

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031595.D
 Acq On : 23 Sep 2022 02:11
 Operator : JC/MD
 Sample : N4614-04DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3RRADL

Quant Time: Sep 23 04:47:21 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)

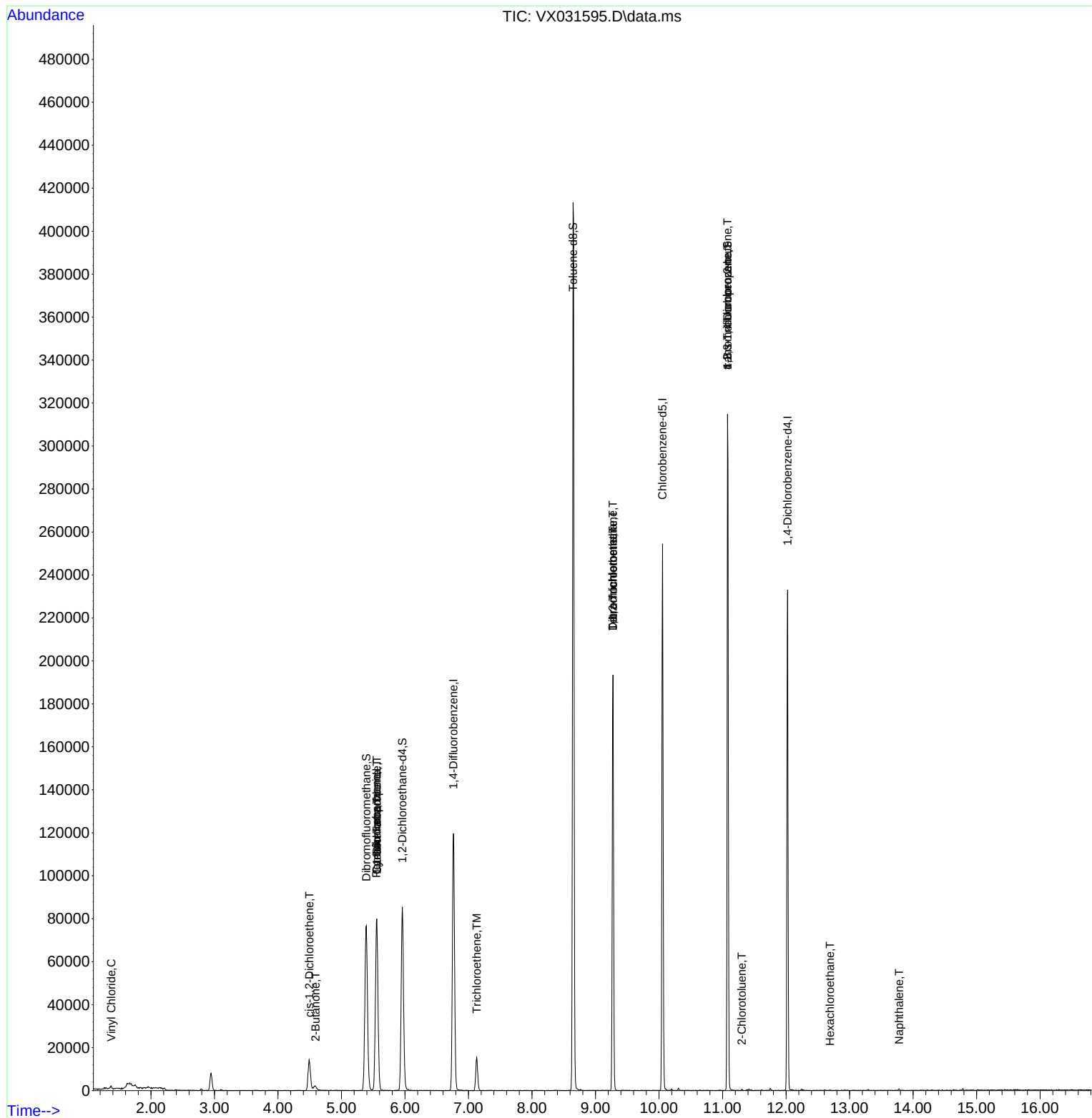
Internal Standards						
1) Pentafluorobenzene	5.550	168	77302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73574	51.841	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.680%	
35) Dibromofluoromethane	5.391	113	62866	48.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.920%	
50) Toluene-d8	8.647	98	239583	48.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	11.079	95	71028	42.377	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.760%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	583	0.347	ug/l	95
6) Chloroethane	1.685	64	226	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	4585	Below Cal	#	73
16) Acetone	2.392	43	384	Below Cal	#	45
20) Methylene Chloride	2.800	84	343	Below Cal	#	43
25) 2-Butanone	4.593	43	221	0.202	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	8909	5.440	ug/l	79
31) Cyclohexane	5.556	56	1994	0.948	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	5991	3.035	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7479	3.418	ug/l #	17
44) Trichloroethene	7.129	130	5910	3.539	ug/l	88
55) 1,1,2-Trichloroethane	9.275	97	342	0.216	ug/l #	1
60) Dibromochloromethane	9.275	129	30821	18.338	ug/l #	11
64) Tetrachloroethene	9.275	164	33703	25.976	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.073	83	160	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	41490	40.599	ug/l #	36
79) 2-Chlorotoluene	11.305	91	575	0.246	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	41490	130.724	ug/l #	11
90) Hexachloroethane	12.695	117	138	0.267	ug/l #	15
95) Naphthalene	13.780	128	777	0.237	ug/l #	73

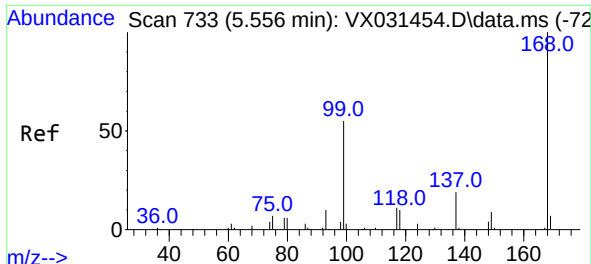
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Sep 23 04:47:21 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

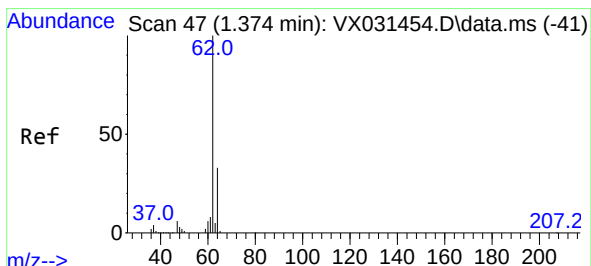
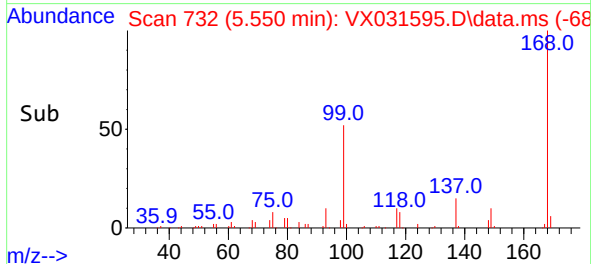
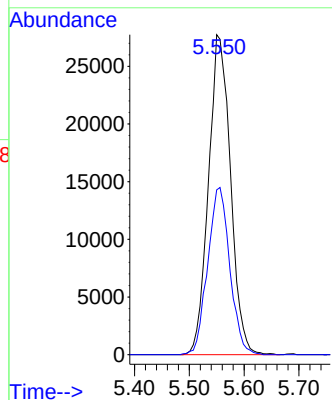
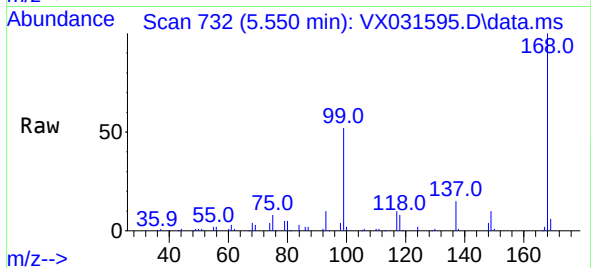




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

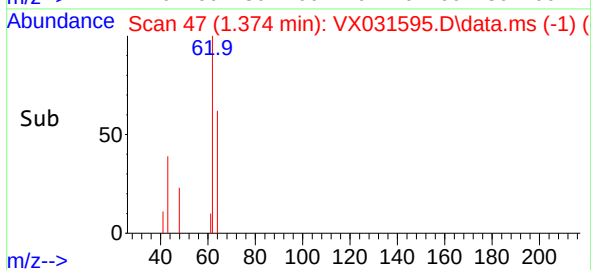
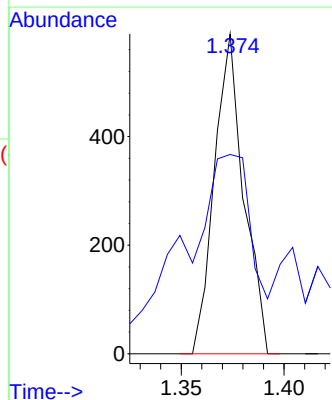
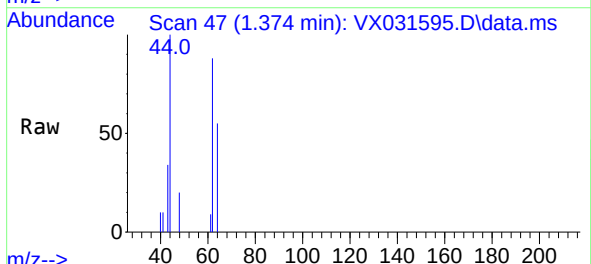
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

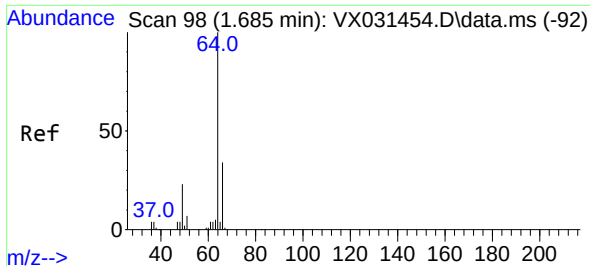
Tgt Ion:168 Resp: 77302
Ion Ratio Lower Upper
168 100
99 51.5 48.8 73.2



#4
Vinyl Chloride
Concen: 0.347 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 62 Resp: 583
Ion Ratio Lower Upper
62 100
64 34.3 25.3 37.9

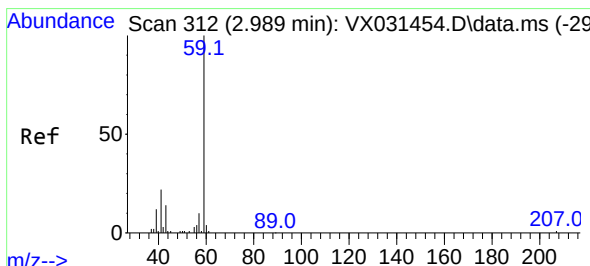
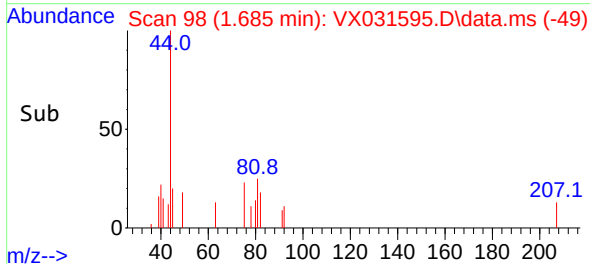
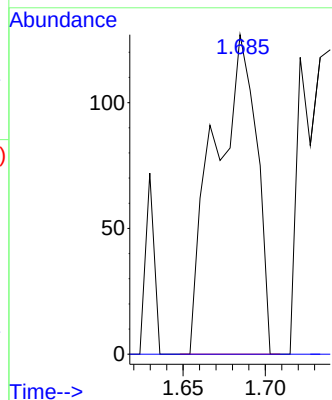
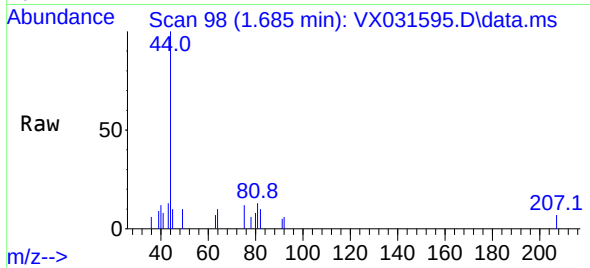




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

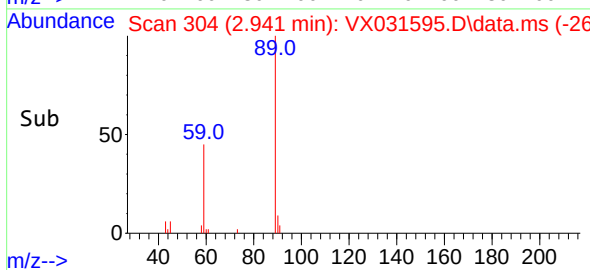
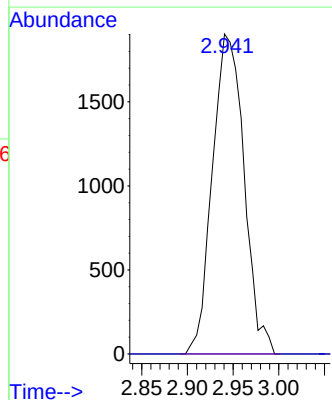
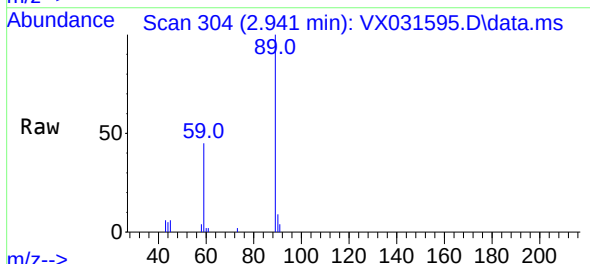
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

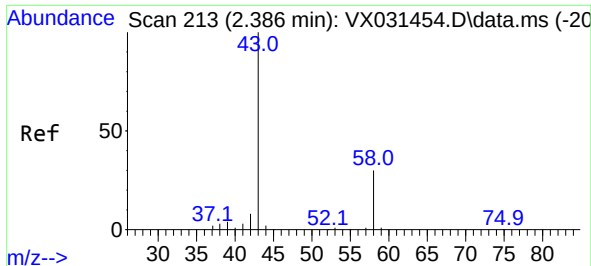
Tgt Ion: 64 Resp: 226
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 59 Resp: 4585
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

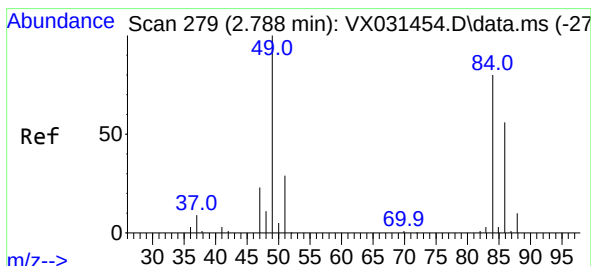
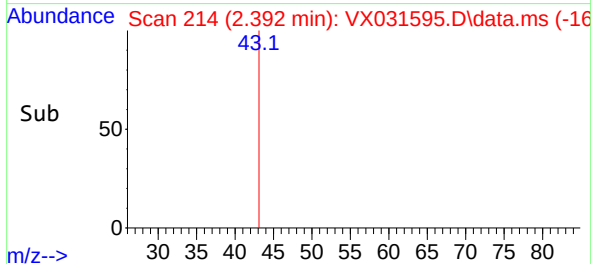
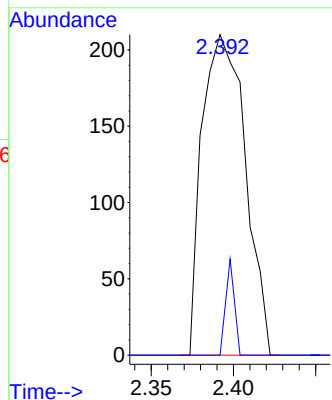
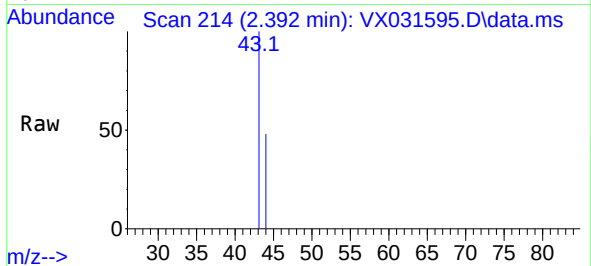




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

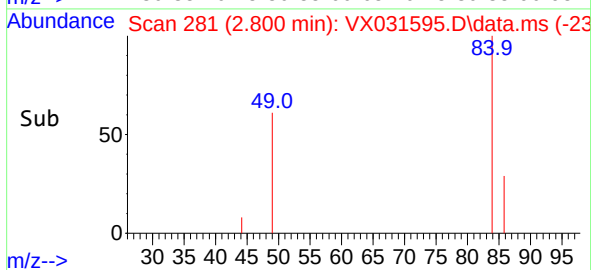
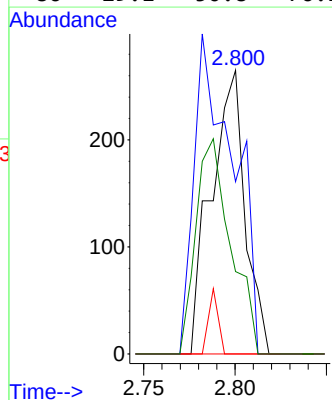
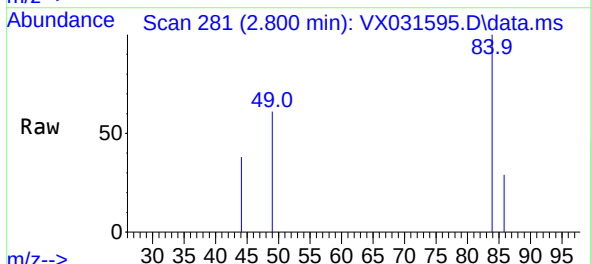
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

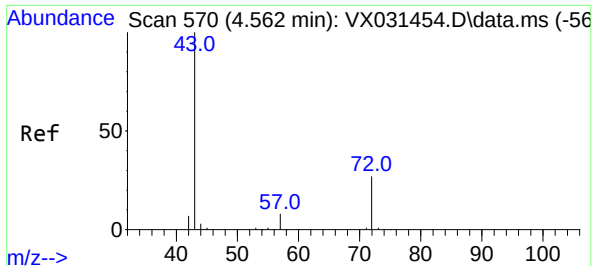
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 84 Resp: 343
Ion Ratio Lower Upper
84 100
49 60.8 105.9 158.9#
51 0.0 32.2 48.2#
86 29.1 50.8 76.2#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX031595.D

Acq: 23 Sep 2022 02:11

Instrument :

MSVOA_X

ClientSampleId :

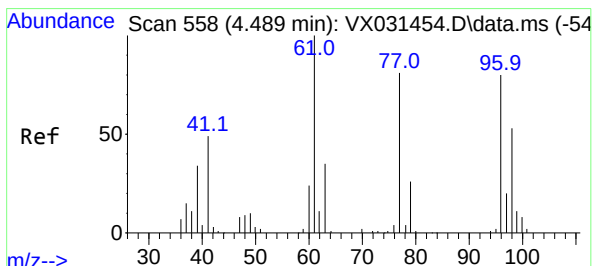
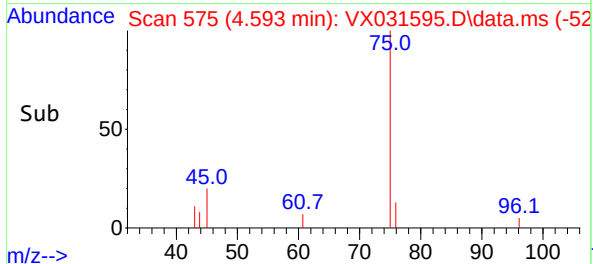
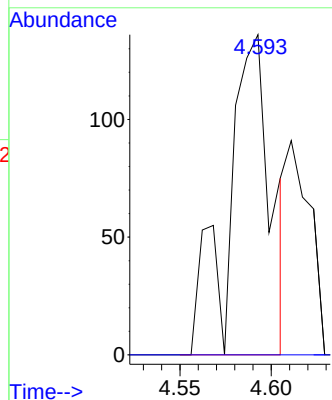
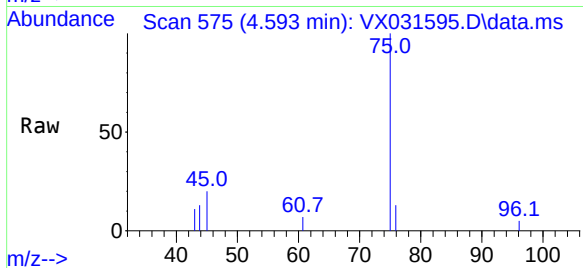
MW-3RRADL

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 5.440 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX031595.D

Acq: 23 Sep 2022 02:11

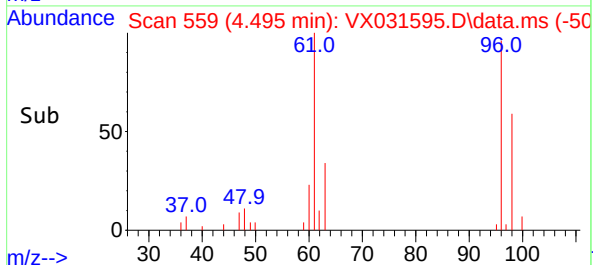
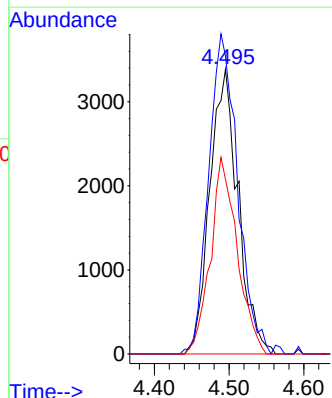
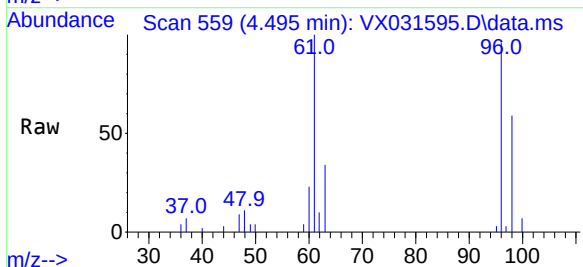
Tgt Ion: 96 Resp: 8909

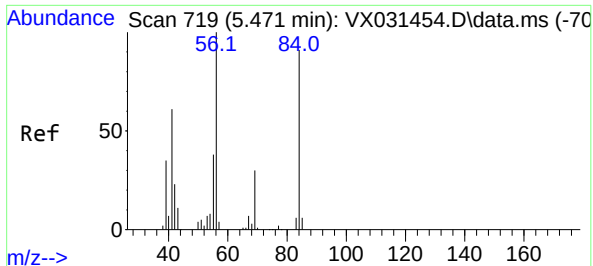
Ion Ratio Lower Upper

96 100

61 115.3 0.0 305.2

98 65.2 0.0 128.4

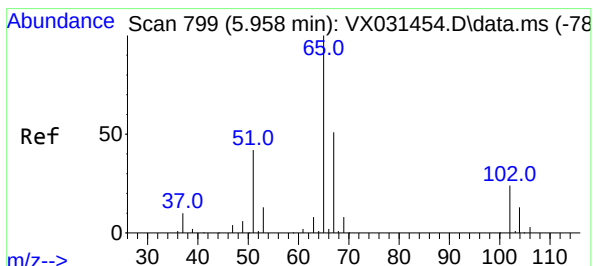
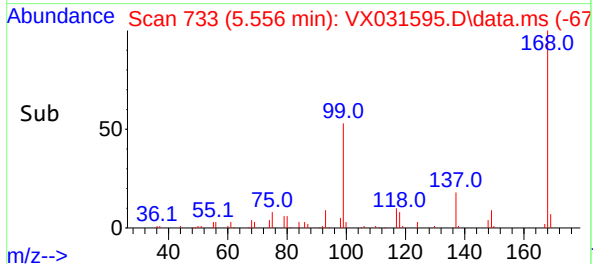
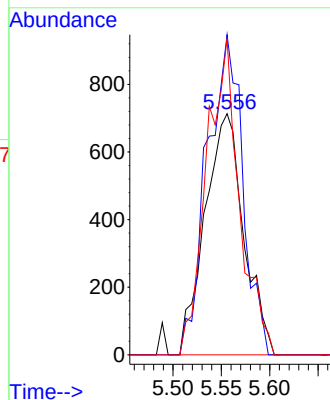
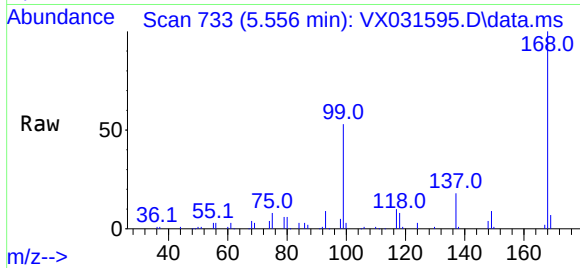




#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

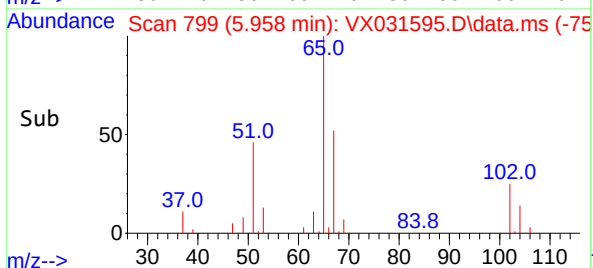
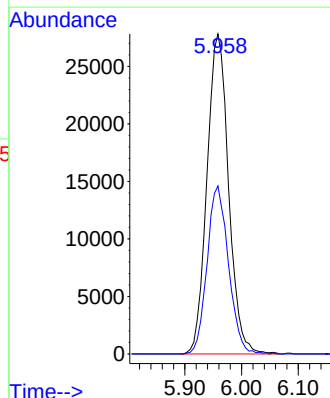
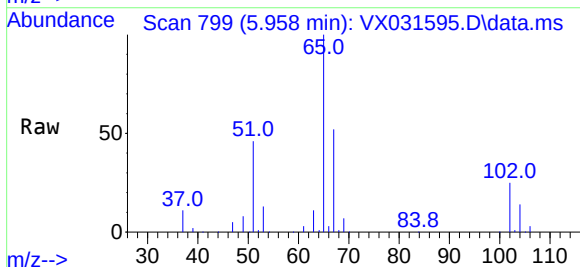
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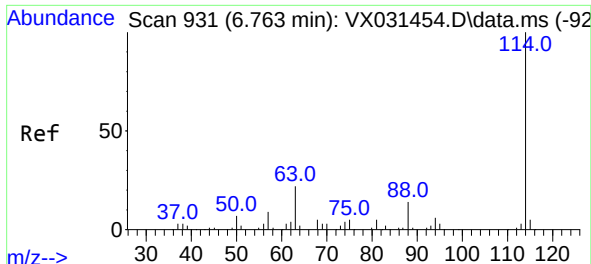
Tgt Ion: 56 Resp: 1994
Ion Ratio Lower Upper
56 100
69 132.8 25.1 37.7#
84 131.1 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 51.841 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 65 Resp: 73574
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.4

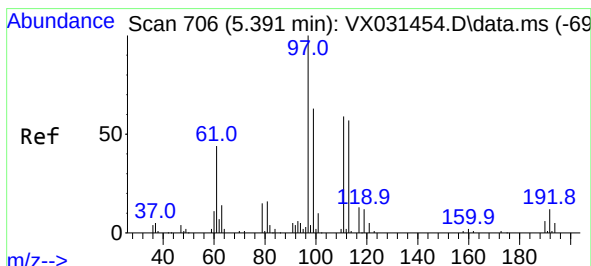
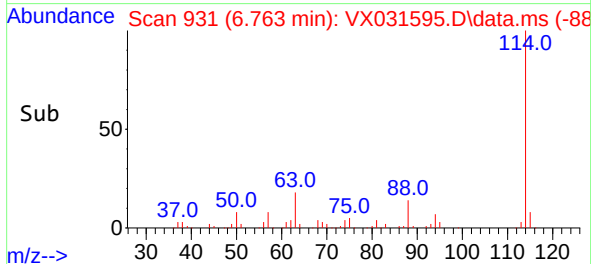
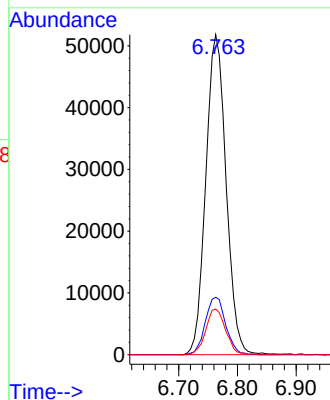
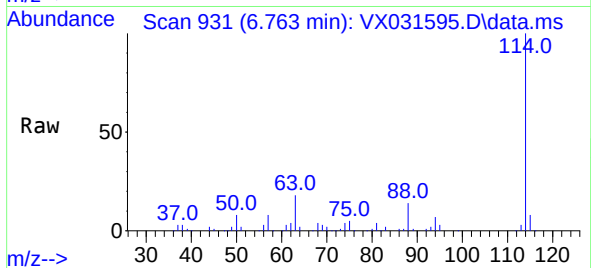




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

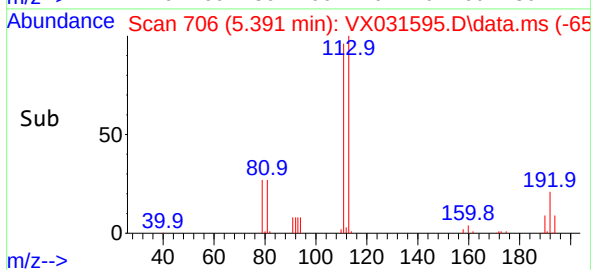
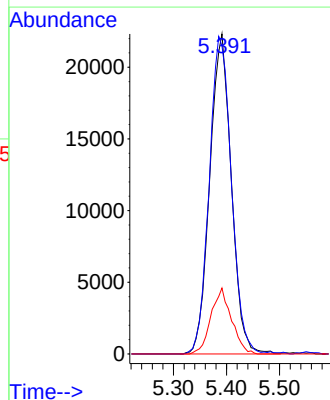
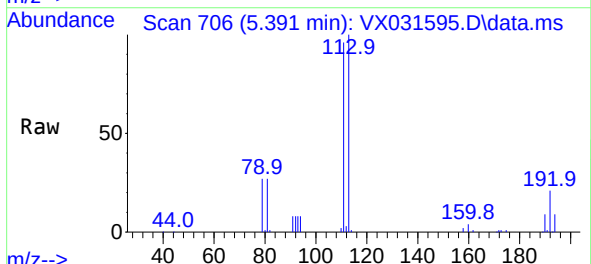
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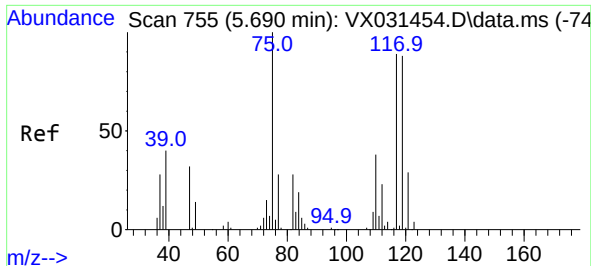
Tgt Ion:114 Resp: 124200
Ion Ratio Lower Upper
114 100
63 18.0 0.0 42.6
88 14.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.956 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion:113 Resp: 62866
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.6 14.1 21.1

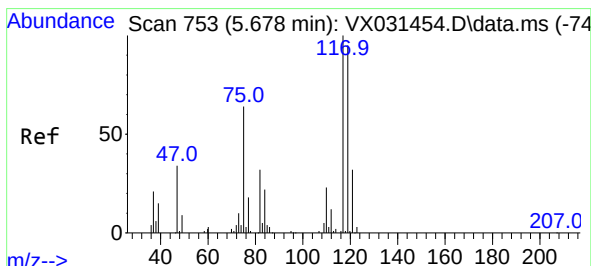
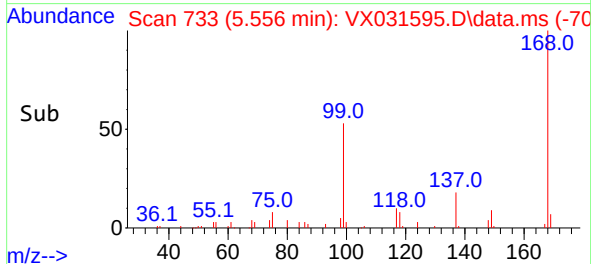
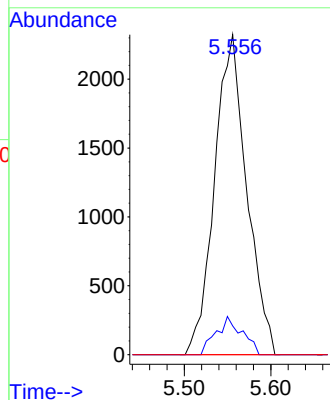
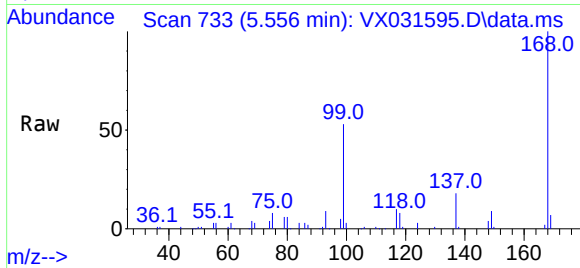




#36
1,1-Dichloropropene
Concen: 3.035 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

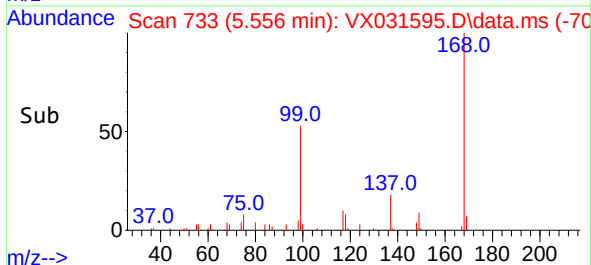
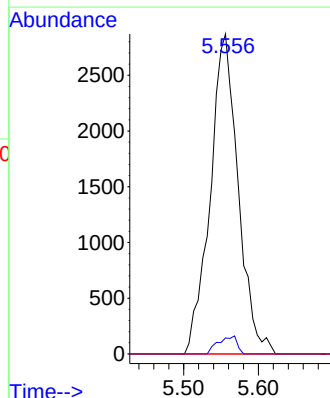
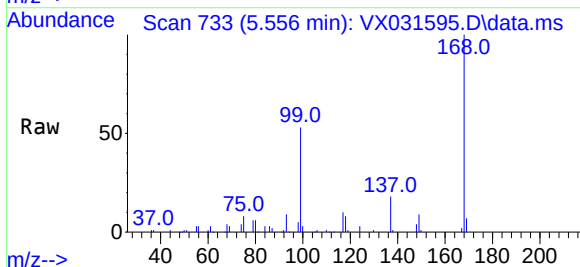
Instrument :
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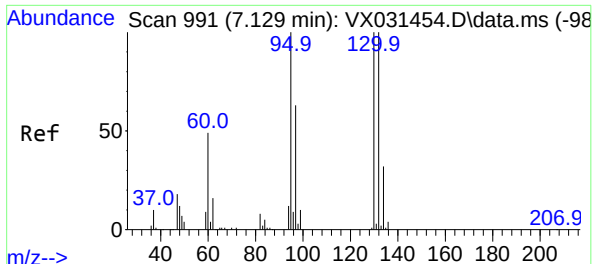
Tgt Ion: 75 Resp: 5991
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.418 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 117 Resp: 7479
Ion Ratio Lower Upper
117 100
119 5.0 74.6 112.0#
121 0.0 25.3 37.9#

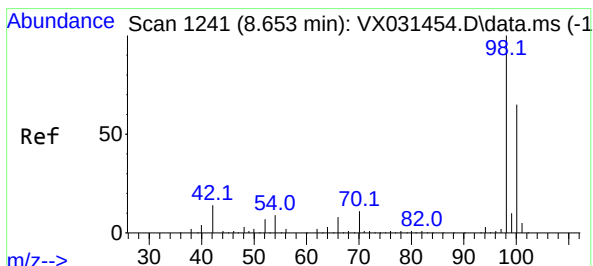
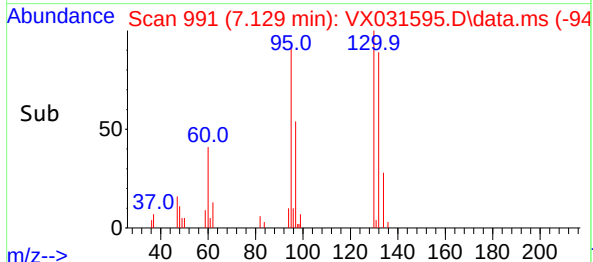
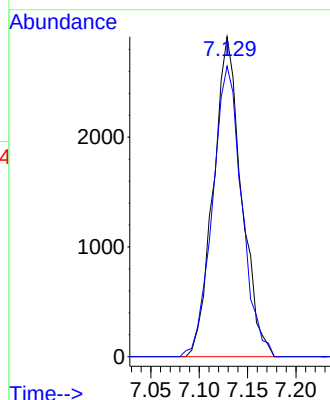
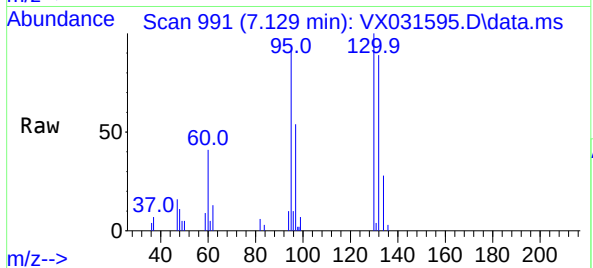




#44
Trichloroethene
Concen: 3.539 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

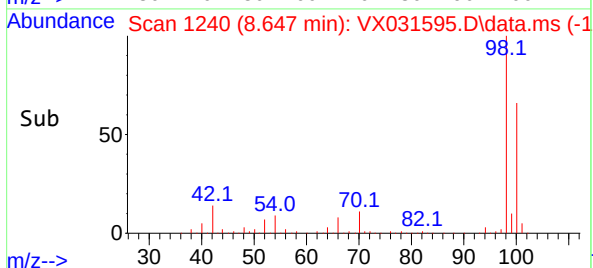
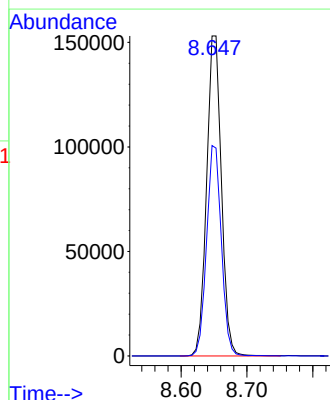
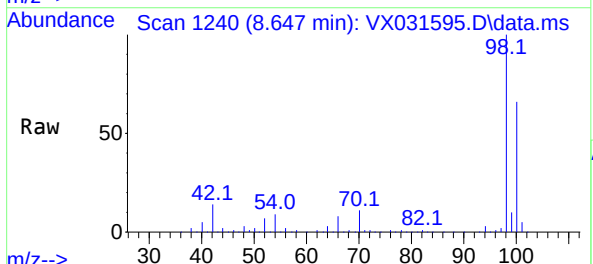
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

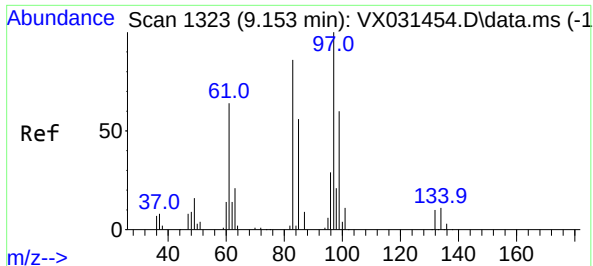
Tgt Ion:130 Resp: 5910
Ion Ratio Lower Upper
130 100
95 90.8 0.0 206.8



#50
Toluene-d8
Concen: 48.418 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 98 Resp: 239583
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



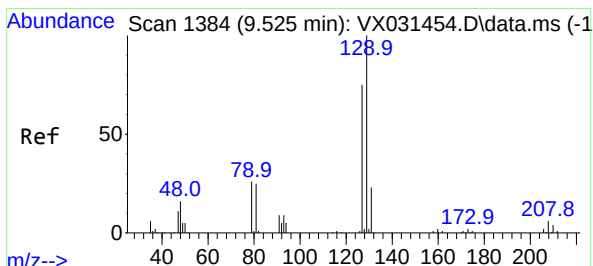
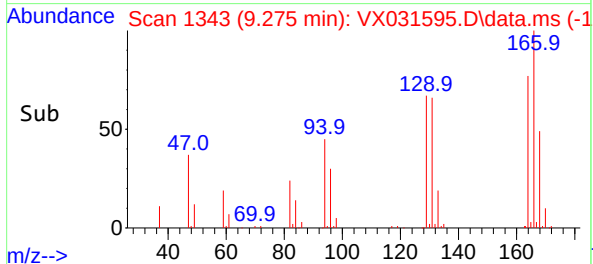
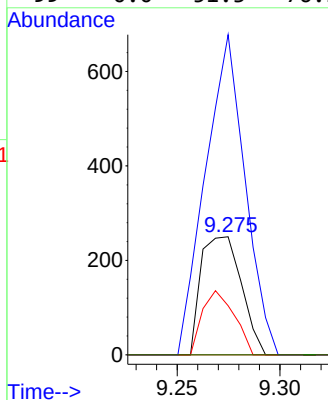
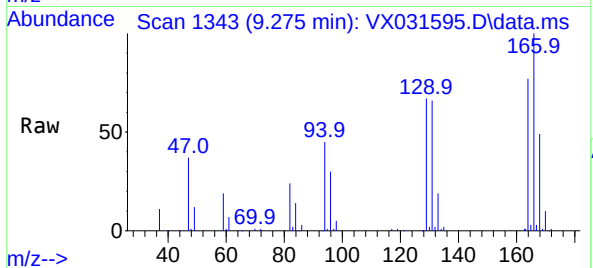


#55
1,1,2-Trichloroethane
Concen: 0.216 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

Tgt Ion: 97 Resp: 342

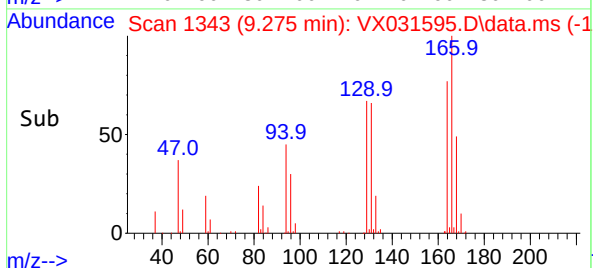
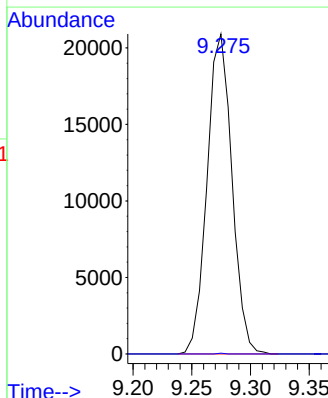
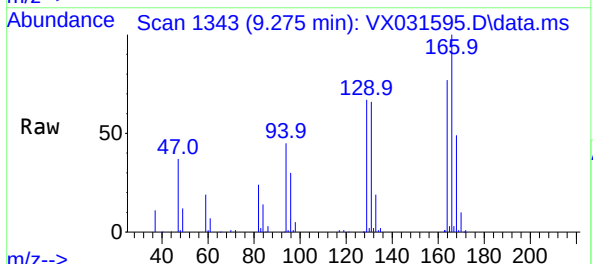
Ion	Ratio	Lower	Upper
97	100		
83	271.2	69.0	103.6#
85	41.6	44.1	66.1#
99	0.0	51.3	76.9#

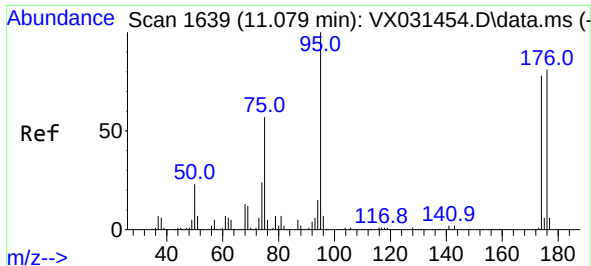


#60
Dibromochloromethane
Concen: 18.338 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 129 Resp: 30821

Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.7	116.1#

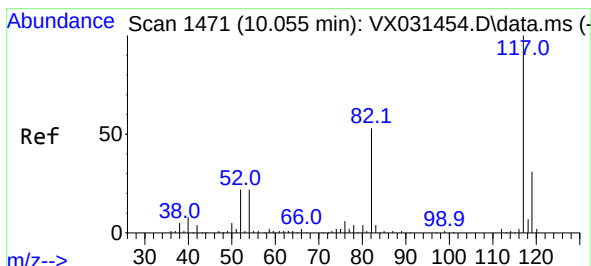
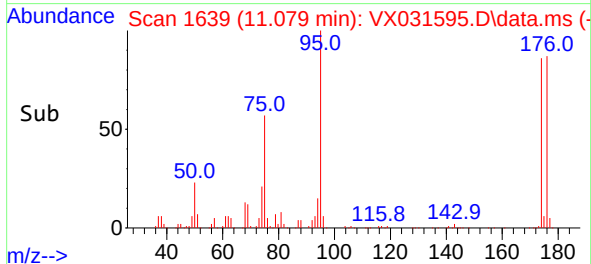
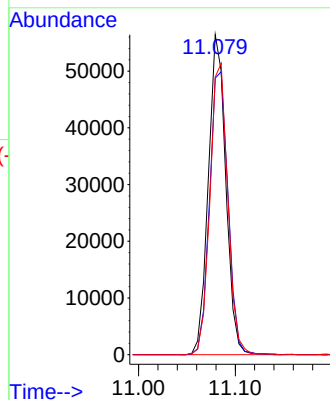
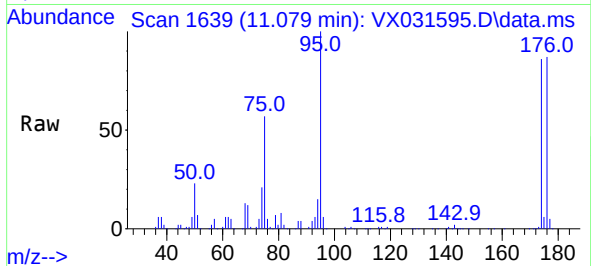




#62
4-Bromofluorobenzene
Concen: 42.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

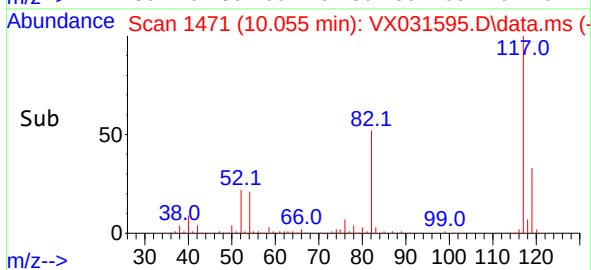
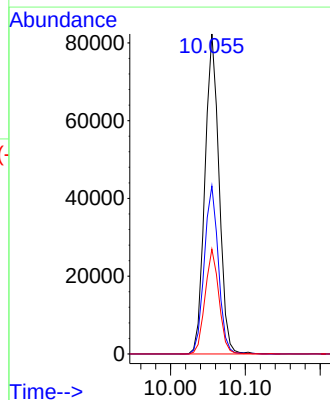
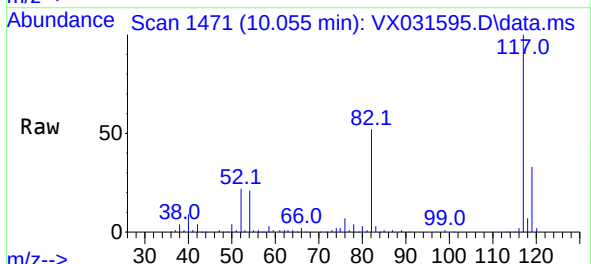
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

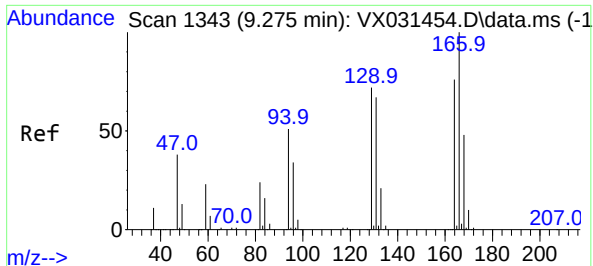
Tgt Ion: 95 Resp: 71028
Ion Ratio Lower Upper
95 100
174 93.4 0.0 153.2
176 92.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 117 Resp: 108021
Ion Ratio Lower Upper
117 100
82 52.5 46.8 70.2
119 32.7 26.4 39.6



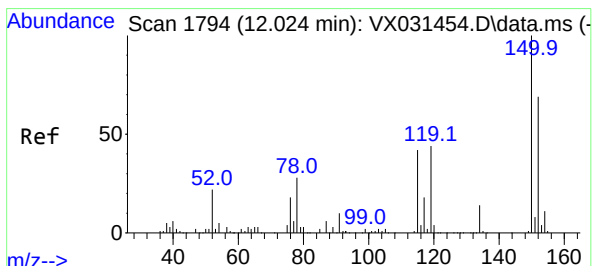
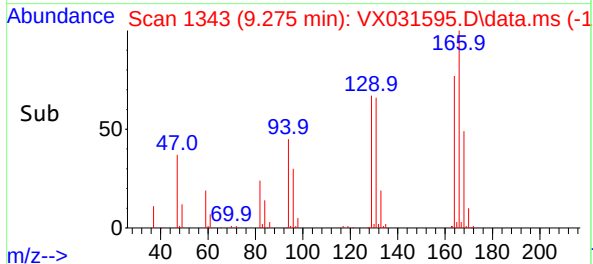
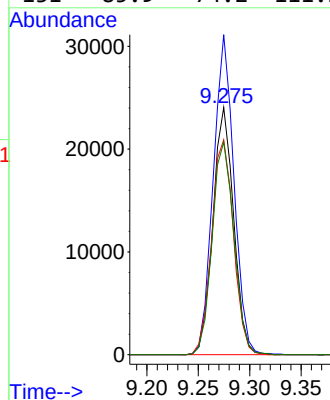
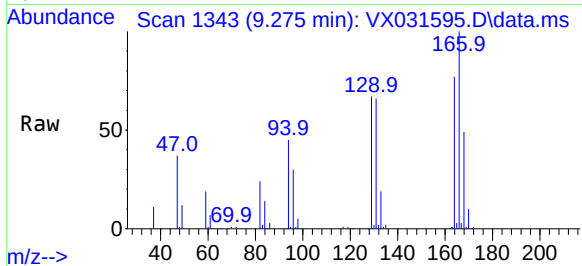


#64
Tetrachloroethene
Concen: 25.976 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

Tgt Ion:164 Resp: 33703

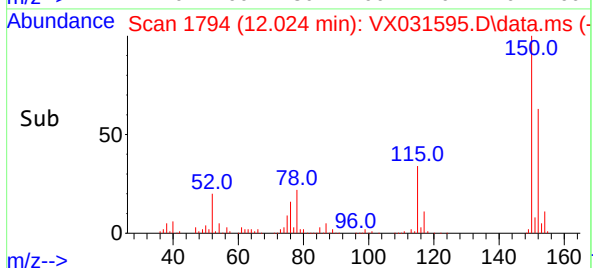
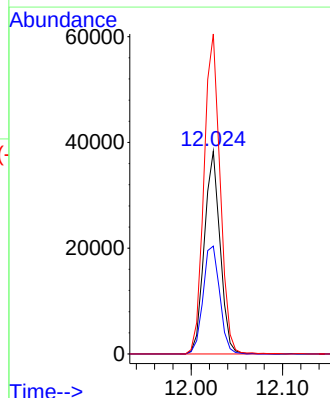
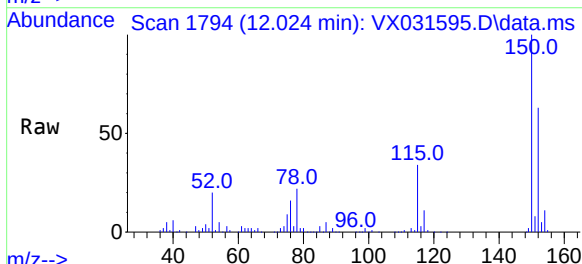
Ion	Ratio	Lower	Upper
164	100		
166	129.4	99.0	148.4
129	86.9	78.0	117.0
131	85.9	74.2	111.2

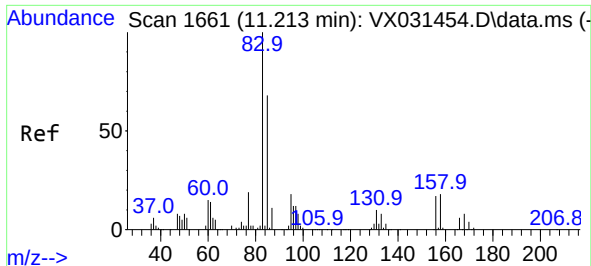


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion:152 Resp: 45788

Ion	Ratio	Lower	Upper
152	100		
115	56.4	43.4	130.1
150	161.8	0.0	346.8

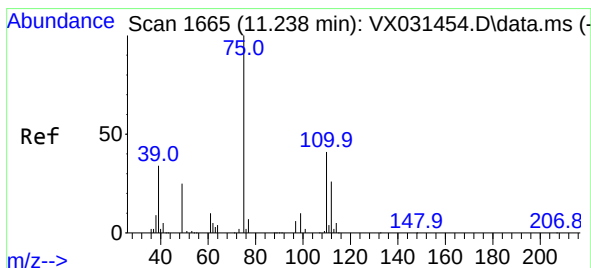
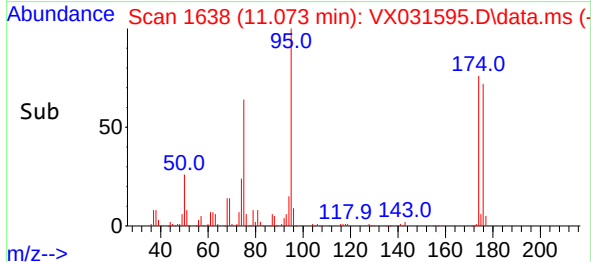
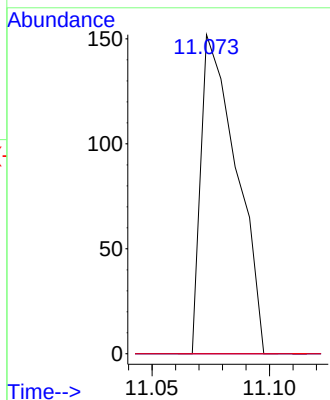
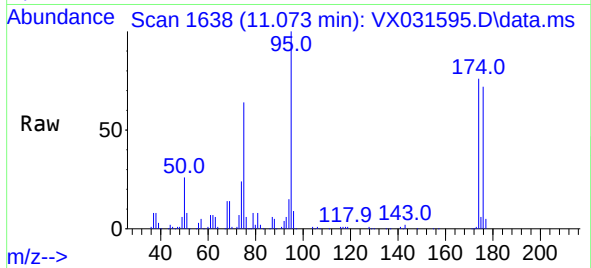




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.073 min Scan# 1638
Delta R.T. -0.140 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

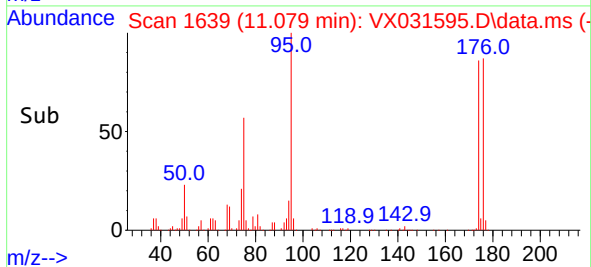
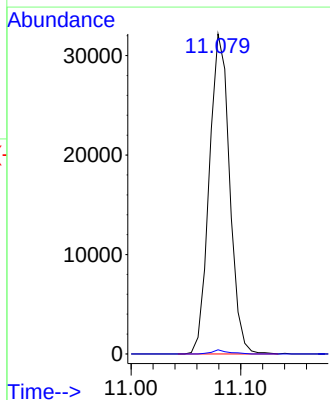
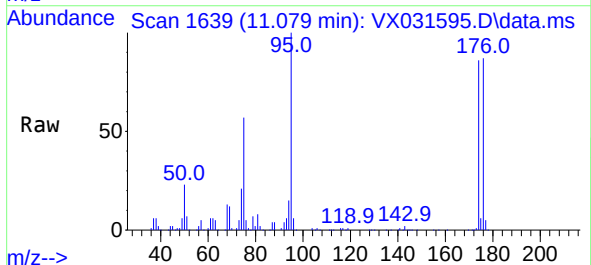
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

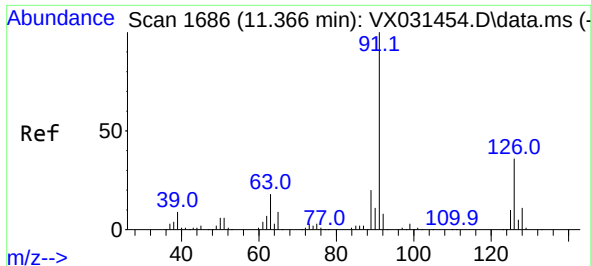
Tgt Ion: 83 Resp: 160
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 40.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion: 75 Resp: 41490
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#79

2-Chlorotoluene

Concen: 0.246 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX031595.D

Acq: 23 Sep 2022 02:11

Instrument :

MSVOA_X

ClientSampleId :

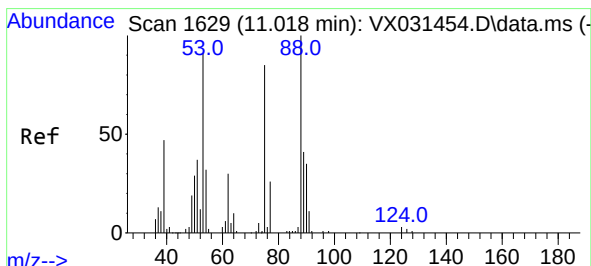
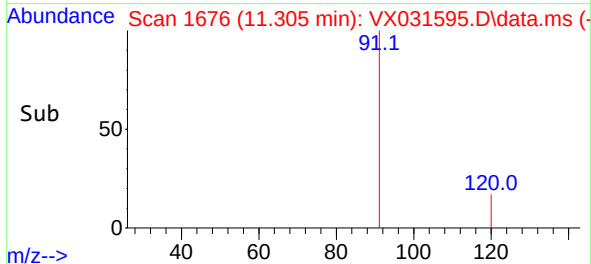
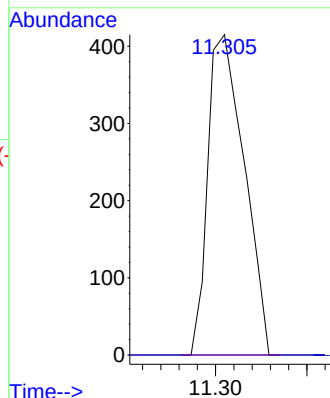
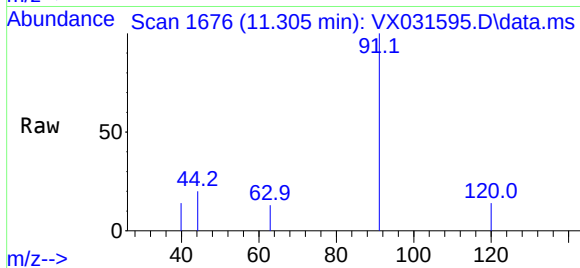
MW-3RRADL

Tgt Ion: 91 Resp: 575

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.724 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031595.D

Acq: 23 Sep 2022 02:11

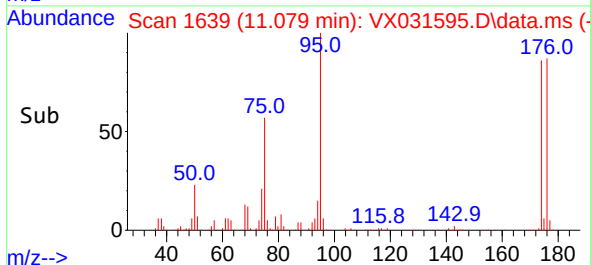
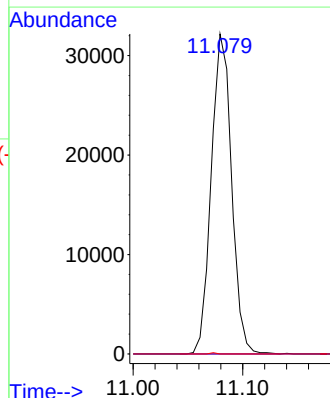
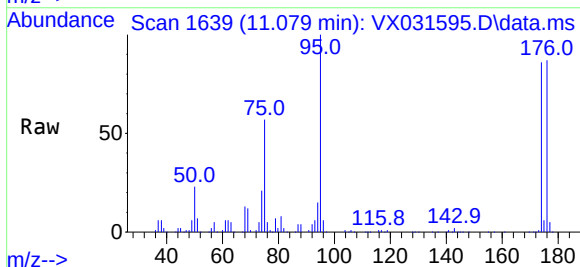
Tgt Ion: 75 Resp: 41490

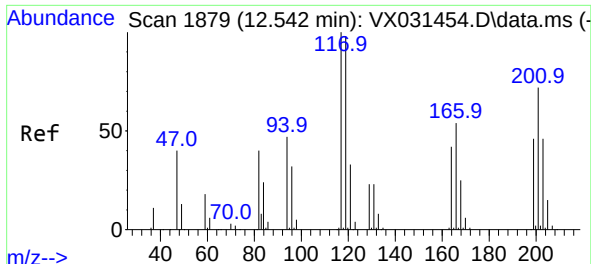
Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 37.4 56.0#

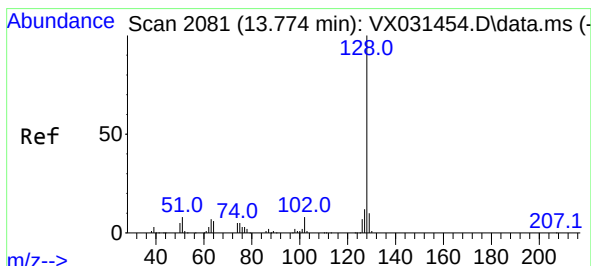
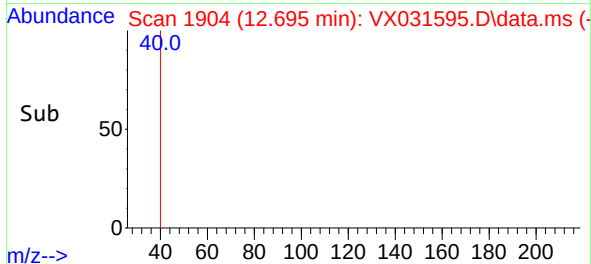
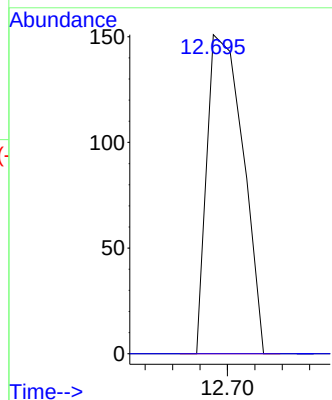
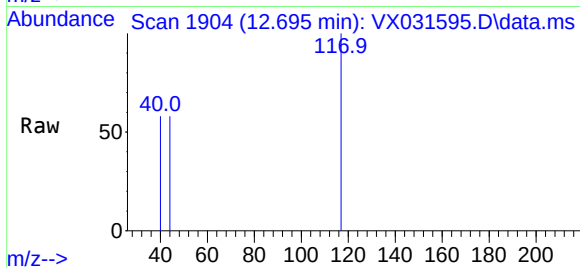




#90
Hexachloroethane
Concen: 0.267 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRADL

Tgt Ion:117 Resp: 138
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#95
Naphthalene
Concen: 0.237 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031595.D
Acq: 23 Sep 2022 02:11

Tgt Ion:128 Resp: 777
Ion Ratio Lower Upper
128 100
127 2.7 10.4 15.6#
129 0.0 8.8 13.2#

