

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061421\
 Data File : VX022693.D
 Acq On : 14 Jun 2021 15:05
 Operator : JC/MD
 Sample : M2705-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 06:12:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

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

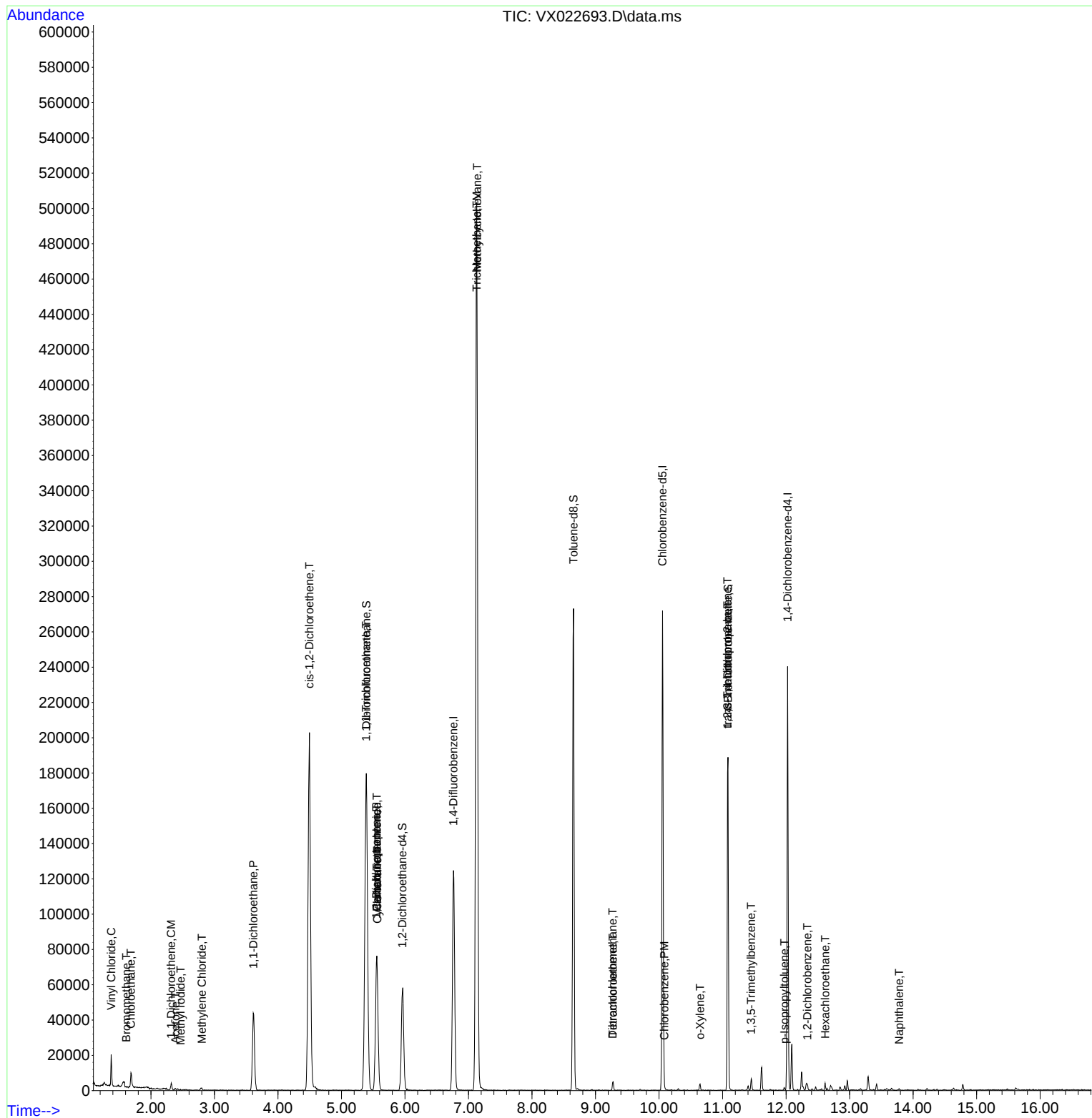
Internal Standards						
1) Pentafluorobenzene	5.556	168	63545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41980	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52278	45.74	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.48%		
35) Dibromofluoromethane	5.391	113	38462	48.73	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.46%		
50) Toluene-d8	8.653	98	154570	49.68	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.36%		
62) 4-Bromofluorobenzene	11.085	95	52494	44.61	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.22%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	9104	10.28	ug/l	96
5) Bromomethane	1.611	94	173	0.36	ug/l #	47
6) Chloroethane	1.685	64	4640	8.66	ug/l	98
10) Methyl Iodide	2.465	142	199	0.23	ug/l #	42
12) 1,1-Dichloroethene	2.319	96	1081	1.40	ug/l	92
16) Acetone	2.386	43	886	1.73	ug/l	91
20) Methylene Chloride	2.800	84	535	0.27	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	47482	27.72	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	120470	115.66	ug/l	93
31) Cyclohexane	5.562	56	1924	1.40	ug/l #	46
32) 1,1,1-Trichloroethane	5.385	97	125726	86.08	ug/l	97
36) 1,1-Dichloropropene	5.550	75	6228	5.05	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7865	7.46	ug/l #	17
39) Methylcyclohexane	7.135	83	2376	1.85	ug/l #	1
44) Trichloroethene	7.129	130	174152	202.30	ug/l	90
60) Dibromochloromethane	9.269	129	870	4.06	ug/l #	11
64) Tetrachloroethene	9.275	164	724	1.03	ug/l #	69
65) Chlorobenzene	10.086	112	861	0.37	ug/l #	80
69) o-Xylene	10.646	106	875	0.58	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	28773	25.85	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2761	0.96	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	28773	64.88	ug/l #	12
86) p-Isopropyltoluene	11.975	119	805	0.28	ug/l	97
90) Hexachloroethane	12.616	117	173	4.00	ug/l #	9
91) 1,2-Dichlorobenzene	12.335	146	959	0.70	ug/l	94
95) Naphthalene	13.780	128	504	1.61	ug/l #	87

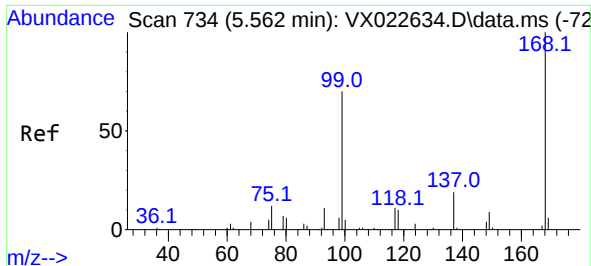
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
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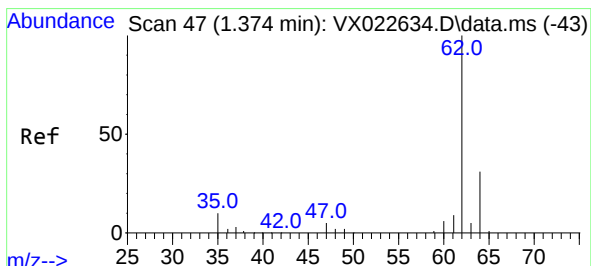
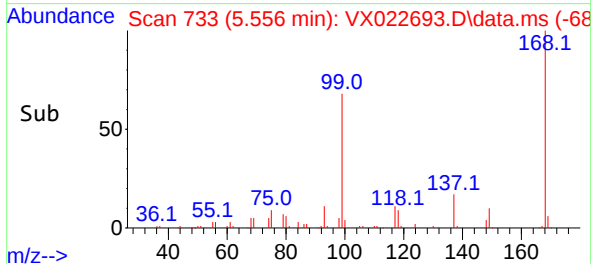
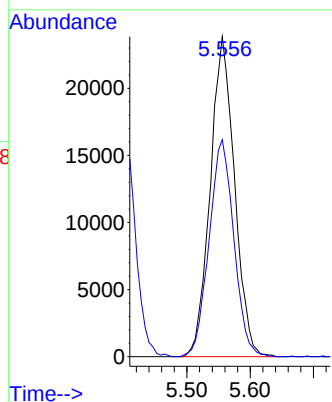
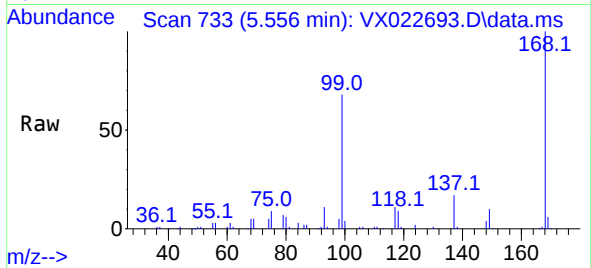




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

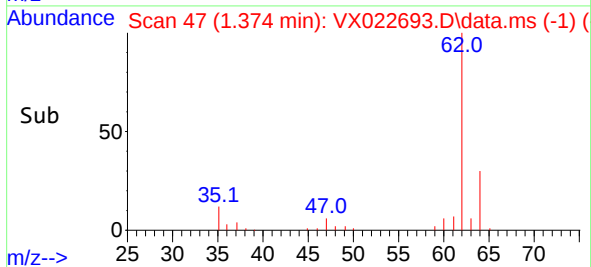
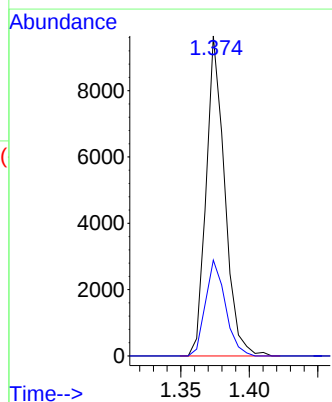
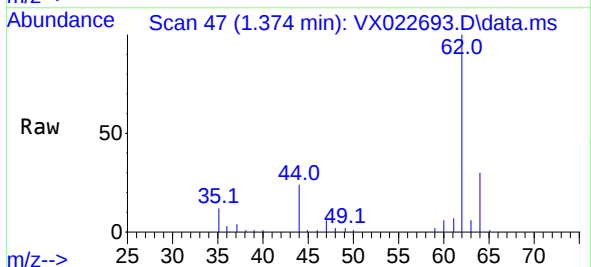
Instrument :
MSVOA_X
ClientSampleId :

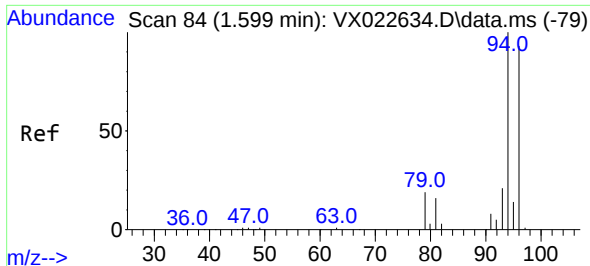
Tgt Ion:168 Resp: 63545
Ion Ratio Lower Upper
168 100
99 67.8 45.8 68.6



#4
Vinyl Chloride
Concen: 10.28 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 62 Resp: 9104
Ion Ratio Lower Upper
62 100
64 30.0 25.7 38.5

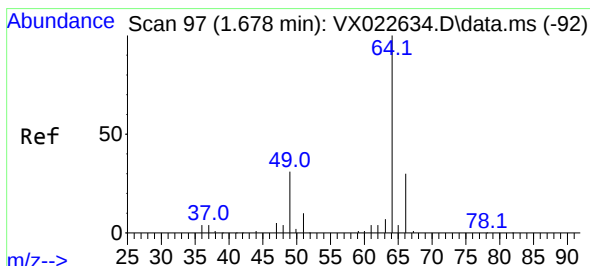
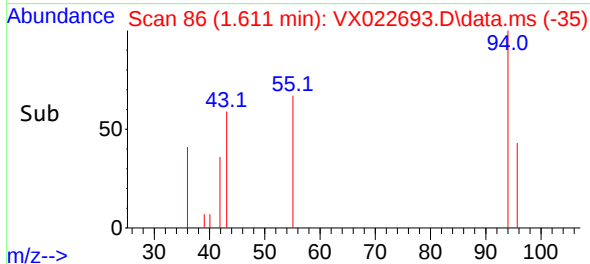
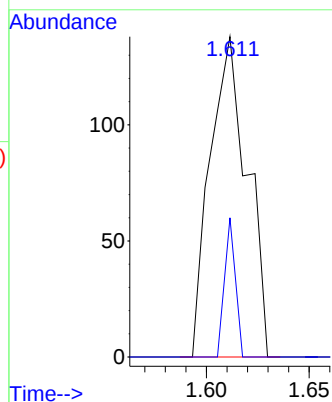
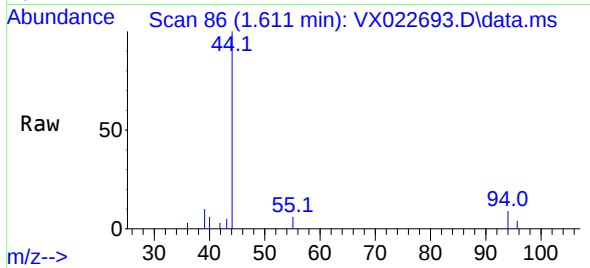




#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

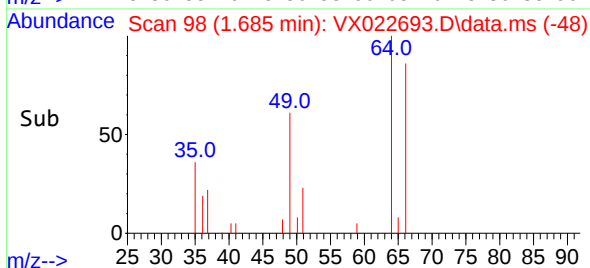
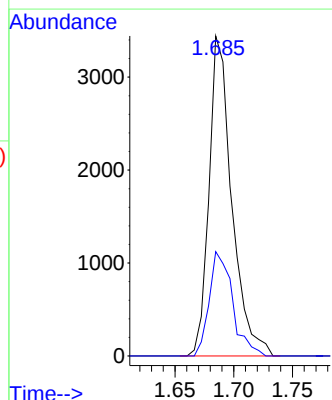
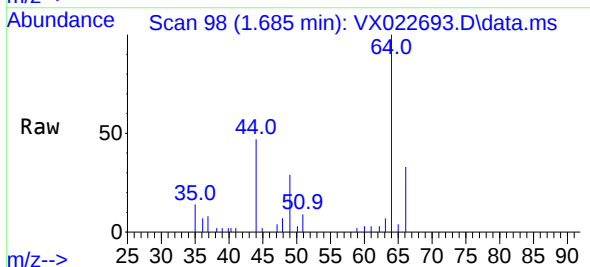
Instrument :
MSVOA_X
ClientSampled :

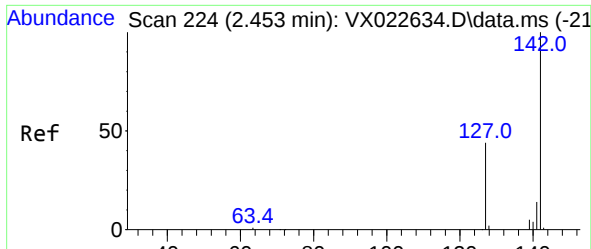
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 43.5 76.4 114.6#



#6
Chloroethane
Concen: 8.66 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

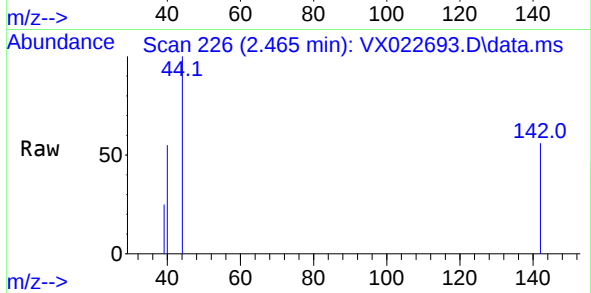
Tgt Ion: 64 Resp: 4640
Ion Ratio Lower Upper
64 100
66 32.6 25.4 38.0



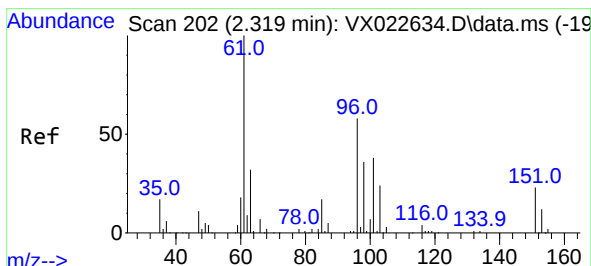
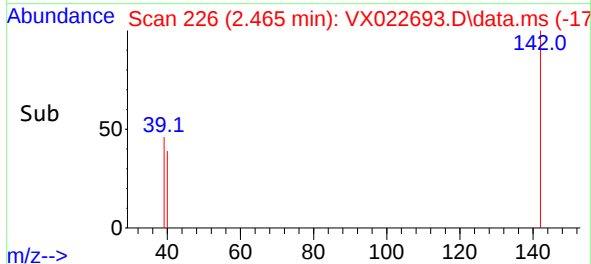
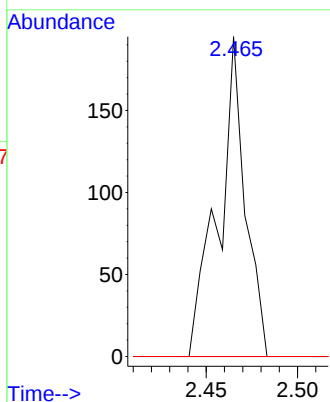


#10
Methyl Iodide
Concen: 0.23 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

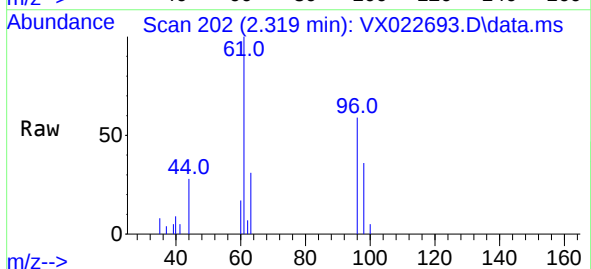
Instrument :
MSVOA_X
ClientSampled :



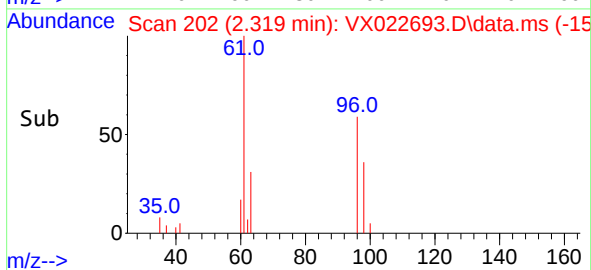
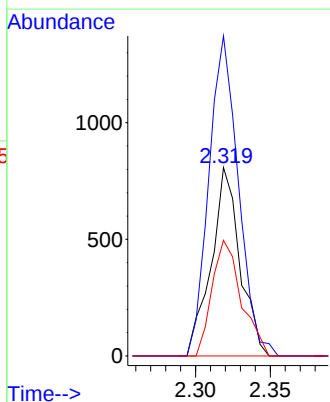
Tgt Ion:142 Resp: 199
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

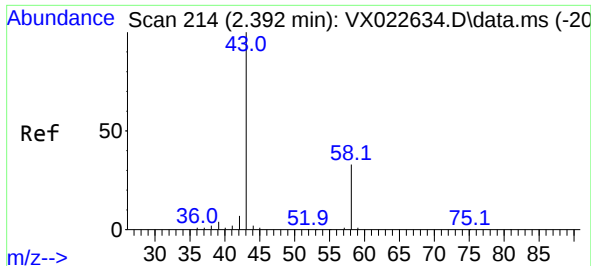


#12
1,1-Dichloroethene
Concen: 1.40 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05



Tgt Ion: 96 Resp: 1081
Ion Ratio Lower Upper
96 100
61 169.8 124.6 187.0
98 61.4 50.6 76.0

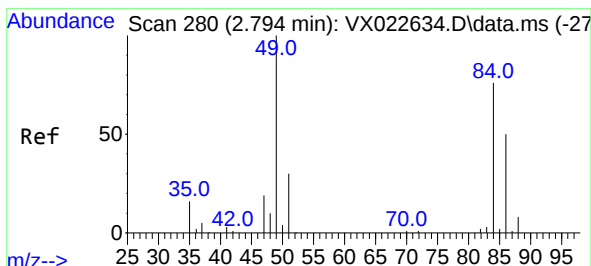
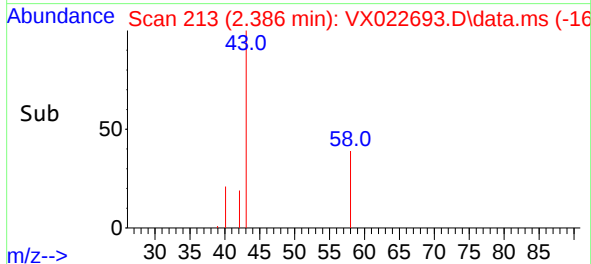
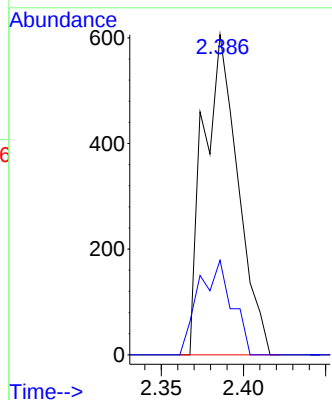
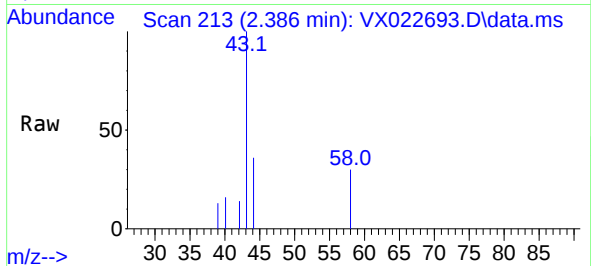




#16
Acetone
Concen: 1.73 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

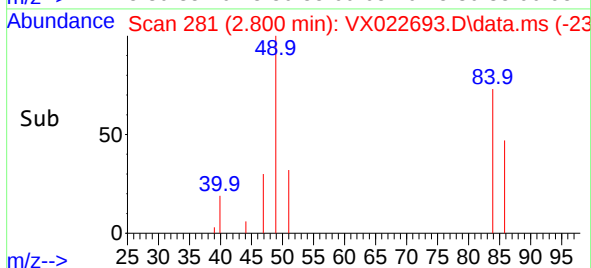
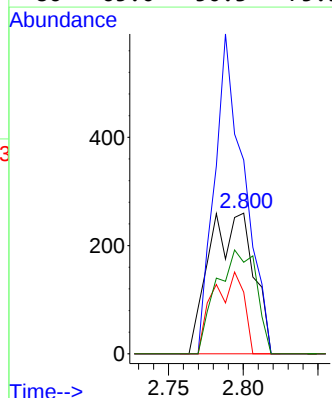
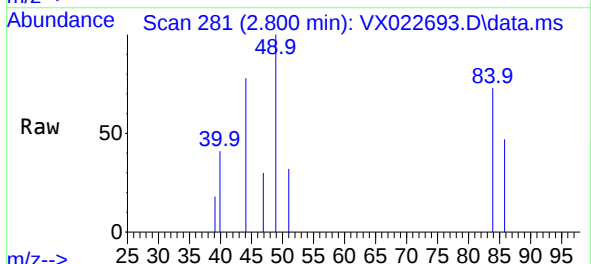
Instrument :
MSVOA_X
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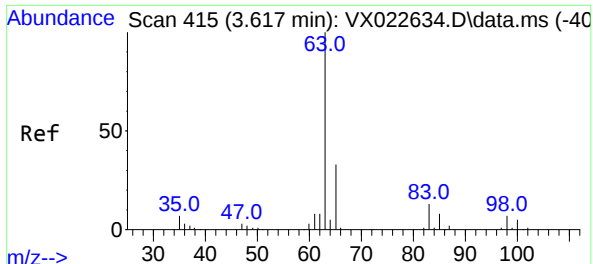
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 84 Resp: 535
Ion Ratio Lower Upper
84 100
49 137.7 88.6 132.8#
51 43.8 27.0 40.6#
86 65.0 50.3 75.5

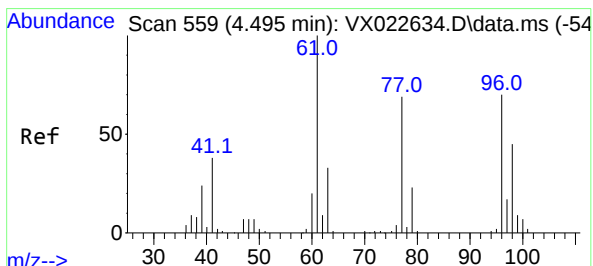
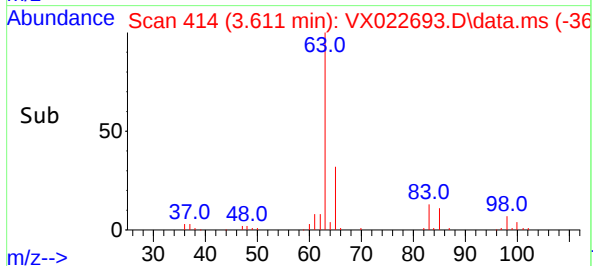
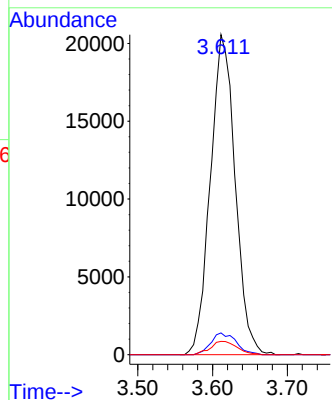
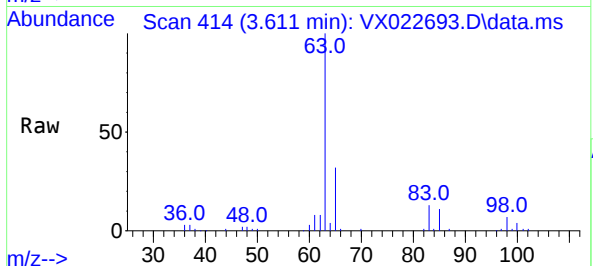




#24
1,1-Dichloroethane
Concen: 27.72 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

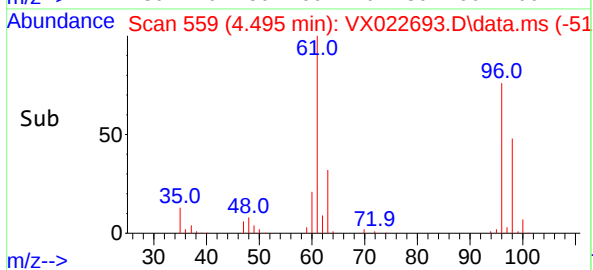
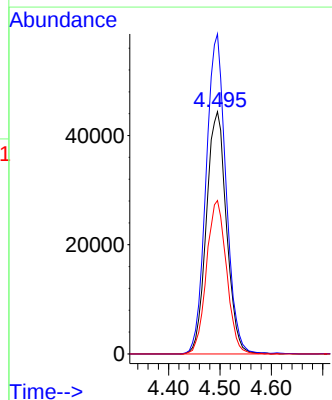
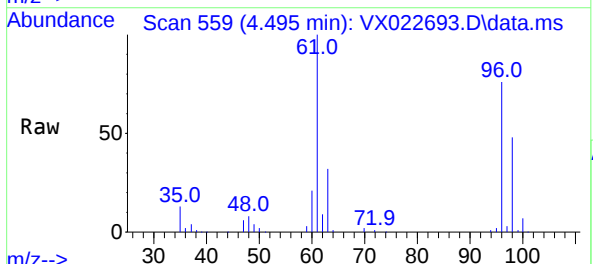
Instrument :
MSVOA_X
ClientSampled :

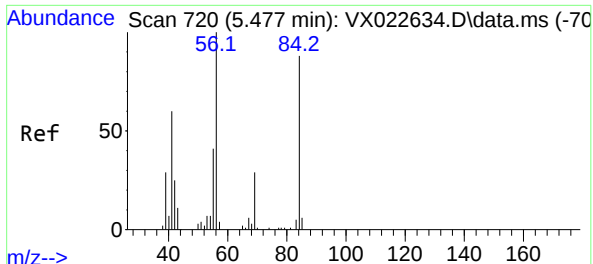
Tgt Ion: 63 Resp: 47482
Ion Ratio Lower Upper
63 100
98 6.8 3.8 11.2
100 4.2 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 115.66 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

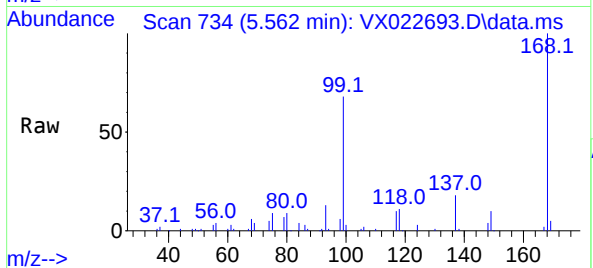
Tgt Ion: 96 Resp: 120470
Ion Ratio Lower Upper
96 100
61 130.5 0.0 285.6
98 63.2 0.0 129.6



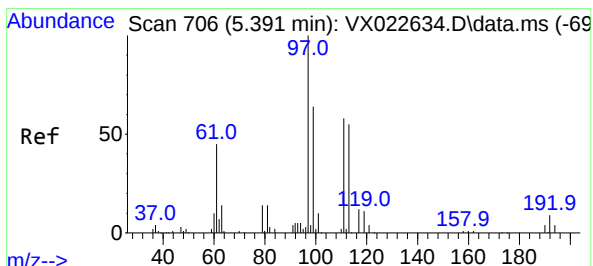
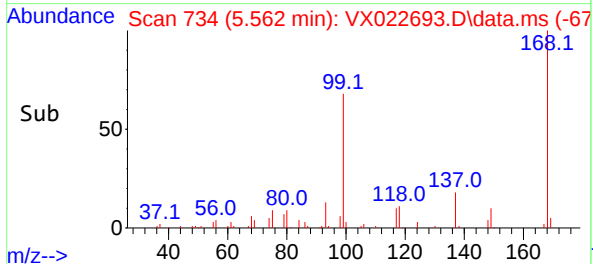
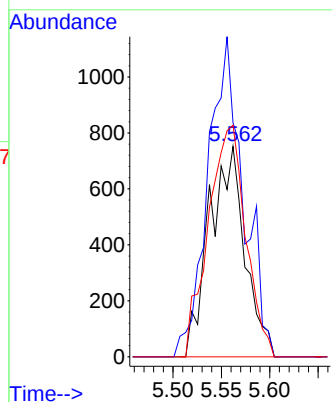


#31
Cyclohexane
Concen: 1.40 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Instrument :
MSVOA_X
ClientSampled :

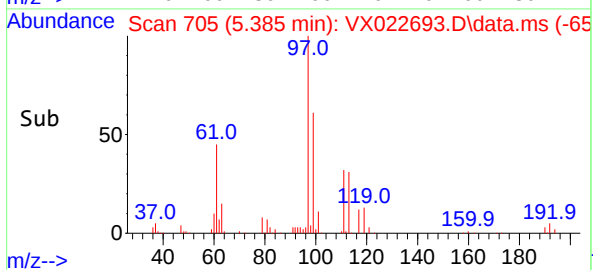
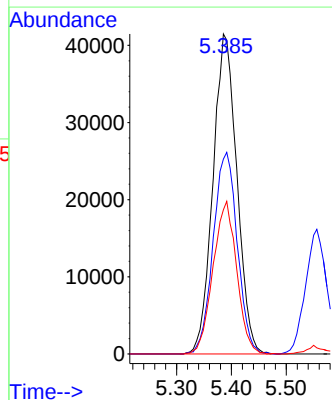
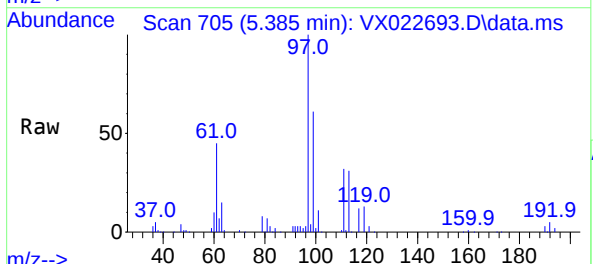


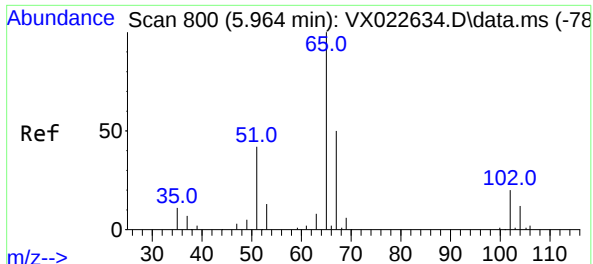
Tgt Ion: 56 Resp: 1924
Ion Ratio Lower Upper
56 100
69 111.3 25.3 37.9#
84 110.1 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 86.08 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 97 Resp: 125726
Ion Ratio Lower Upper
97 100
99 63.6 51.5 77.3
61 47.3 34.2 51.4

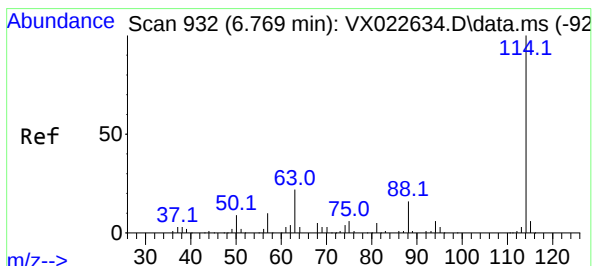
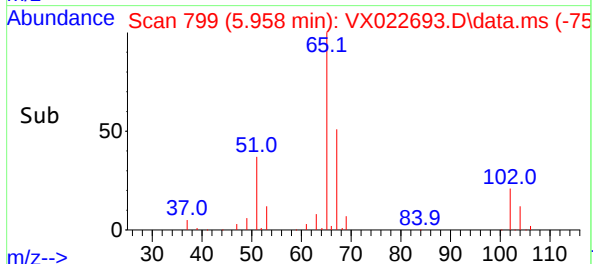
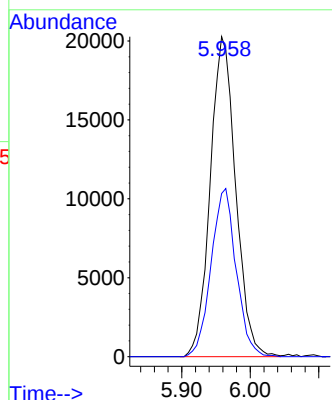
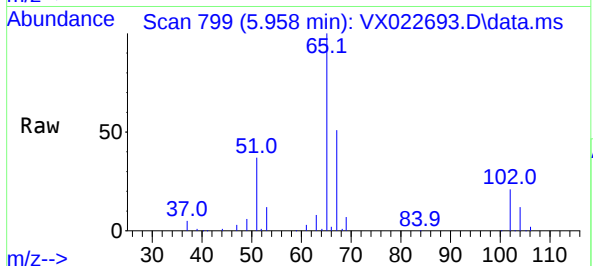




#33
1,2-Dichloroethane-d4
Concen: 45.74 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

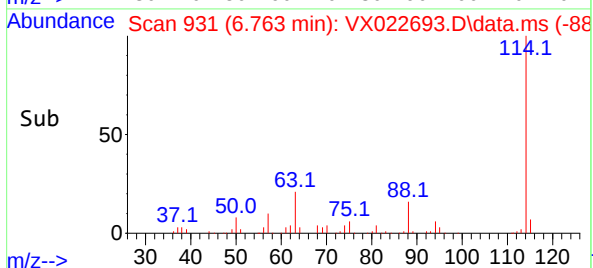
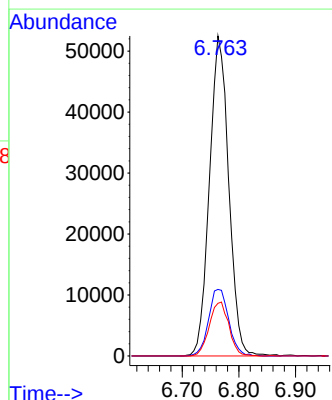
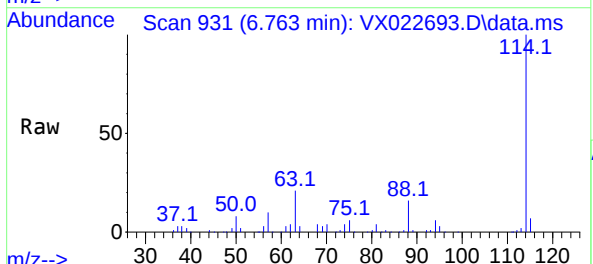
Instrument :
MSVOA_X
ClientSampleId :

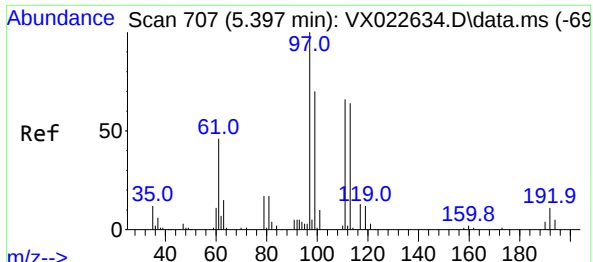
Tgt Ion: 65 Resp: 52278
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 114 Resp: 123711
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.4 0.0 32.8

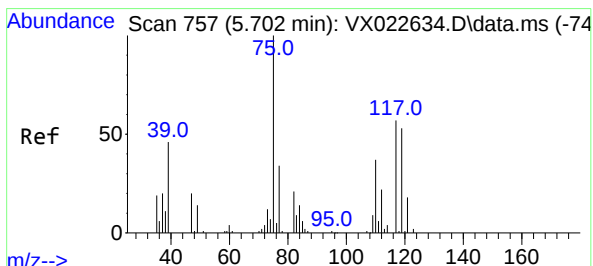
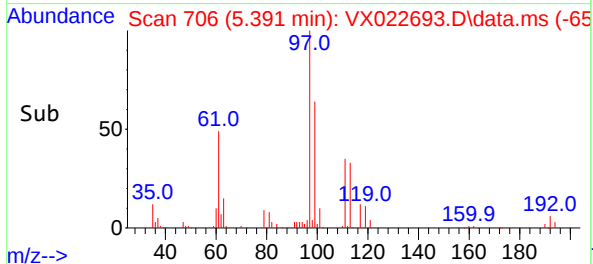
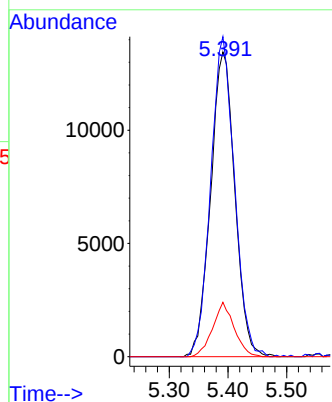
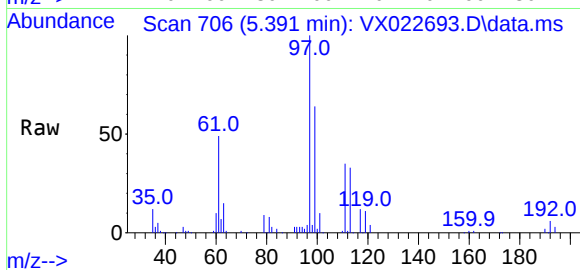




#35
Dibromofluoromethane
Concen: 48.73 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

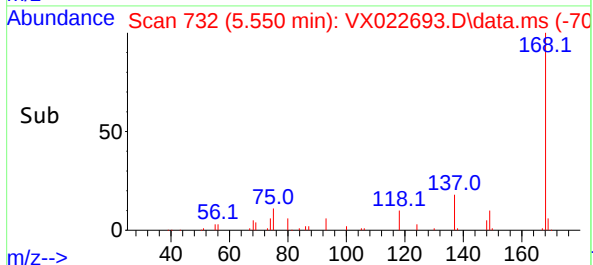
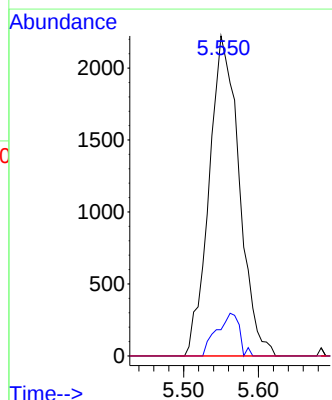
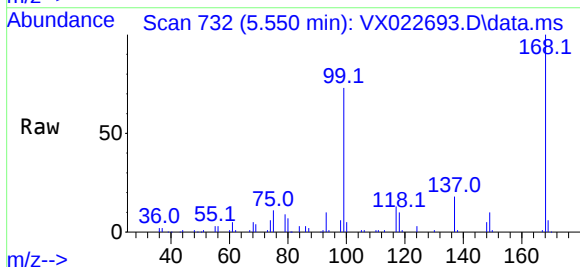
Instrument :
MSVOA_X
ClientSampled :

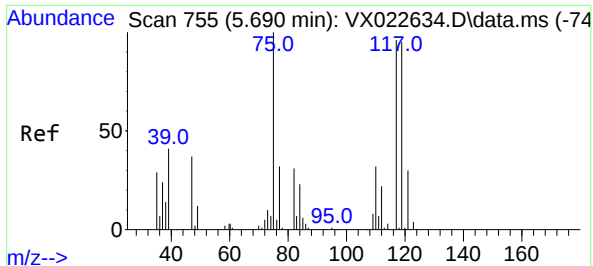
Tgt Ion:113 Resp: 38462
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 15.9 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.152 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

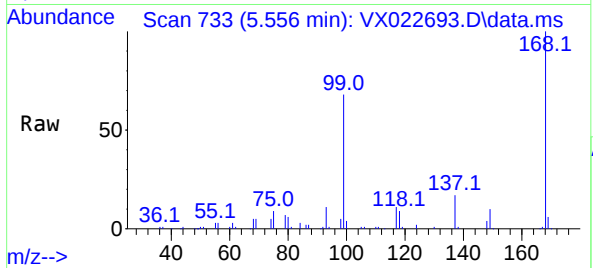
Tgt Ion: 75 Resp: 6228
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



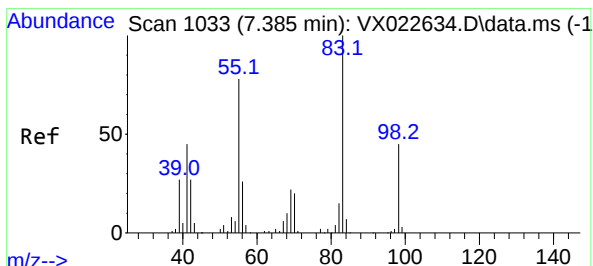
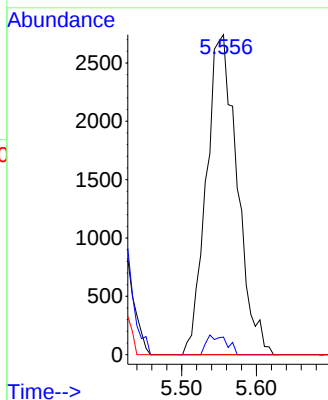
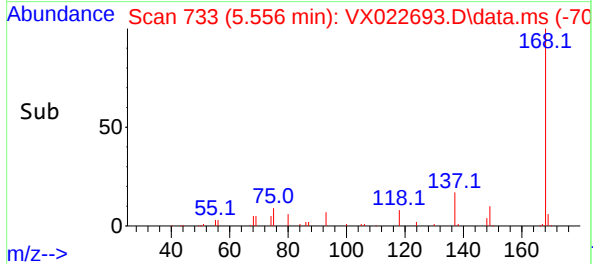


#38
Carbon Tetrachloride
Concen: 7.46 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

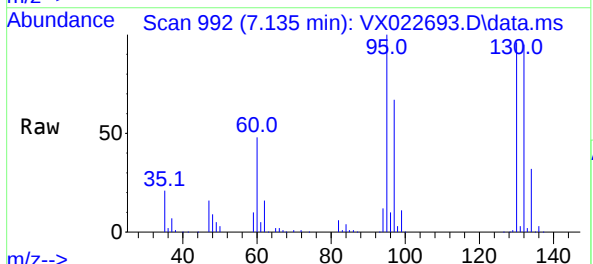
Instrument :
MSVOA_X
ClientSampled :



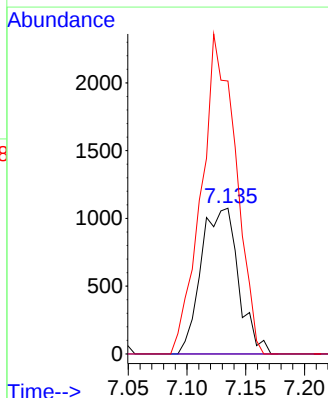
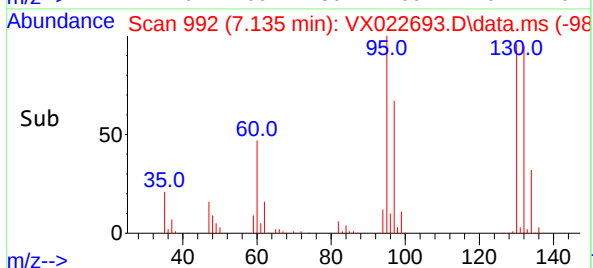
Tgt Ion:117 Resp: 7865
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

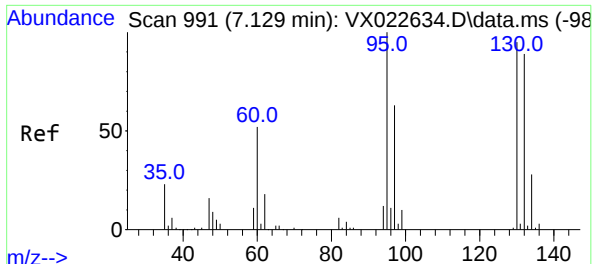


#39
Methylcyclohexane
Concen: 1.85 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05



Tgt Ion: 83 Resp: 2376
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 187.3 38.1 57.1#

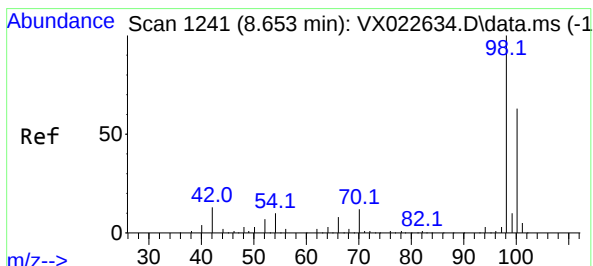
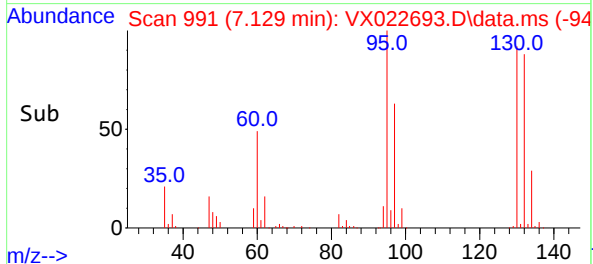
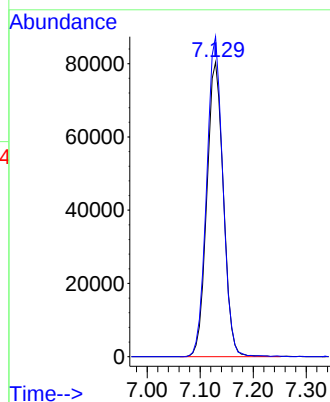
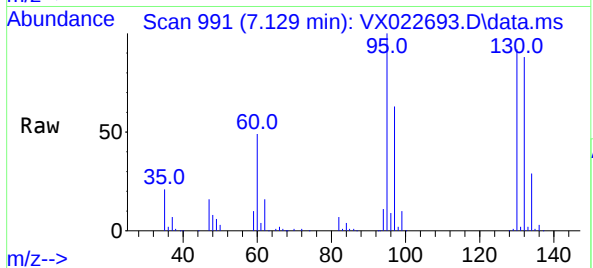




#44
Trichloroethene
Concen: 202.30 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

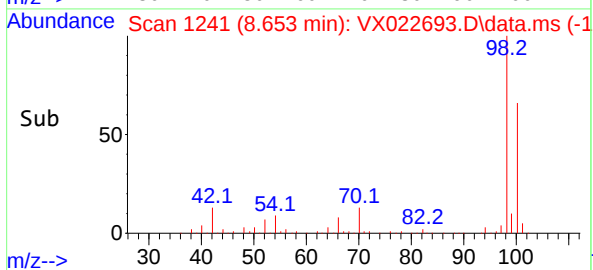
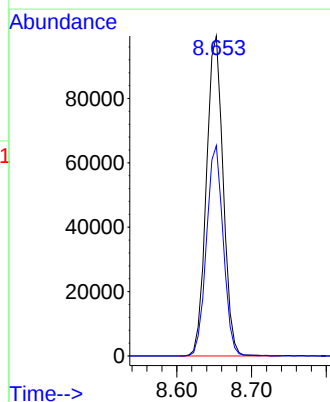
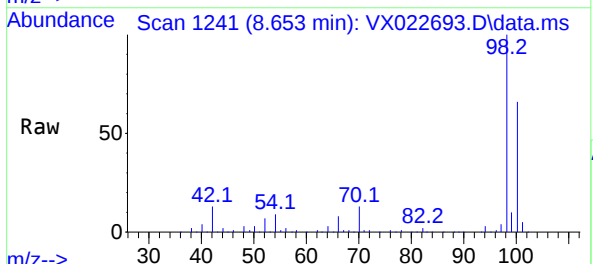
Instrument :
MSVOA_X
ClientSampleId :

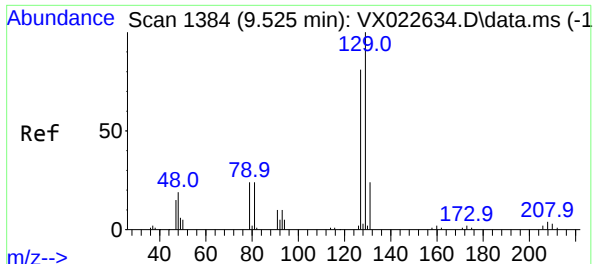
Tgt Ion:130 Resp: 174152
Ion Ratio Lower Upper
130 100
95 108.7 0.0 198.0



#50
Toluene-d8
Concen: 49.68 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 98 Resp: 154570
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

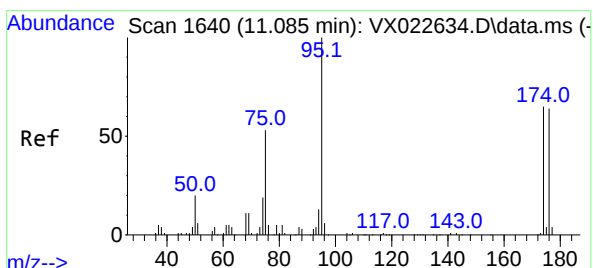
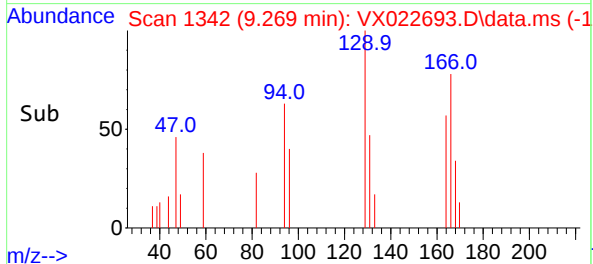
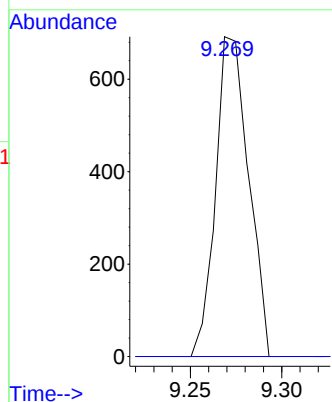
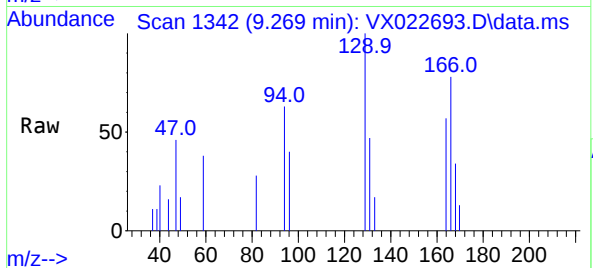




#60
Dibromochloromethane
Concen: 4.06 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

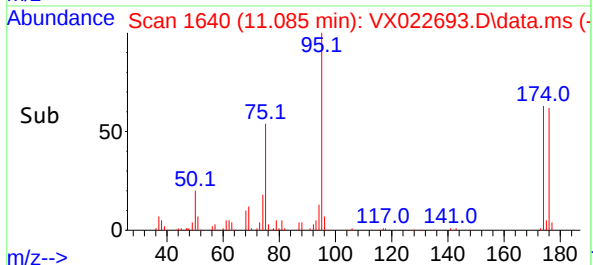
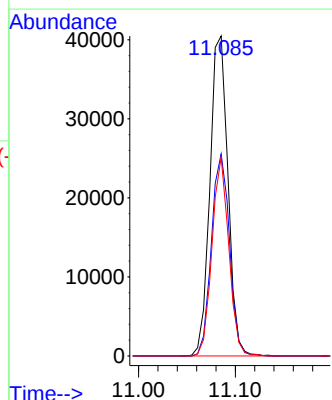
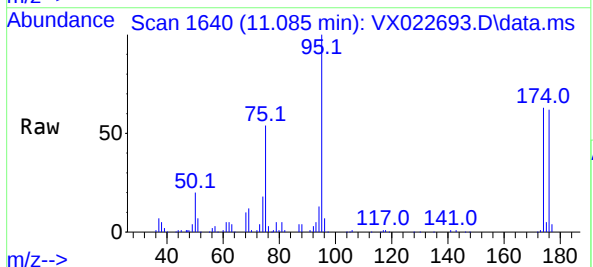
Instrument :
MSVOA_X
ClientSampled :

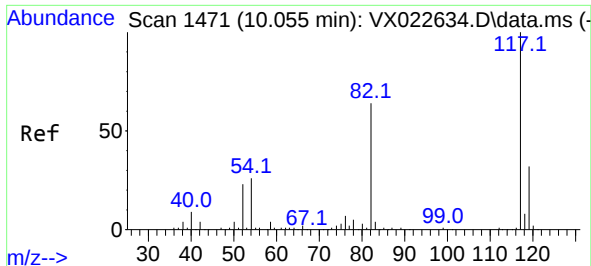
Tgt Ion:129 Resp: 870
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.61 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 95 Resp: 52494
Ion Ratio Lower Upper
95 100
174 63.1 0.0 154.6
176 57.7 0.0 155.8

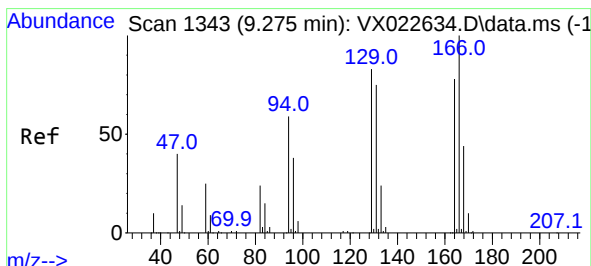
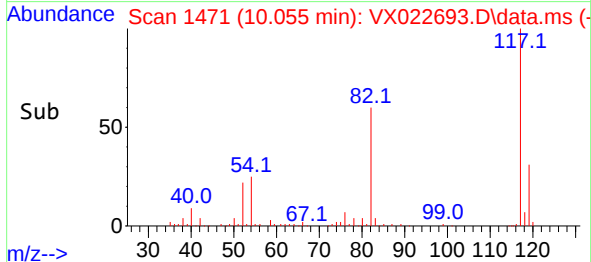
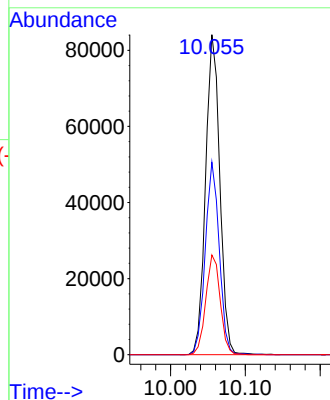
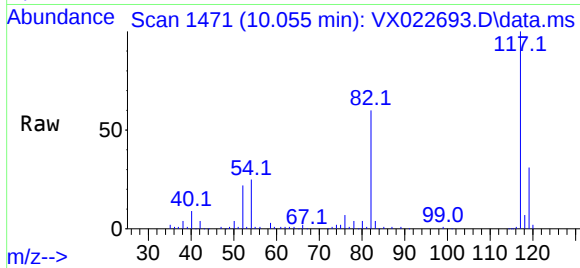




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

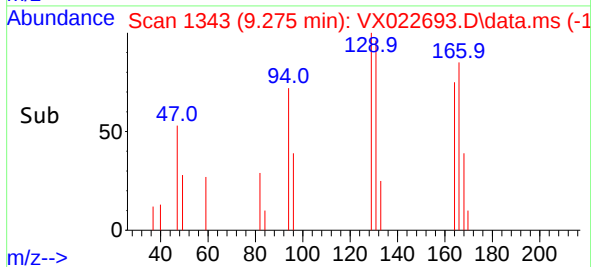
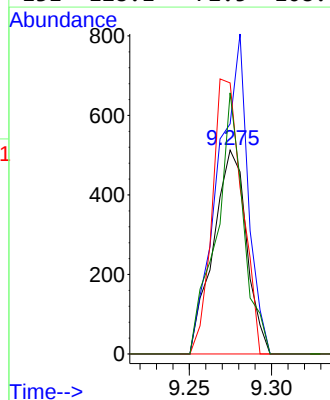
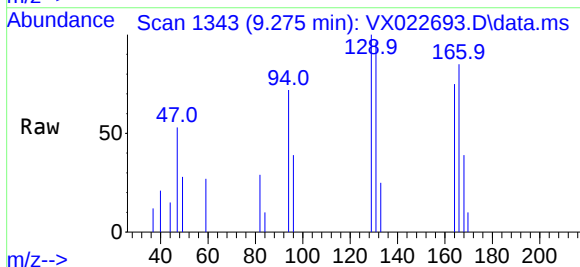
Instrument :
MSVOA_X
ClientSampled :

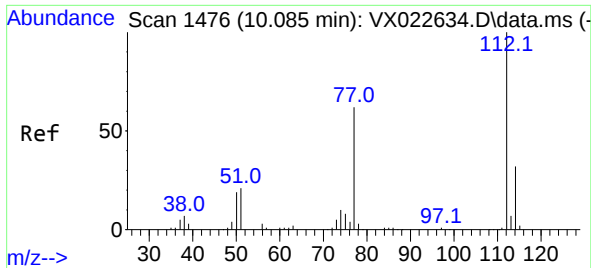
Tgt Ion:117 Resp: 111290
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.2 26.6 39.8



#64
Tetrachloroethene
Concen: 1.03 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion:164 Resp: 724
Ion Ratio Lower Upper
164 100
166 112.9 103.4 155.2
129 132.9 70.8 106.2#
131 128.1 72.5 108.7#

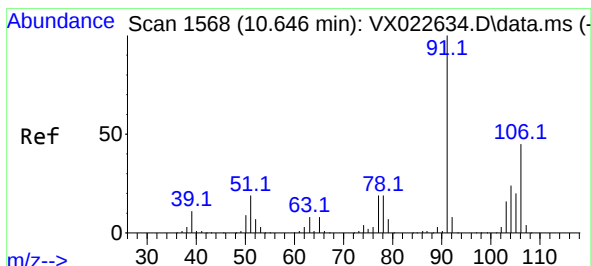
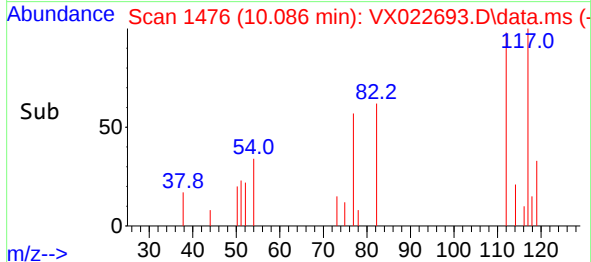
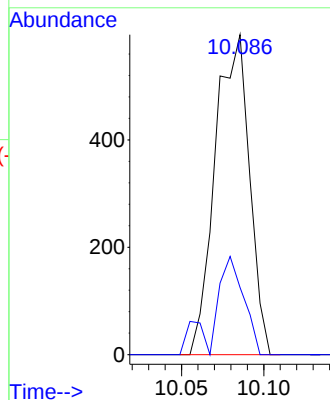
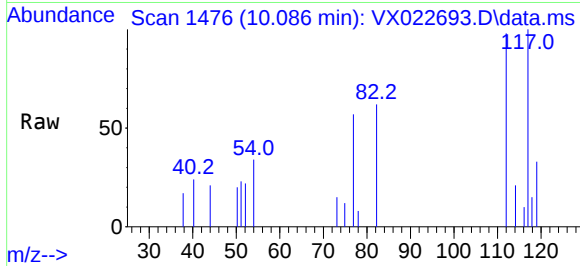




#65
Chlorobenzene
Concen: 0.37 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

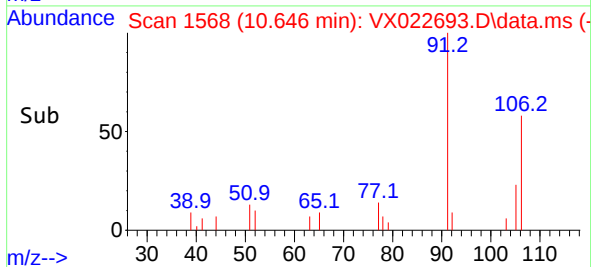
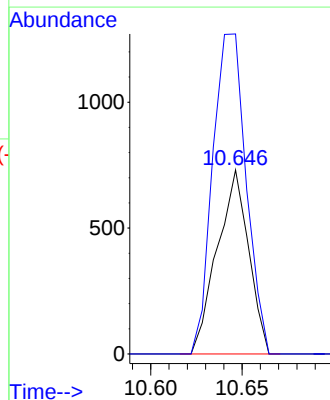
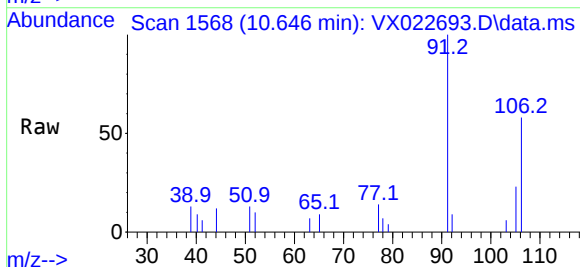
Instrument :
MSVOA_X
ClientSampled :

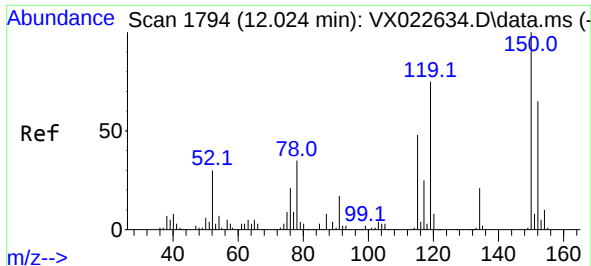
Tgt Ion:112 Resp: 861
Ion Ratio Lower Upper
112 100
114 21.0 25.8 38.6#



#69
o-Xylene
Concen: 0.58 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion:106 Resp: 875
Ion Ratio Lower Upper
106 100
91 185.3 108.1 324.2

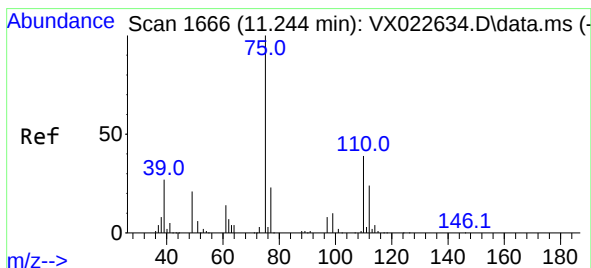
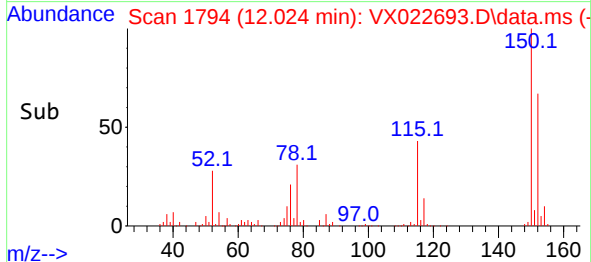
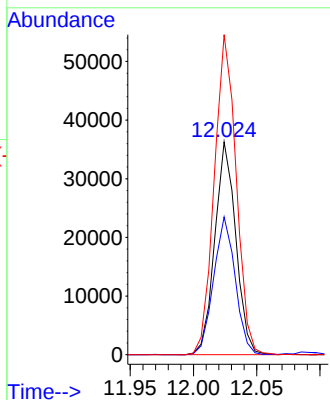
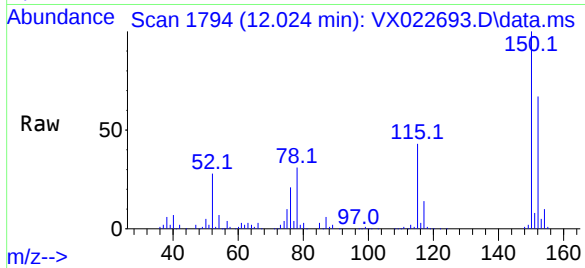




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

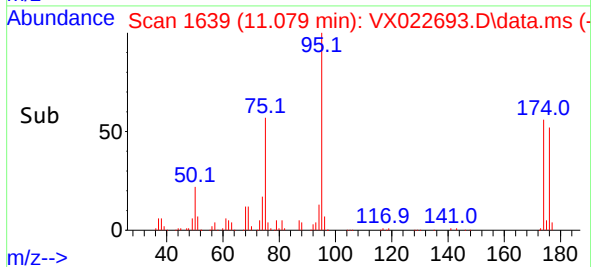
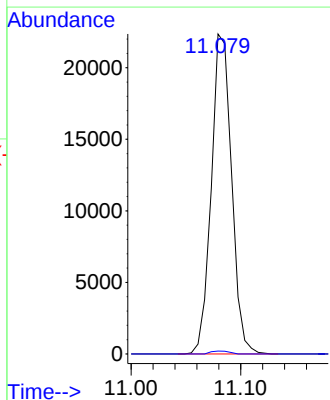
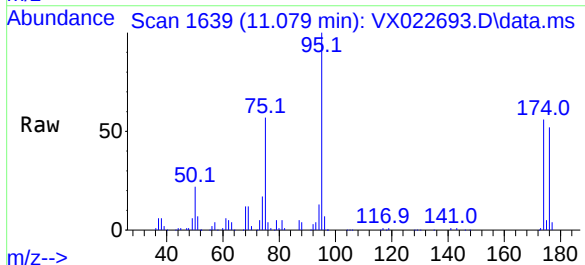
Instrument :
MSVOA_X
ClientSampled :

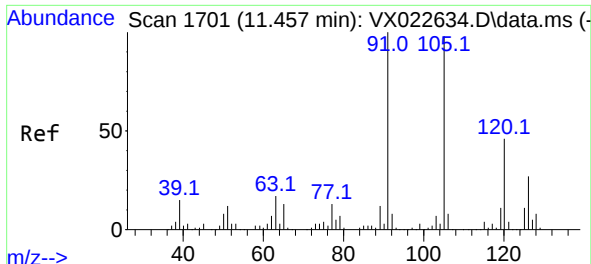
Tgt Ion:152 Resp: 41980
Ion Ratio Lower Upper
152 100
115 66.5 41.1 123.3
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.85 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 75 Resp: 28773
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#

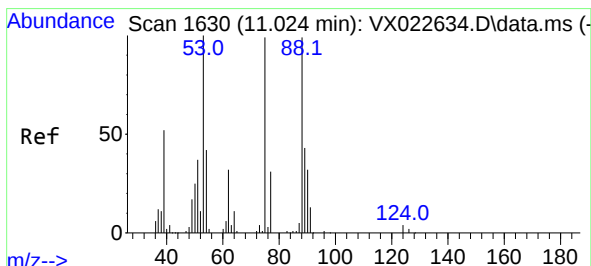
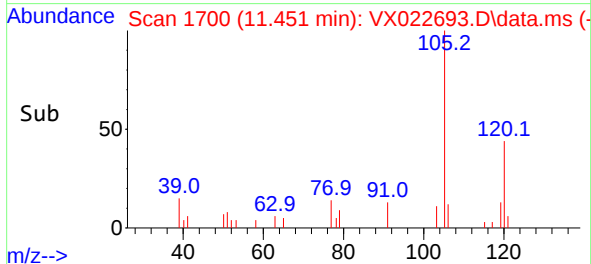
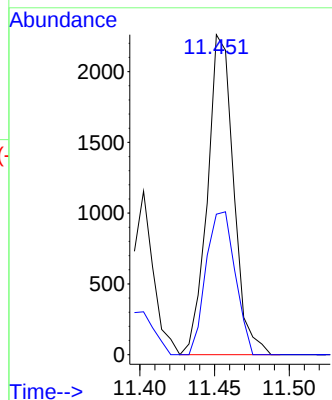
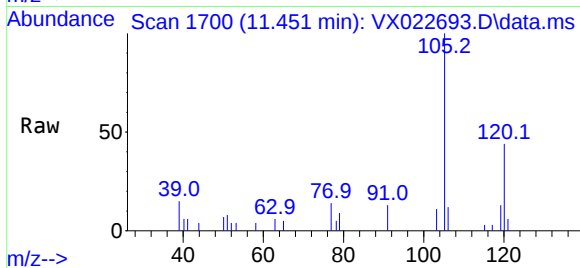




#80
1,3,5-Trimethylbenzene
Concen: 0.96 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

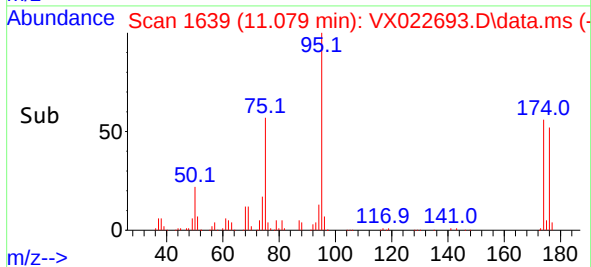
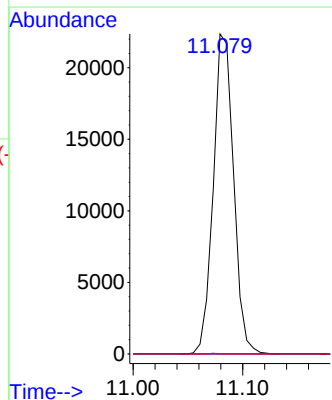
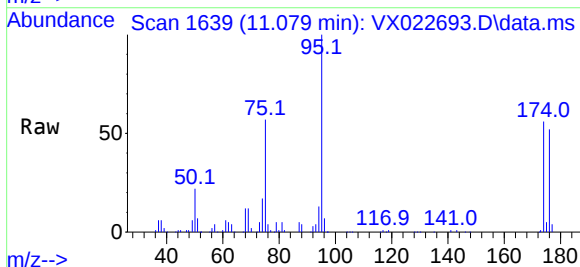
Instrument :
MSVOA_X
ClientSampled :

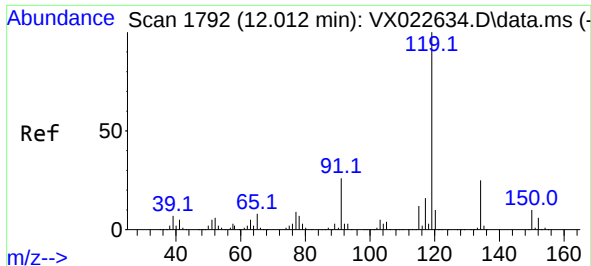
Tgt Ion:105 Resp: 2761
Ion Ratio Lower Upper
105 100
120 49.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 64.88 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion: 75 Resp: 28773
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

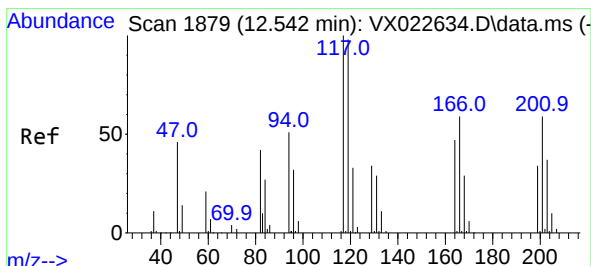
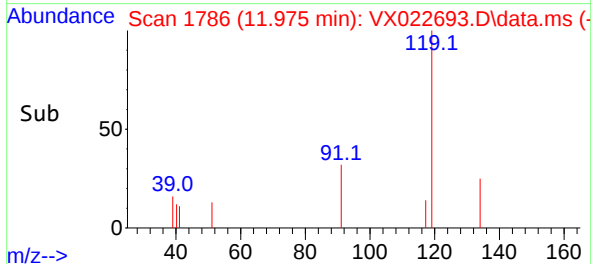
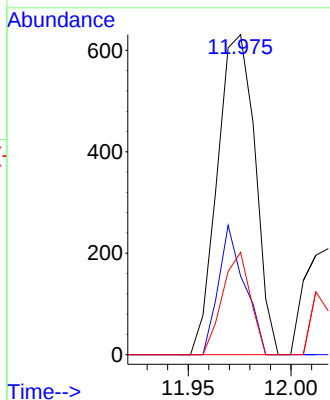
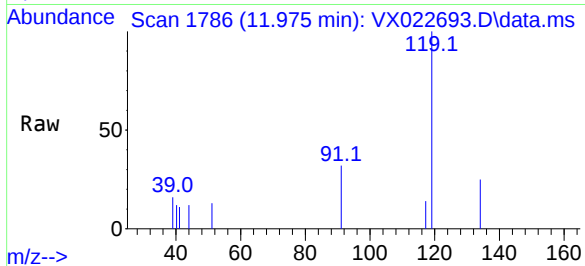




#86
p-Isopropyltoluene
Concen: 0.28 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.037 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

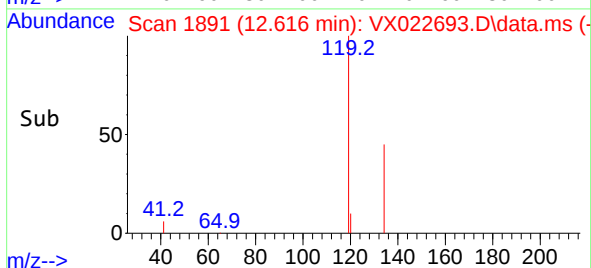
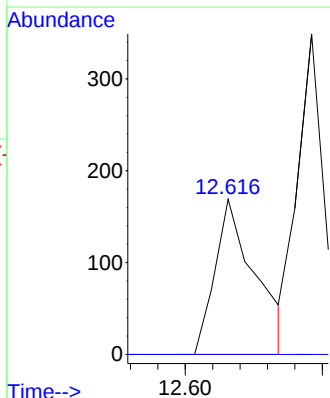
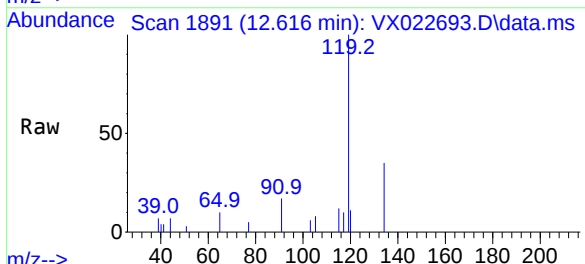
Instrument :
MSVOA_X
ClientSampled :

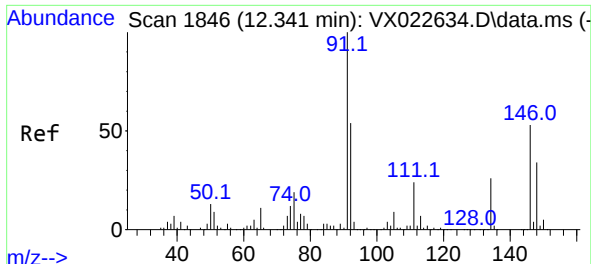
Tgt Ion:119 Resp: 805
Ion Ratio Lower Upper
119 100
134 28.0 12.9 38.7
91 23.6 11.7 35.0



#90
Hexachloroethane
Concen: 4.00 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.074 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion:117 Resp: 173
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



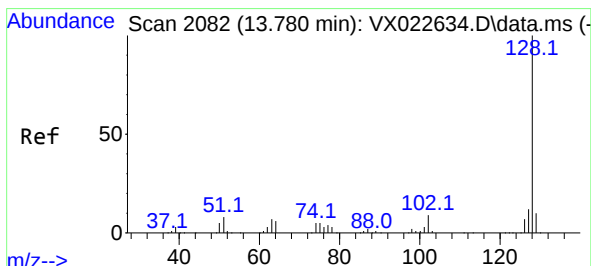
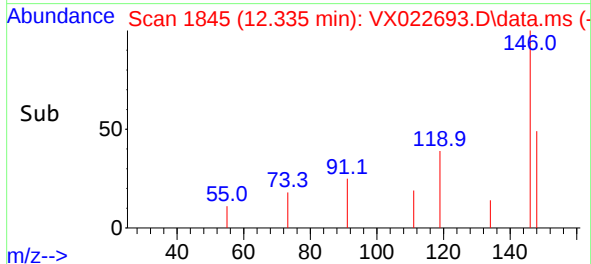
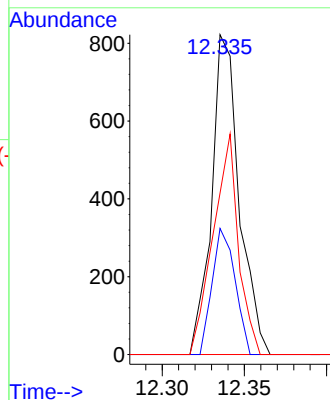
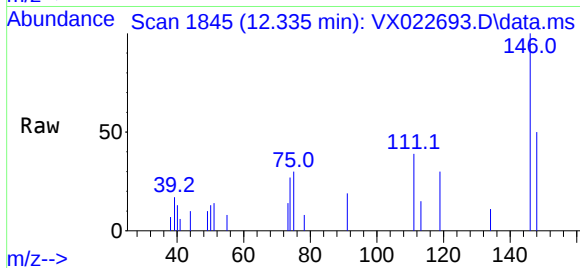


#91
1,2-Dichlorobenzene
Concen: 0.70 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:146 Resp: 959

Ion	Ratio	Lower	Upper
146	100		
111	32.7	20.8	62.2
148	63.0	31.9	95.5



#95
Naphthalene
Concen: 1.61 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022693.D
Acq: 14 Jun 2021 15:05

Tgt Ion:128 Resp: 504

Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.3	15.5#
129	4.4	8.8	13.2#

