

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091521\
 Data File : VX024270.D
 Acq On : 15 Sep 2021 18:59
 Operator : JC/MD
 Sample : M3753-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Sep 16 04:47:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

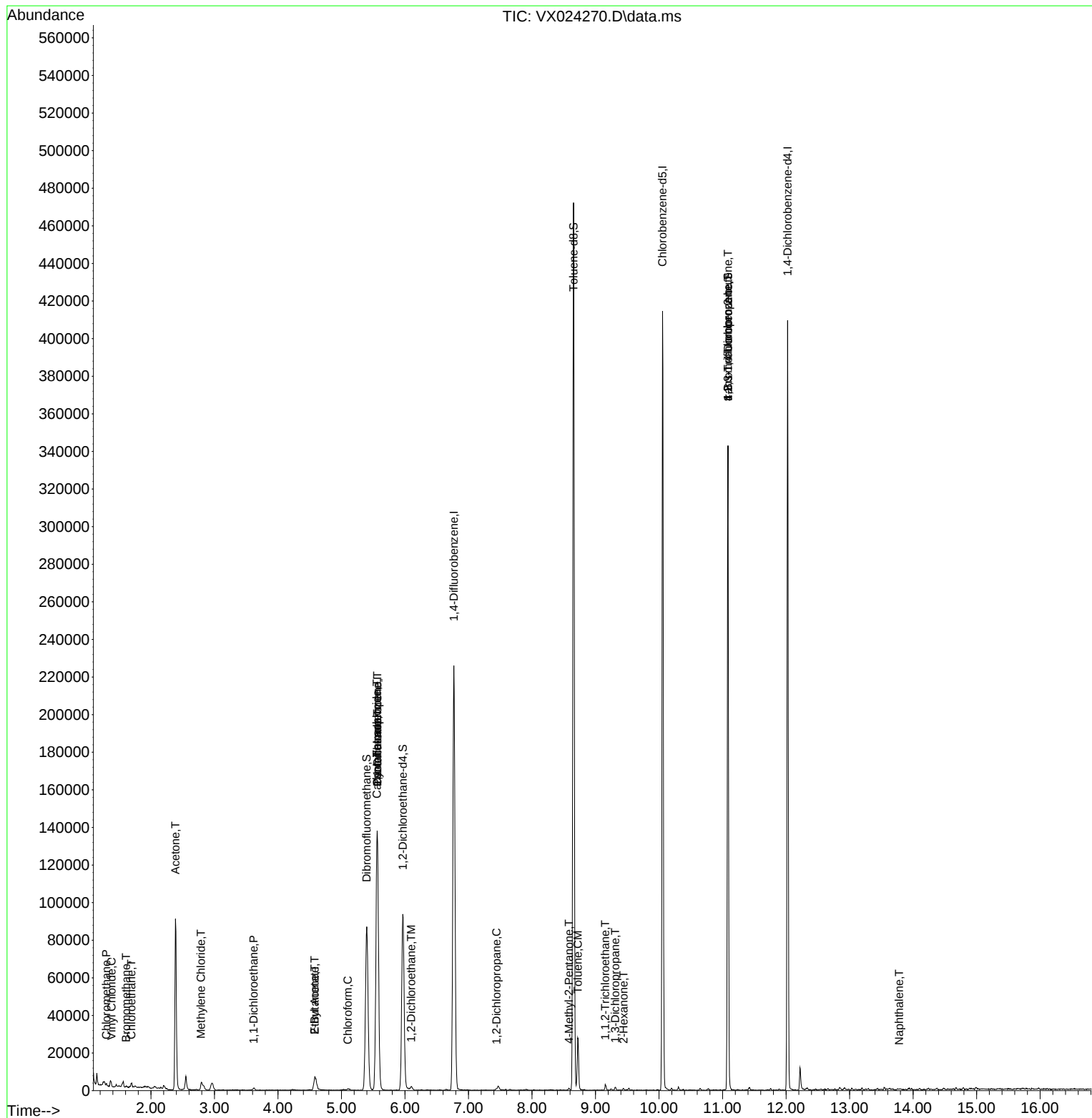
Internal Standards						
1) Pentafluorobenzene	5.562	168	129226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95678	51.922	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.840%	
35) Dibromofluoromethane	5.397	113	73709	49.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.160%	
50) Toluene-d8	8.653	98	273517	49.990	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	11.085	95	83780	39.346	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 78.700%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	913	0.704	ug/l	91
4) Vinyl Chloride	1.380	62	345	0.267	ug/l #	69
5) Bromomethane	1.605	94	279	0.363	ug/l #	68
6) Chloroethane	1.691	64	2318	4.117	ug/l	98
11) Tert butyl alcohol	2.971	59	3725	Below Cal	#	91
16) Acetone	2.386	43	95019	120.932	ug/l	92
20) Methylene Chloride	2.788	84	1920	1.273	ug/l #	77
24) 1,1-Dichloroethane	3.617	63	1532	0.614	ug/l #	81
25) 2-Butanone	4.574	43	6194	5.352	ug/l	94
30) Chloroform	5.099	83	935	0.352	ug/l #	75
31) Cyclohexane	5.562	56	3036	1.409	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	10509	5.104	ug/l #	49
37) Ethyl Acetate	4.574	43	6194	2.582	ug/l #	65
38) Carbon Tetrachloride	5.556	117	14335	6.186	ug/l #	16
42) 1,2-Dichloroethane	6.098	62	2141	0.869	ug/l	86
45) 1,2-Dichloropropane	7.440	63	369	0.237	ug/l #	43
51) 4-Methyl-2-Pentanone	8.580	43	790	0.325	ug/l #	67
52) Toluene	8.720	92	9910	2.560	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	934	0.567	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	755	0.281	ug/l	99
59) 2-Hexanone	9.439	43	508	0.268	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	46604	24.333	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	46604	71.563	ug/l #	12
95) Naphthalene	13.780	128	212	1.322	ug/l #	69

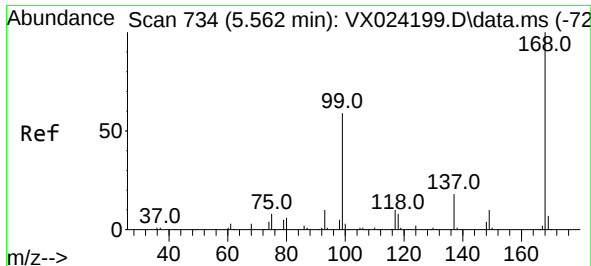
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

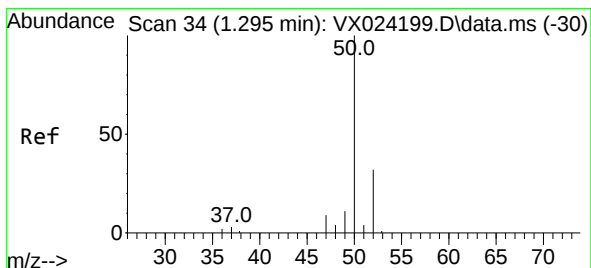
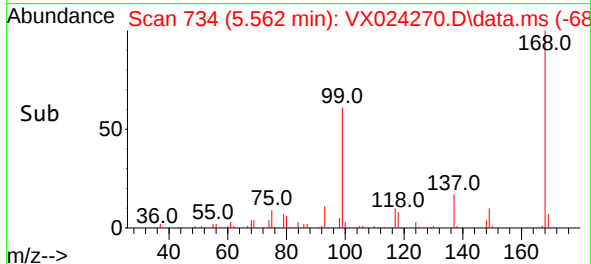
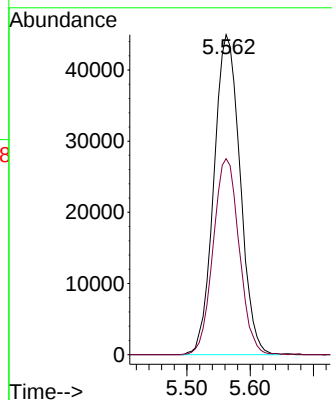
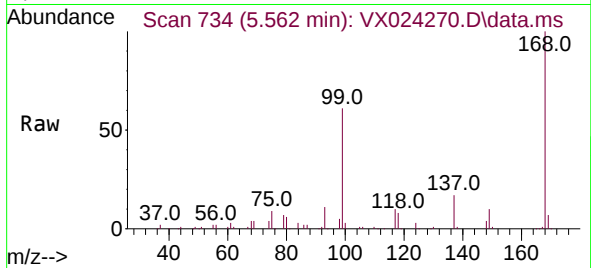




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

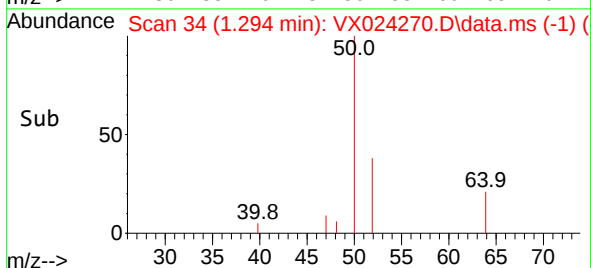
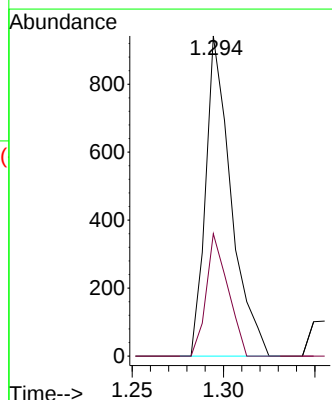
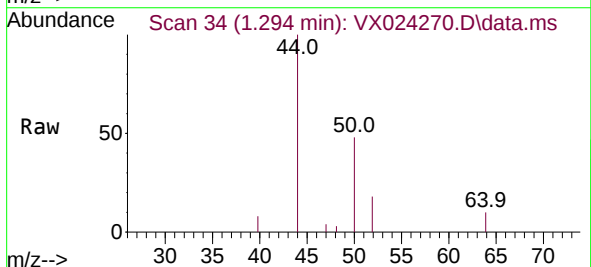
Instrument :
MSVOA_X
ClientSampleId :
MW-1

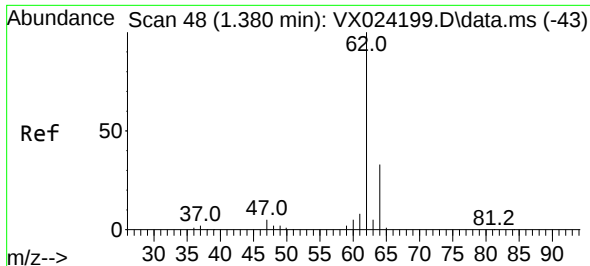
Tgt Ion:168 Resp: 129226
Ion Ratio Lower Upper
168 100
99 61.2 45.8 68.6



#3
Chloromethane
Concen: 0.704 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 38.2 26.4 39.6

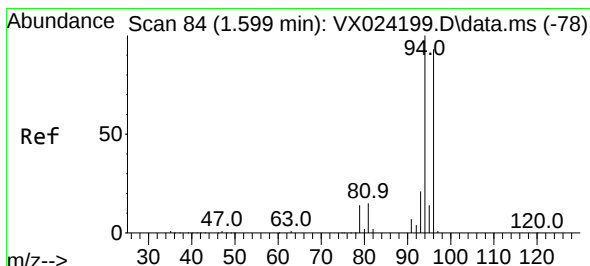
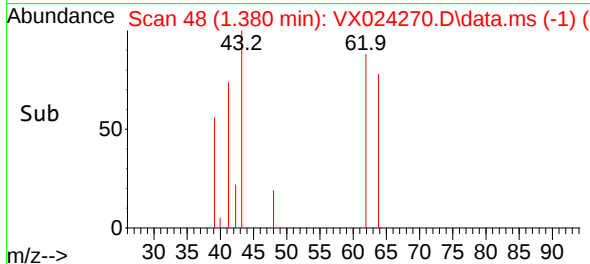
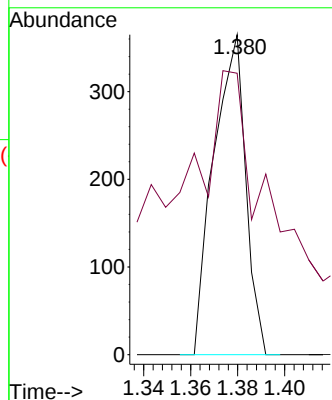
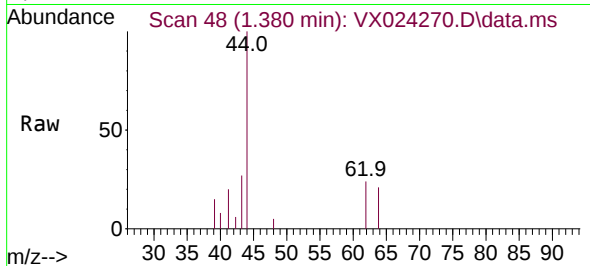




#4
 Vinyl Chloride
 Concen: 0.267 ug/l
 RT: 1.380 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: VX024270.D
 Acq: 15 Sep 2021 18:59

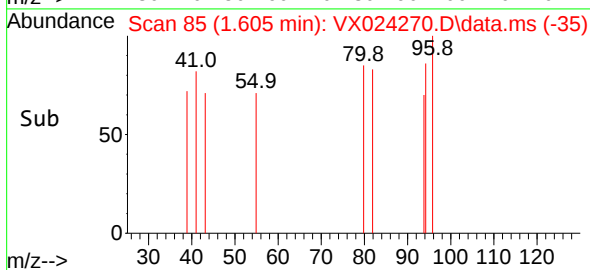
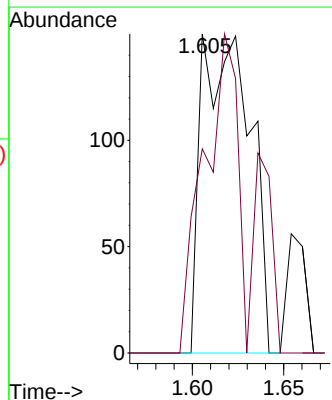
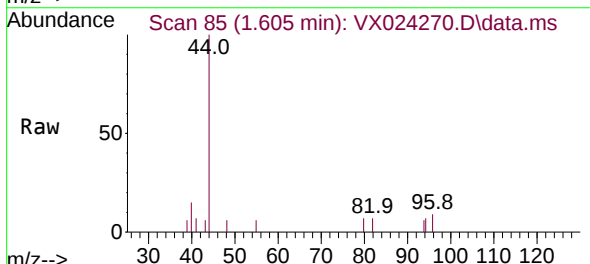
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

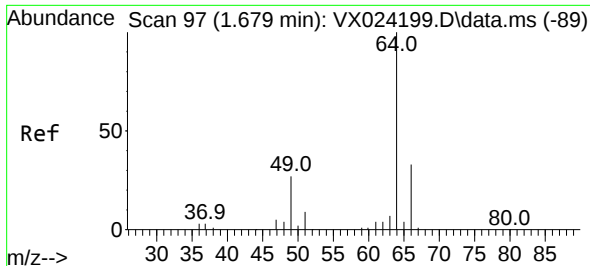
Tgt Ion: 62 Resp: 345
 Ion Ratio Lower Upper
 62 100
 64 49.6 25.7 38.5#



#5
 Bromomethane
 Concen: 0.363 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. 0.006 min
 Lab File: VX024270.D
 Acq: 15 Sep 2021 18:59

Tgt Ion: 94 Resp: 279
 Ion Ratio Lower Upper
 94 100
 96 64.0 76.4 114.6#

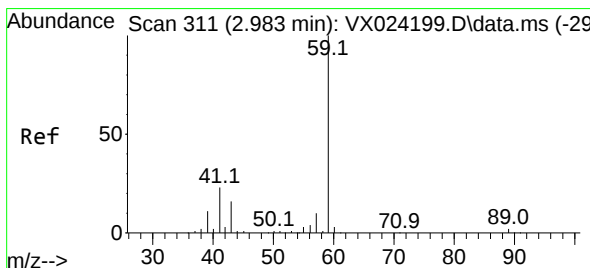
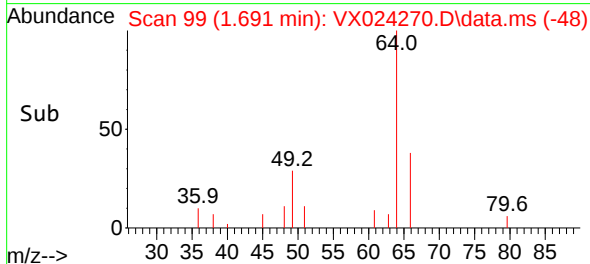
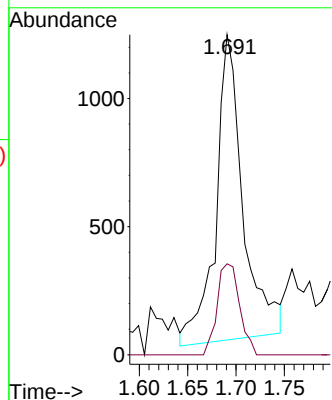
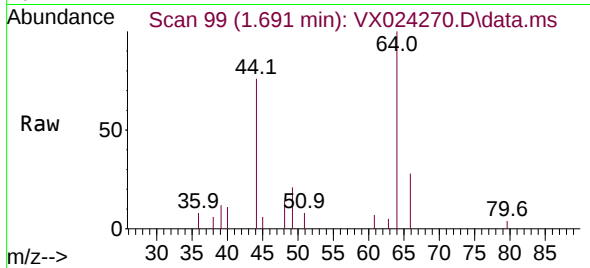




#6
Chloroethane
Concen: 4.117 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

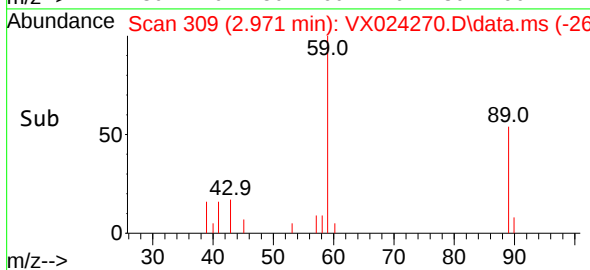
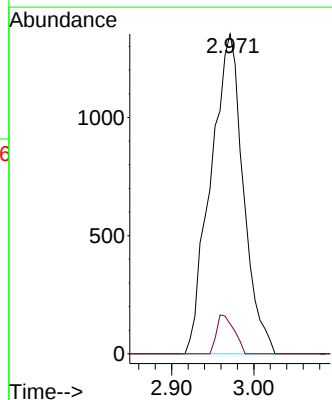
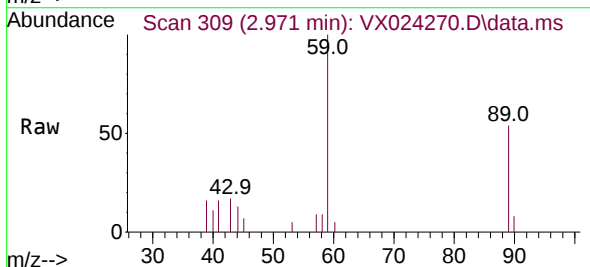
Instrument :
MSVOA_X
ClientSampleId :
MW-1

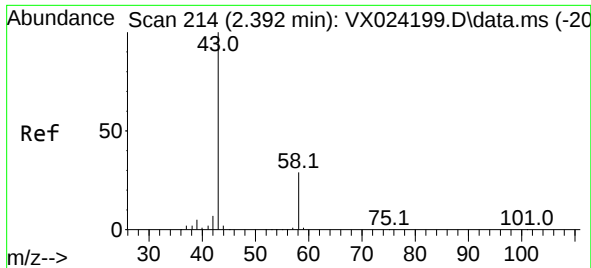
Tgt Ion: 64 Resp: 2318
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 59 Resp: 3725
Ion Ratio Lower Upper
59 100
57 6.6 7.8 11.8#

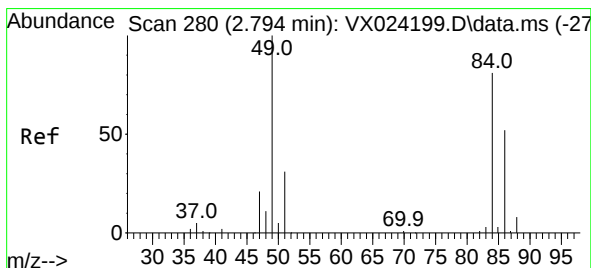
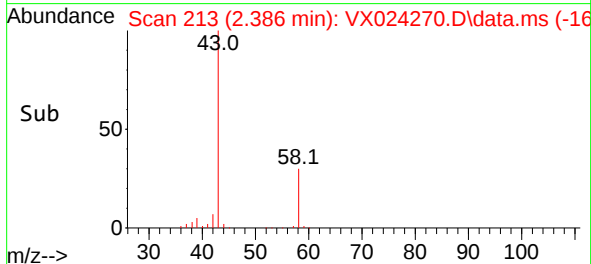
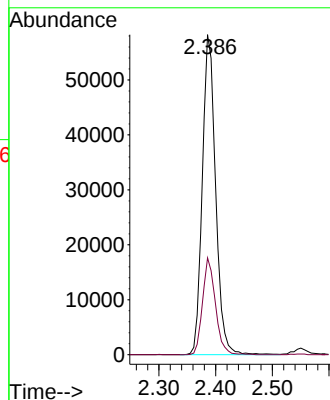
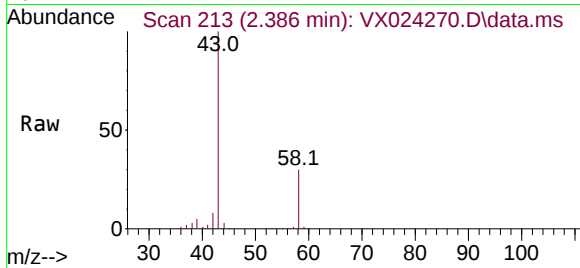




#16
Acetone
Concen: 120.932 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

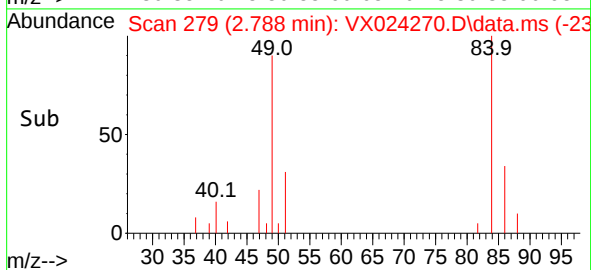
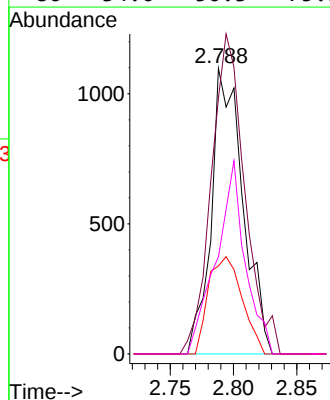
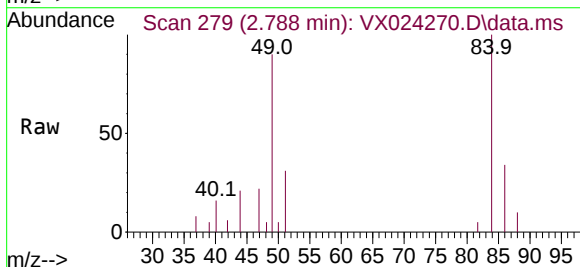
Instrument :
MSVOA_X
ClientSampled :
MW-1

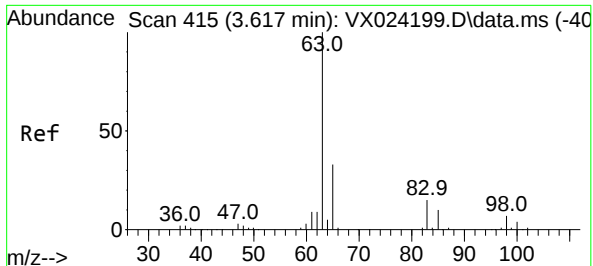
Tgt Ion: 43 Resp: 95019
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8



#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 84 Resp: 1920
Ion Ratio Lower Upper
84 100
49 89.6 88.6 132.8
51 30.8 27.0 40.6
86 34.0 50.3 75.5#

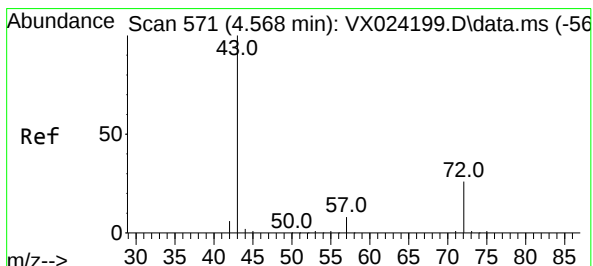
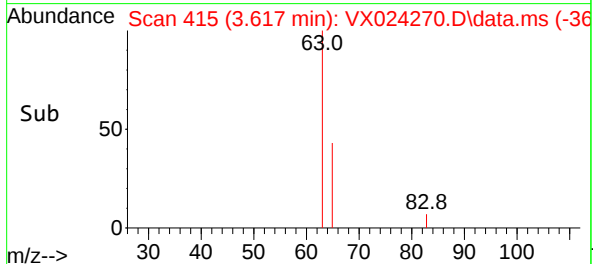
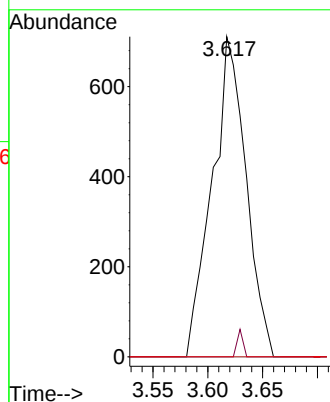
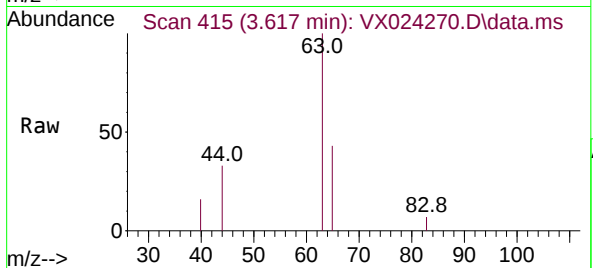




#24
1,1-Dichloroethane
Concen: 0.614 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

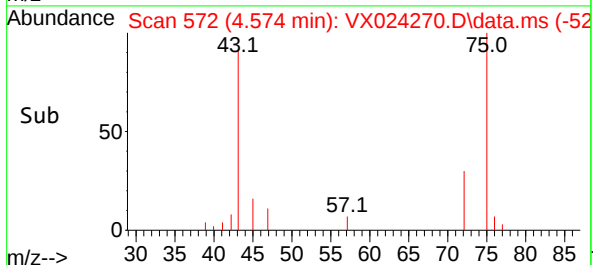
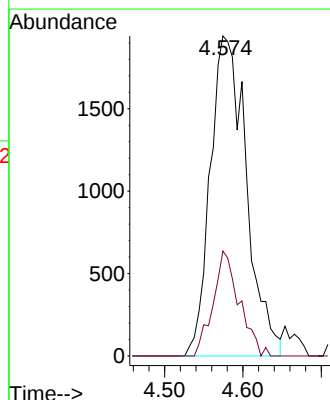
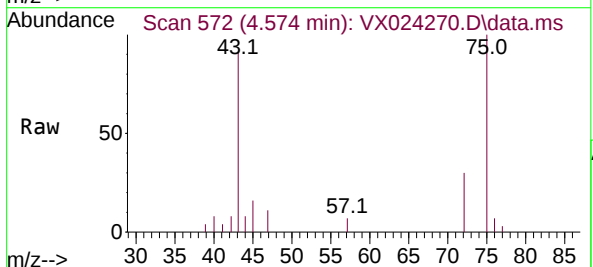
Instrument :
MSVOA_X
ClientSampled :
MW-1

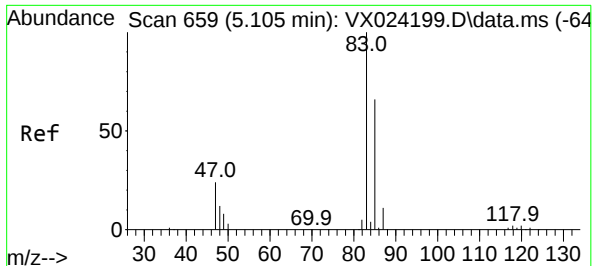
Tgt Ion: 63 Resp: 1532
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 5.352 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 43 Resp: 6194
Ion Ratio Lower Upper
43 100
72 32.8 23.7 35.5





#30

Chloroform

Concen: 0.352 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

Tgt Ion: 83 Resp: 935

Ion Ratio Lower Upper

83 100

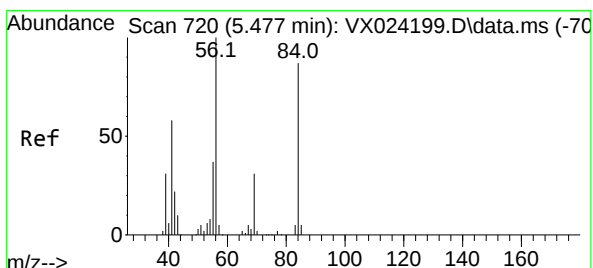
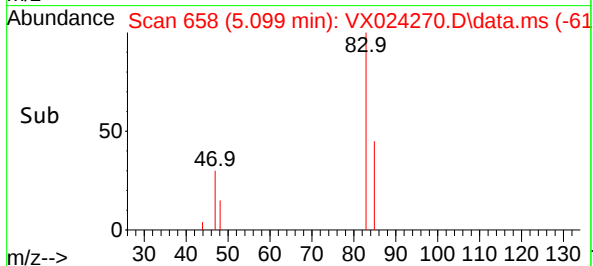
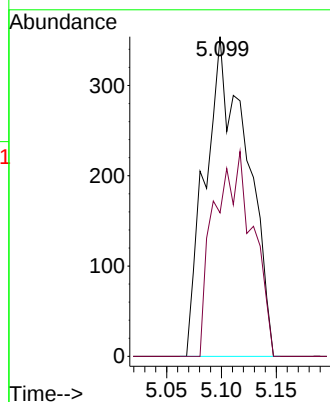
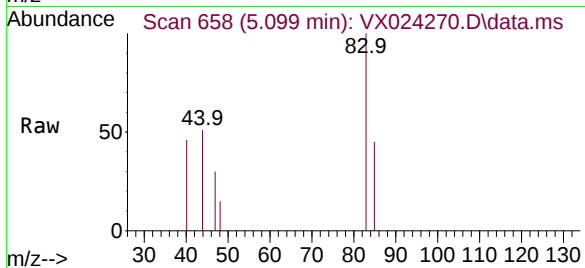
85 44.9 52.0 78.0#

Instrument :

MSVOA_X

ClientSampled :

MW-1



#31

Cyclohexane

Concen: 1.409 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

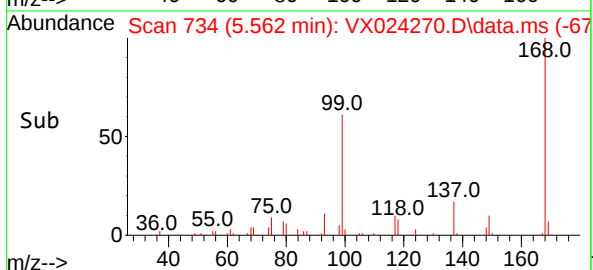
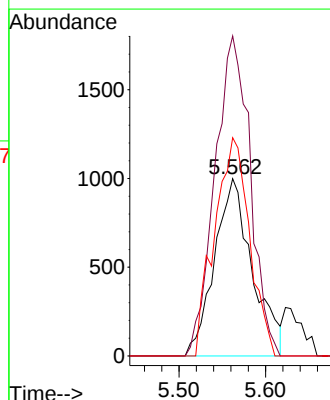
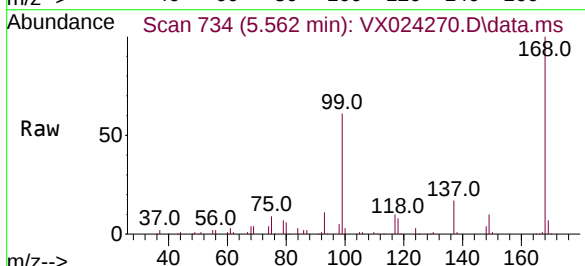
Tgt Ion: 56 Resp: 3036

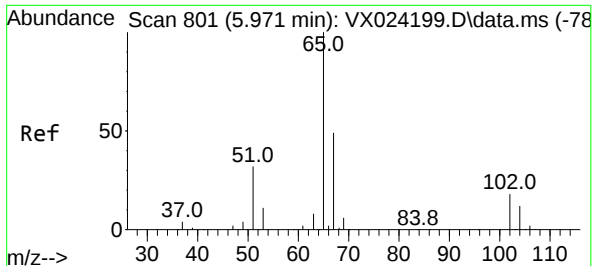
Ion Ratio Lower Upper

56 100

69 180.5 25.3 37.9#

84 123.1 71.4 107.0#



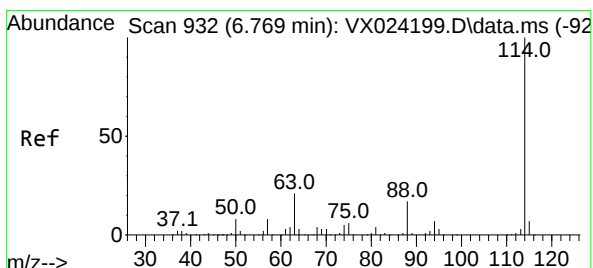
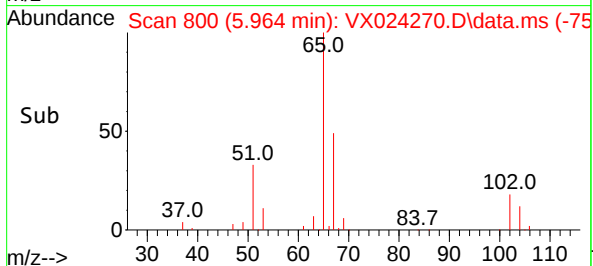
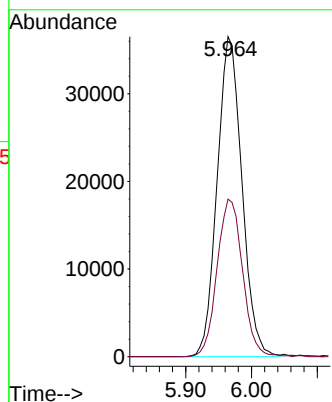
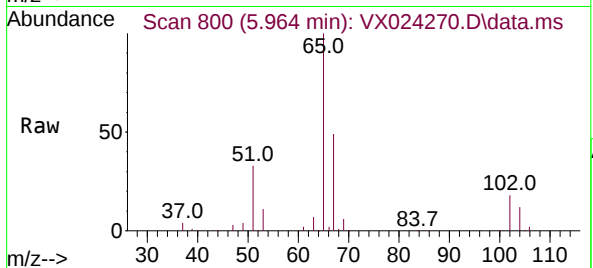


#33

1,2-Dichloroethane-d4
Concen: 51.922 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Instrument :
MSVOA_X
ClientSampled :
MW-1

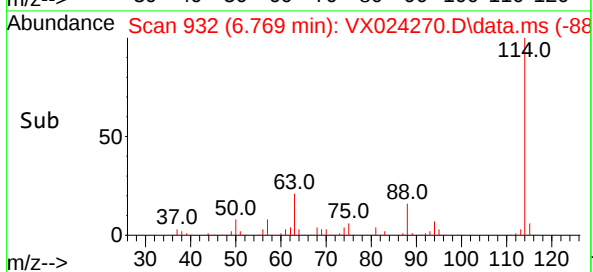
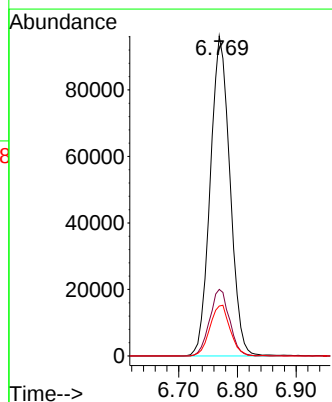
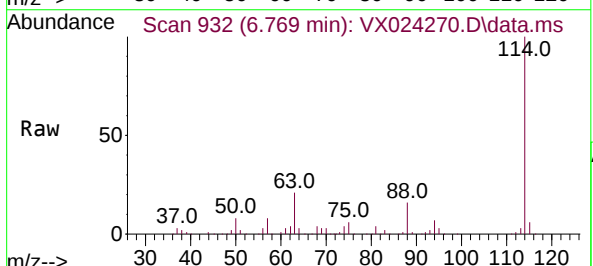
Tgt Ion: 65 Resp: 95678
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

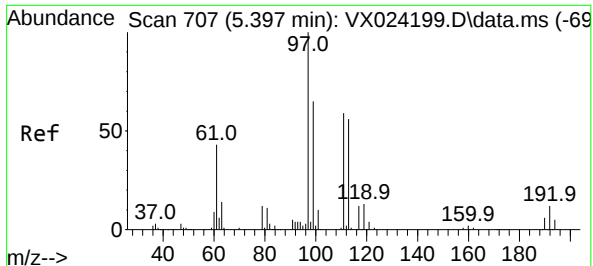


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 114 Resp: 223952
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.077 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

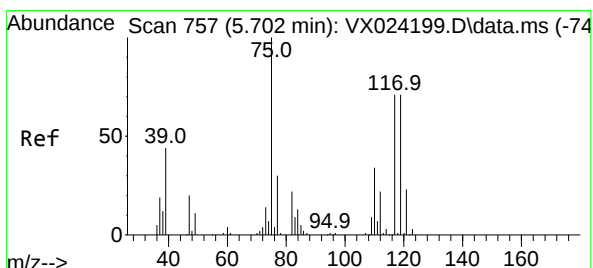
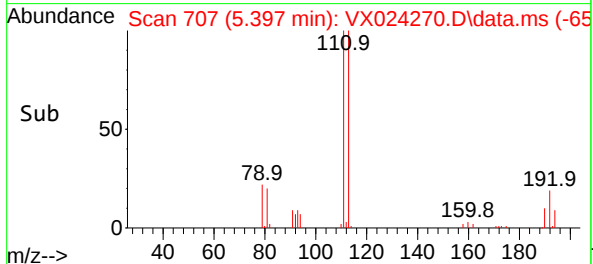
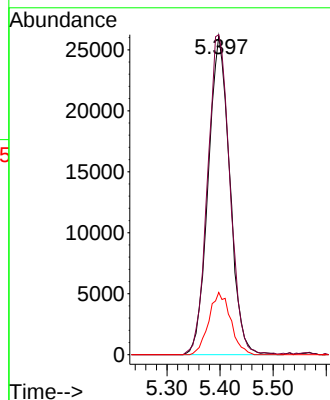
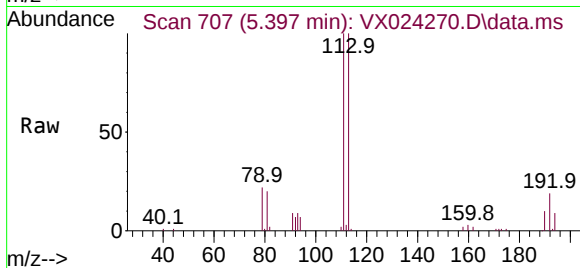
Tgt Ion:113 Resp: 73709

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 19.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

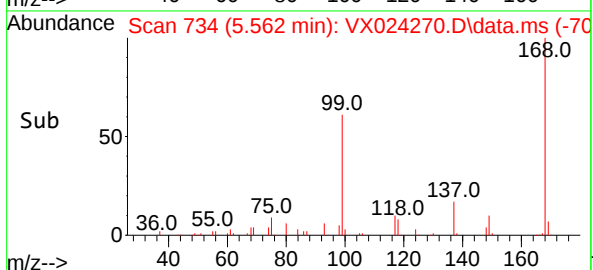
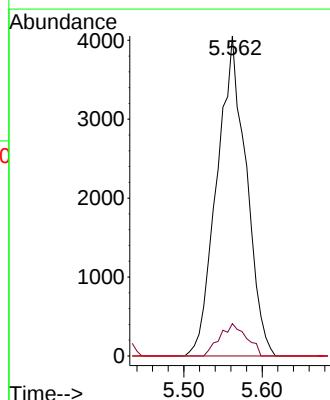
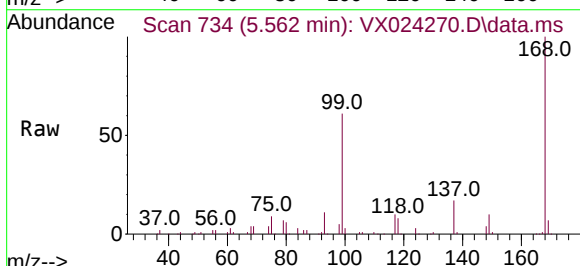
Tgt Ion: 75 Resp: 10509

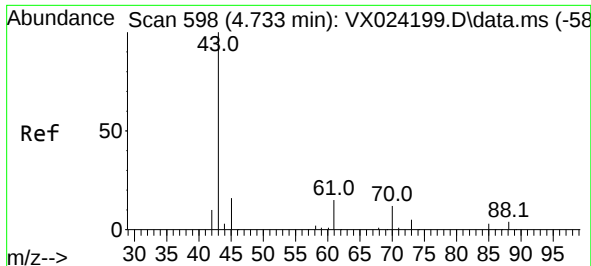
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.582 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.159 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

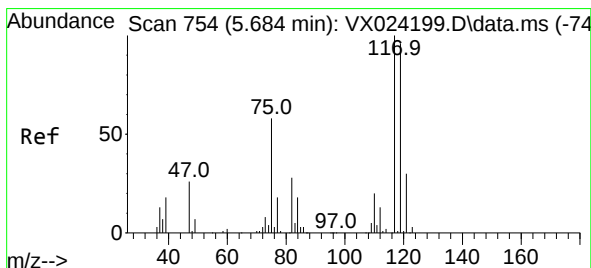
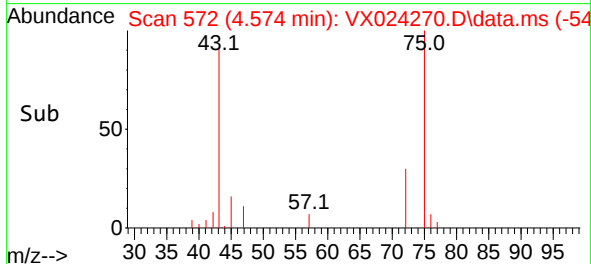
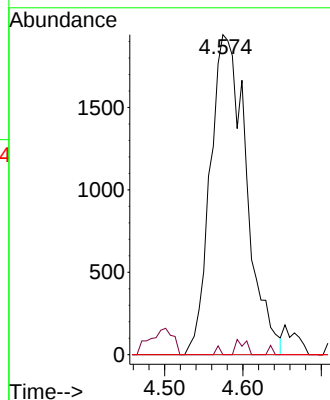
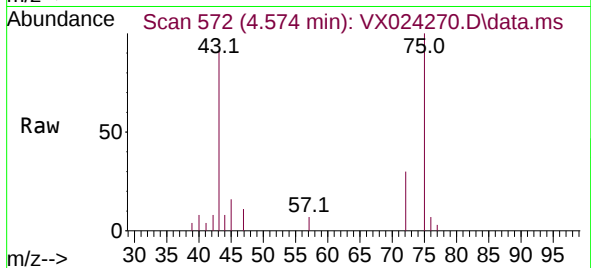
Instrument :

MSVOA_X

ClientSampled :

MW-1

Tgt Ion:	43	Resp:	6194
Ion	Ratio	Lower	Upper
43	100		
61	0.3	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.186 ug/l

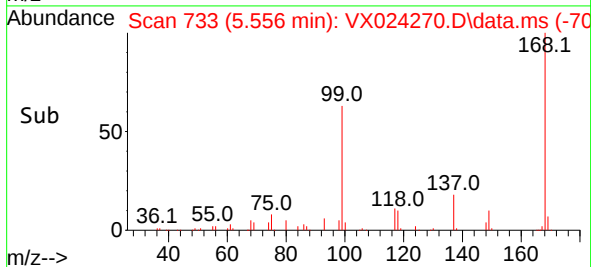
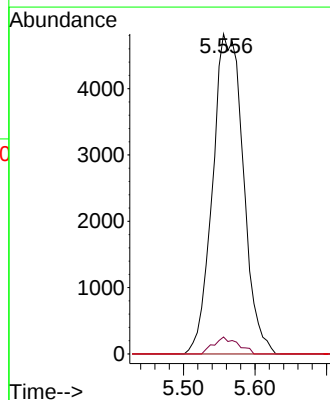
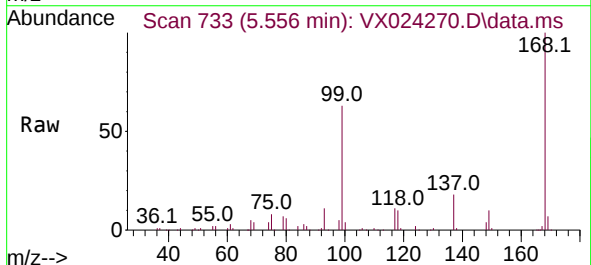
RT: 5.556 min Scan# 733

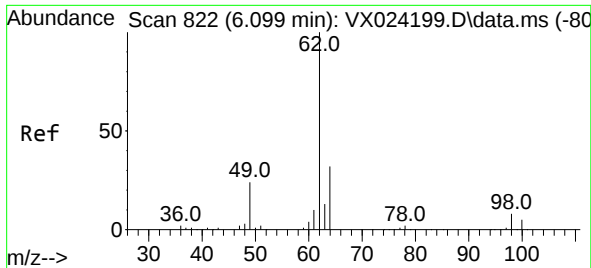
Delta R.T. -0.128 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

Tgt Ion:	117	Resp:	14335
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	24.8	37.2#





#42

1,2-Dichloroethane

Concen: 0.869 ug/l

RT: 6.098 min Scan# 822

Delta R.T. -0.001 min

Lab File: VX024270.D

Acq: 15 Sep 2021 18:59

Tgt Ion: 62 Resp: 2141

Ion Ratio Lower Upper

62 100

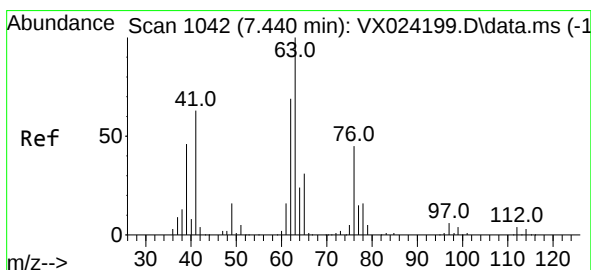
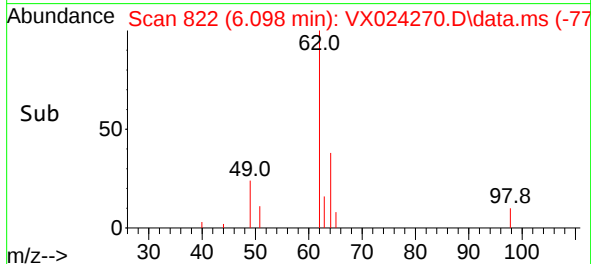
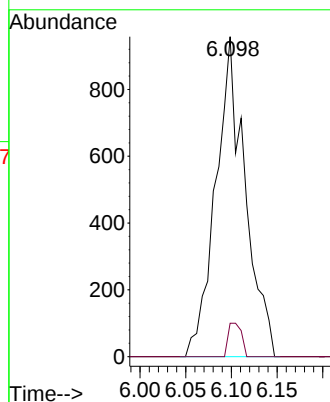
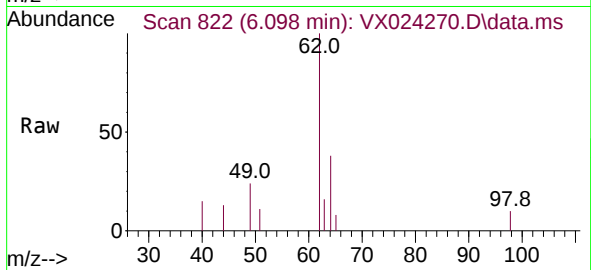
98 4.8 0.0 20.2

Instrument :

MSVOA_X

ClientSampled :

MW-1



#45

1,2-Dichloropropane

Concen: 0.237 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VX024270.D

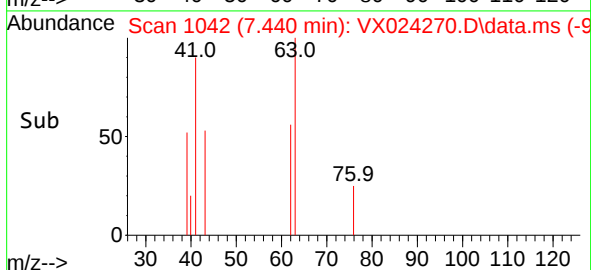
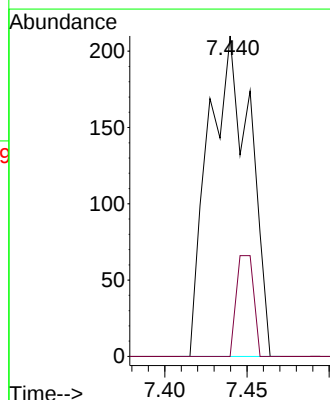
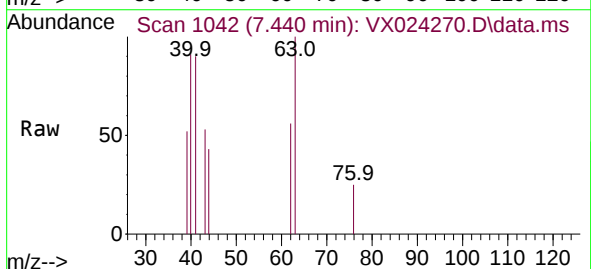
Acq: 15 Sep 2021 18:59

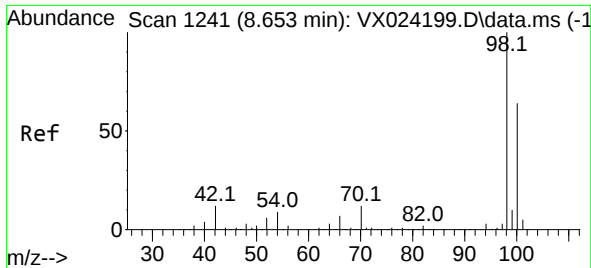
Tgt Ion: 63 Resp: 369

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

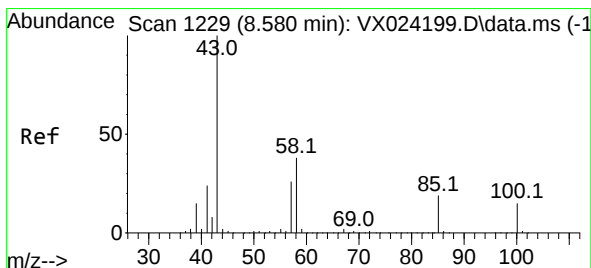
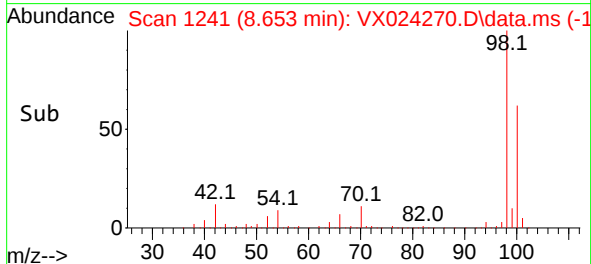
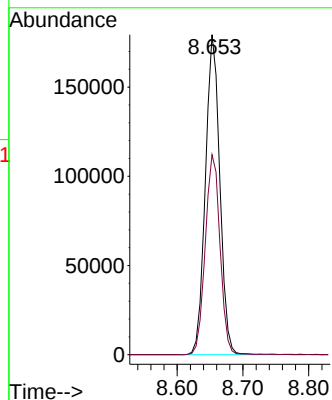
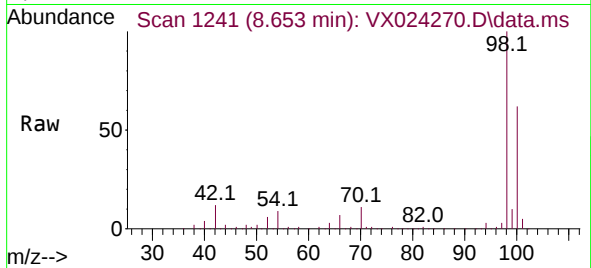




#50
Toluene-d8
Concen: 49.990 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

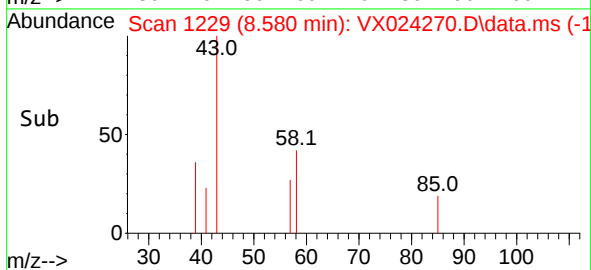
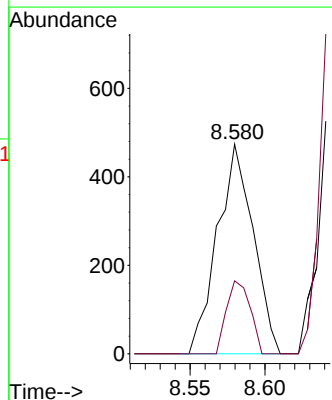
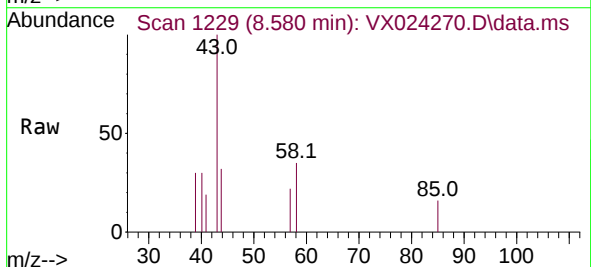
Instrument :
MSVOA_X
ClientSampled :
MW-1

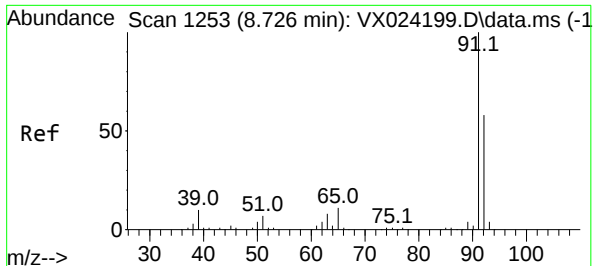
Tgt Ion: 98 Resp: 273517
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.325 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 22.9 35.4 53.0#

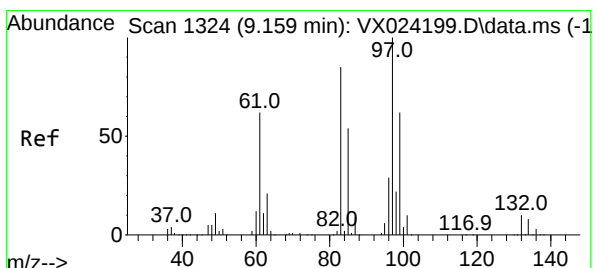
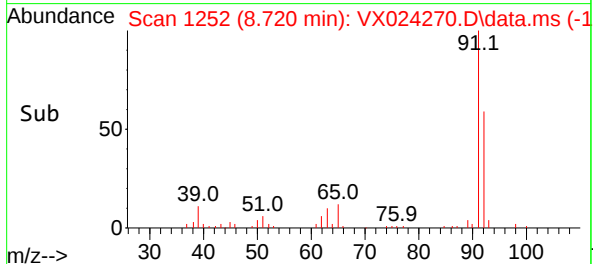
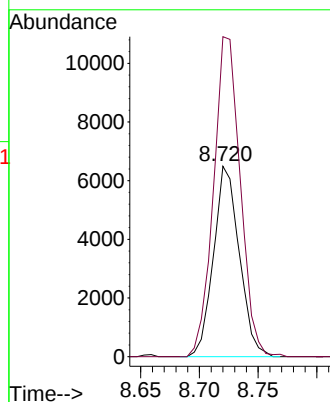
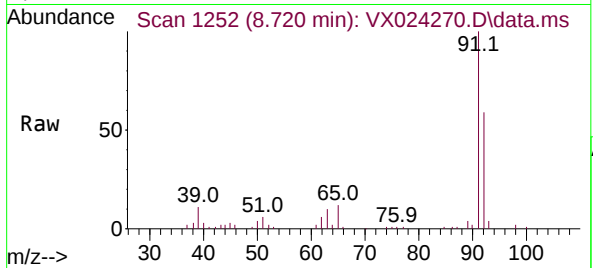




#52
Toluene
Concen: 2.560 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

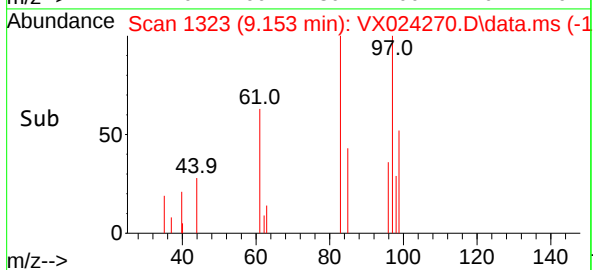
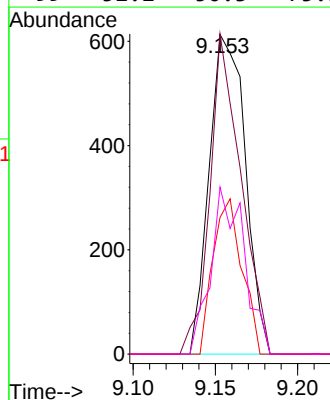
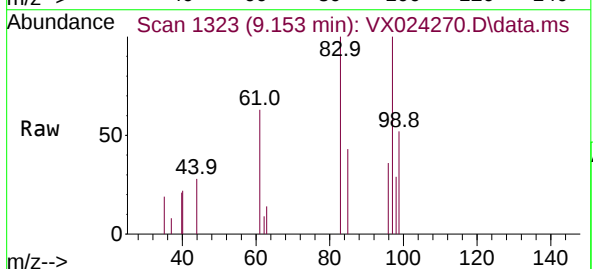
Instrument :
MSVOA_X
ClientSampled :
MW-1

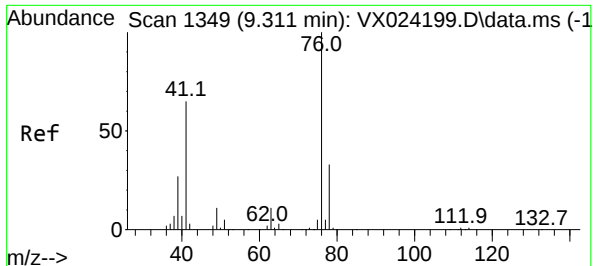
Tgt Ion: 92 Resp: 9910
Ion Ratio Lower Upper
92 100
91 174.4 137.1 205.7



#55
1,1,2-Trichloroethane
Concen: 0.567 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 97 Resp: 934
Ion Ratio Lower Upper
97 100
83 100.2 69.3 103.9
85 42.7 44.3 66.5#
99 52.2 50.3 75.5

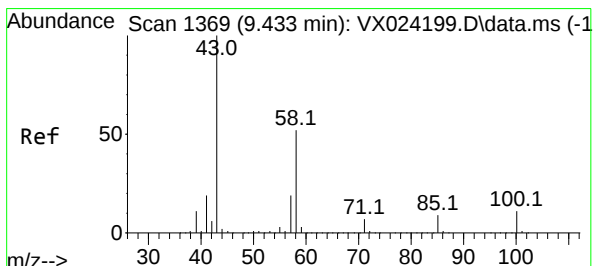
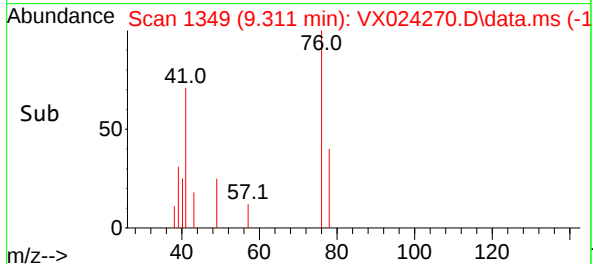
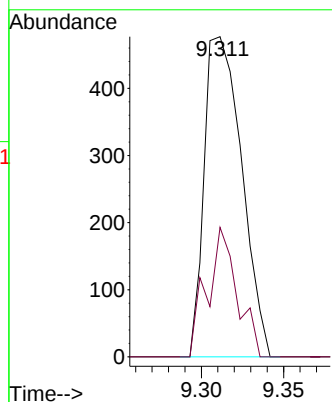
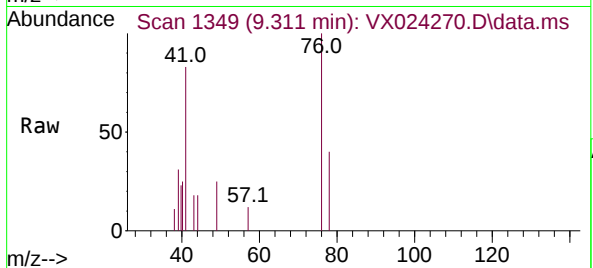




#57
1,3-Dichloropropane
Concen: 0.281 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

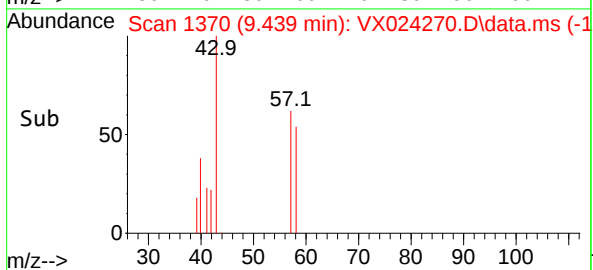
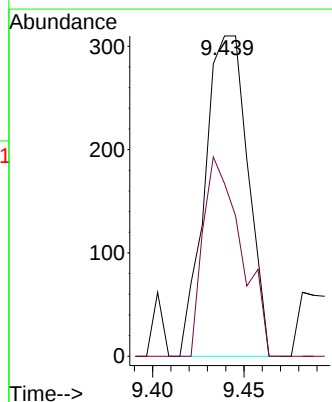
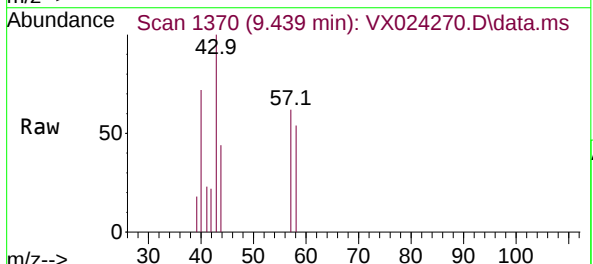
Instrument :
MSVOA_X
ClientSampled :
MW-1

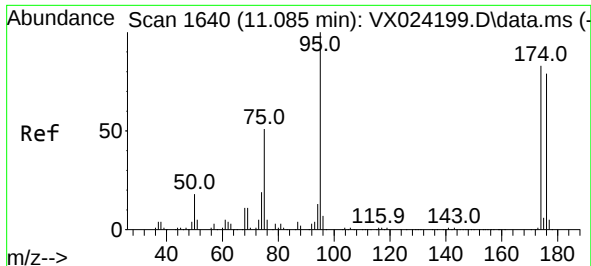
Tgt Ion: 76 Resp: 755
Ion Ratio Lower Upper
76 100
78 32.2 26.2 39.2



#59
2-Hexanone
Concen: 0.268 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 55.3 30.9 92.8

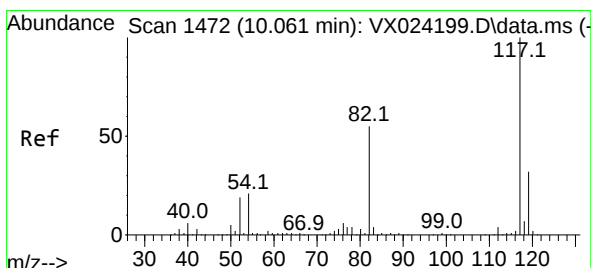
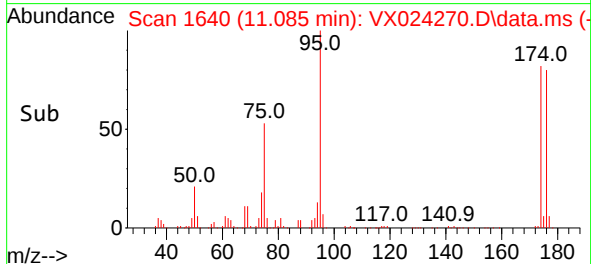
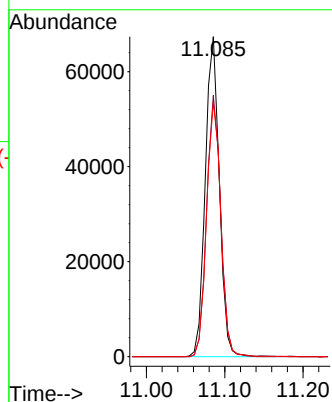
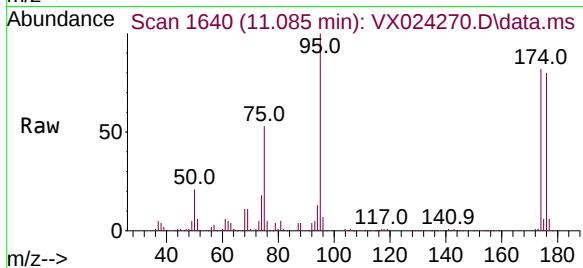




#62
4-Bromofluorobenzene
Concen: 39.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

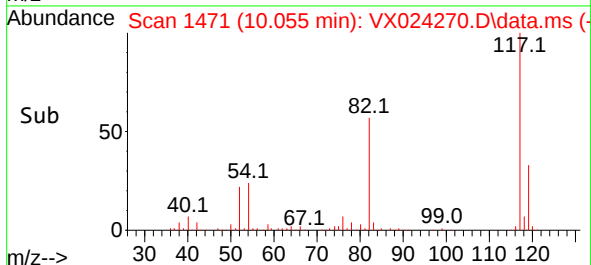
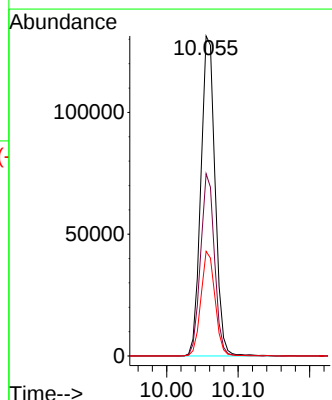
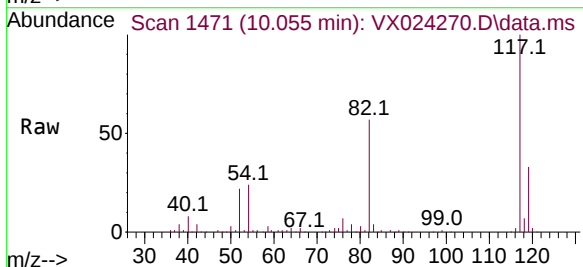
Instrument :
MSVOA_X
ClientSampleId :
MW-1

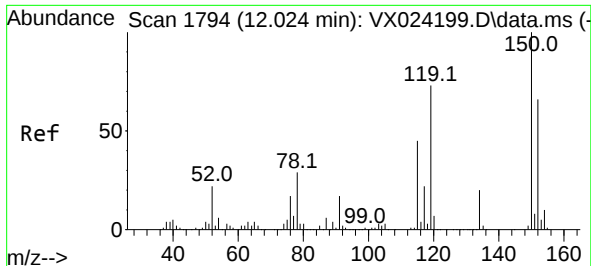
Tgt Ion: 95 Resp: 83780
Ion Ratio Lower Upper
95 100
174 81.7 0.0 154.6
176 80.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 117 Resp: 181761
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.7 26.6 39.8

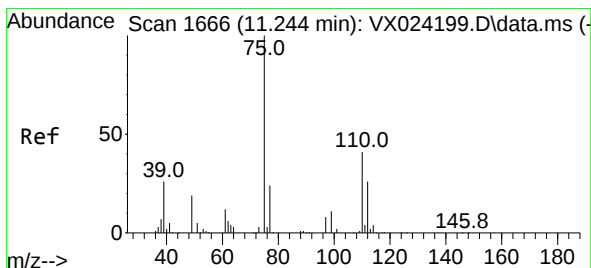
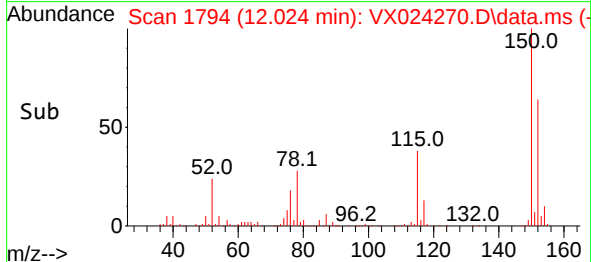
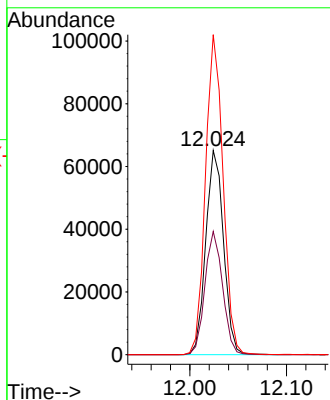
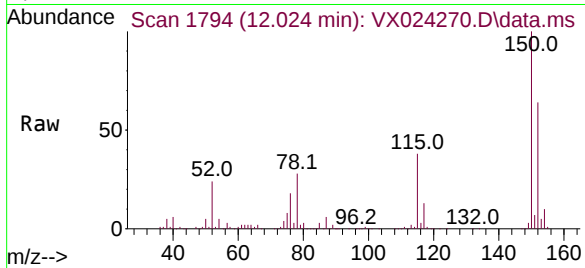




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

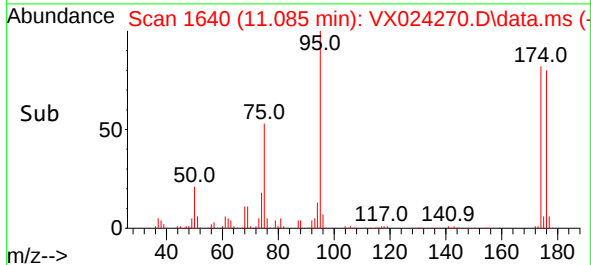
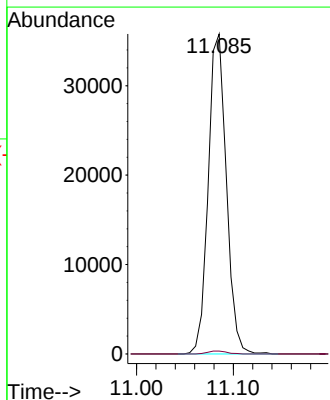
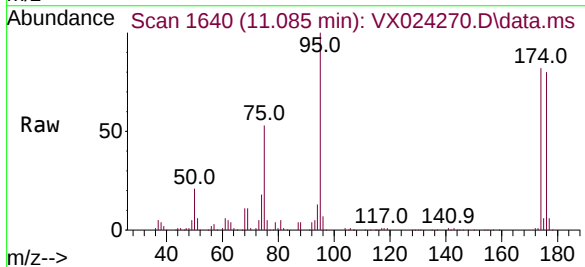
Instrument :
MSVOA_X
ClientSampled :
MW-1

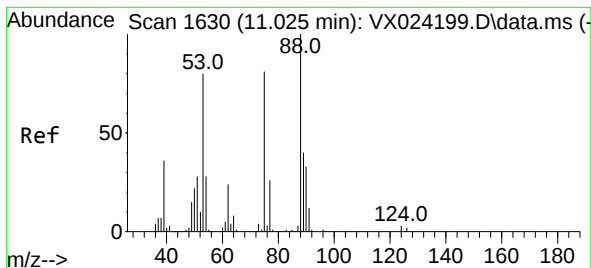
Tgt Ion:152 Resp: 83294
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 154.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.333 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 75 Resp: 46604
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

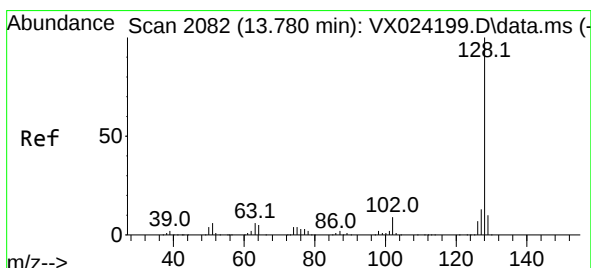
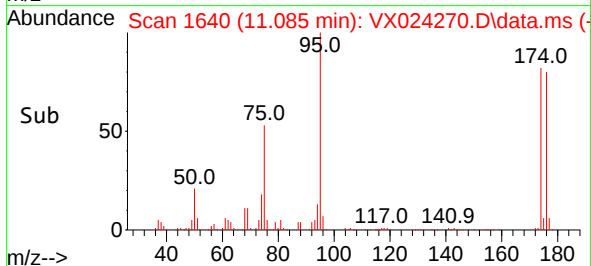
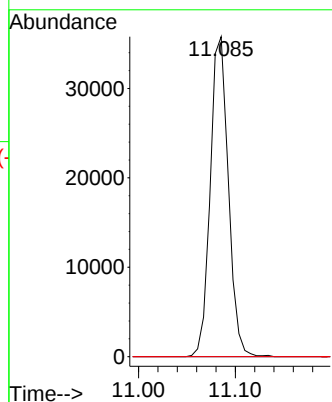
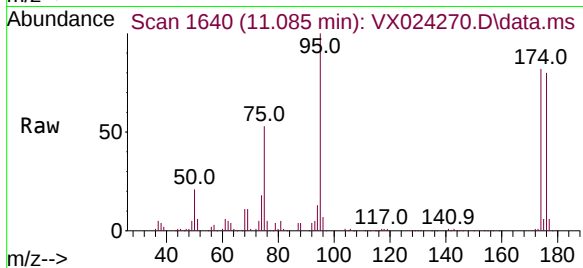




#81
trans-1,4-Dichloro-2-butene
Concen: 71.563 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion: 75 Resp: 46604
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.322 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024270.D
Acq: 15 Sep 2021 18:59

Tgt Ion: 128 Resp: 212
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

