

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031534.D
 Acq On : 21 Sep 2022 19:01
 Operator : JC/MD
 Sample : N4614-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 01:15:51 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)

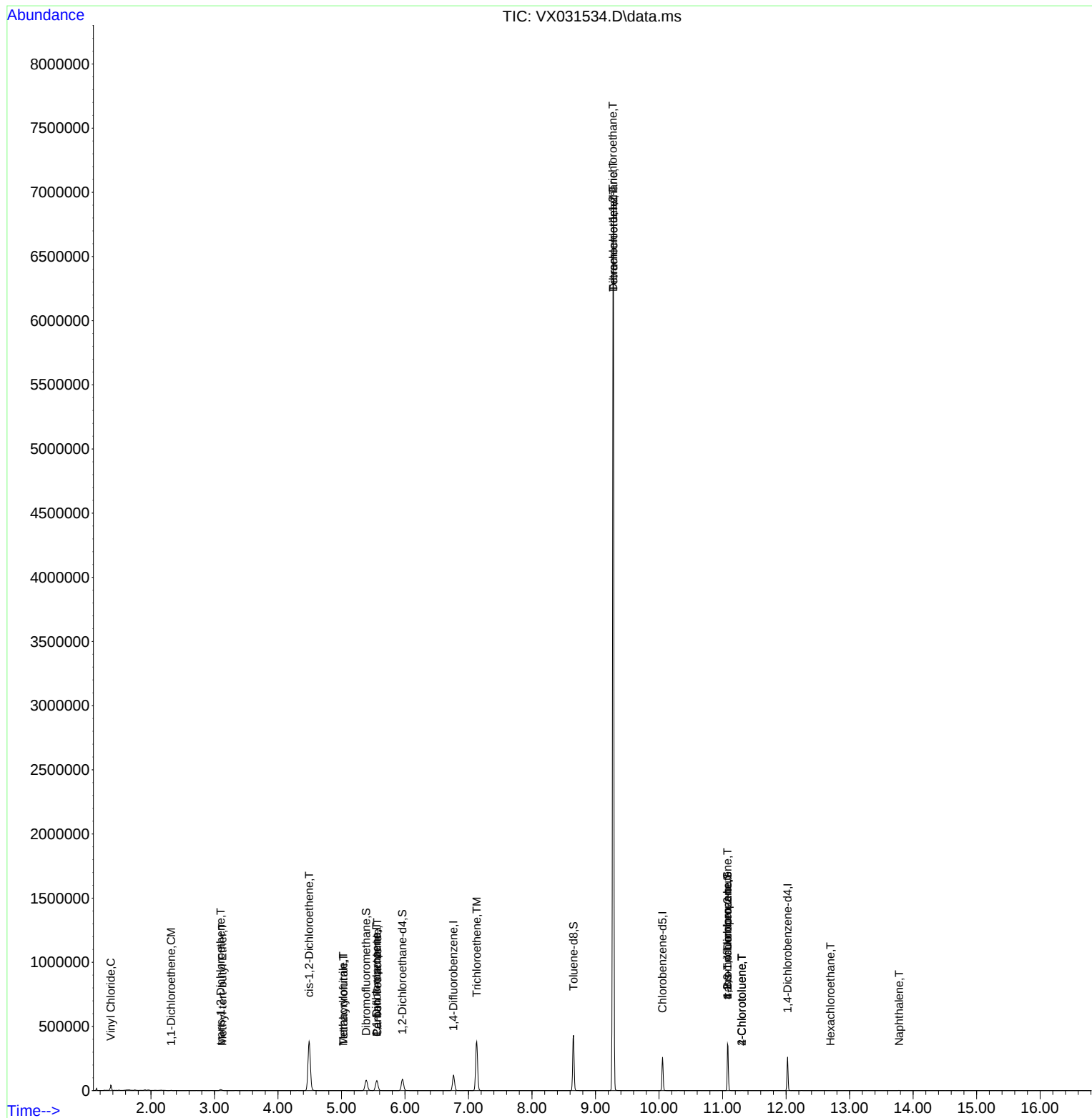
Internal Standards						
1) Pentafluorobenzene	5.556	168	74493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77780	56.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.960%	
35) Dibromofluoromethane	5.385	113	66481	53.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.160%	
50) Toluene-d8	8.653	98	254511	52.676	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.360%	
62) 4-Bromofluorobenzene	11.079	95	81554	49.830	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.660%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.368	62	20072	12.389	ug/l	100
6) Chloroethane	1.685	64	654	Below Cal	#	83
11) Tert butyl alcohol	2.995	59	294	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	723	0.624	ug/l	90
13) Acrolein	2.160	56	92	Below Cal	#	1
16) Acetone	2.398	43	898	Below Cal		97
19) Methyl tert-butyl Ether	3.123	73	3074	0.733	ug/l	95
20) Methylene Chloride	2.794	84	139	Below Cal	#	32
21) trans-1,2-Dichloroethene	3.099	96	2710	2.070	ug/l	# 86
27) cis-1,2-Dichloroethene	4.489	96	234765	148.765	ug/l	80
29) Tetrahydrofuran	5.032	42	1042	1.515	ug/l	# 64
36) 1,1-Dichloropropene	5.550	75	5700	2.957	ug/l	# 50
38) Carbon Tetrachloride	5.562	117	7732	3.619	ug/l	# 17
41) Methacrylonitrile	5.026	41	472	0.412	ug/l	# 47
44) Trichloroethene	7.129	130	142969	87.679	ug/l	92
55) 1,1,2-Trichloroethane	9.275	97	10501	6.795	ug/l	# 8
60) Dibromochloromethane	9.281	129	1009861	615.339	ug/l	# 11
64) Tetrachloroethene	9.281	164	1092918	824.157	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.085	83	151	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	46732	40.176	ug/l	# 36
79) 2-Chlorotoluene	11.305	91	875	0.328	ug/l	# 40
81) trans-1,4-Dichloro-2-b...	11.079	75	46732	129.359	ug/l	# 11
82) 4-Chlorotoluene	11.305	91	875	0.280	ug/l	# 44
90) Hexachloroethane	12.701	117	178	0.303	ug/l	# 15
95) Naphthalene	13.780	128	1255	0.336	ug/l	# 83

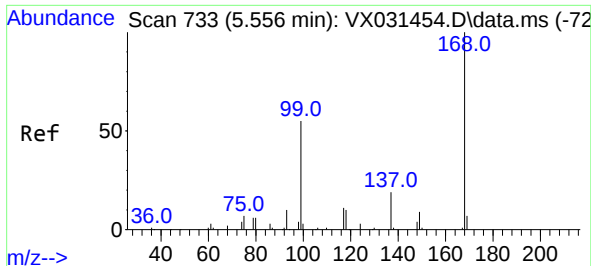
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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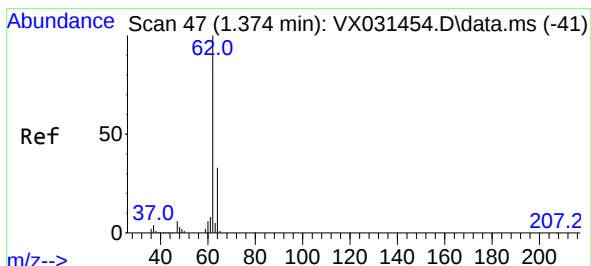
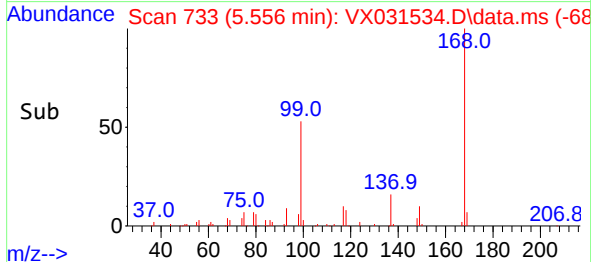
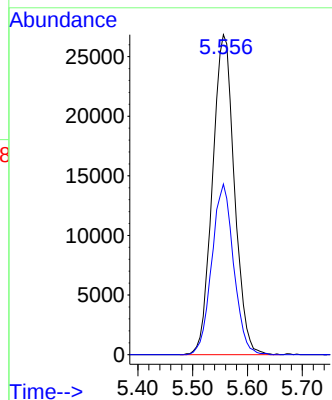
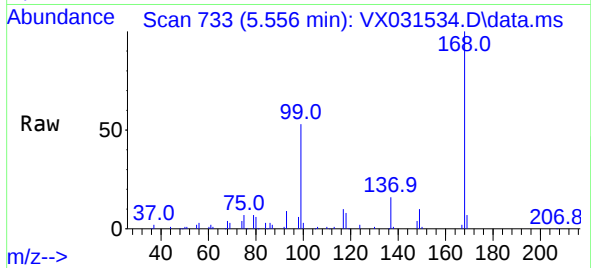




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

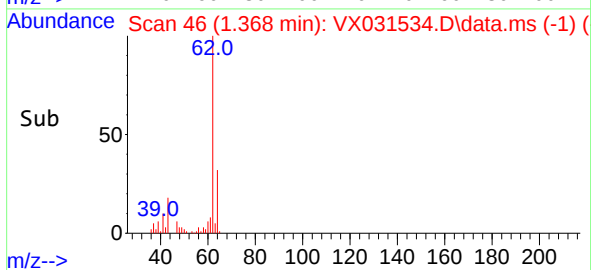
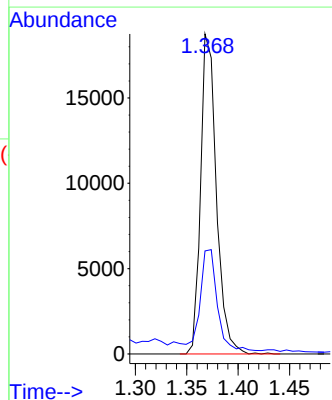
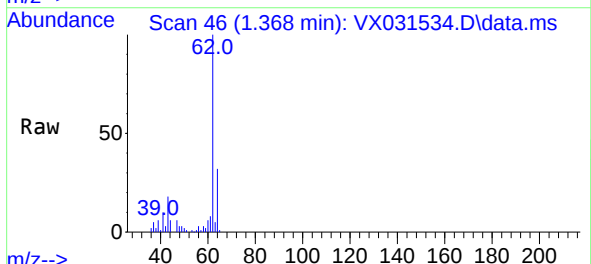
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 74493
Ion Ratio Lower Upper
168 100
99 53.3 48.8 73.2

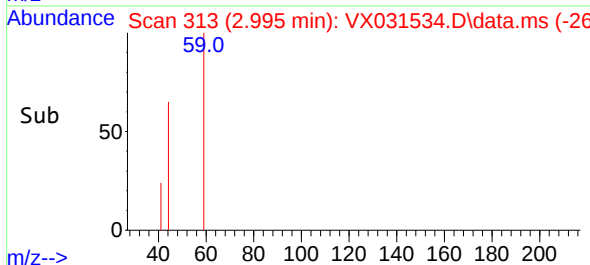
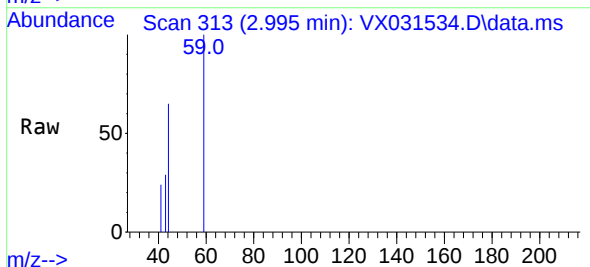
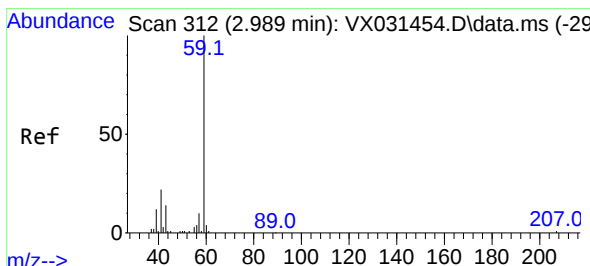
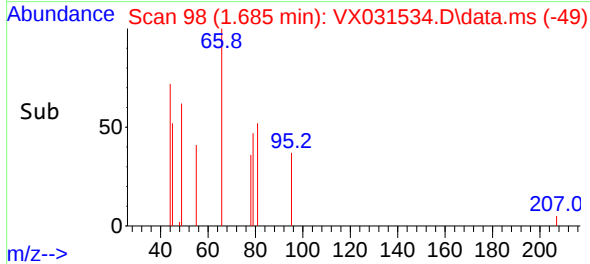
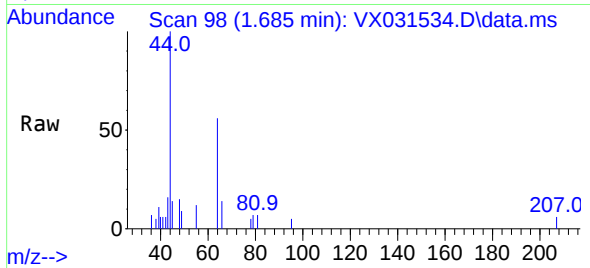
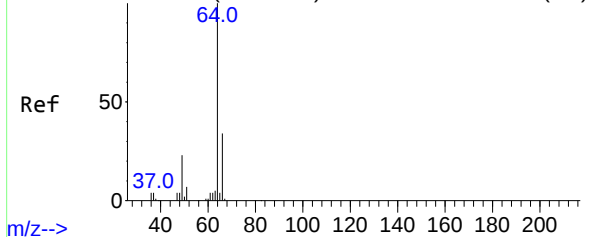


#4
Vinyl Chloride
Concen: 12.389 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 62 Resp: 20072
Ion Ratio Lower Upper
62 100
64 31.4 25.3 37.9

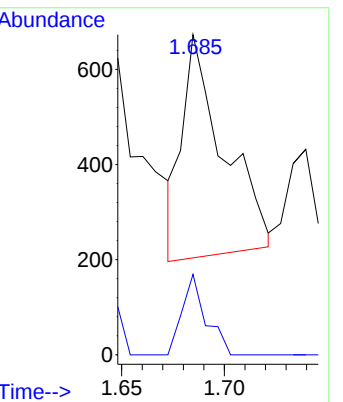


Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



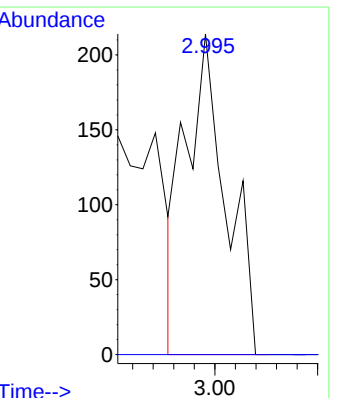
#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

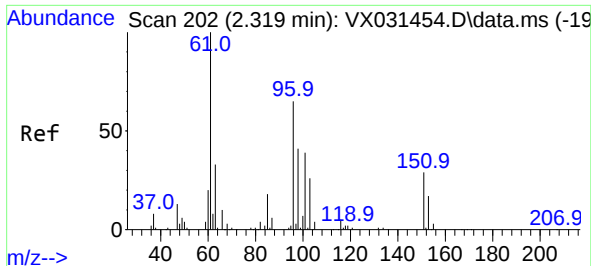
Tgt Ion: 64 Resp: 654
Ion Ratio Lower Upper
64 100
66 40.5 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.995 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.624 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

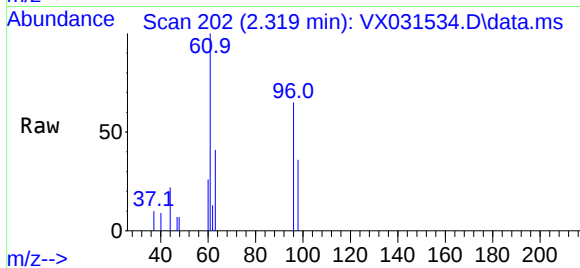
Lab File: VX031534.D

Acq: 21 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :



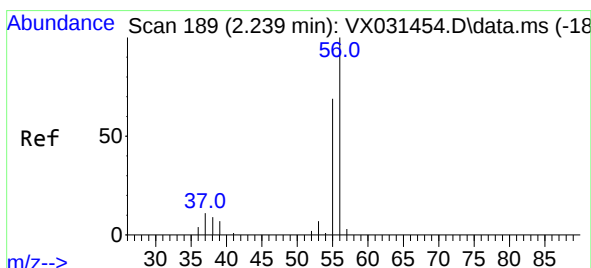
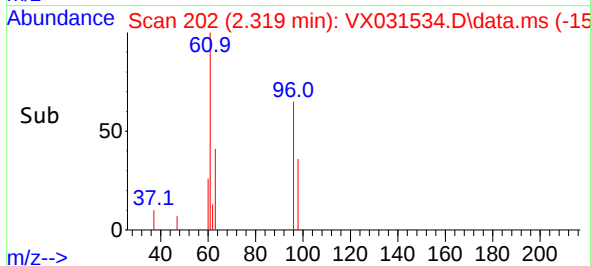
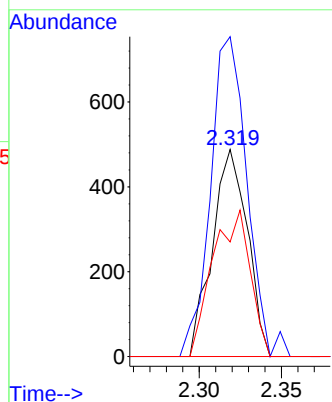
Tgt Ion: 96 Resp: 723

Ion Ratio Lower Upper

96 100

61 154.5 135.3 202.9

98 55.3 49.4 74.2



#13

Acrolein

Concen: Below Cal

RT: 2.160 min Scan# 176

Delta R.T. -0.079 min

Lab File: VX031534.D

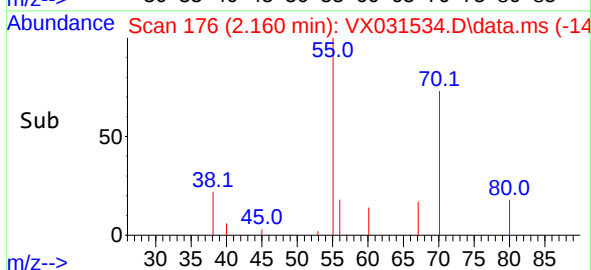
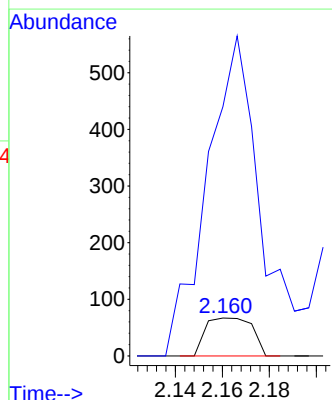
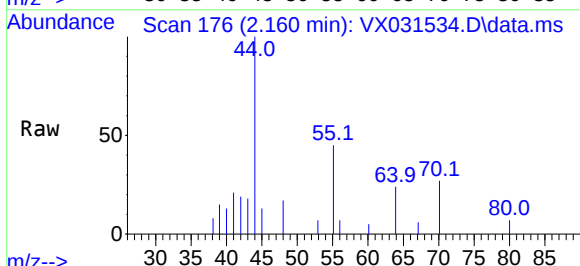
Acq: 21 Sep 2022 19:01

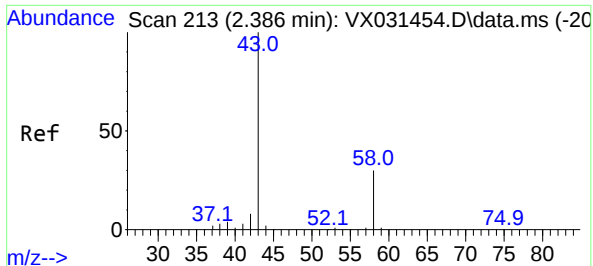
Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 953.3 56.0 84.0#

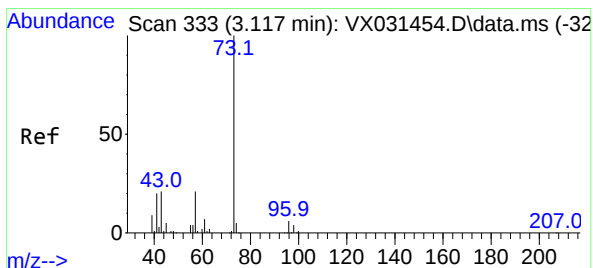
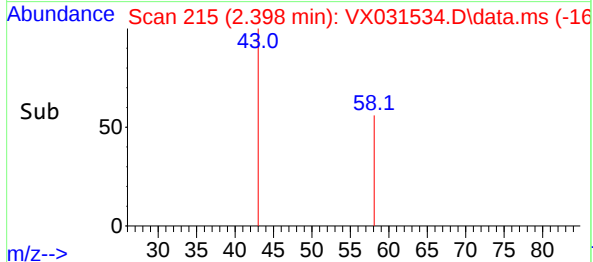
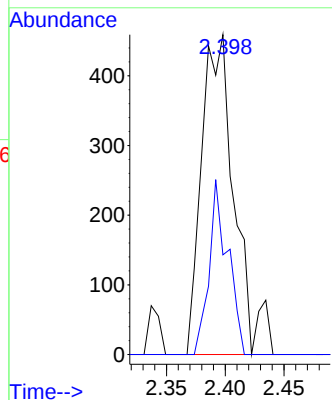
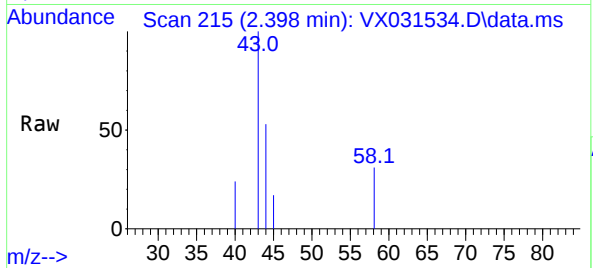




#16
Acetone
Concen: Below Cal
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

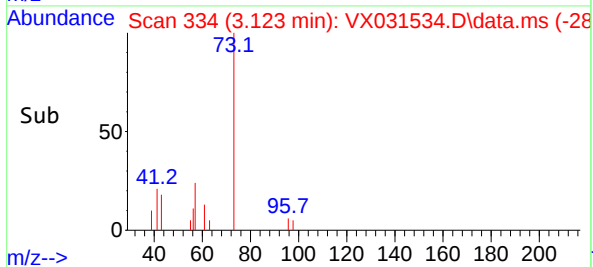
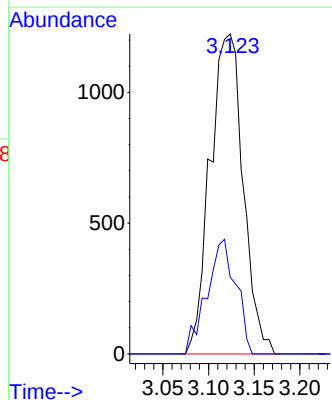
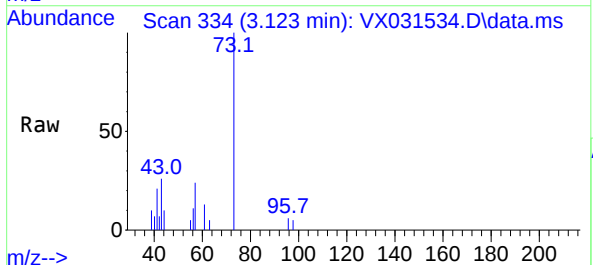
Instrument :
MSVOA_X
ClientSampleId :

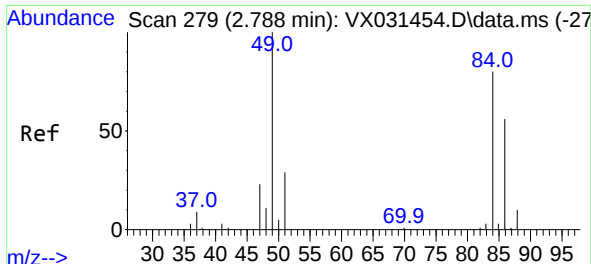
Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 31.2 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 0.733 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 73 Resp: 3074
Ion Ratio Lower Upper
73 100
57 24.0 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

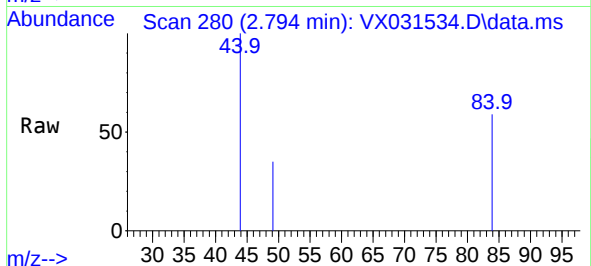
Lab File: VX031534.D

Acq: 21 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 139

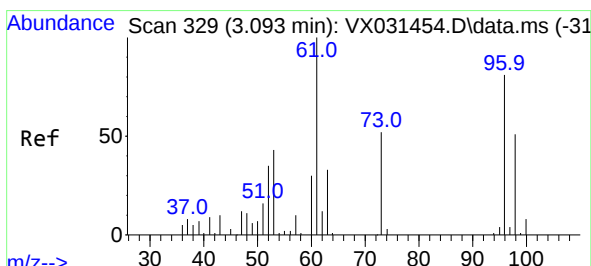
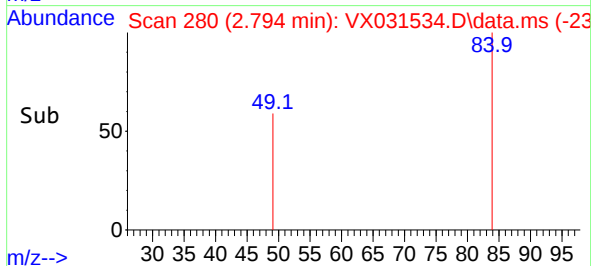
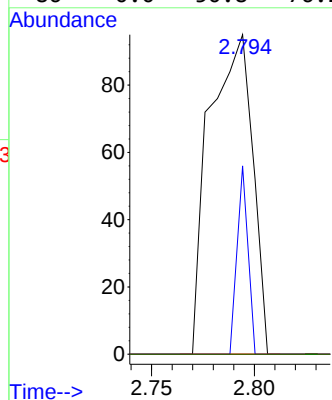
Ion Ratio Lower Upper

84 100

49 58.9 105.9 158.9#

51 0.0 32.2 48.2#

86 0.0 50.8 76.2#



#21

trans-1,2-Dichloroethene

Concen: 2.070 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX031534.D

Acq: 21 Sep 2022 19:01

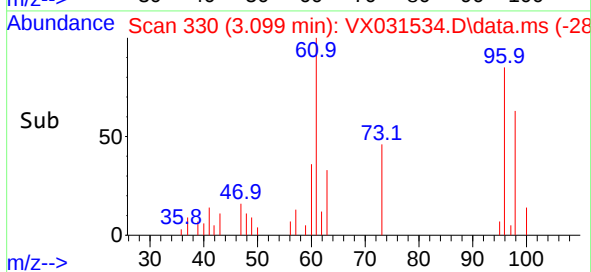
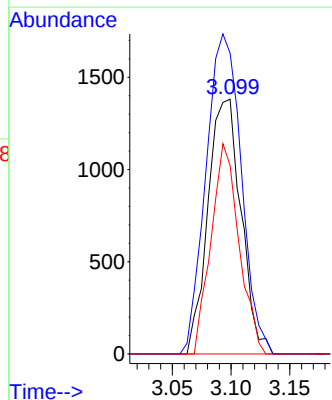
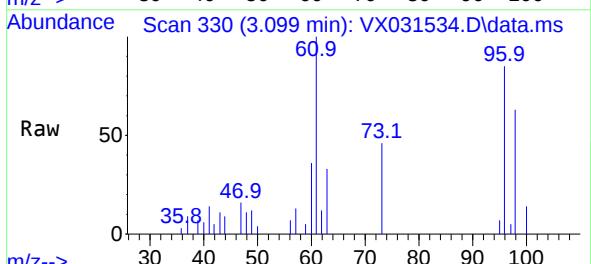
Tgt Ion: 96 Resp: 2710

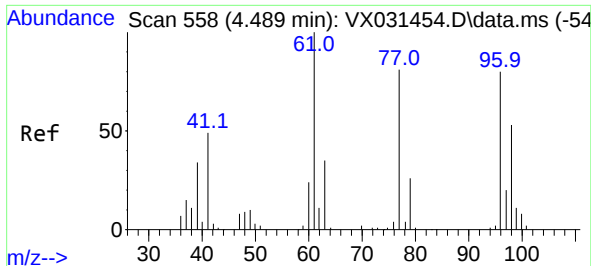
Ion Ratio Lower Upper

96 100

61 118.0 106.7 160.1

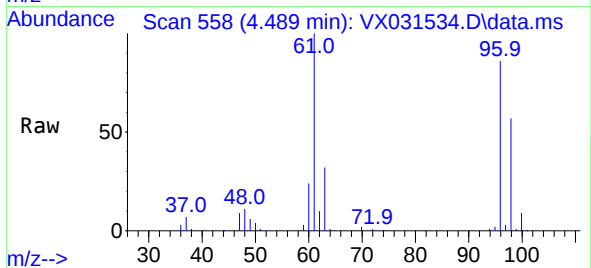
98 74.0 48.7 73.1#





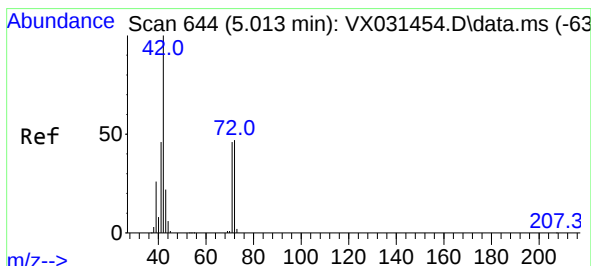
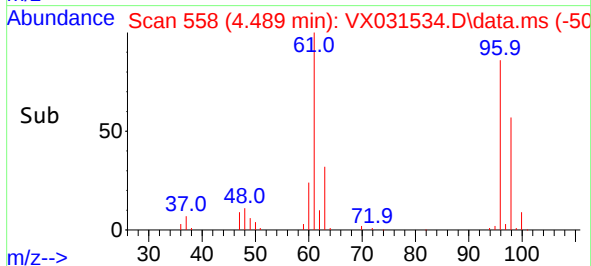
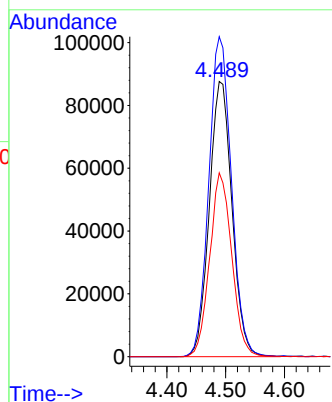
#27
 cis-1,2-Dichloroethene
 Concen: 148.765 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX031534.D
 Acq: 21 Sep 2022 19:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 96 Resp: 234765

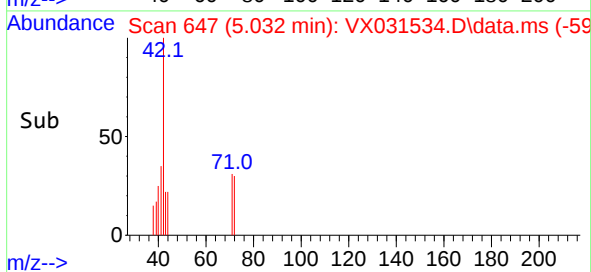
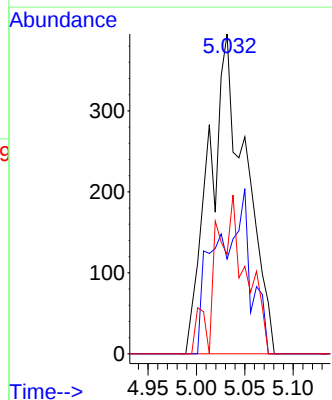
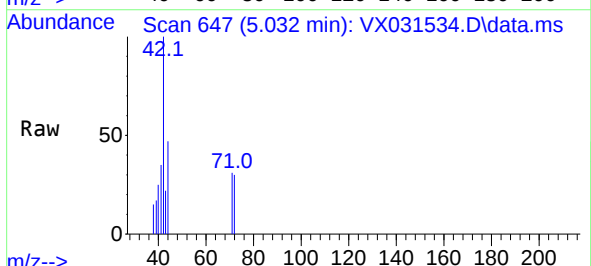
Ion	Ratio	Lower	Upper
96	100		
61	116.0	0.0	305.2
98	65.1	0.0	128.4

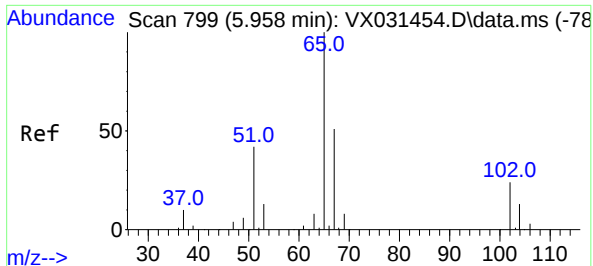


#29
 Tetrahydrofuran
 Concen: 1.515 ug/l
 RT: 5.032 min Scan# 647
 Delta R.T. 0.019 min
 Lab File: VX031534.D
 Acq: 21 Sep 2022 19:01

Tgt Ion: 42 Resp: 1042

Ion	Ratio	Lower	Upper
42	100		
72	22.6	36.4	54.6#
71	18.7	33.5	50.3#





#33

1,2-Dichloroethane-d4

Concen: 56.978 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031534.D

Acq: 21 Sep 2022 19:01

Instrument :

MSVOA_X

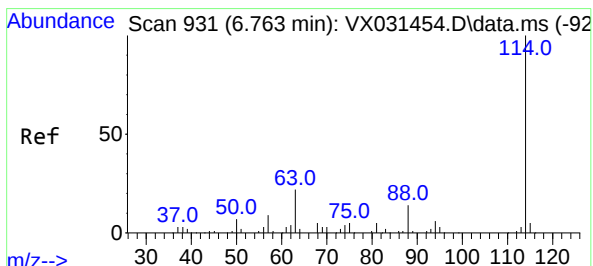
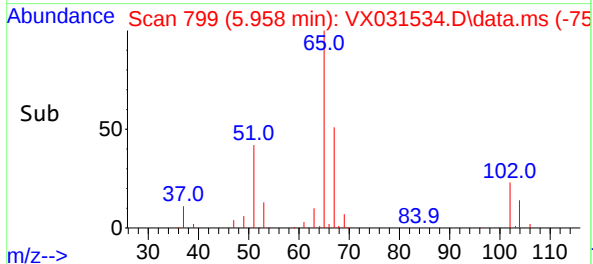
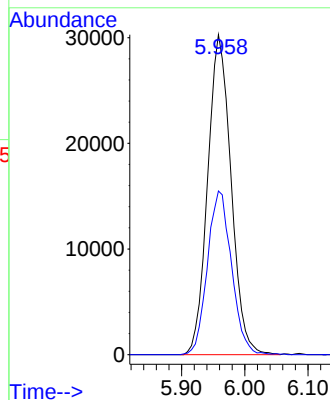
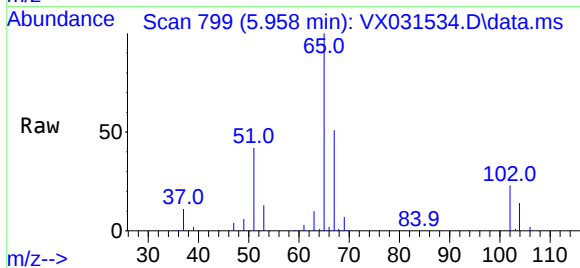
ClientSampleId :

Tgt Ion: 65 Resp: 77780

Ion Ratio Lower Upper

65 100

67 52.6 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: VX031534.D

Acq: 21 Sep 2022 19:01

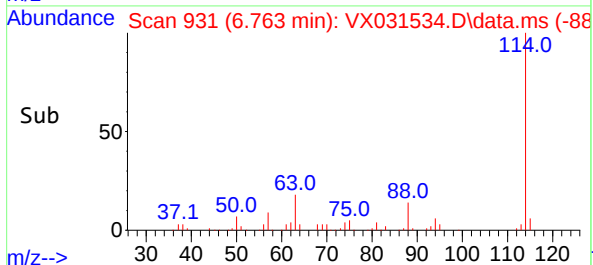
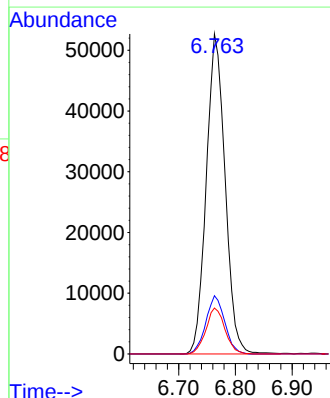
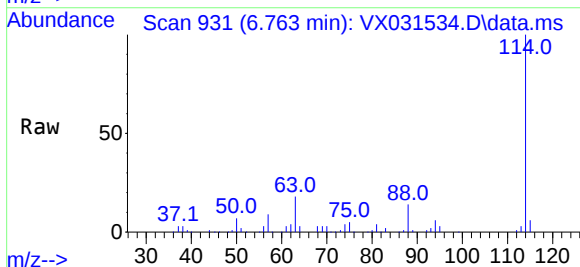
Tgt Ion: 114 Resp: 121274

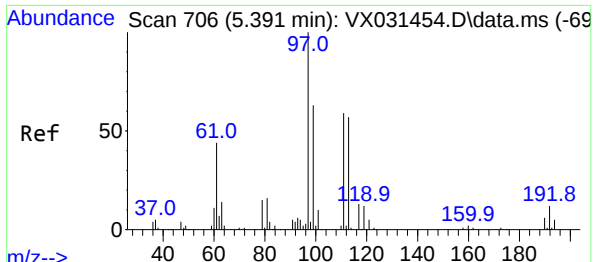
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.6

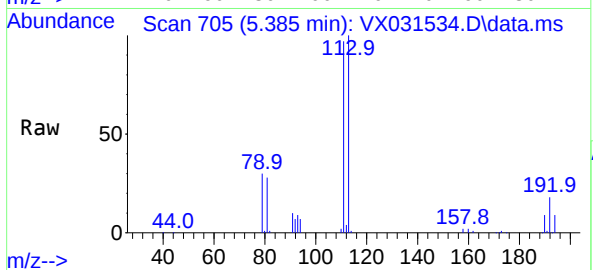
88 14.3 0.0 33.0



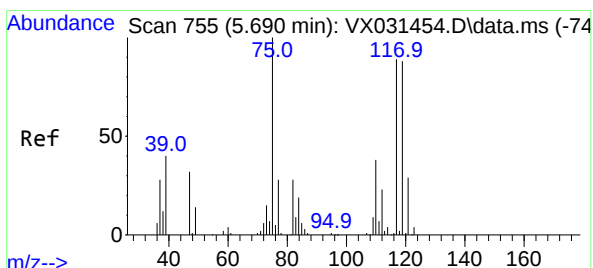
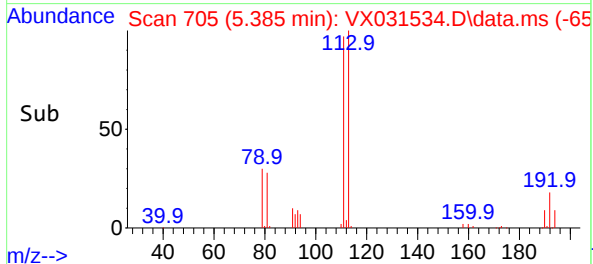
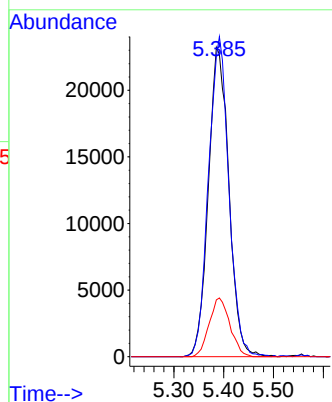


#35
Dibromofluoromethane
Concen: 53.081 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :

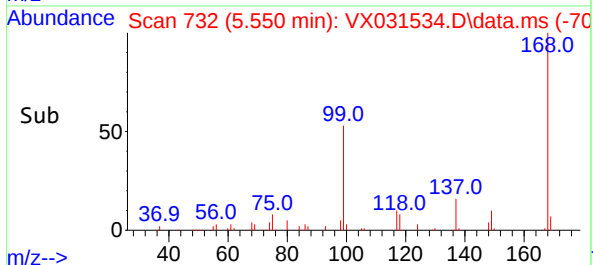
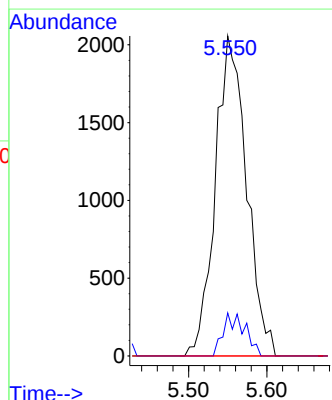
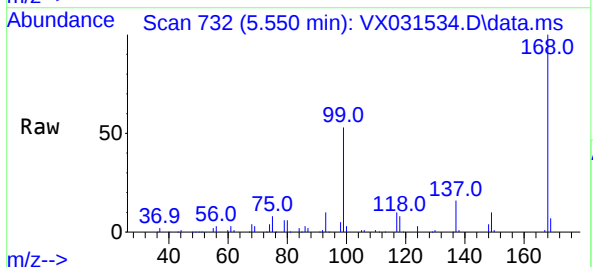


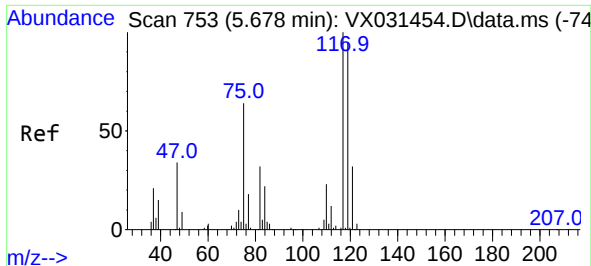
Tgt Ion:113 Resp: 66481
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 2.957 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

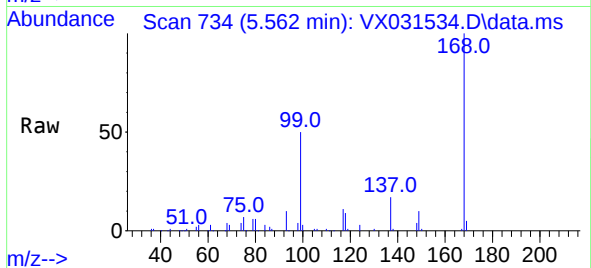
Tgt Ion: 75 Resp: 5700
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.9 37.3#



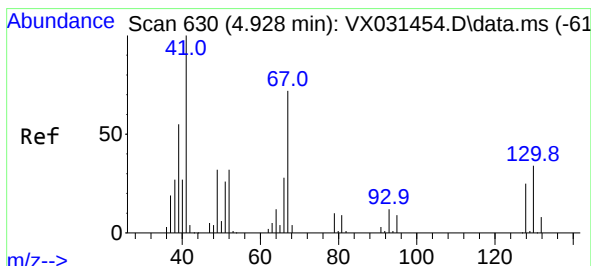
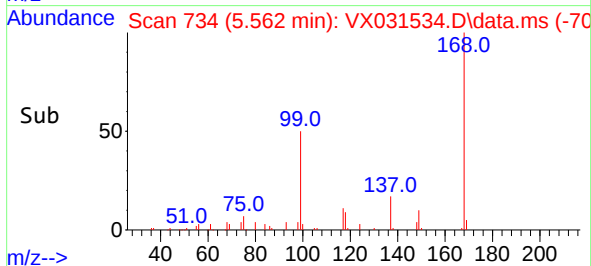
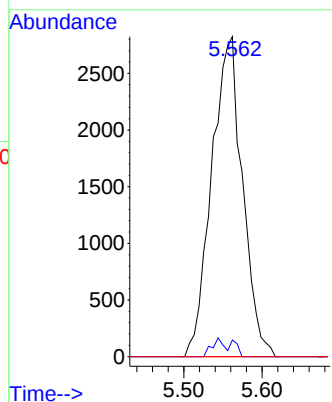


#38
Carbon Tetrachloride
Concen: 3.619 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :

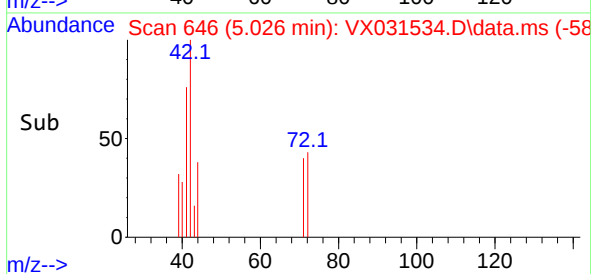
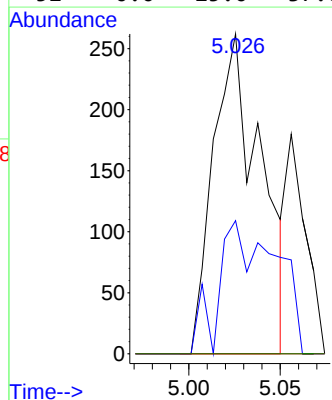
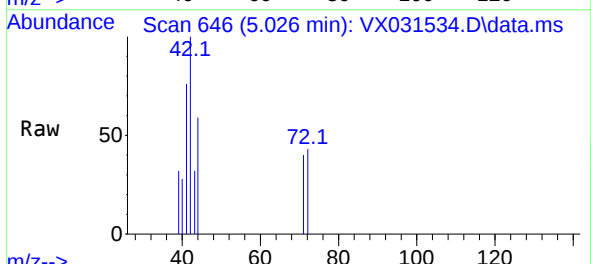


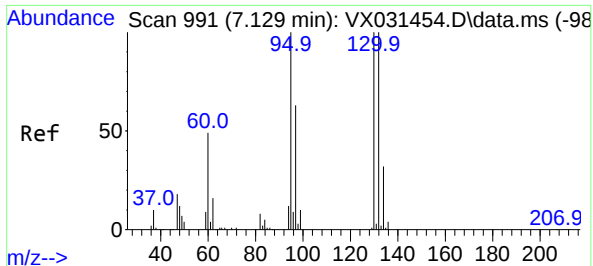
Tgt Ion:117 Resp: 7732
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 0.412 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

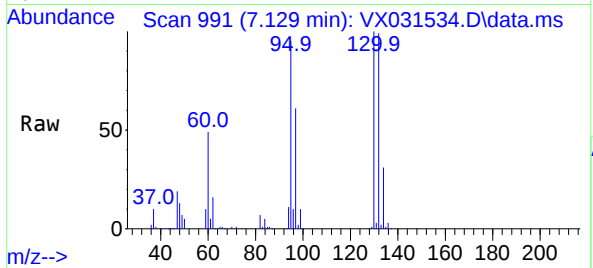
Tgt Ion: 41 Resp: 472
Ion Ratio Lower Upper
41 100
39 50.8 45.0 67.6
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#



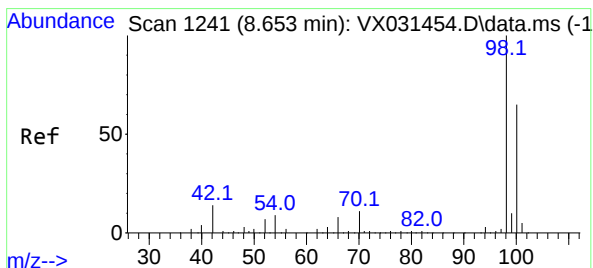
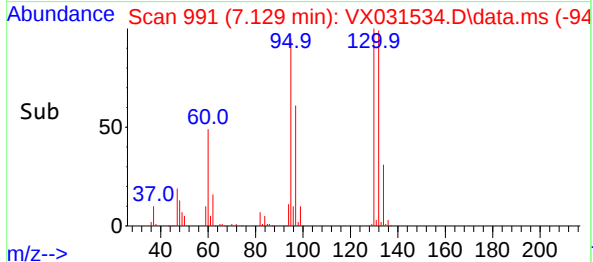
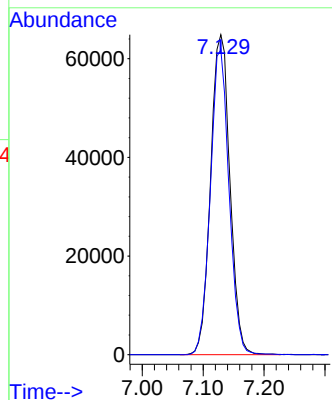


#44
Trichloroethene
Concen: 87.679 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :

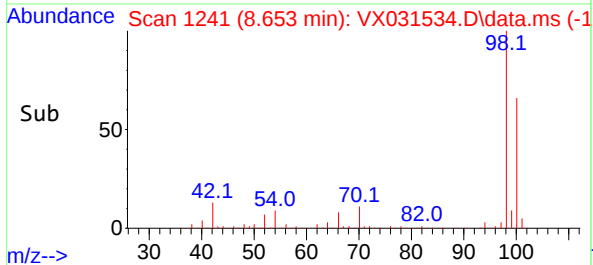
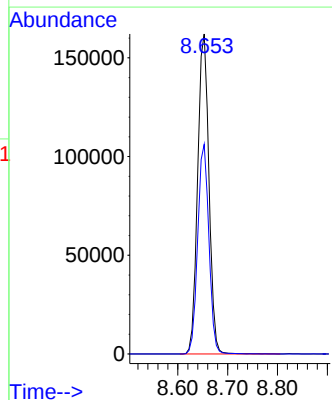
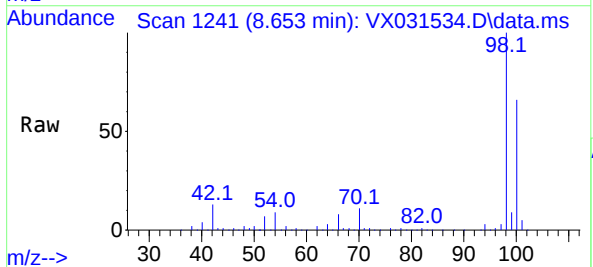


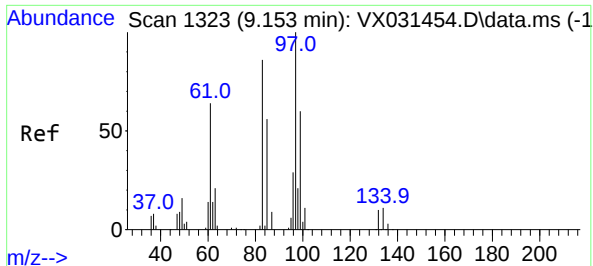
Tgt Ion:130 Resp: 142969
Ion Ratio Lower Upper
130 100
95 95.3 0.0 206.8



#50
Toluene-d8
Concen: 52.676 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 98 Resp: 254511
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7





#55

1,1,2-Trichloroethane

Concen: 6.795 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX031534.D

Acq: 21 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 10501

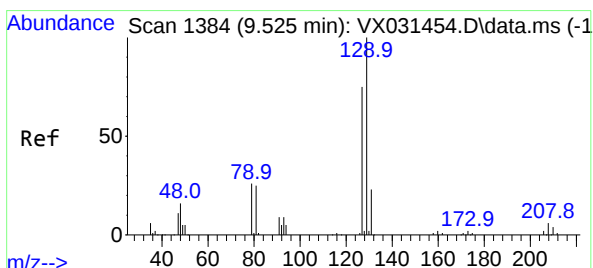
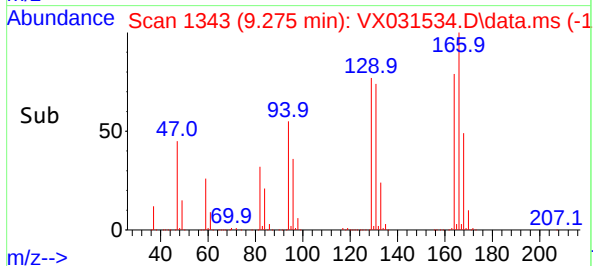
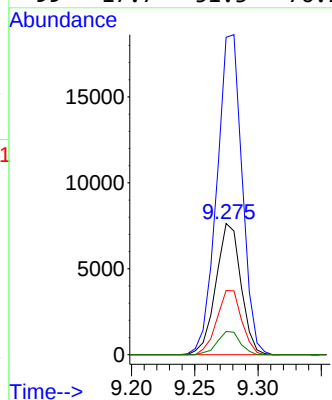
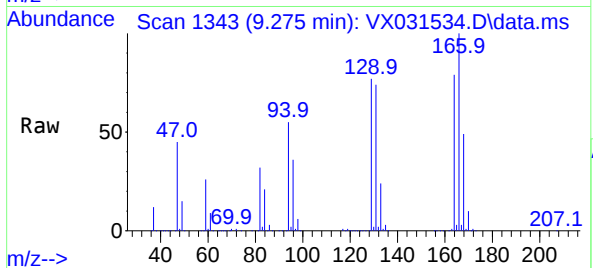
Ion Ratio Lower Upper

97 100

83 242.0 69.0 103.6#

85 48.9 44.1 66.1

99 17.7 51.3 76.9#



#60

Dibromochloromethane

Concen: 615.339 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX031534.D

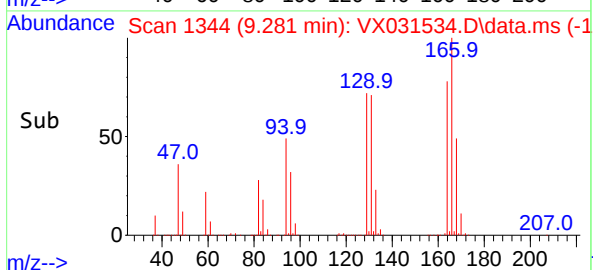
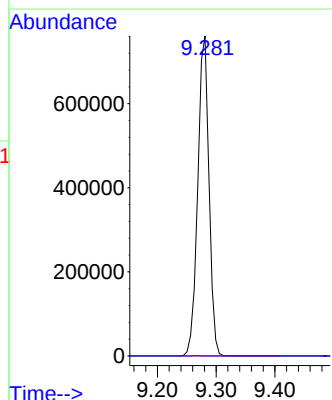
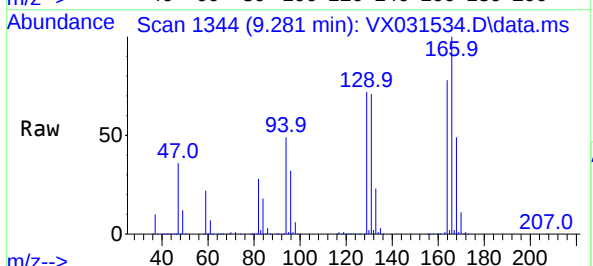
Acq: 21 Sep 2022 19:01

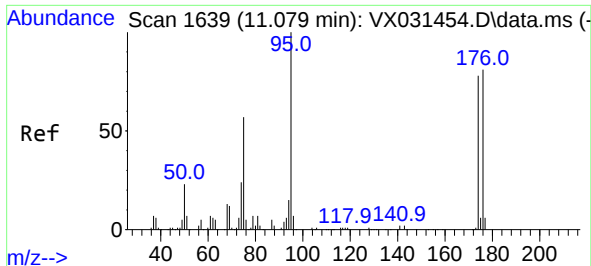
Tgt Ion:129 Resp: 1009861

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#

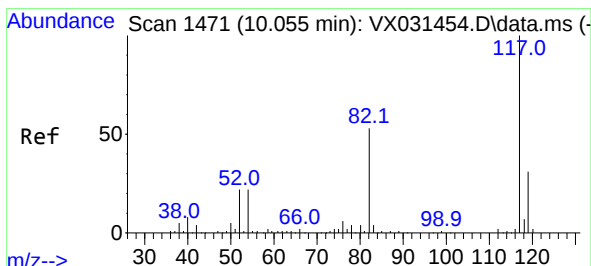
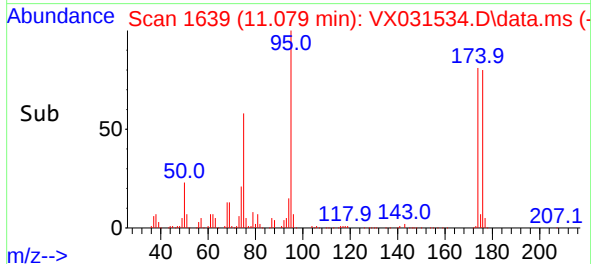
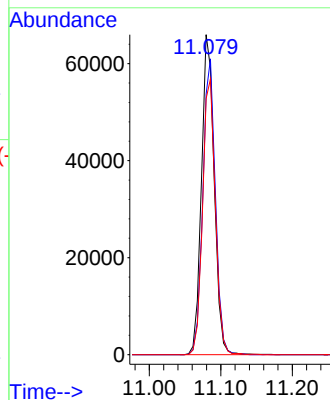
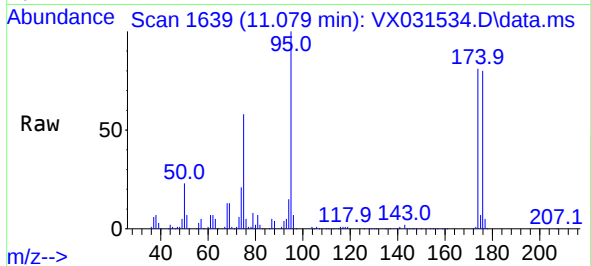




#62
4-Bromofluorobenzene
Concen: 49.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

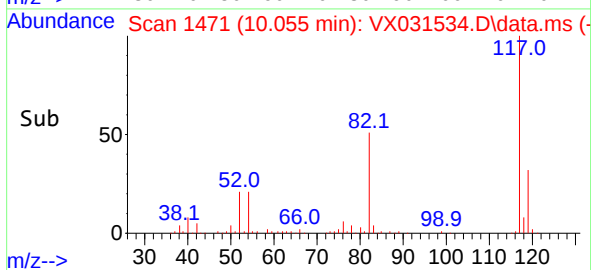
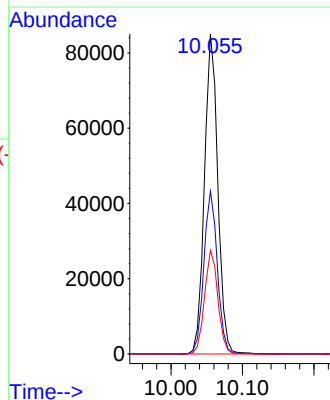
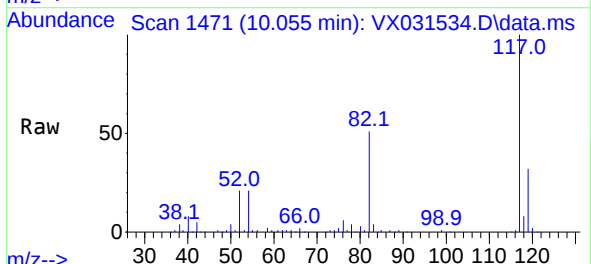
Instrument :
MSVOA_X
ClientSampleId :

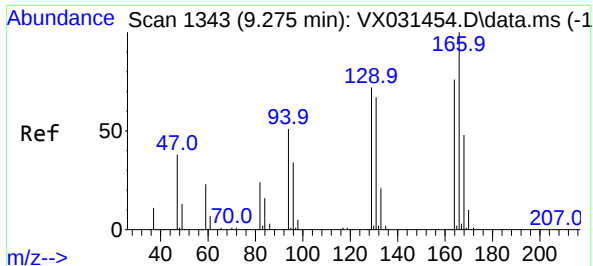
Tgt Ion: 95 Resp: 81554
Ion Ratio Lower Upper
95 100
174 91.1 0.0 153.2
176 86.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

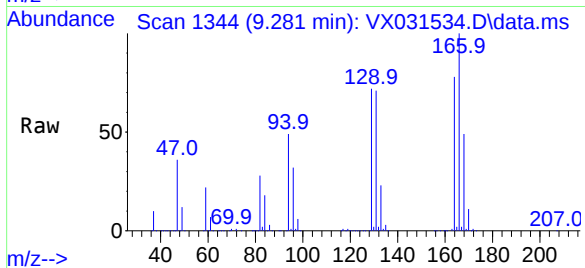
Tgt Ion: 117 Resp: 110405
Ion Ratio Lower Upper
117 100
82 50.9 46.8 70.2
119 32.4 26.4 39.6





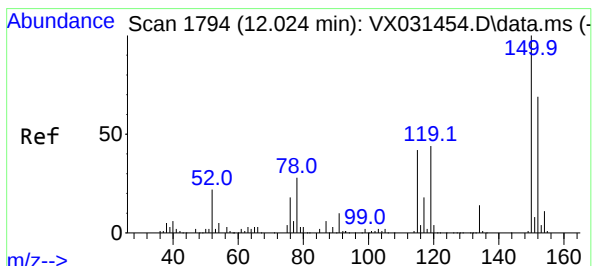
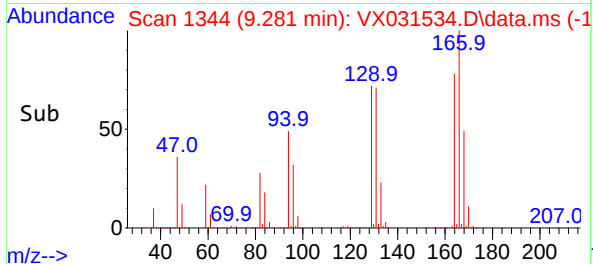
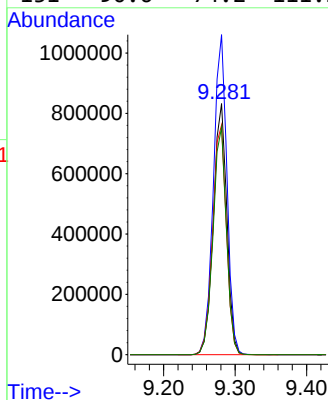
#64
Tetrachloroethene
Concen: 824.157 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 1092918

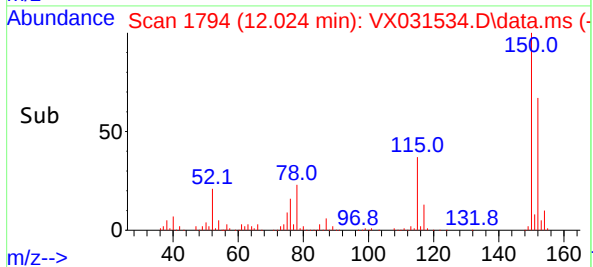
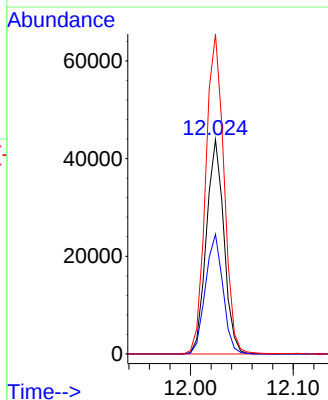
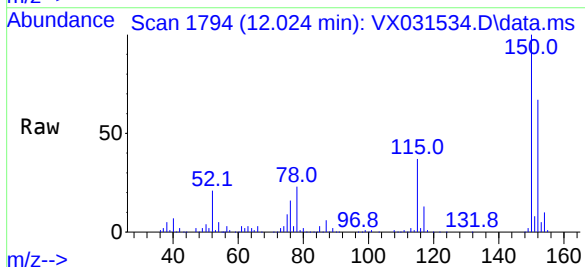
Ion	Ratio	Lower	Upper
164	100		
166	127.5	99.0	148.4
129	91.5	78.0	117.0
131	90.6	74.2	111.2

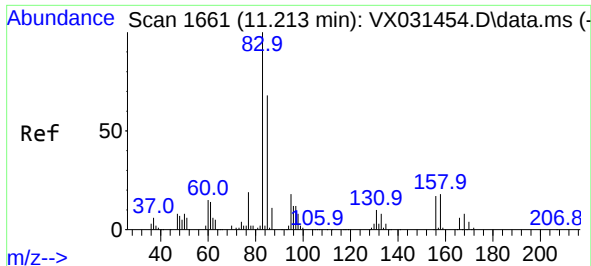


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion:152 Resp: 52117

Ion	Ratio	Lower	Upper
152	100		
115	55.6	43.4	130.1
150	155.2	0.0	346.8

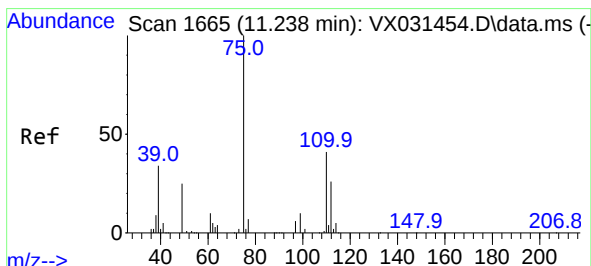
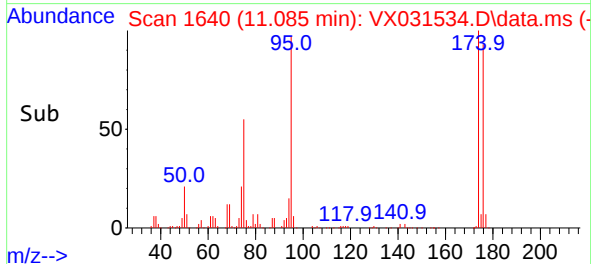
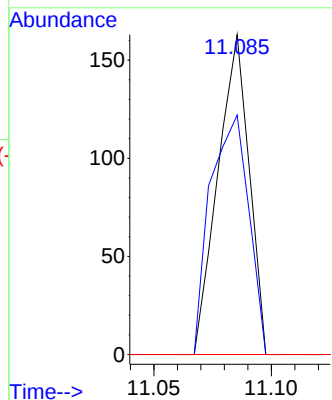
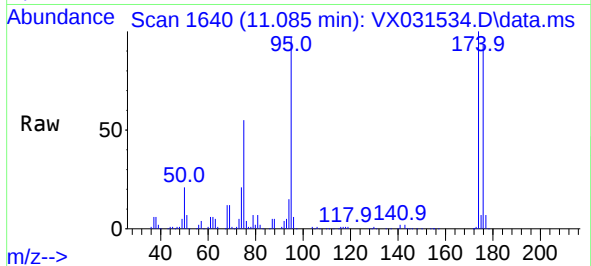




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1639
Delta R.T. -0.128 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

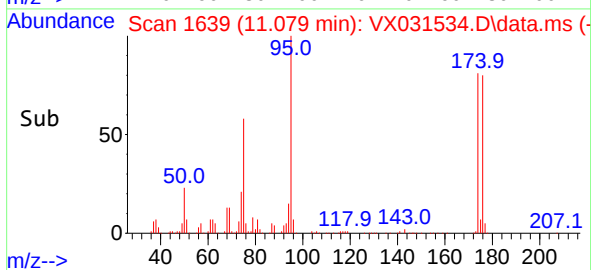
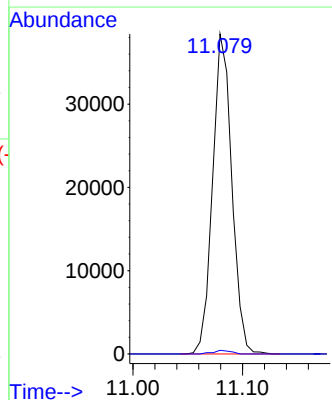
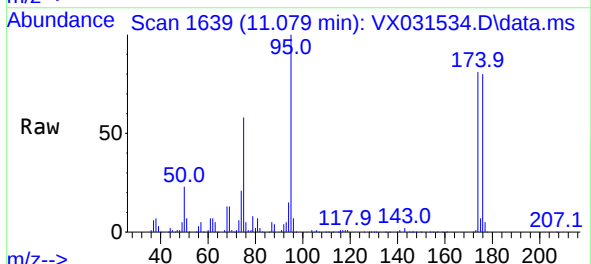
Instrument :
MSVOA_X
ClientSampleId :

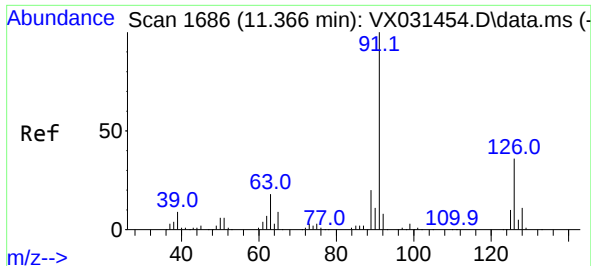
Tgt Ion: 83 Resp: 151
Ion Ratio Lower Upper
83 100
131 91.4 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 40.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 75 Resp: 46732
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#

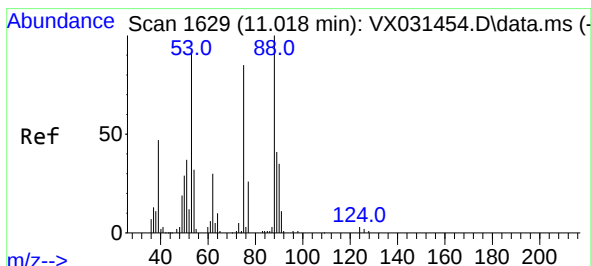
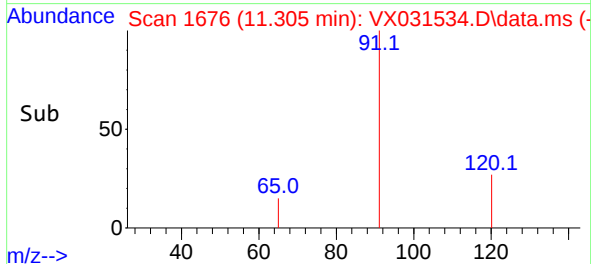
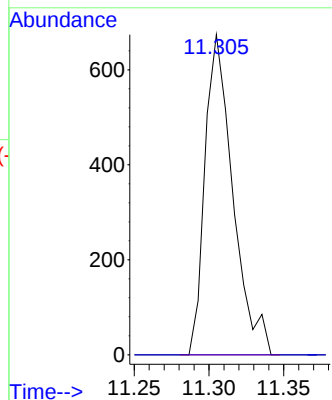
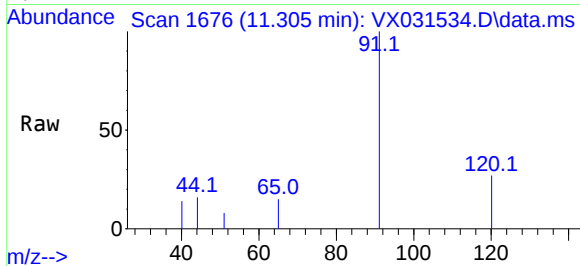




#79
2-Chlorotoluene
Concen: 0.328 ug/l
RT: 11.305 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

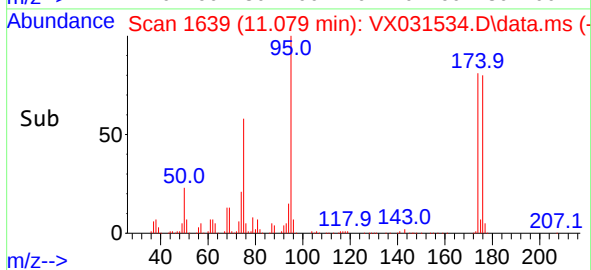
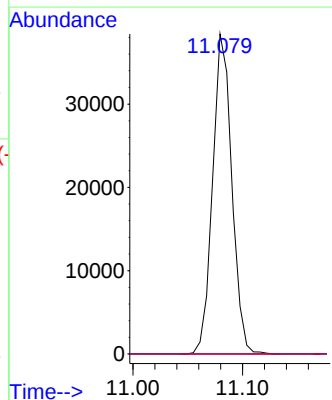
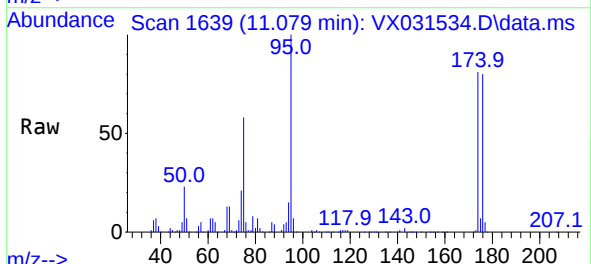
Instrument :
MSVOA_X
ClientSampleId :

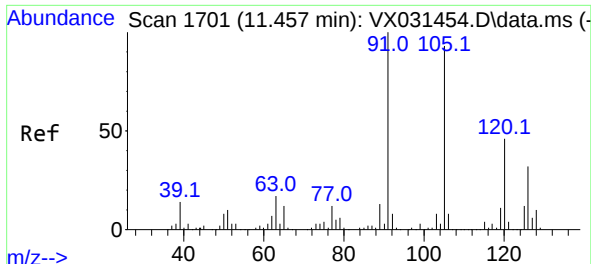
Tgt Ion: 91 Resp: 875
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Tgt Ion: 75 Resp: 46732
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

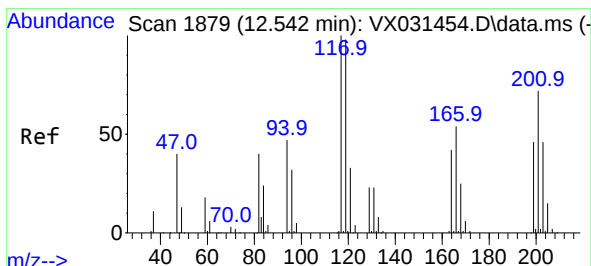
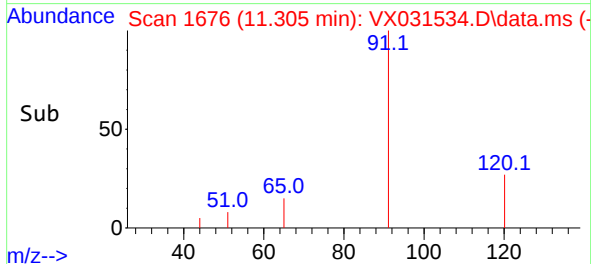
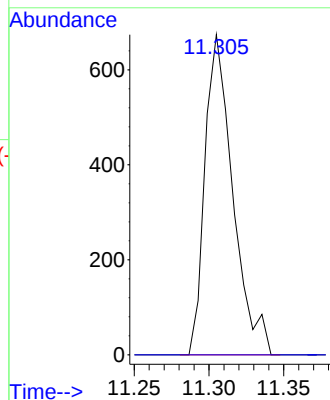
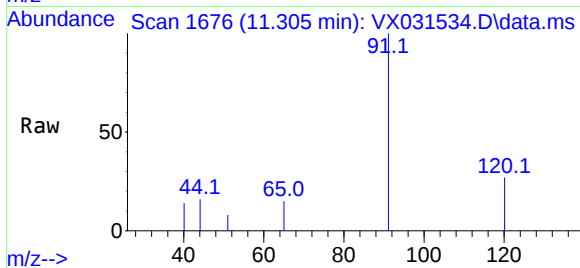




#82
4-Chlorotoluene
Concen: 0.280 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.152 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

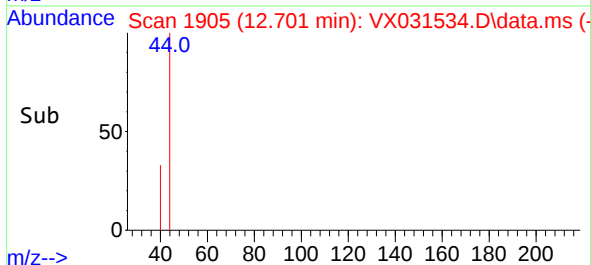
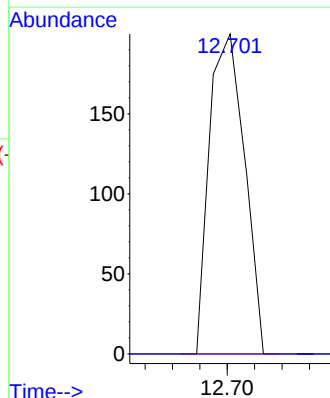
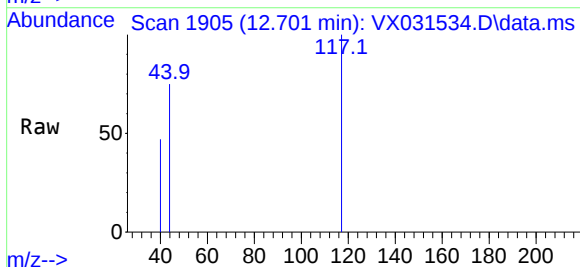
Instrument :
MSVOA_X
ClientSampleId :

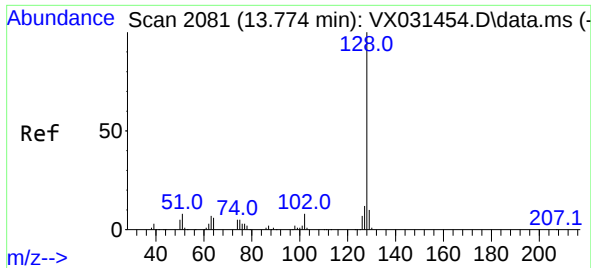
Tgt Ion: 91 Resp: 875
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#



#90
Hexachloroethane
Concen: 0.303 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

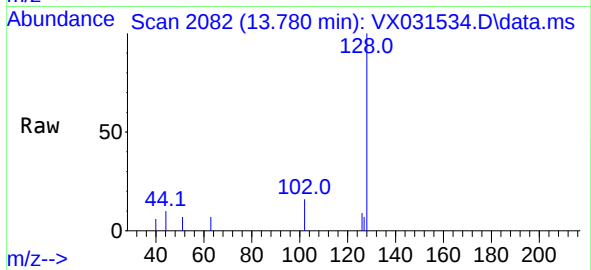
Tgt Ion: 117 Resp: 178
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95
Naphthalene
Concen: 0.336 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031534.D
Acq: 21 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1255
Ion Ratio Lower Upper
128 100
127 8.1 10.4 15.6#
129 2.1 8.8 13.2#

