

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031533.D
 Acq On : 21 Sep 2022 18:37
 Operator : JC/MD
 Sample : N4614-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3RRA

Quant Time: Sep 22 01:15:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

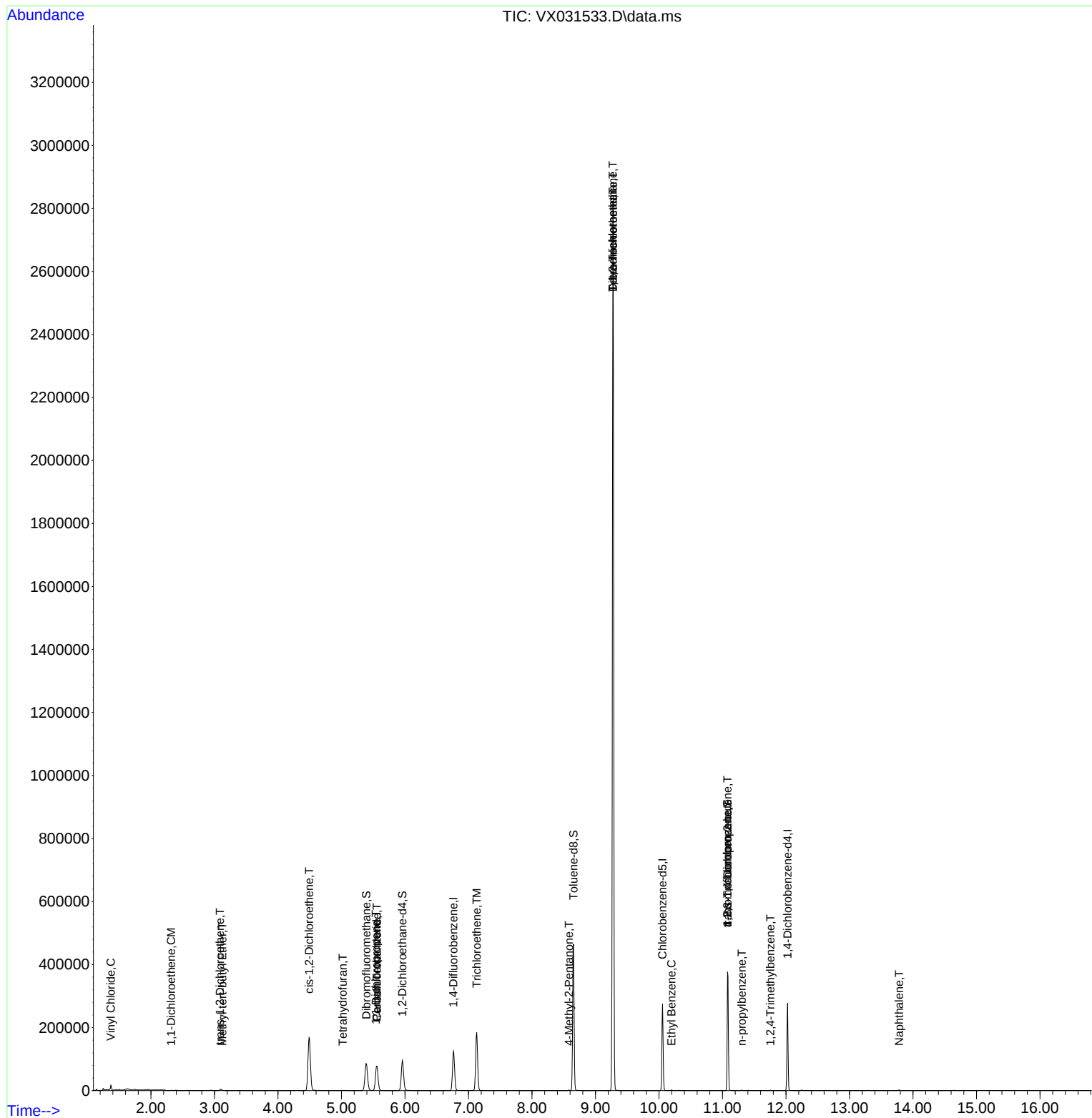
Internal Standards						
1) Pentafluorobenzene	5.556	168	77572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82222	57.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.720%			
35) Dibromofluoromethane	5.391	113	70729	53.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.580%			
50) Toluene-d8	8.653	98	272209	53.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.320%			
62) 4-Bromofluorobenzene	11.079	95	87036	50.184	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.360%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.368	62	6902	4.091	ug/l	95
6) Chloroethane	1.685	64	246	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	900	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	382	0.316	ug/l	80
13) Acrolein	2.148	56	26	Below Cal	#	1
16) Acetone	2.392	43	1648	Below Cal	#	86
19) Methyl tert-butyl Ether	3.124	73	1310	0.300	ug/l #	52
20) Methylene Chloride	2.788	84	76	Below Cal	#	44
21) trans-1,2-Dichloroethene	3.087	96	1579	1.158	ug/l #	90
27) cis-1,2-Dichloroethene	4.489	96	106048	64.533	ug/l	80
29) Tetrahydrofuran	5.020	42	469	0.655	ug/l #	60
36) 1,1-Dichloropropene	5.544	75	6094	2.983	ug/l #	48
38) Carbon Tetrachloride	5.556	117	7659	3.383	ug/l #	16
44) Trichloroethene	7.129	130	67710	39.186	ug/l	89
51) 4-Methyl-2-Pentanone	8.580	43	1031	0.428	ug/l	98
55) 1,1,2-Trichloroethane	9.275	97	4357	2.660	ug/l #	2
60) Dibromochloromethane	9.275	129	417729	240.197	ug/l #	11
64) Tetrachloroethene	9.275	164	454021	326.506	ug/l	98
67) Ethyl Benzene	10.195	91	1622	0.257	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.086	83	158	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	49222	40.319	ug/l #	36
78) n-propylbenzene	11.305	91	1216	0.259	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	49222	129.823	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	745	0.218	ug/l	95
95) Naphthalene	13.780	128	1869	0.477	ug/l	98

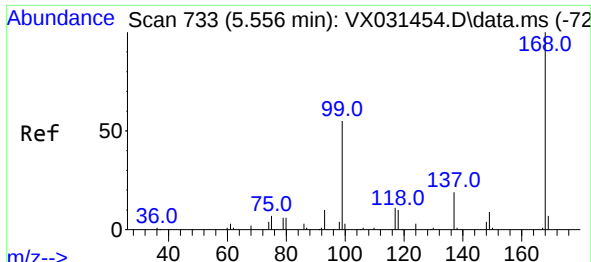
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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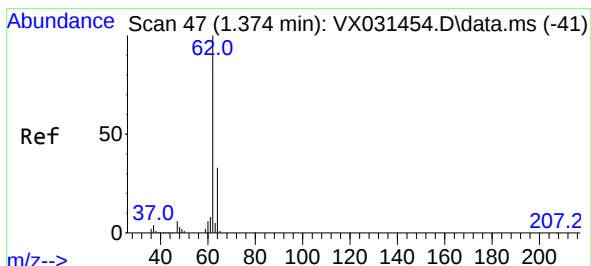
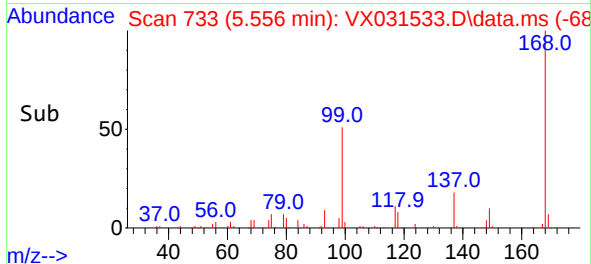
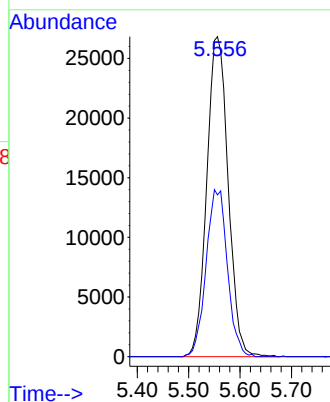
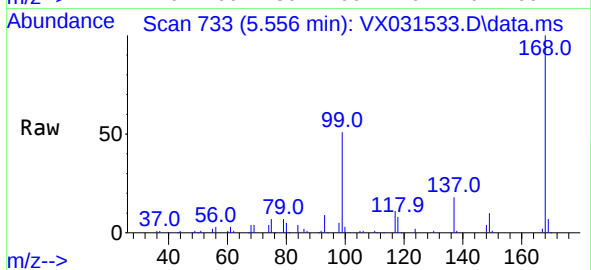




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

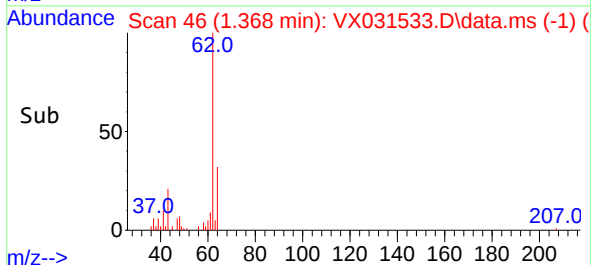
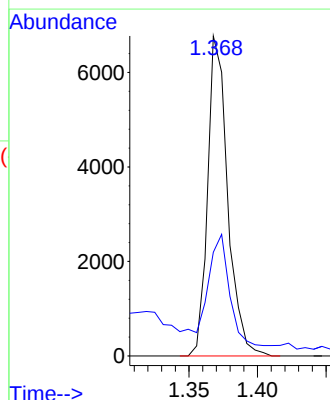
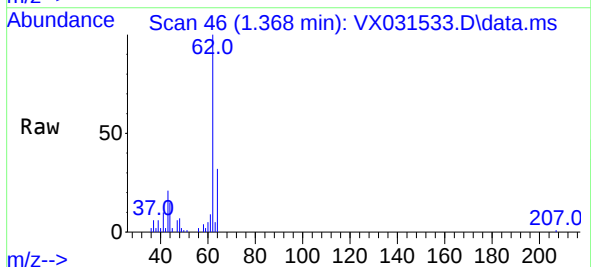
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

Tgt Ion:168 Resp: 77572
Ion Ratio Lower Upper
168 100
99 50.6 48.8 73.2

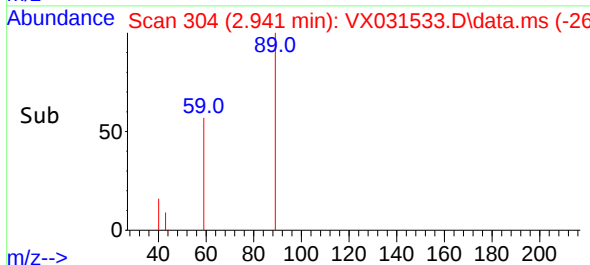
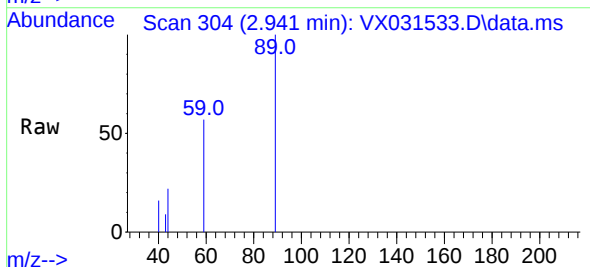
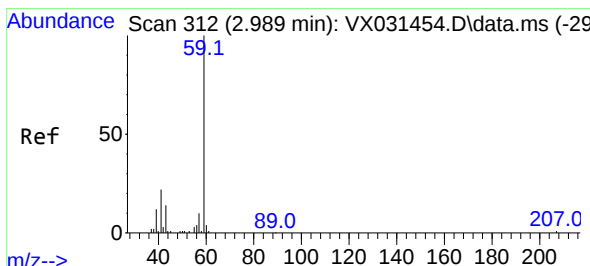
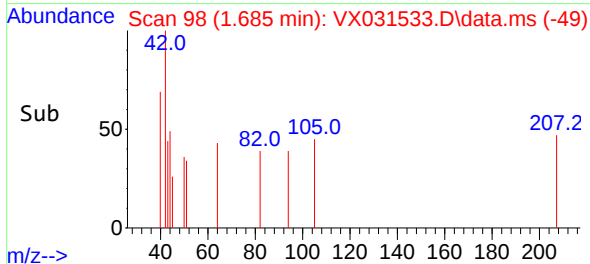
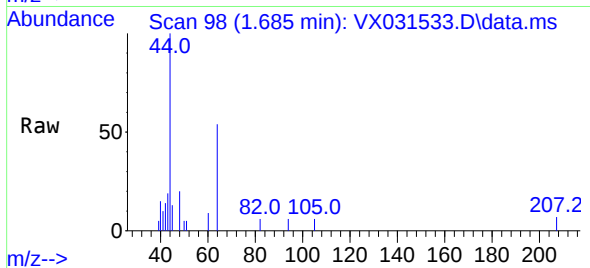
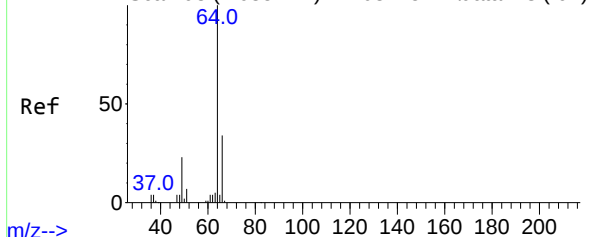


#4
Vinyl Chloride
Concen: 4.091 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 62 Resp: 6902
Ion Ratio Lower Upper
62 100
64 29.1 25.3 37.9



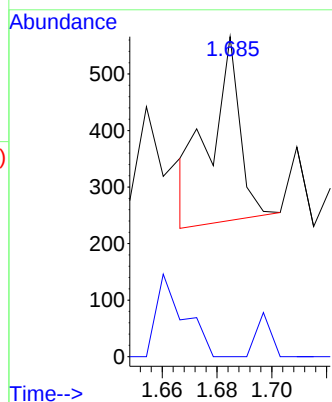
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

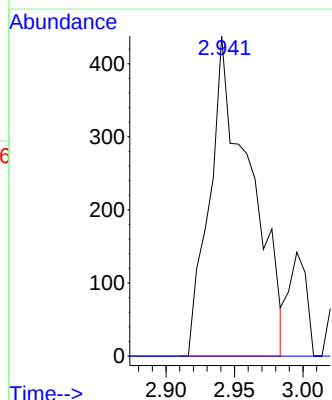
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

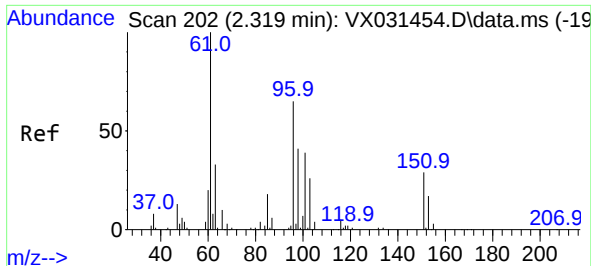
Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 59 Resp: 900
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

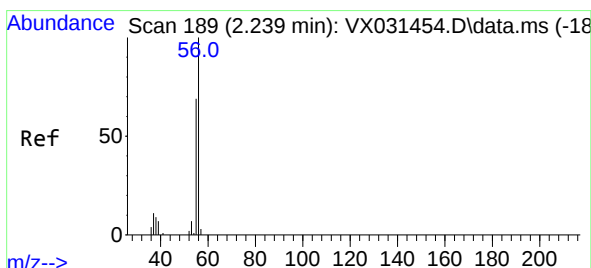
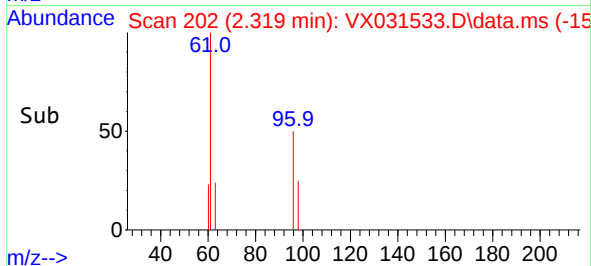
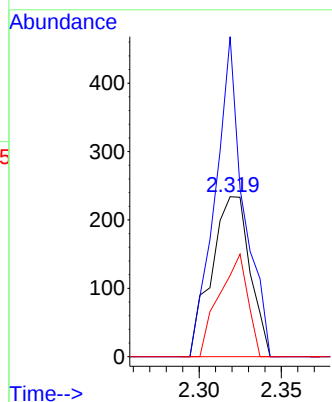
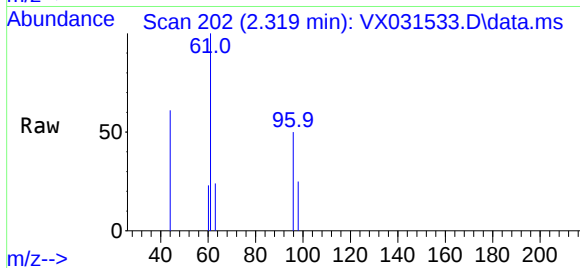




#12
1,1-Dichloroethene
Concen: 0.316 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

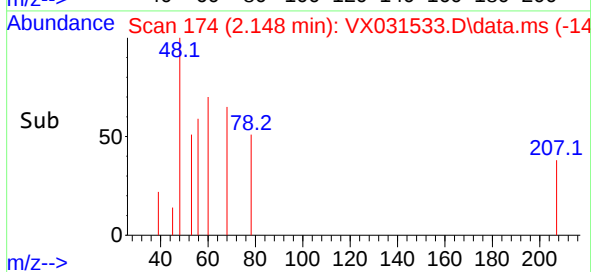
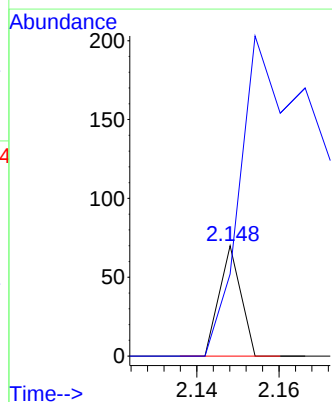
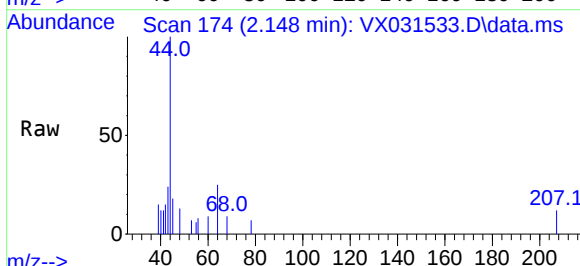
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

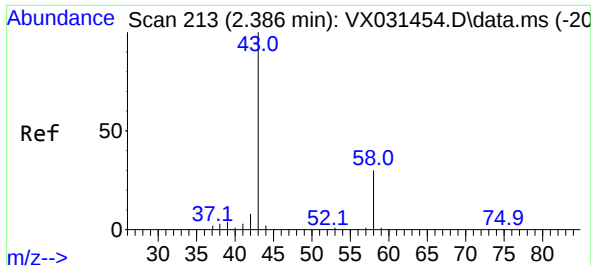
Tgt Ion: 96 Resp: 382
Ion Ratio Lower Upper
96 100
61 200.0 135.3 202.9
98 50.9 49.4 74.2



#13
Acrolein
Concen: Below Cal
RT: 2.148 min Scan# 174
Delta R.T. -0.091 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 1342.3 56.0 84.0#

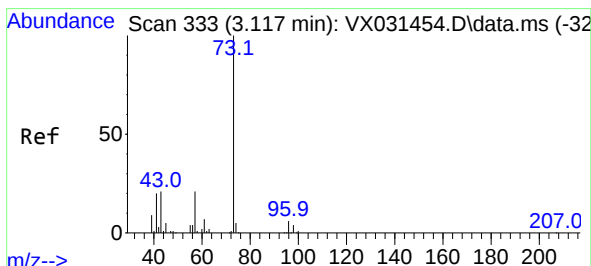
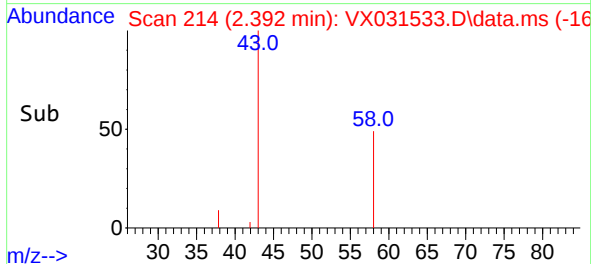
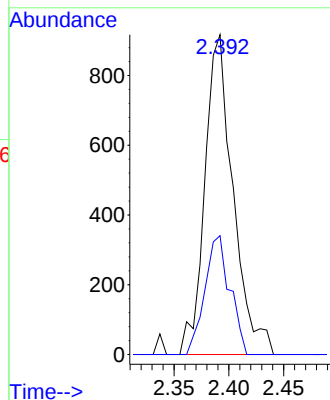
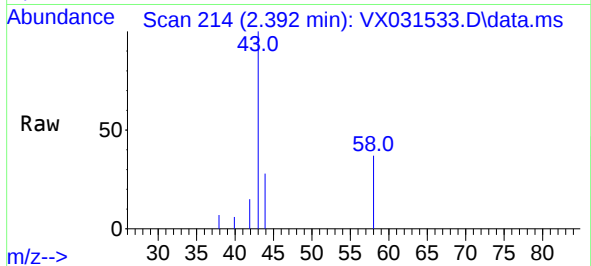




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

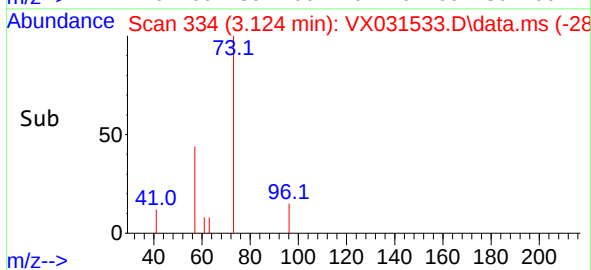
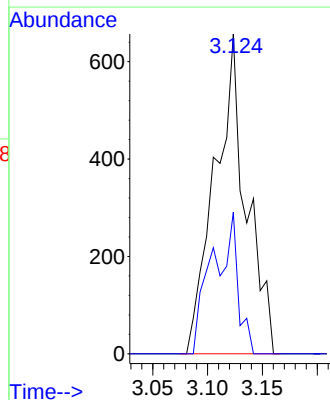
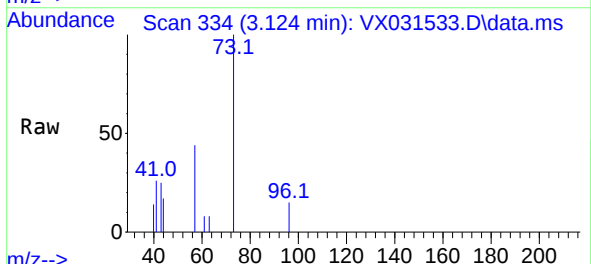
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

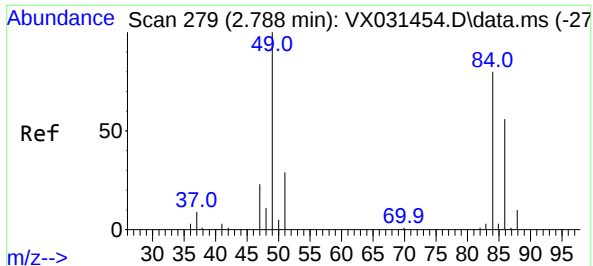
Tgt Ion: 43 Resp: 1648
Ion Ratio Lower Upper
43 100
58 37.2 23.8 35.8#



#19
Methyl tert-butyl Ether
Concen: 0.300 ug/l
RT: 3.124 min Scan# 334
Delta R.T. 0.007 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 73 Resp: 1310
Ion Ratio Lower Upper
73 100
57 44.3 17.2 25.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031533.D

Acq: 21 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-3RRA

Tgt Ion: 84 Resp: 76

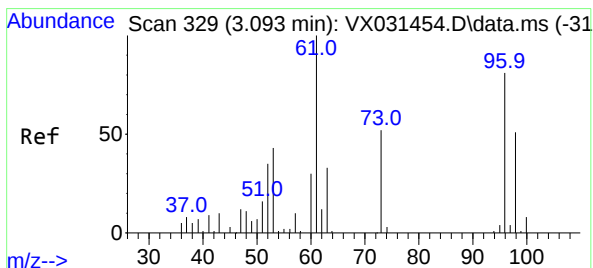
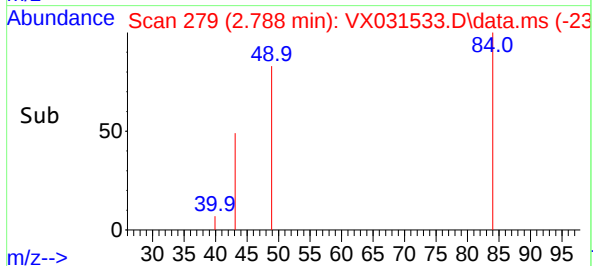
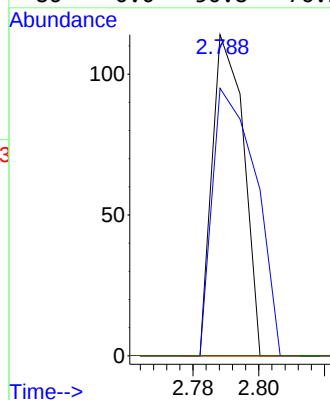
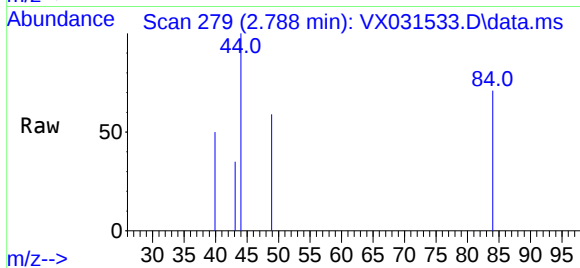
Ion Ratio Lower Upper

84 100

49 83.3 105.9 158.9#

51 0.0 32.2 48.2#

86 0.0 50.8 76.2#



#21

trans-1,2-Dichloroethene

Concen: 1.158 ug/l

RT: 3.087 min Scan# 328

Delta R.T. -0.006 min

Lab File: VX031533.D

Acq: 21 Sep 2022 18:37

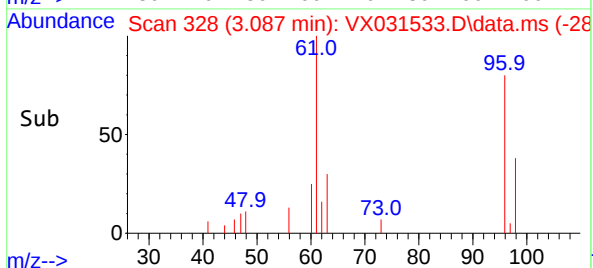
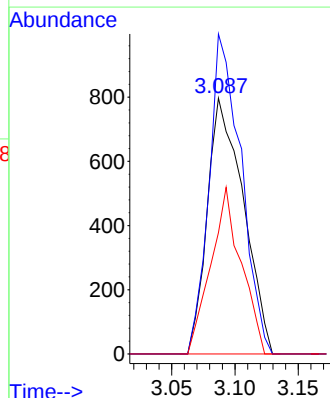
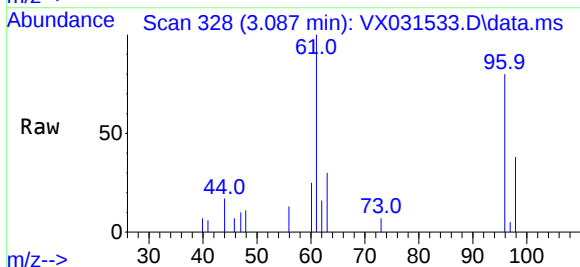
Tgt Ion: 96 Resp: 1579

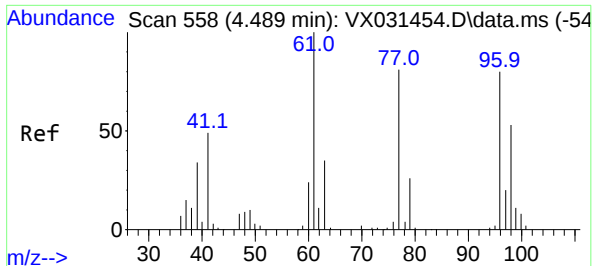
Ion Ratio Lower Upper

96 100

61 125.1 106.7 160.1

98 47.4 48.7 73.1#

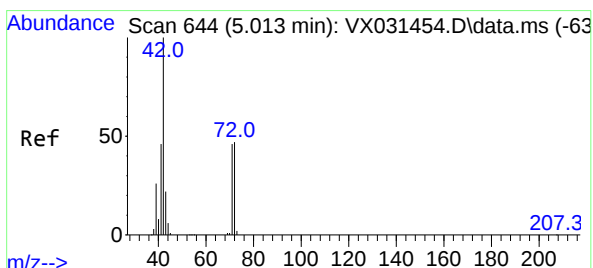
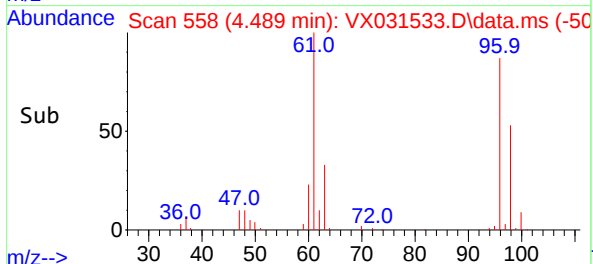
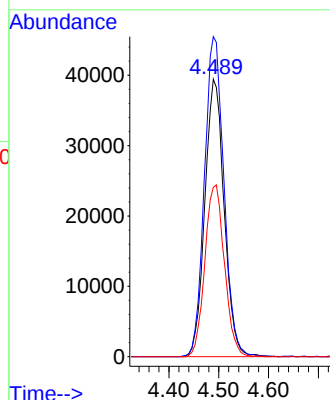
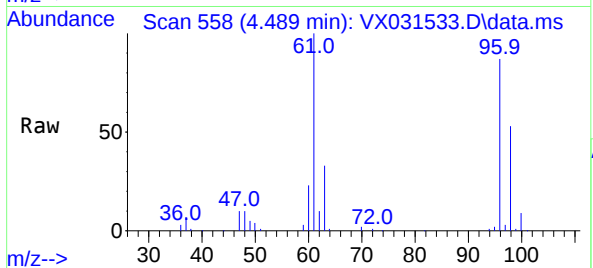




#27
cis-1,2-Dichloroethene
Concen: 64.533 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

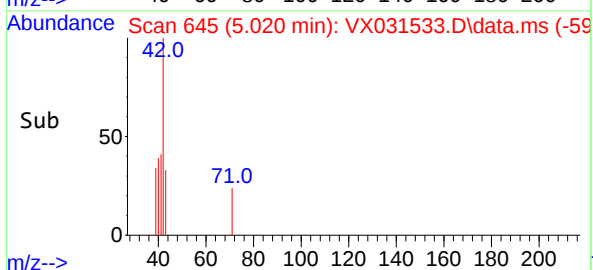
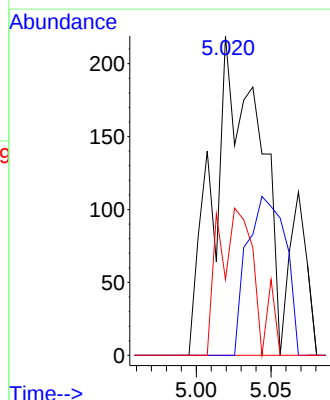
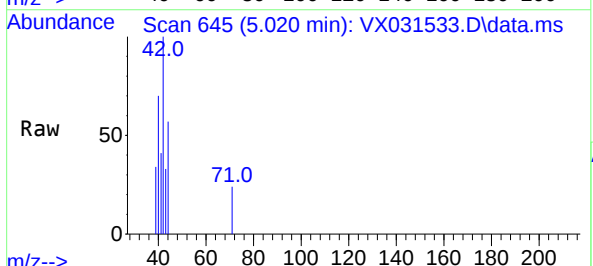
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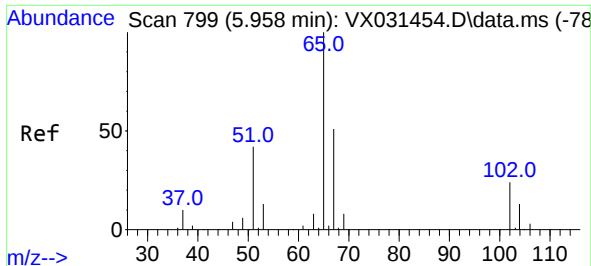
Tgt Ion: 96 Resp: 106048
Ion Ratio Lower Upper
96 100
61 116.3 0.0 305.2
98 62.8 0.0 128.4



#29
Tetrahydrofuran
Concen: 0.655 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.007 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 42 Resp: 469
Ion Ratio Lower Upper
42 100
72 0.0 36.4 54.6#
71 36.7 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 57.858 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031533.D

Acq: 21 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

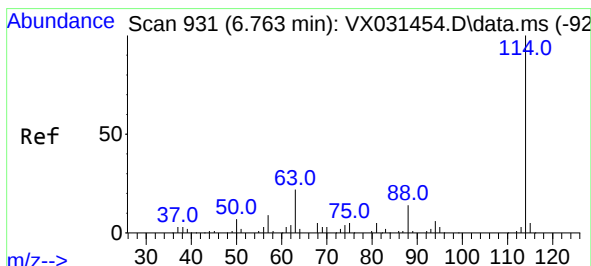
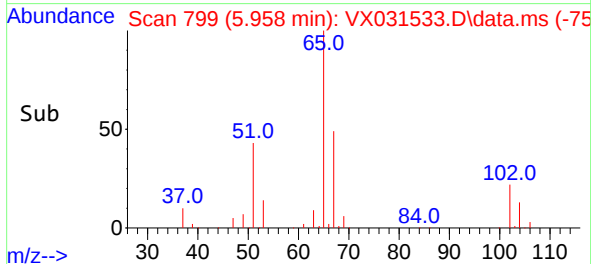
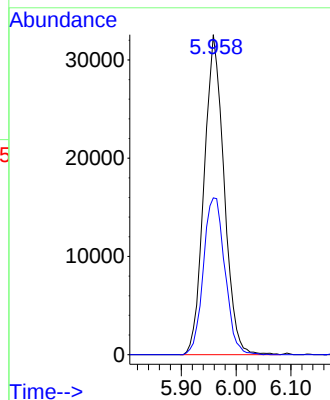
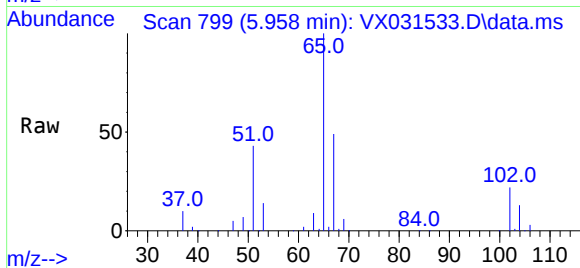
MW-3RRA

Tgt Ion: 65 Resp: 82222

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031533.D

Acq: 21 Sep 2022 18:37

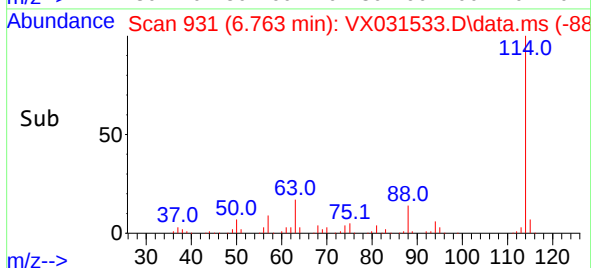
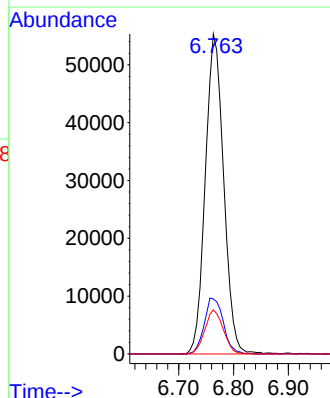
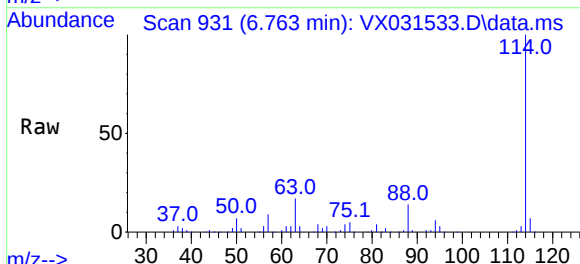
Tgt Ion: 114 Resp: 128513

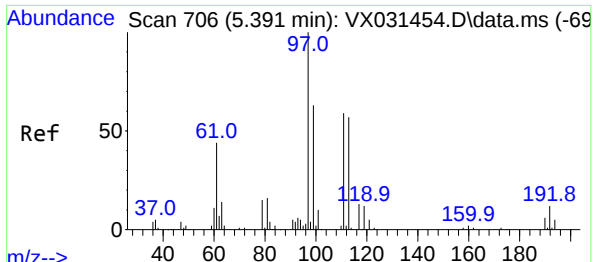
Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.6

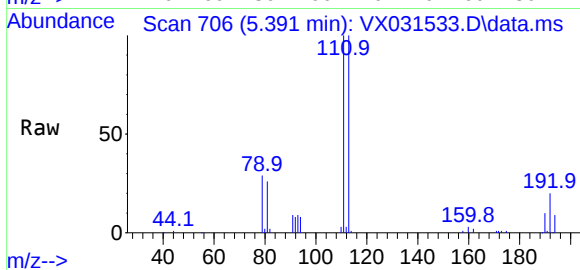
88 13.8 0.0 33.0



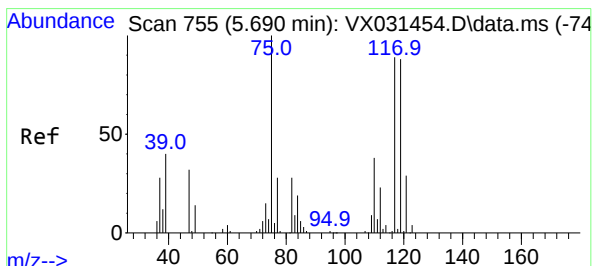
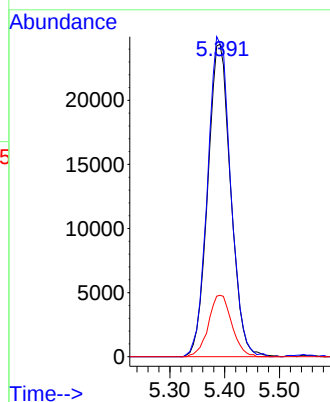
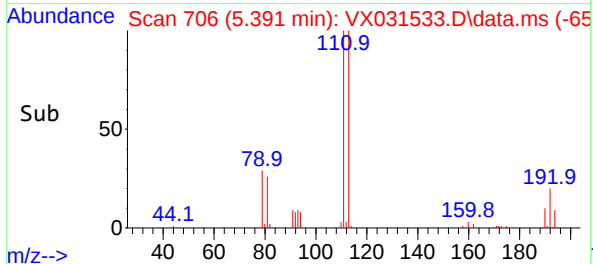


#35
Dibromofluoromethane
Concen: 53.295 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

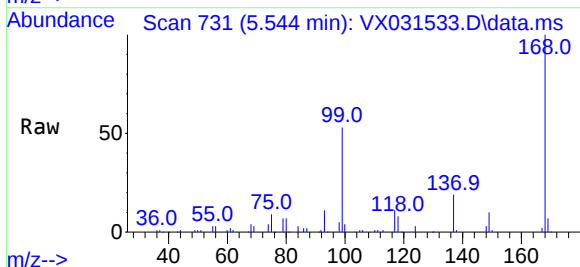
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA



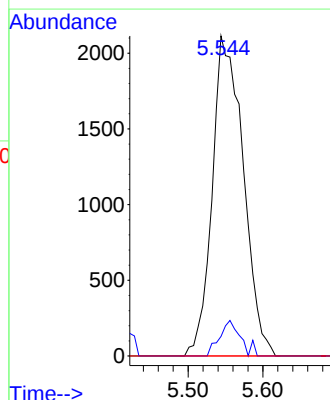
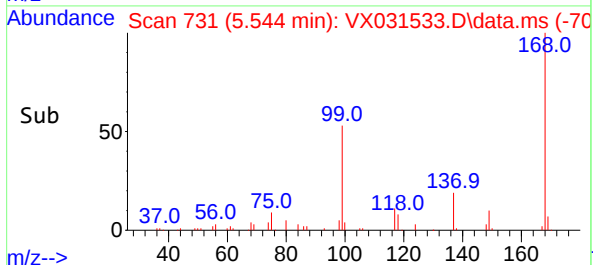
Tgt Ion:113 Resp: 70729
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 19.9 14.1 21.1

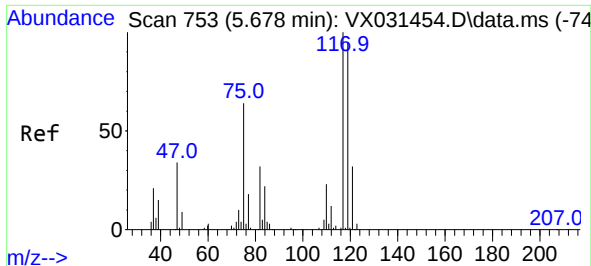


#36
1,1-Dichloropropene
Concen: 2.983 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37



Tgt Ion: 75 Resp: 6094
Ion Ratio Lower Upper
75 100
110 7.5 17.5 52.5#
77 0.0 24.9 37.3#

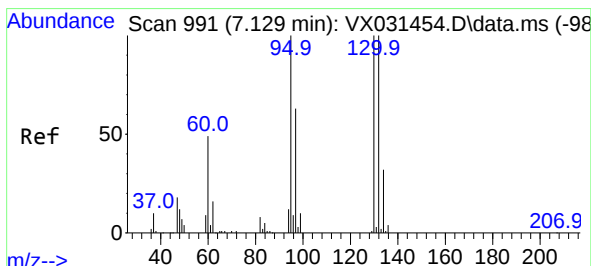
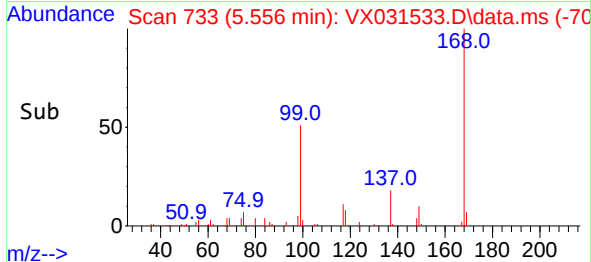
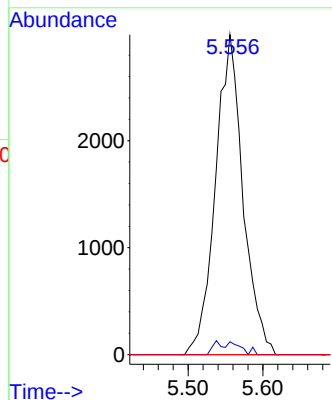
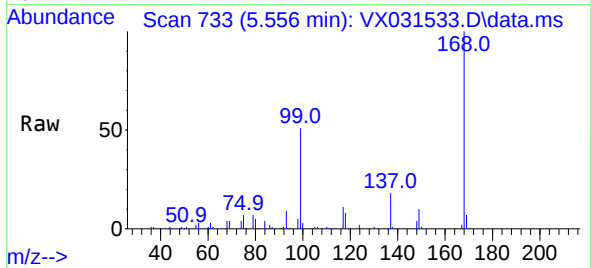




#38
Carbon Tetrachloride
Concen: 3.383 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

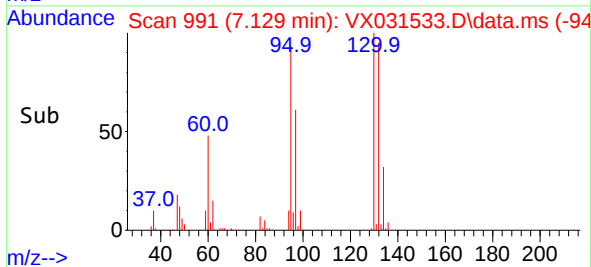
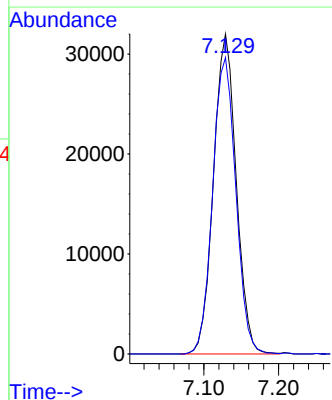
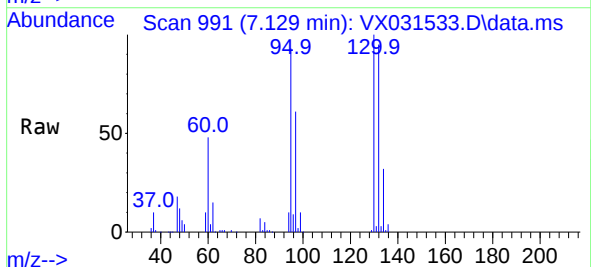
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

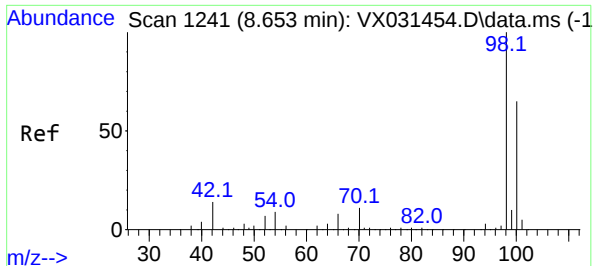
Tgt Ion:117 Resp: 7659
Ion Ratio Lower Upper
117 100
119 4.0 74.6 112.0#
121 0.0 25.3 37.9#



#44
Trichloroethene
Concen: 39.186 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion:130 Resp: 67710
Ion Ratio Lower Upper
130 100
95 92.6 0.0 206.8

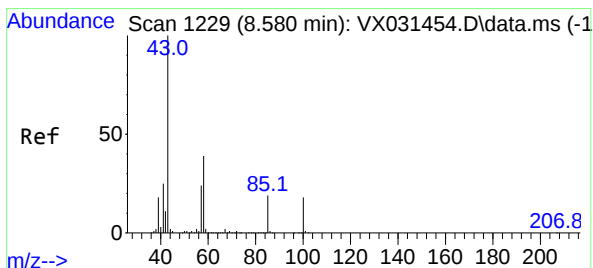
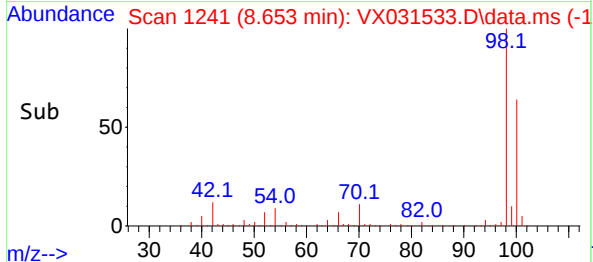
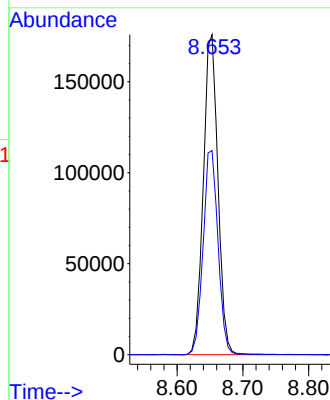
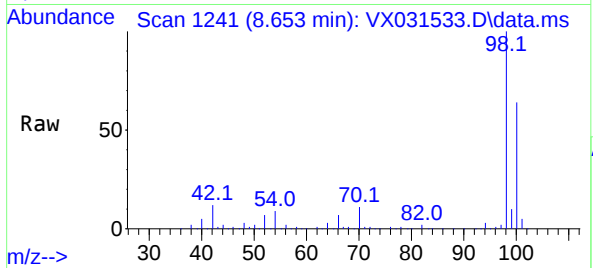




#50
Toluene-d8
Concen: 53.165 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

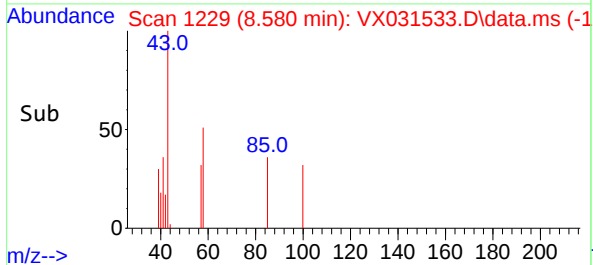
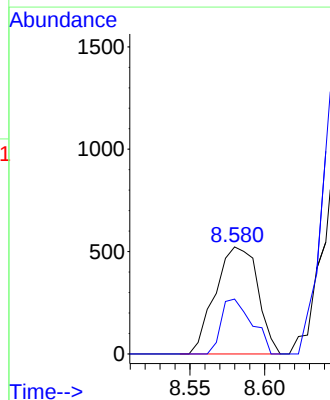
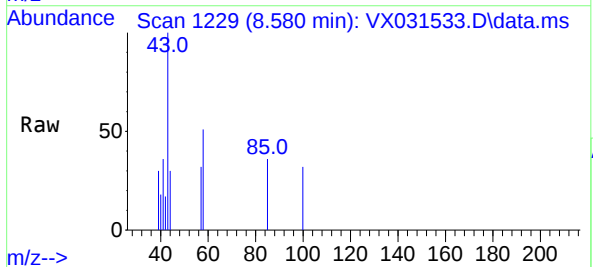
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

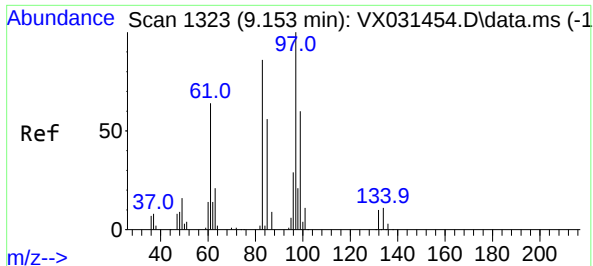
Tgt Ion: 98 Resp: 272209
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.428 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 37.2 30.6 46.0

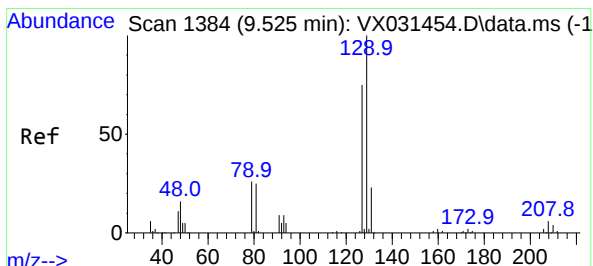
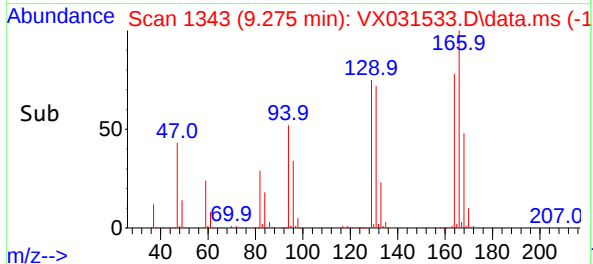
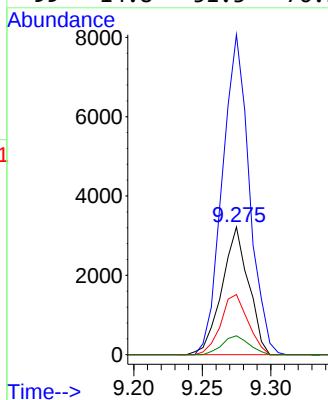
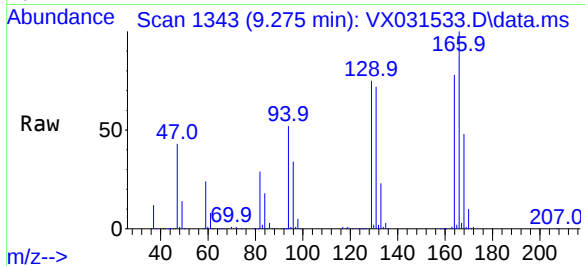




#55
1,1,2-Trichloroethane
Concen: 2.660 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

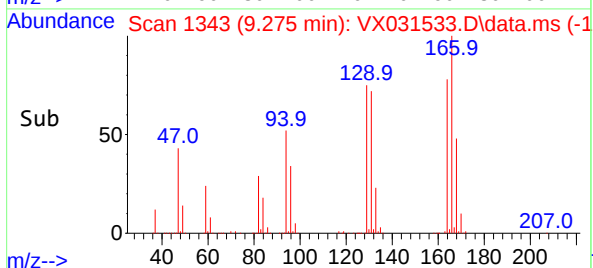
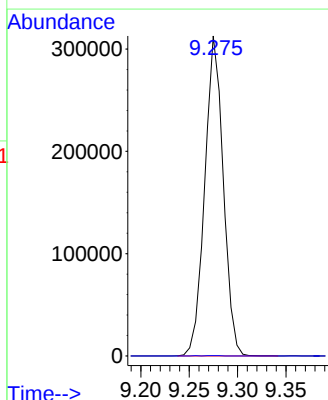
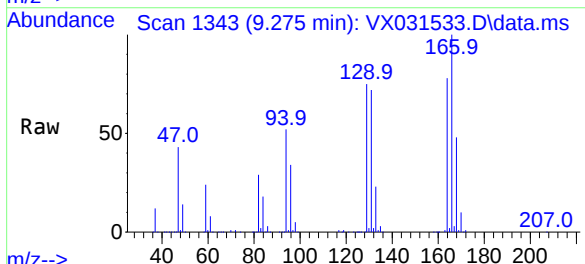
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

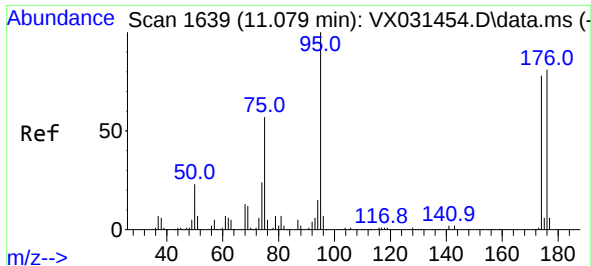
Tgt Ion: 97	Resp: 4357
Ion Ratio	Lower Upper
97	100
83	250.6 69.0 103.6#
85	47.0 44.1 66.1
99	14.8 51.3 76.9#



#60
Dibromochloromethane
Concen: 240.197 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 129	Resp: 417729
Ion Ratio	Lower Upper
129	100
127	0.1 38.7 116.1#

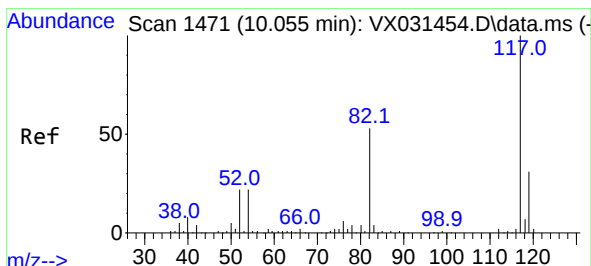
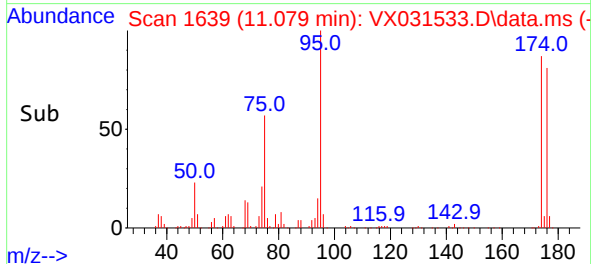
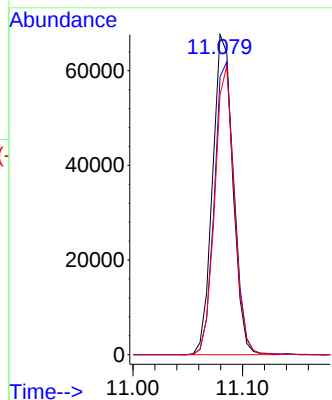
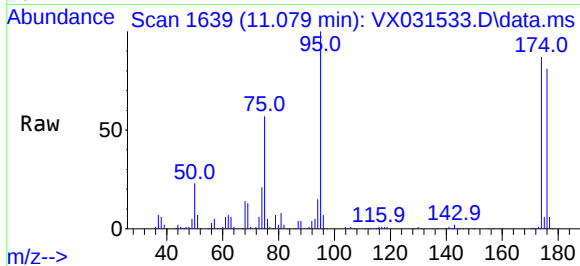




#62
4-Bromofluorobenzene
Concen: 50.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

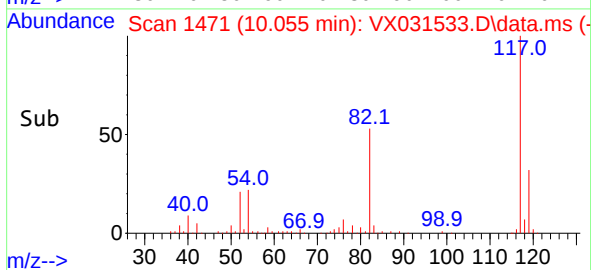
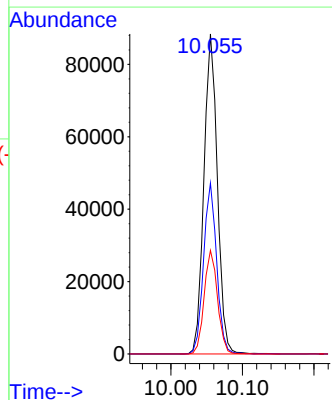
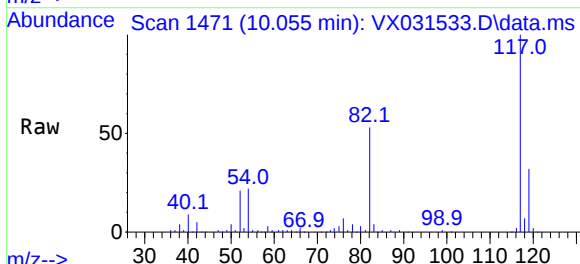
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

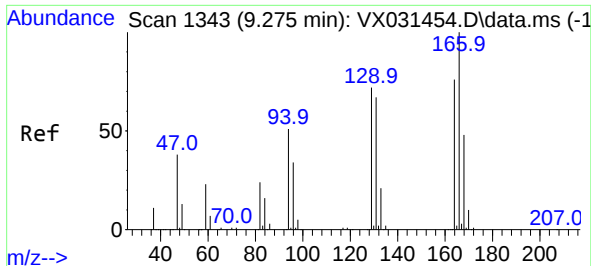
Tgt Ion: 95 Resp: 87036
Ion Ratio Lower Upper
95 100
174 90.8 0.0 153.2
176 86.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

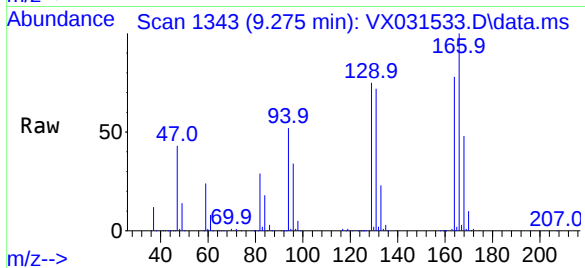
Tgt Ion: 117 Resp: 115770
Ion Ratio Lower Upper
117 100
82 53.4 46.8 70.2
119 32.4 26.4 39.6



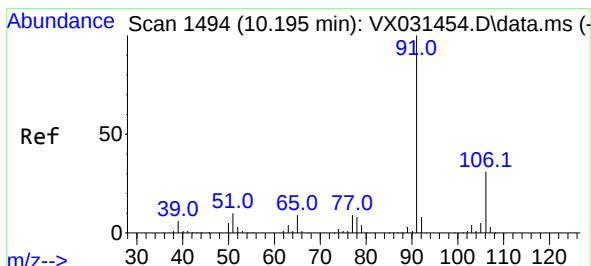
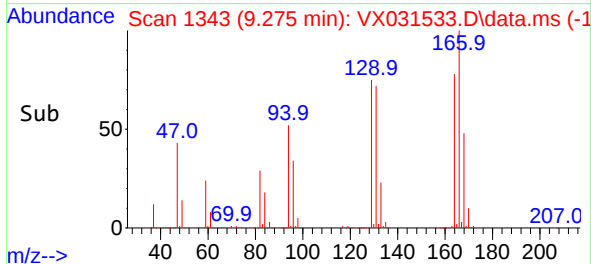
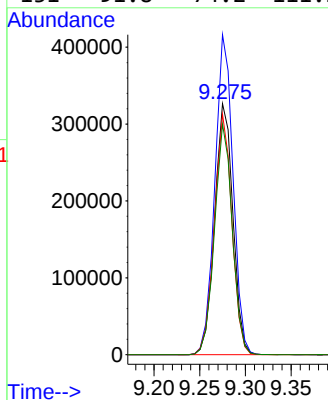


#64
Tetrachloroethene
Concen: 326.506 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

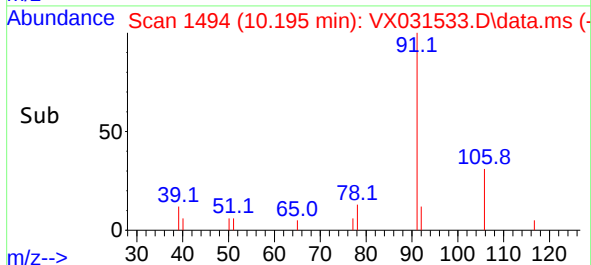
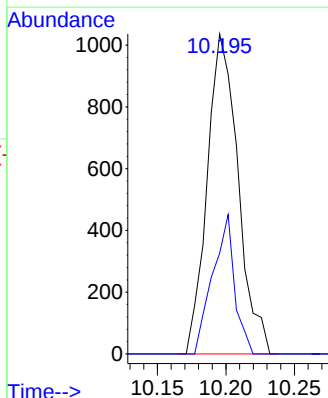
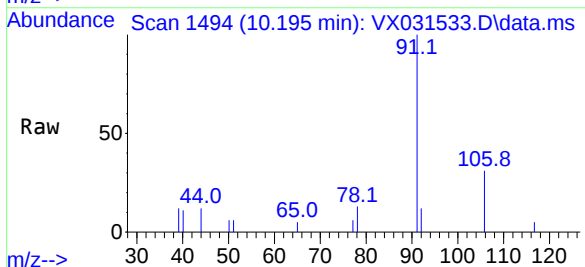


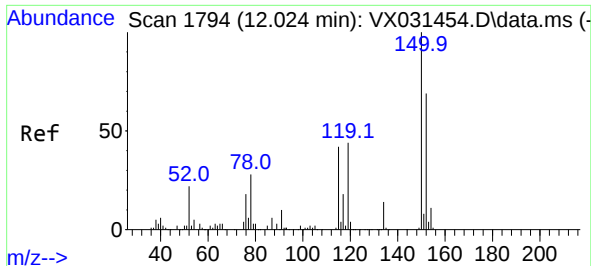
Tgt Ion:164 Resp: 454021
Ion Ratio Lower Upper
164 100
166 127.4 99.0 148.4
129 95.8 78.0 117.0
131 91.8 74.2 111.2



#67
Ethyl Benzene
Concen: 0.257 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

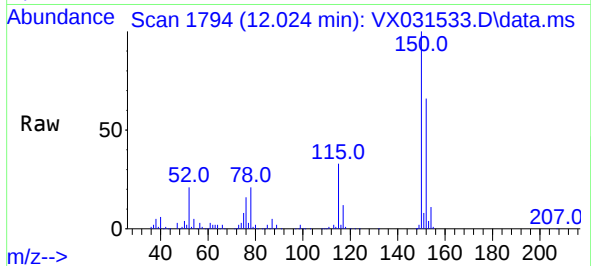
Tgt Ion: 91 Resp: 1622
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



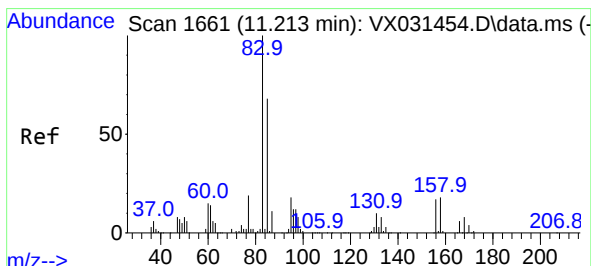
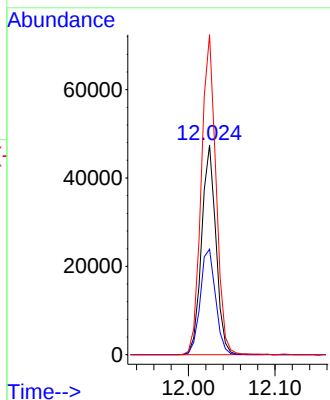
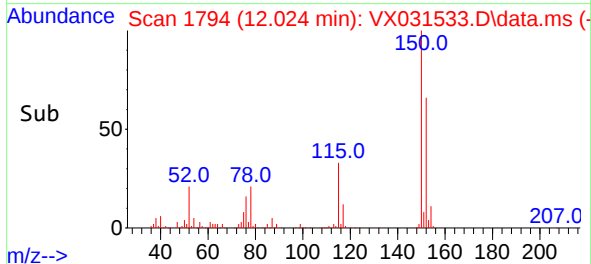


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

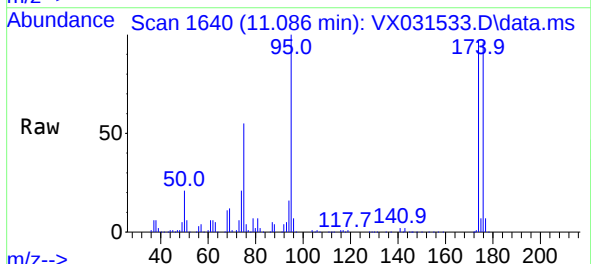
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA



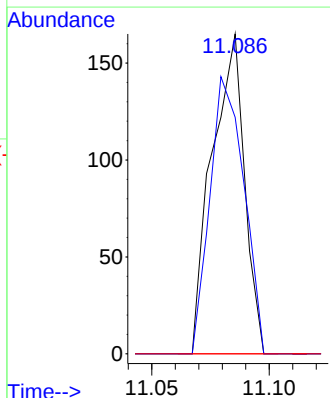
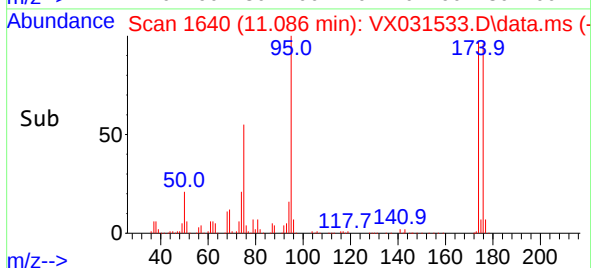
Tgt Ion:152 Resp: 54698
Ion Ratio Lower Upper
152 100
115 53.8 43.4 130.1
150 156.1 0.0 346.8

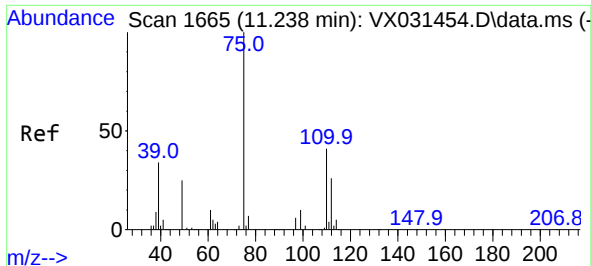


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.086 min Scan# 1640
Delta R.T. -0.127 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37



Tgt Ion: 83 Resp: 158
Ion Ratio Lower Upper
83 100
131 91.1 5.1 15.4#
85 0.0 32.6 97.8#

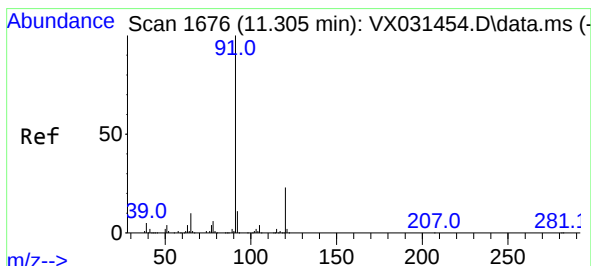
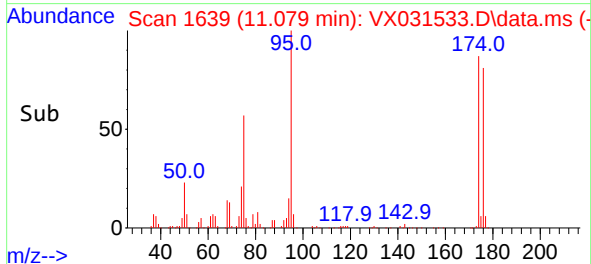
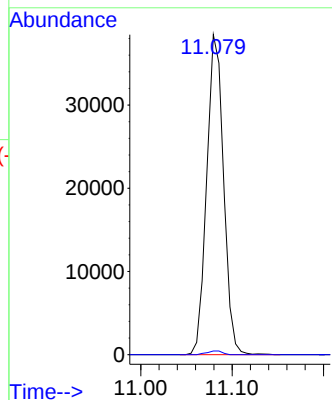
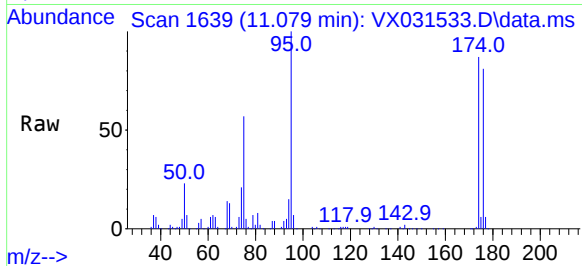




#76
1,2,3-Trichloropropane
Concen: 40.319 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

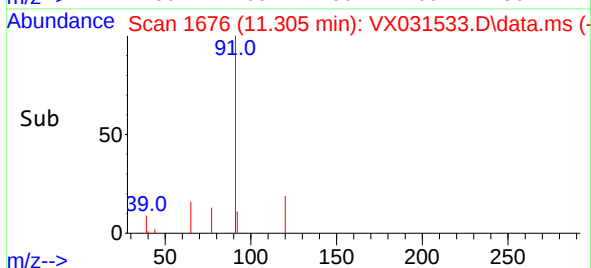
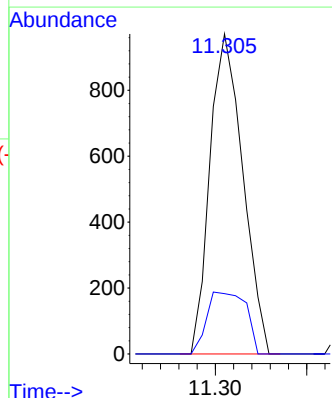
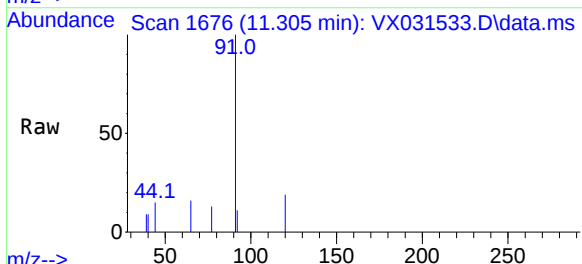
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

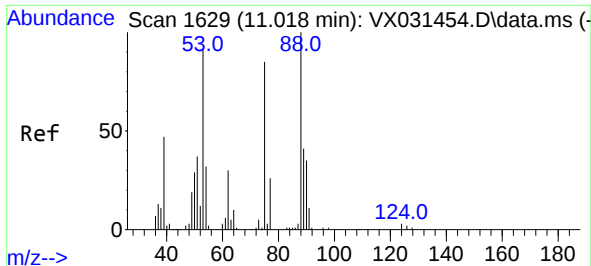
Tgt Ion: 75 Resp: 49222
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#78
n-propylbenzene
Concen: 0.259 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Tgt Ion: 91 Resp: 1216
Ion Ratio Lower Upper
91 100
120 22.9 11.8 35.4

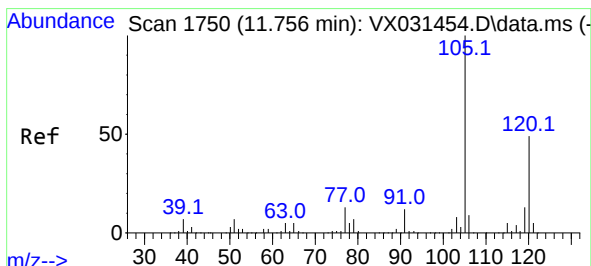
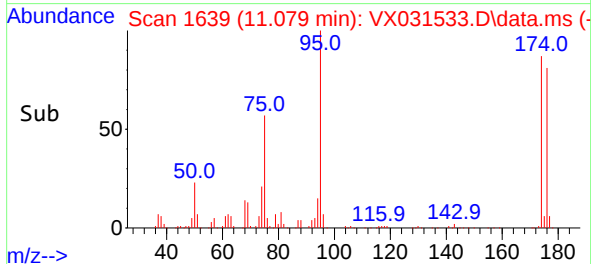
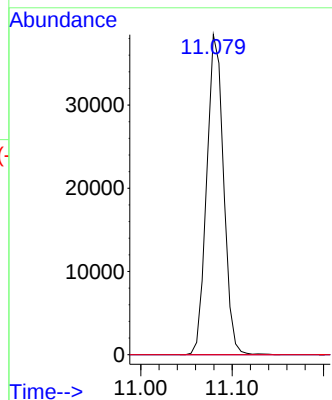
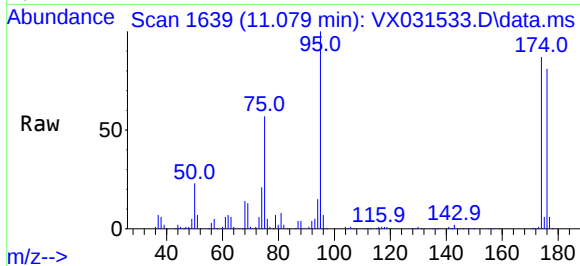




#81
trans-1,4-Dichloro-2-butene
Concen: 129.823 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

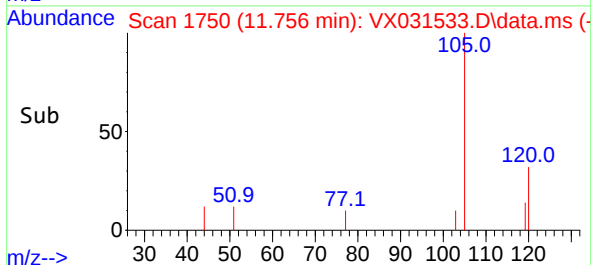
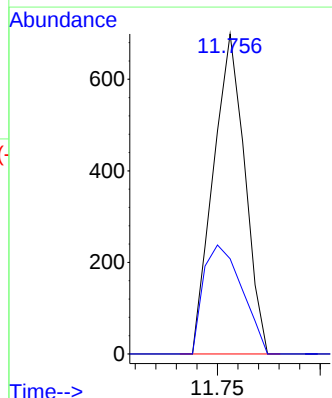
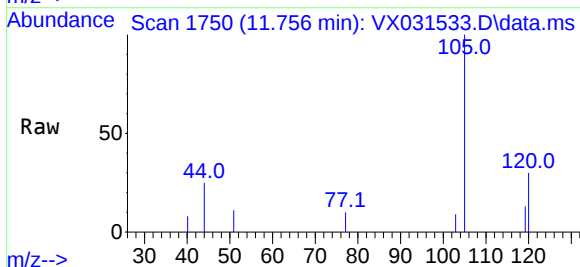
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA

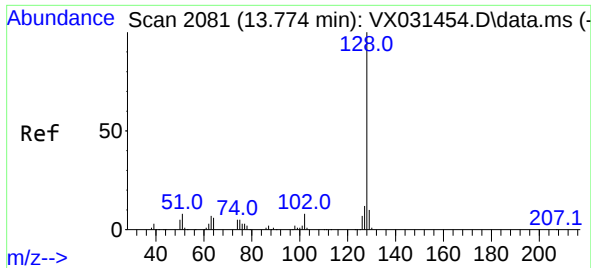
Tgt Ion: 75 Resp: 49222
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.218 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

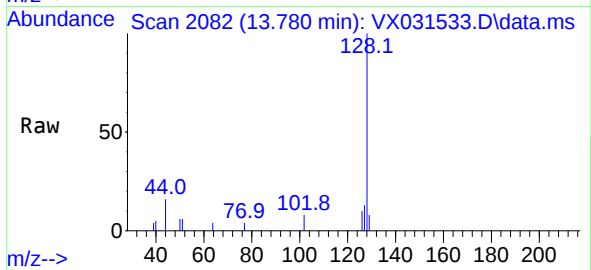
Tgt Ion:105 Resp: 745
Ion Ratio Lower Upper
105 100
120 41.7 22.6 67.8





#95
Naphthalene
Concen: 0.477 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX031533.D
Acq: 21 Sep 2022 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRA



Tgt Ion:	128	Resp:	1869
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	10.7	8.8	13.2

