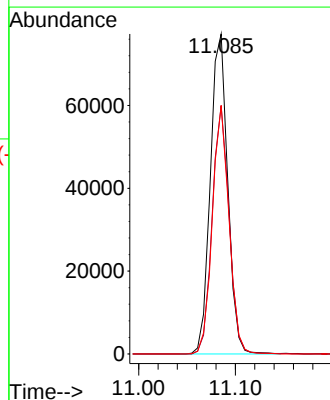
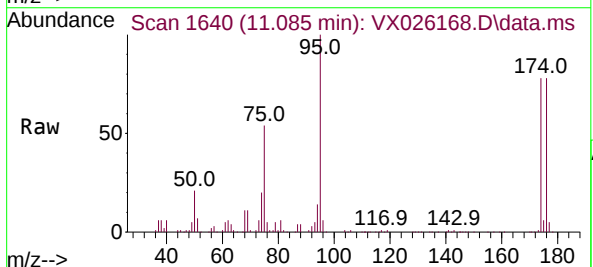
Instrument :
MSVOA_X
ClientSampleId :
MW-3D-122021

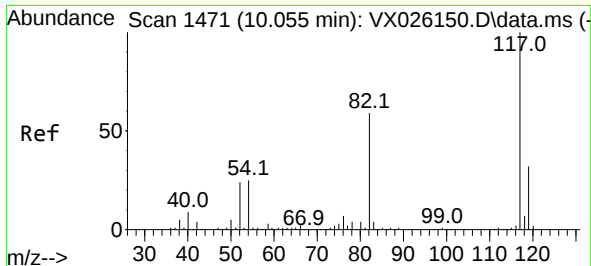
Tgt Ion:129 Resp: 10115
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 46.719 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion: 95 Resp: 96305
Ion Ratio Lower Upper
95 100
174 75.5 0.0 157.4
176 74.4 0.0 154.6

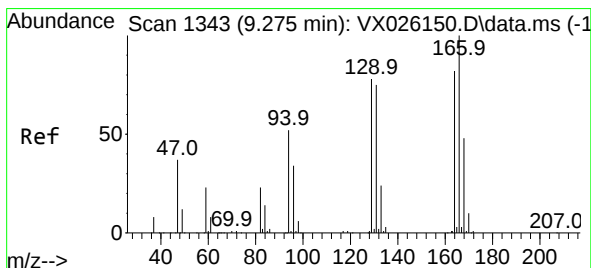
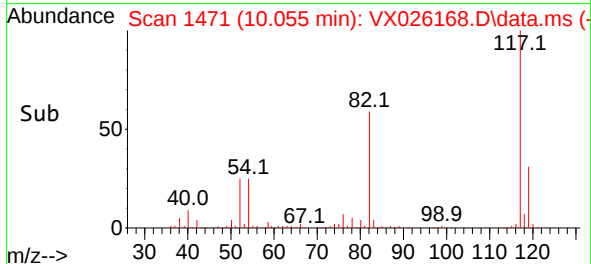
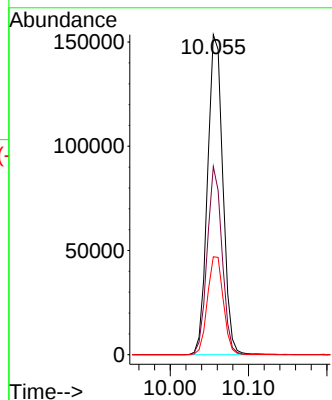
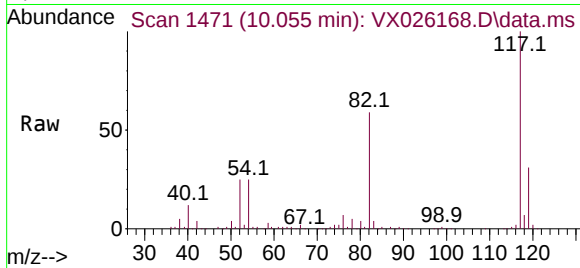




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

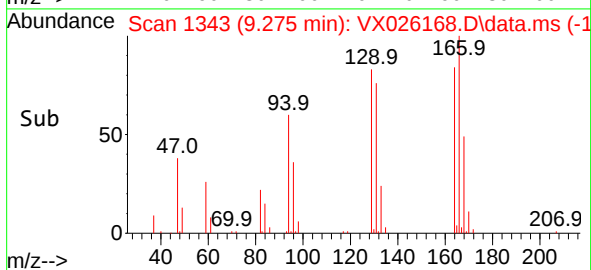
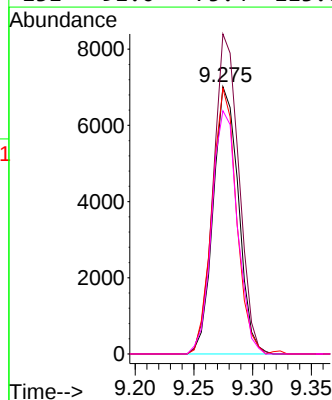
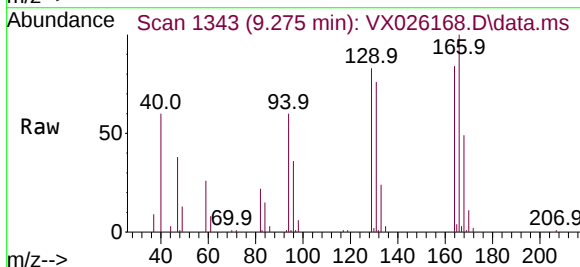
Instrument :
MSVOA_X
ClientSampleId :
MW-3D-122021

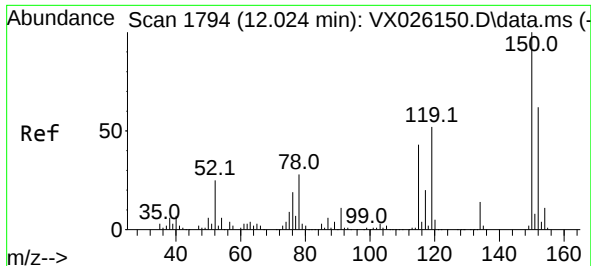
Tgt Ion:117 Resp: 208095
Ion Ratio Lower Upper
117 100
82 58.8 43.8 65.6
119 30.6 25.2 37.8



#64
Tetrachloroethene
Concen: 5.948 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX026168.D
Acq: 30 Dec 2021 15:13

Tgt Ion:164 Resp: 10446
Ion Ratio Lower Upper
164 100
166 119.8 99.4 149.0
129 99.4 78.6 118.0
131 91.0 75.4 113.0

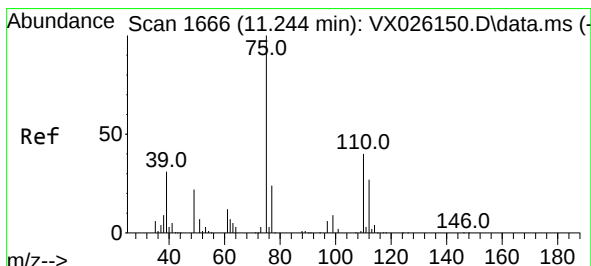
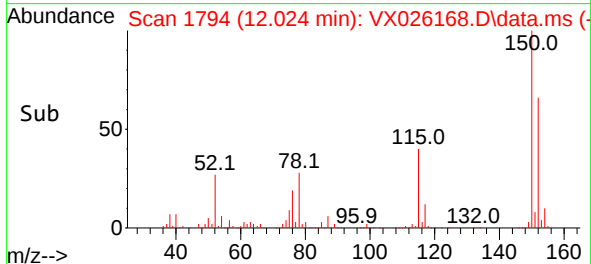
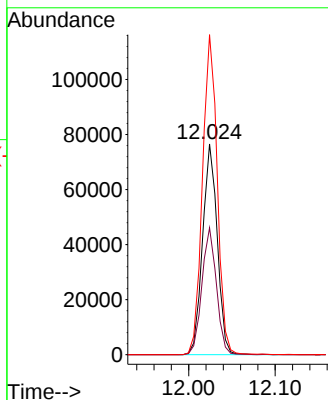
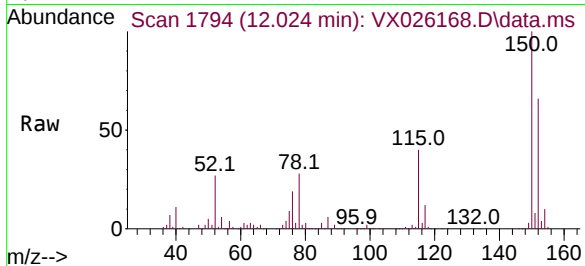




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026168.D
 Acq: 30 Dec 2021 15:13

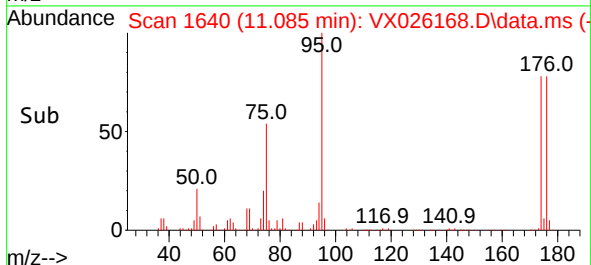
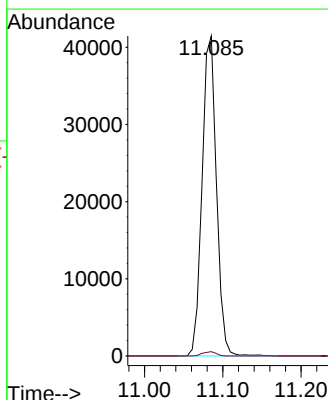
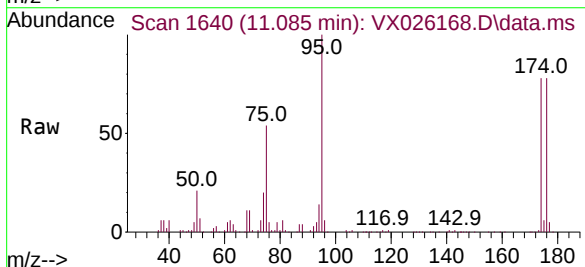
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3D-122021

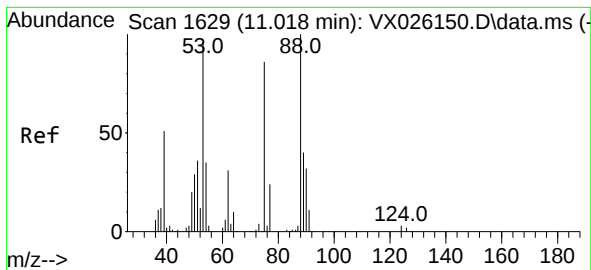
Tgt Ion:152 Resp: 90013
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.3 123.9
 150 152.8 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.240 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026168.D
 Acq: 30 Dec 2021 15:13

Tgt Ion: 75 Resp: 52667
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.128 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX026168.D
 Acq: 30 Dec 2021 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3D-122021

Tgt Ion: 75 Resp: 52667
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

