

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023245.D
 Acq On : 12 Jul 2021 16:35
 Operator : JC/MD
 Sample : M3007-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 13 01:29:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

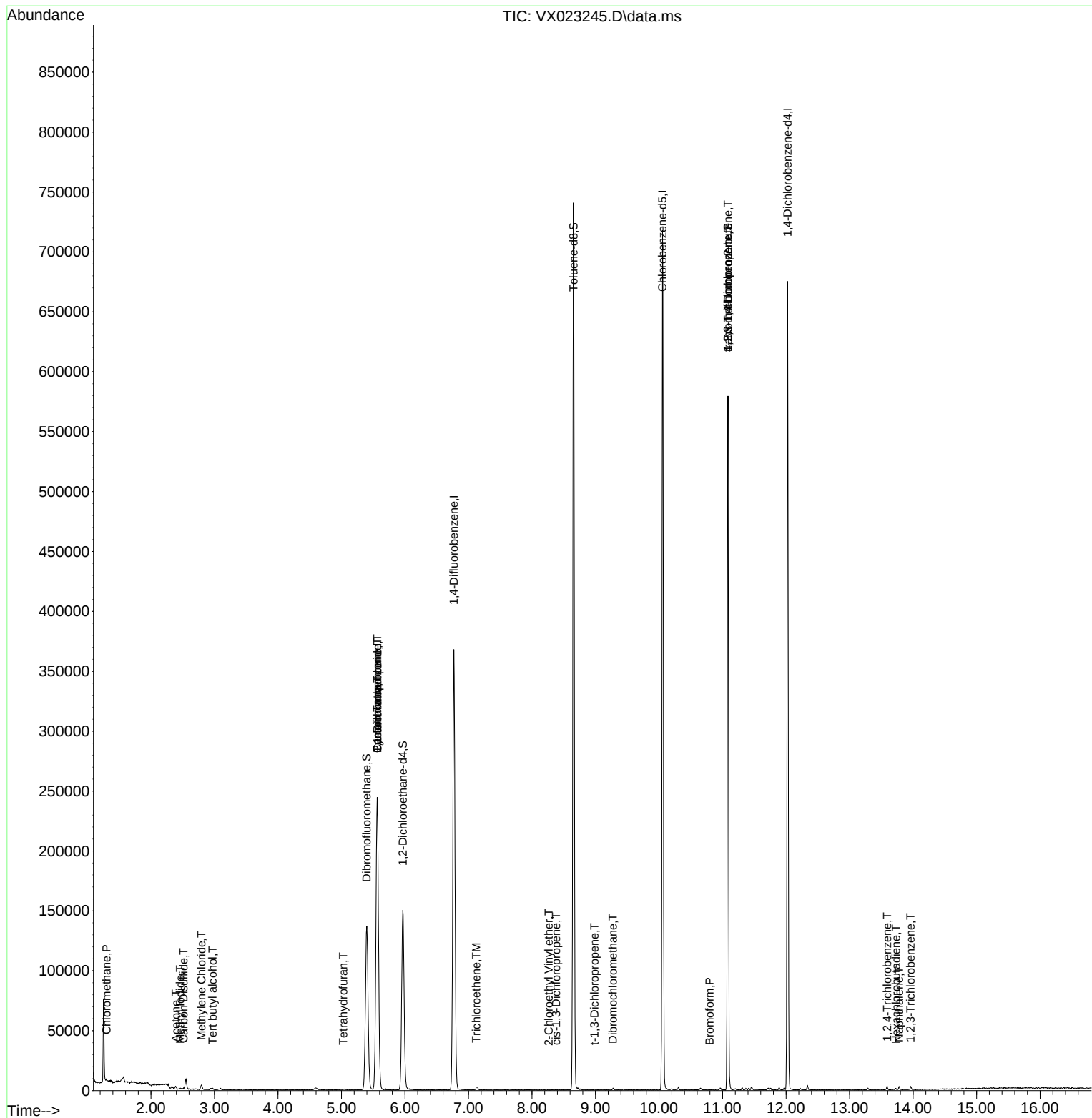
Internal Standards						
1) Pentafluorobenzene	5.562	168	231436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	375941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150385	48.348	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.397	113	118757	48.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.840%		
50) Toluene-d8	8.653	98	434358	47.965	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.920%		
62) 4-Bromofluorobenzene	11.085	95	155263	44.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.820%		
Target Compounds			Qvalue			
3) Chloromethane	1.301	50	438	0.211	ug/l	88
5) Bromomethane	1.618	94	672	Below Cal	#	55
10) Methyl Iodide	2.459	142	952	0.347	ug/l	# 86
11) Tert butyl alcohol	2.971	59	920	1.406	ug/l	# 73
16) Acetone	2.392	43	2258	1.835	ug/l	# 83
17) Carbon Disulfide	2.514	76	1241	0.285	ug/l	# 93
20) Methylene Chloride	2.794	84	1821	0.687	ug/l	90
29) Tetrahydrofuran	5.025	42	288	0.241	ug/l	# 27
31) Cyclohexane	5.562	56	4676	1.256	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	17377	5.185	ug/l	# 50
38) Carbon Tetrachloride	5.562	117	23556	6.734	ug/l	# 17
44) Trichloroethene	7.123	130	1038	0.376	ug/l	82
53) t-1,3-Dichloropropene	8.982	75	193	2.780	ug/l	97
54) cis-1,3-Dichloropropene	8.379	75	89	2.192	ug/l	# 52
58) 2-Chloroethyl Vinyl ether	8.263	63	27	4.702	ug/l	# 45
60) Dibromochloromethane	9.275	129	234	3.187	ug/l	# 11
71) Bromoform	10.799	173	53	4.081	ug/l	# 29
76) 1,2,3-Trichloropropane	11.085	75	79102	28.448	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	79102	76.630	ug/l	# 12
93) 1,2,4-Trichlorobenzene	13.591	180	622	0.222	ug/l	# 80
94) Hexachlorobutadiene	13.731	225	264	0.223	ug/l	84
95) Naphthalene	13.780	128	1655	1.432	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	575	0.204	ug/l	65

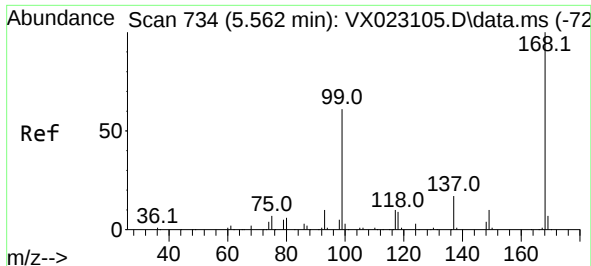
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jul 13 01:29:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

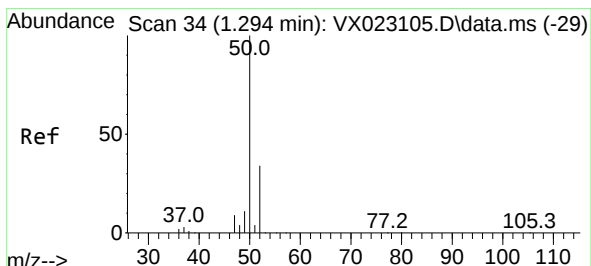
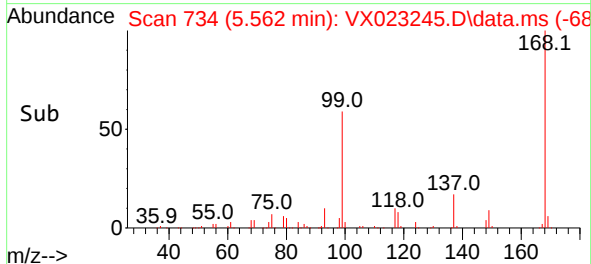
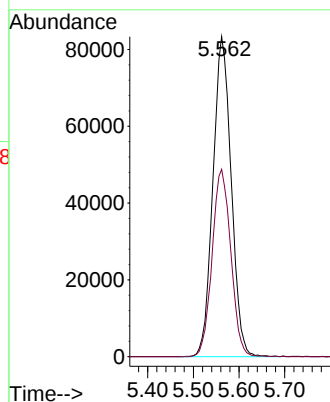
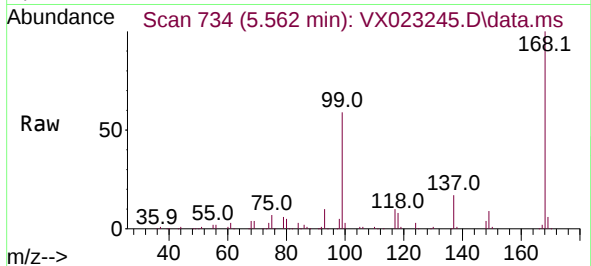




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

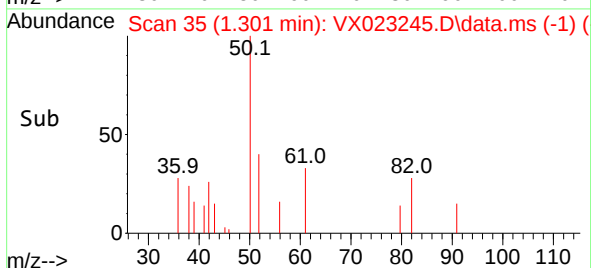
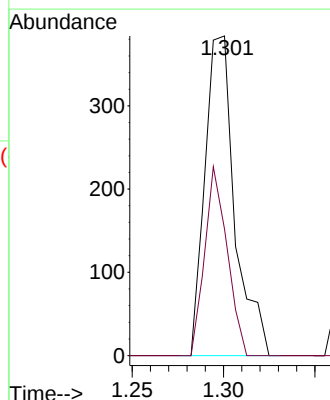
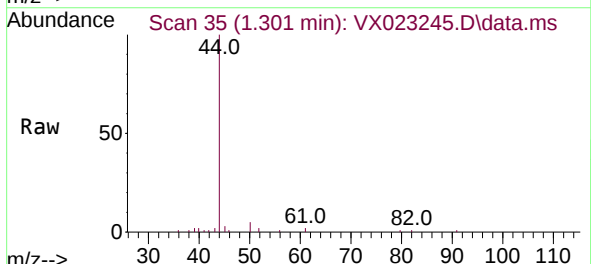
Instrument :
MSVOA_X
ClientSampled :

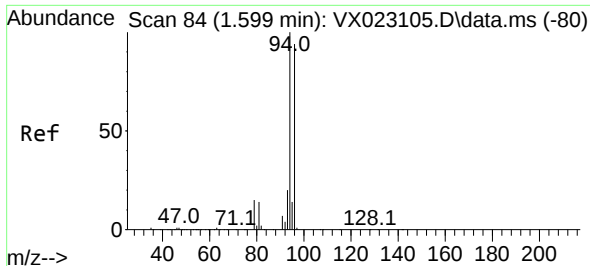
Tgt Ion:168 Resp: 231436
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 39.6 26.4 39.6

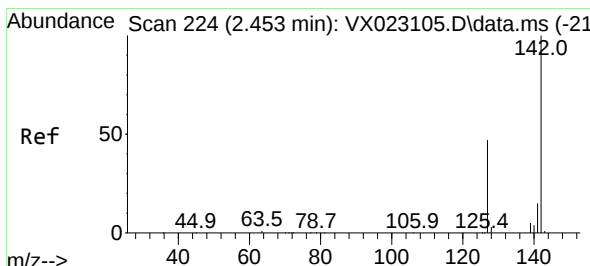
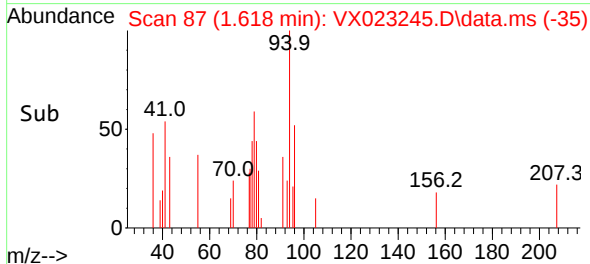
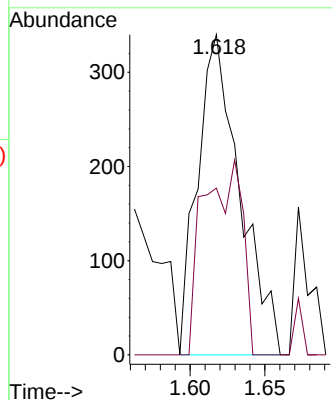
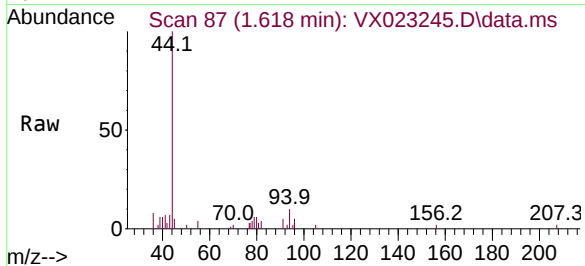




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

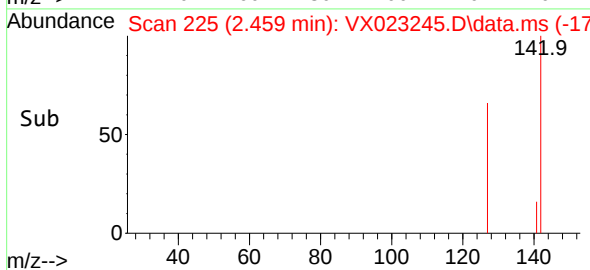
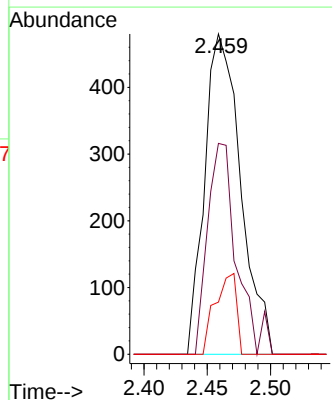
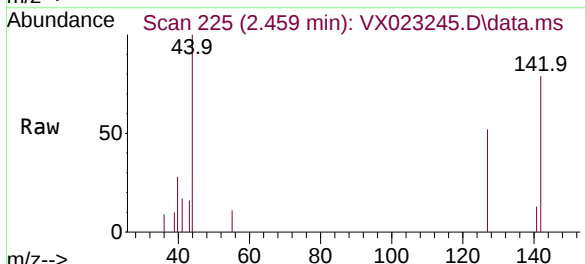
Instrument :
MSVOA_X
ClientSampleId :

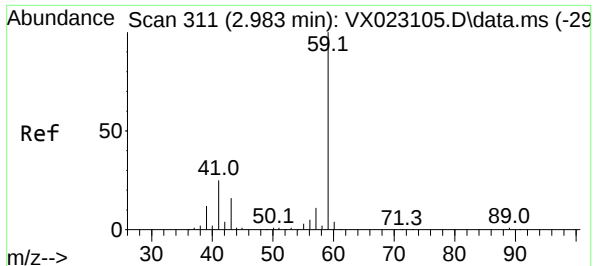
Tgt Ion: 94 Resp: 672
Ion Ratio Lower Upper
94 100
96 52.1 76.4 114.6#



#10
Methyl Iodide
Concen: 0.347 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 142 Resp: 952
Ion Ratio Lower Upper
142 100
127 53.4 33.3 49.9#
141 14.8 11.4 17.0



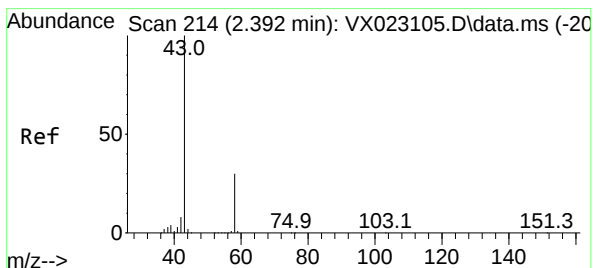
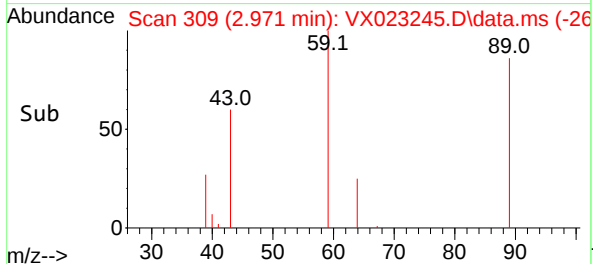
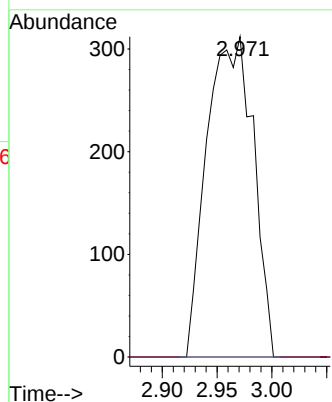
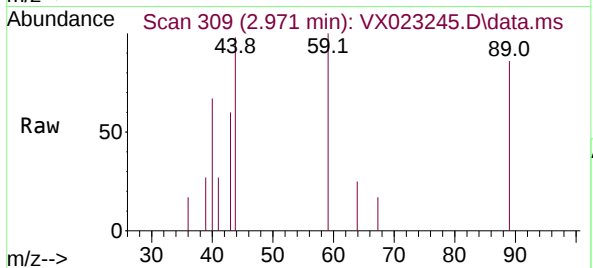


#11

Tert butyl alcohol
Concen: 1.406 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Instrument :
MSVOA_X
ClientSampled :

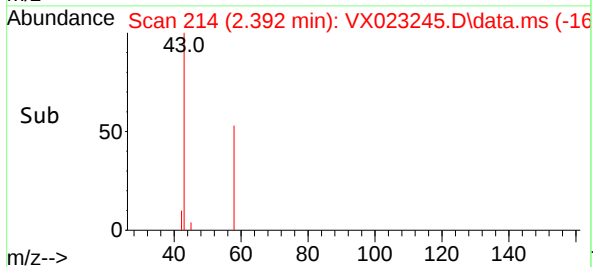
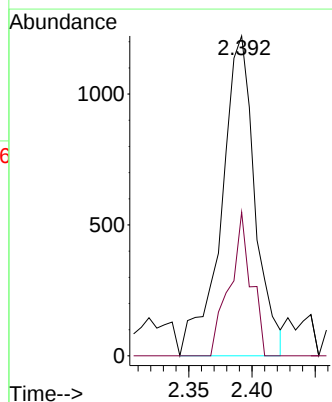
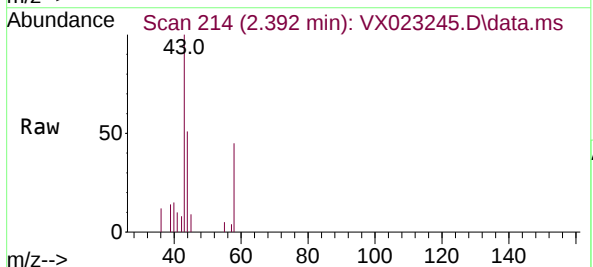
Tgt Ion: 59 Resp: 920
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

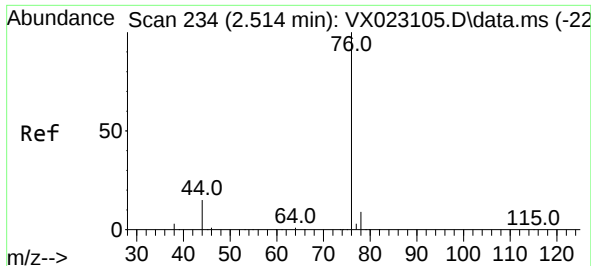


#16

Acetone
Concen: 1.835 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 44.9 27.8 41.8#

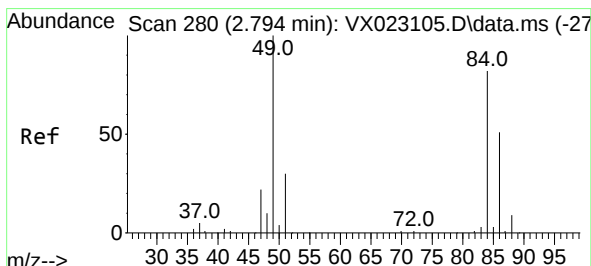
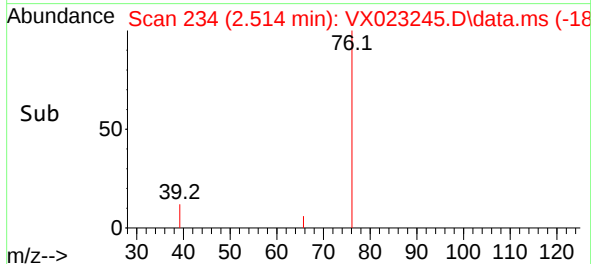
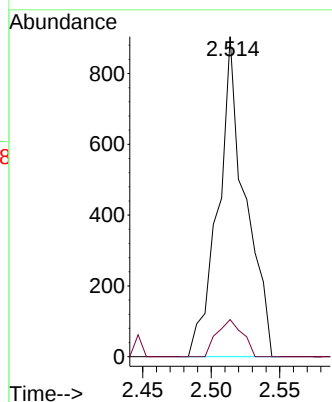
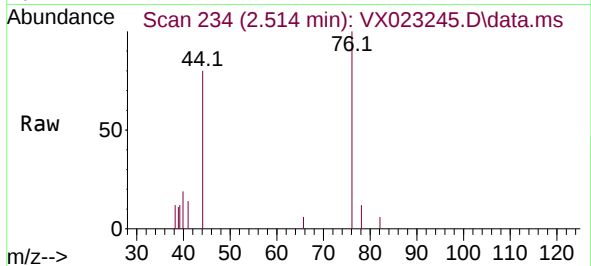




#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

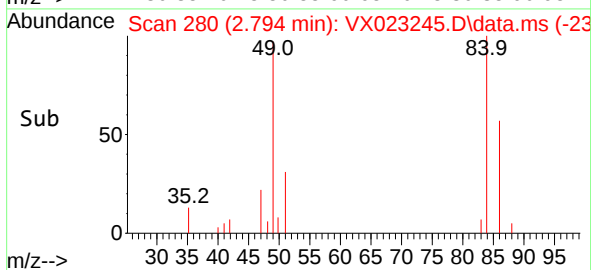
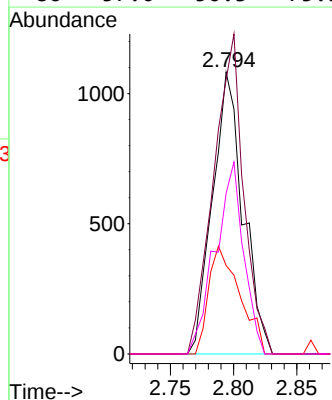
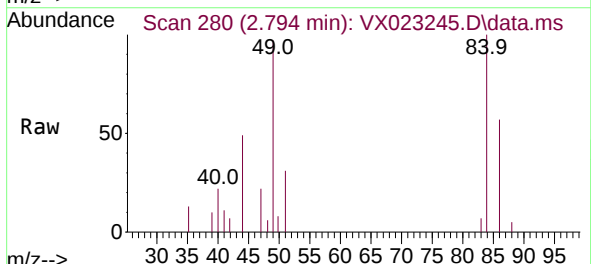
Instrument :
MSVOA_X
ClientSampled :

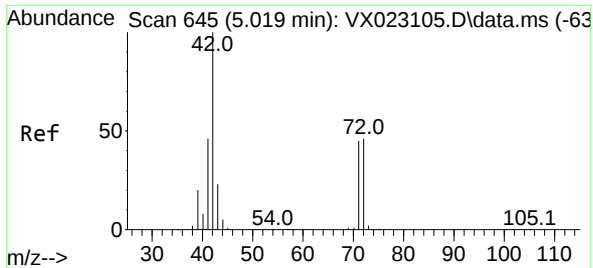
Tgt Ion: 76 Resp: 1241
Ion Ratio Lower Upper
76 100
78 11.6 7.2 10.8#



#20
Methylene Chloride
Concen: 0.687 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 84 Resp: 1821
Ion Ratio Lower Upper
84 100
49 97.3 88.6 132.8
51 31.4 27.0 40.6
86 57.0 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.025 min Scan# 646

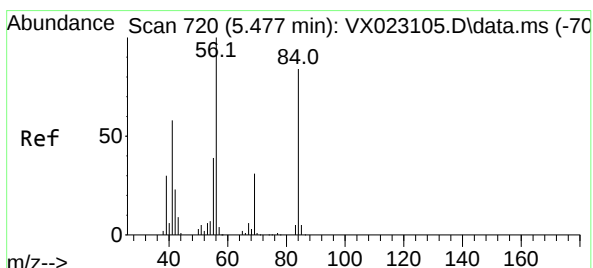
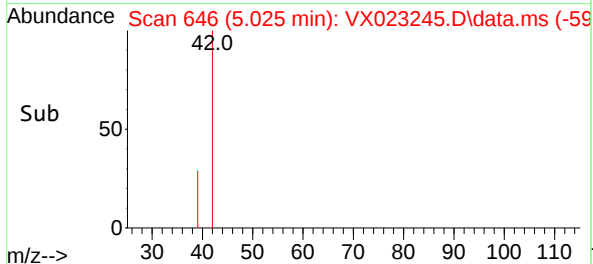
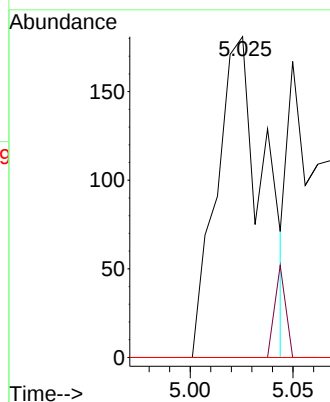
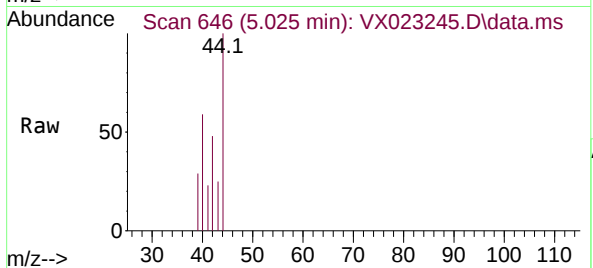
Delta R.T. 0.006 min

Lab File: VX023245.D

Acq: 12 Jul 2021 16:35

Tgt Ion:	42	Resp:	288
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.256 ug/l

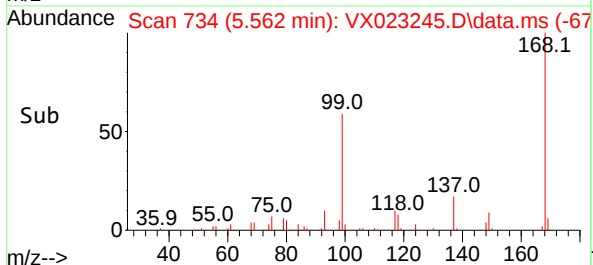
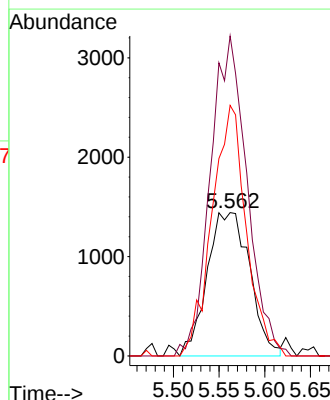
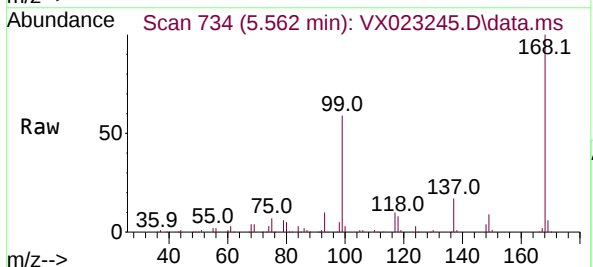
RT: 5.562 min Scan# 734

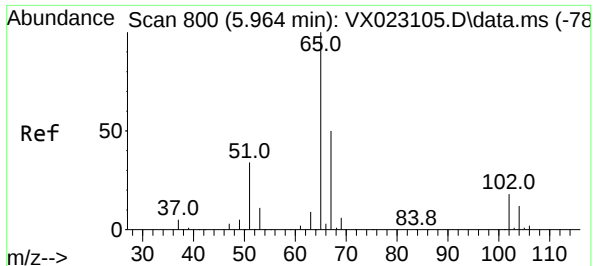
Delta R.T. 0.085 min

Lab File: VX023245.D

Acq: 12 Jul 2021 16:35

Tgt Ion:	56	Resp:	4676
Ion	Ratio	Lower	Upper
56	100		
69	218.1	25.3	37.9#
84	174.8	71.4	107.0#



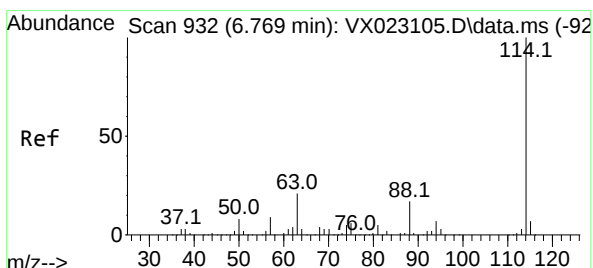
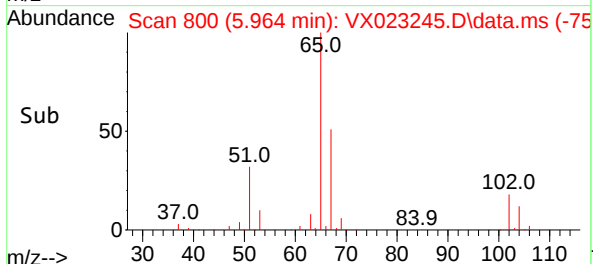
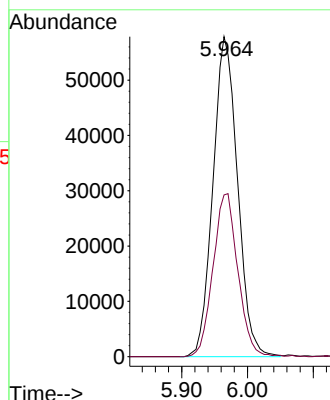
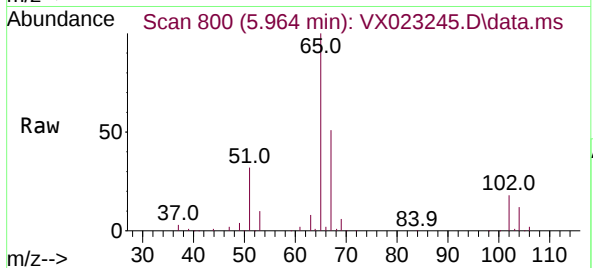


#33

1,2-Dichloroethane-d4
Concen: 48.348 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Instrument :
MSVOA_X
ClientSampled :

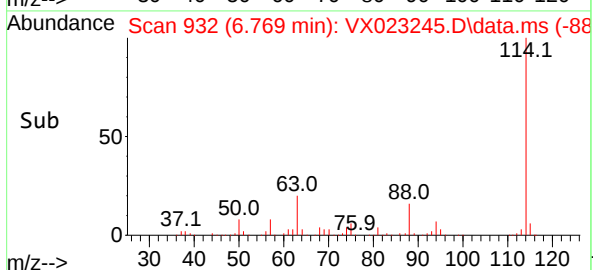
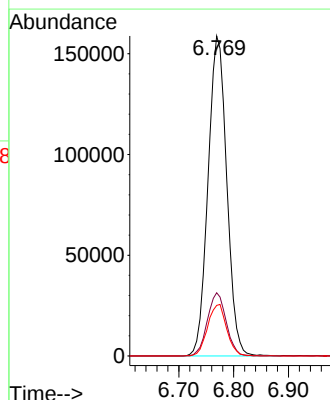
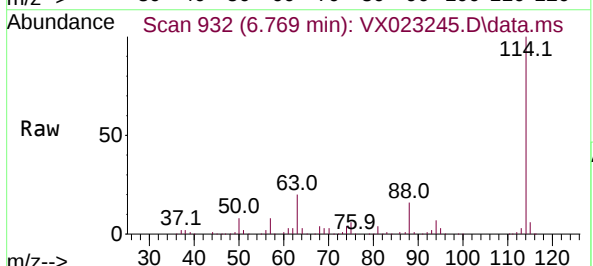
Tgt Ion: 65 Resp: 150385
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

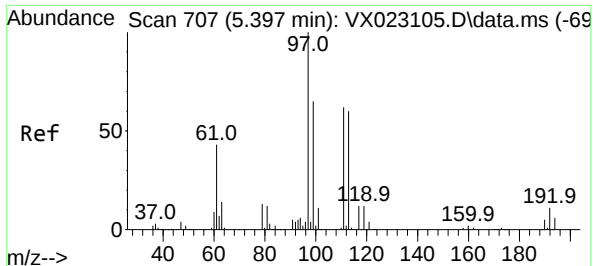


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 114 Resp: 375941
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.918 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023245.D

Acq: 12 Jul 2021 16:35

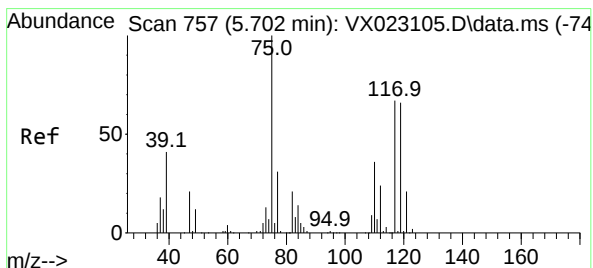
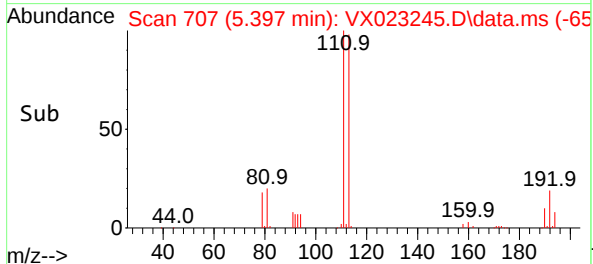
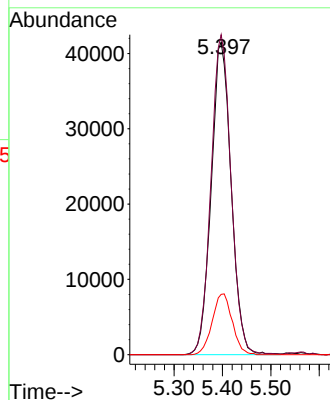
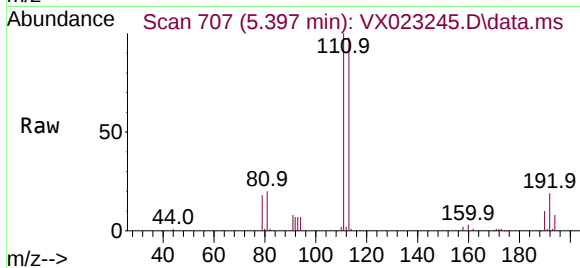
Tgt Ion:113 Resp: 118757

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023245.D

Acq: 12 Jul 2021 16:35

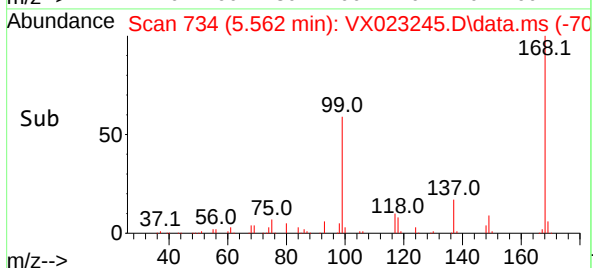
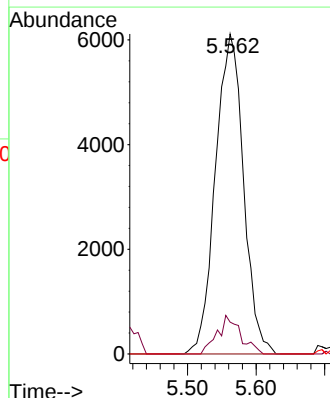
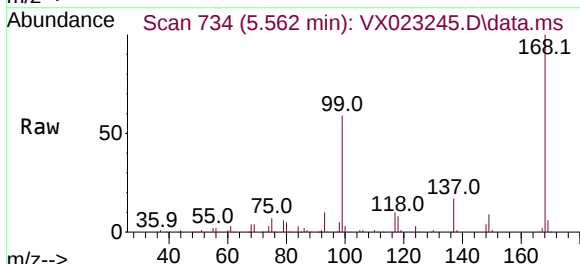
Tgt Ion: 75 Resp: 17377

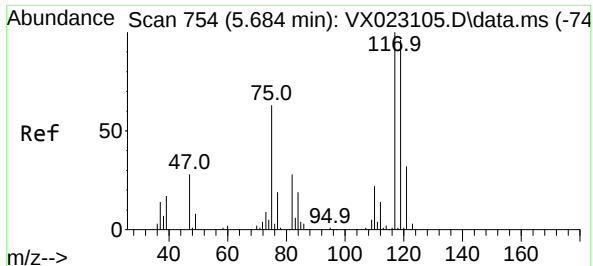
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

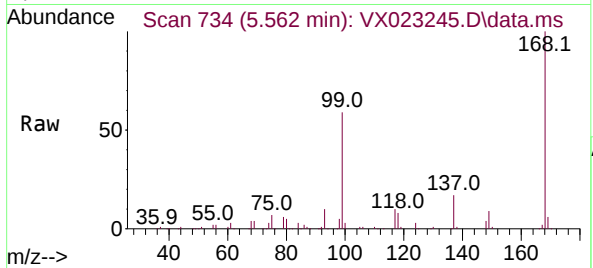
77 0.0 25.3 37.9#



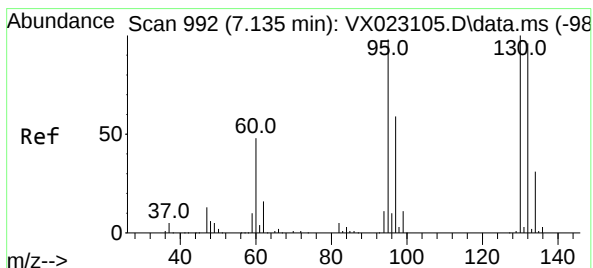
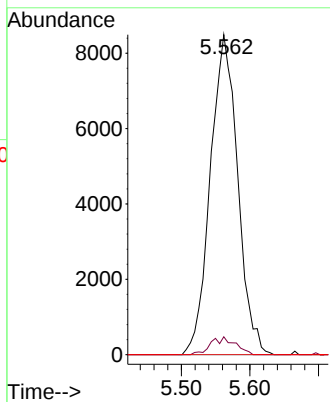
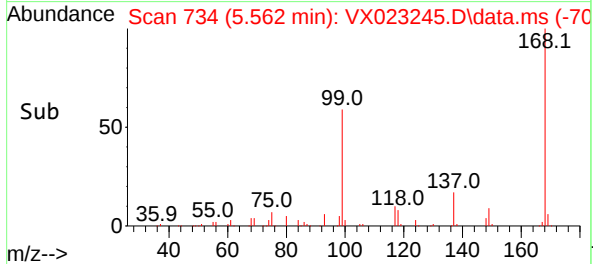


#38
Carbon Tetrachloride
Concen: 6.734 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

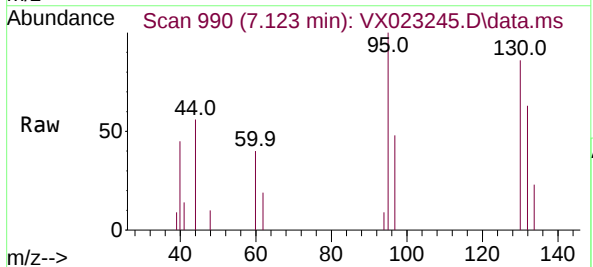
Instrument :
MSVOA_X
ClientSampled :



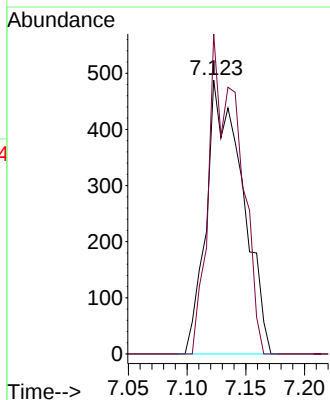
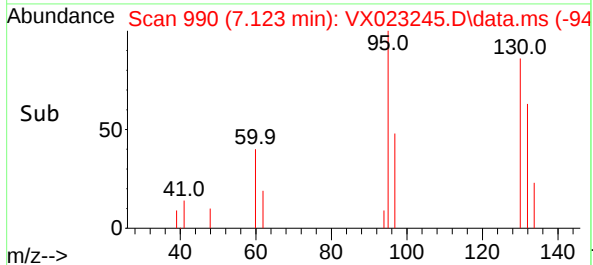
Tgt Ion:117 Resp: 23556
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

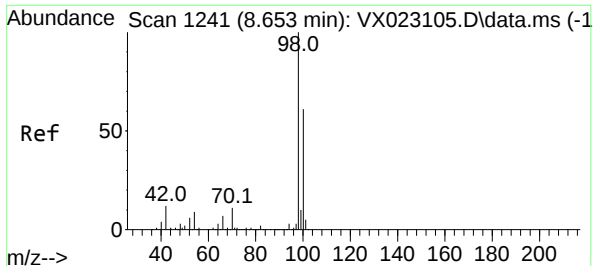


#44
Trichloroethene
Concen: 0.376 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.012 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35



Tgt Ion:130 Resp: 1038
Ion Ratio Lower Upper
130 100
95 116.8 0.0 198.0





#50

Toluene-d8

Concen: 47.965 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023245.D

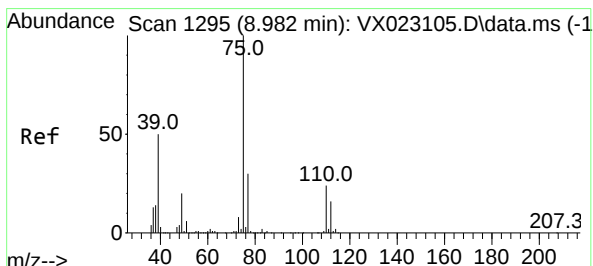
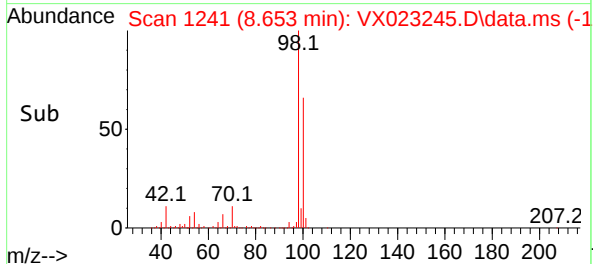
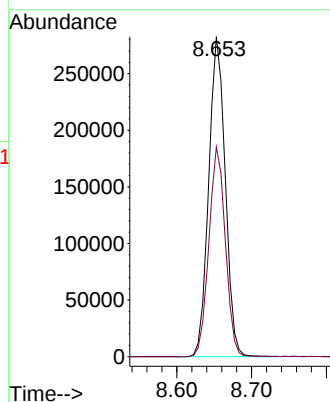
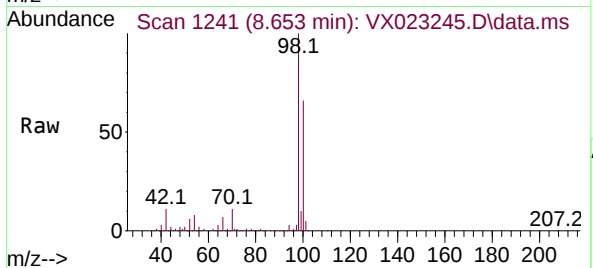
Acq: 12 Jul 2021 16:35

Tgt Ion: 98 Resp: 434358

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#53

t-1,3-Dichloropropene

Concen: 2.780 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX023245.D

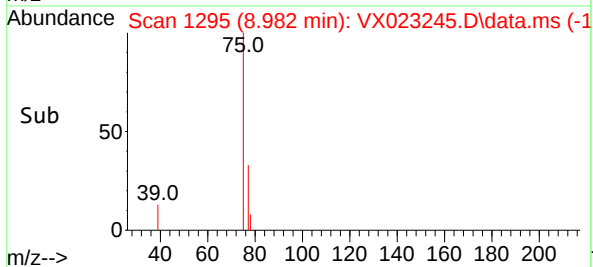
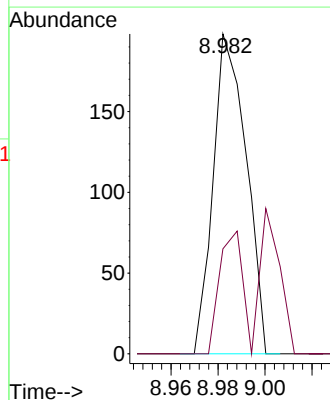
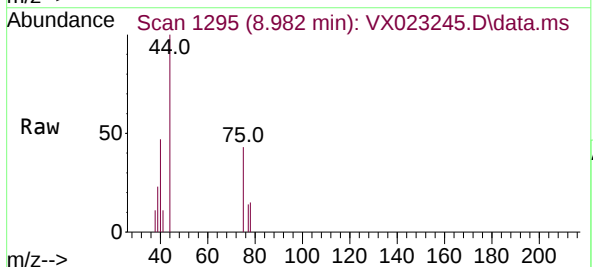
Acq: 12 Jul 2021 16:35

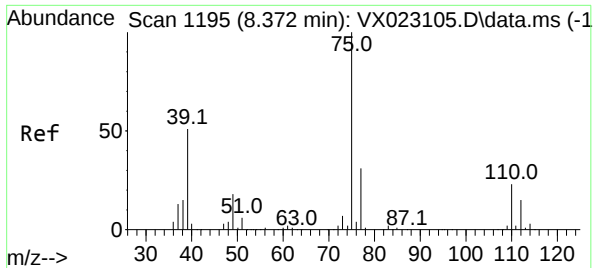
Tgt Ion: 75 Resp: 193

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3

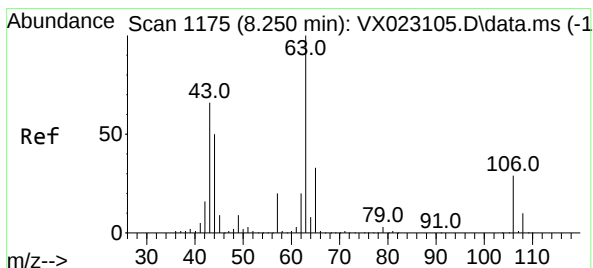
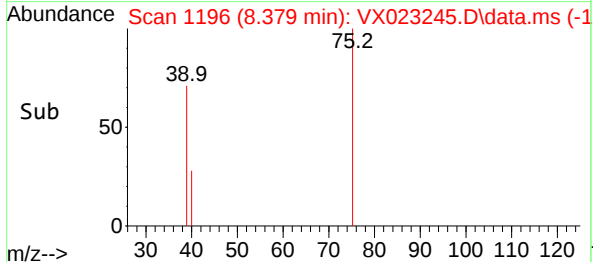
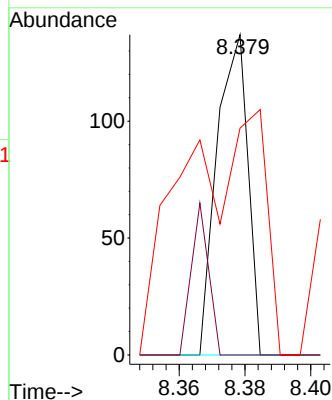
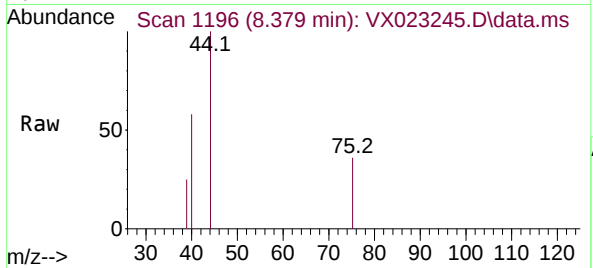




#54
 cis-1,3-Dichloropropene
 Concen: 2.192 ug/l
 RT: 8.379 min Scan# 1196
 Delta R.T. 0.007 min
 Lab File: VX023245.D
 Acq: 12 Jul 2021 16:35

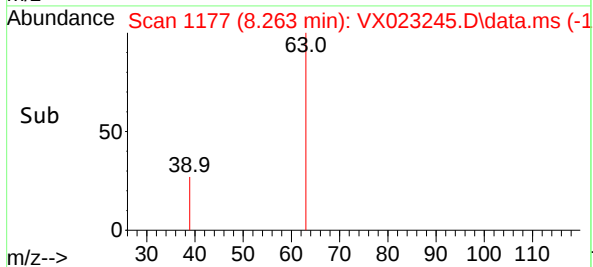
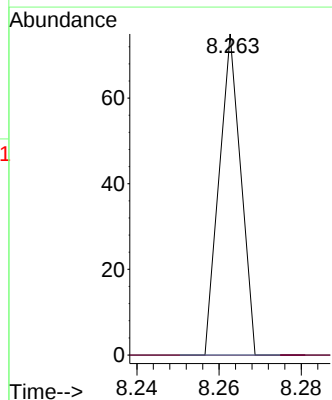
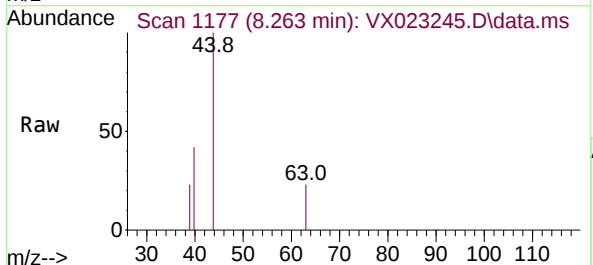
Instrument :
 MSVOA_X
 ClientSampled :

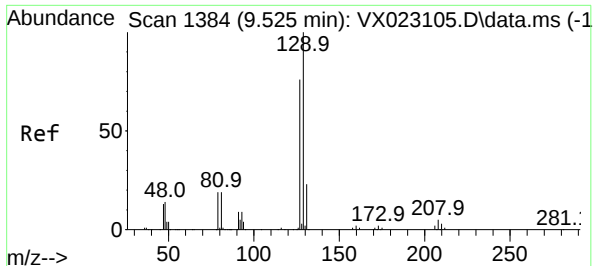
Tgt Ion: 75 Resp: 89
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 70.8 35.1 52.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.702 ug/l
 RT: 8.263 min Scan# 1177
 Delta R.T. 0.013 min
 Lab File: VX023245.D
 Acq: 12 Jul 2021 16:35

Tgt Ion: 63 Resp: 27
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#

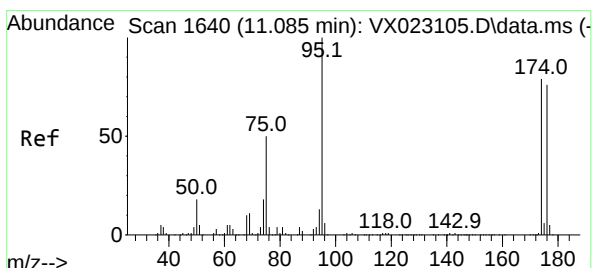
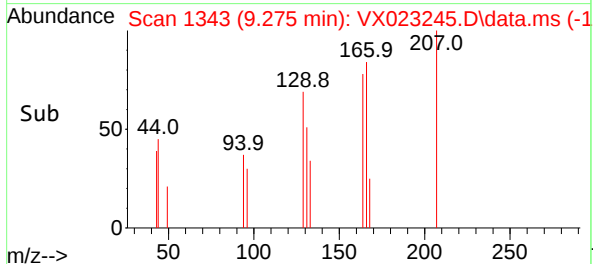
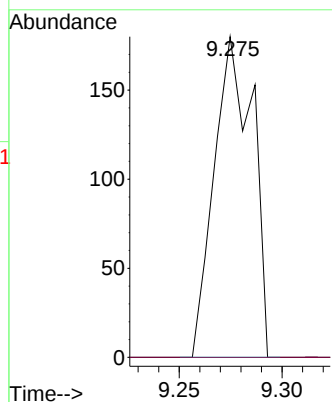
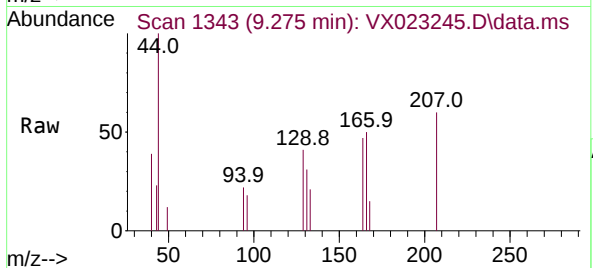




#60
Dibromochloromethane
Concen: 3.187 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

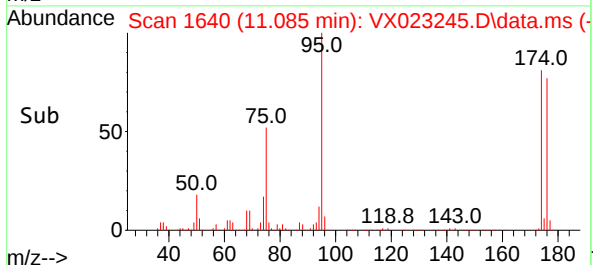
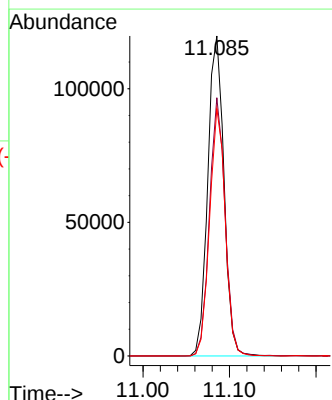
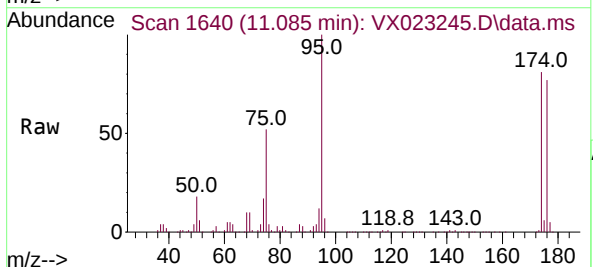
Instrument :
MSVOA_X
ClientSampled :

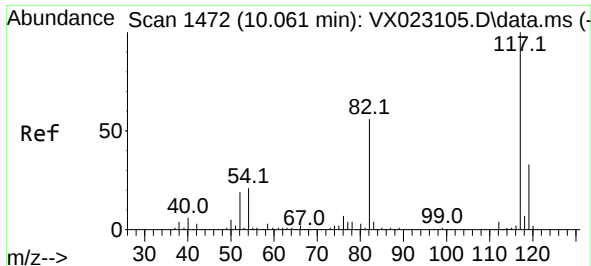
Tgt Ion:129 Resp: 234
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.411 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion: 95 Resp: 155263
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 74.7 0.0 155.8

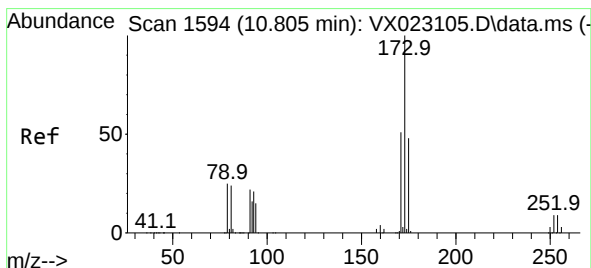
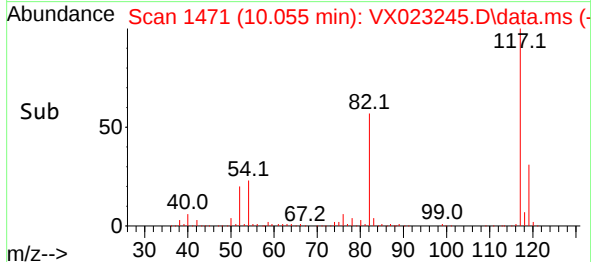
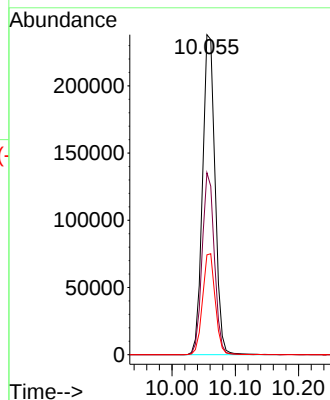
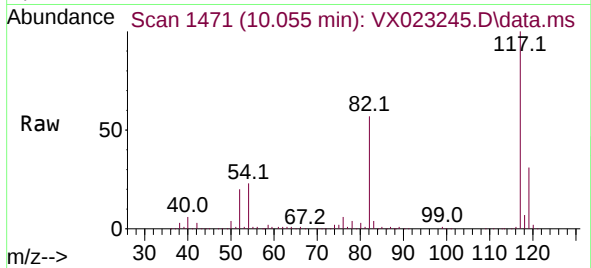




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

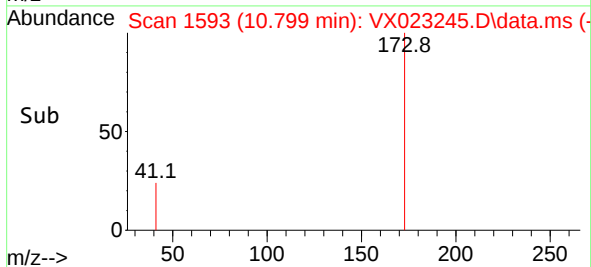
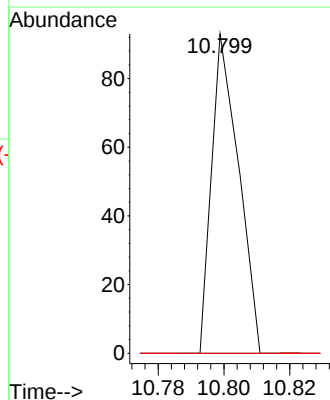
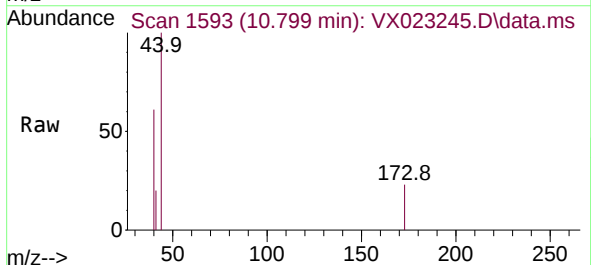
Instrument :
MSVOA_X
ClientSampleId :

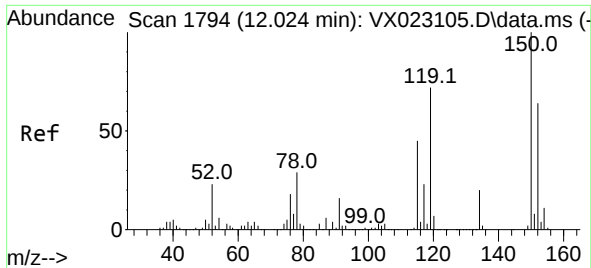
Tgt Ion:117 Resp: 328482
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 31.2 26.6 39.8



#71
Bromoform
Concen: 4.081 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.006 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion:173 Resp: 53
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#

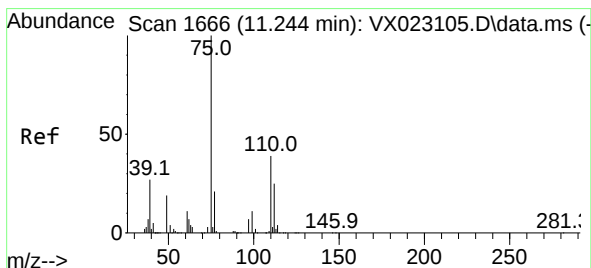
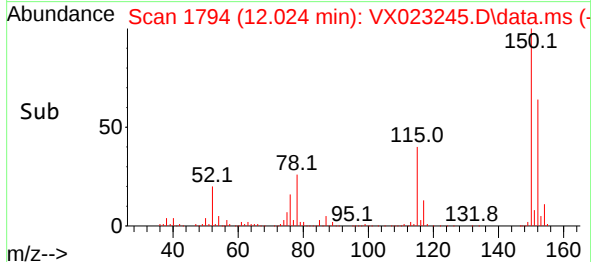
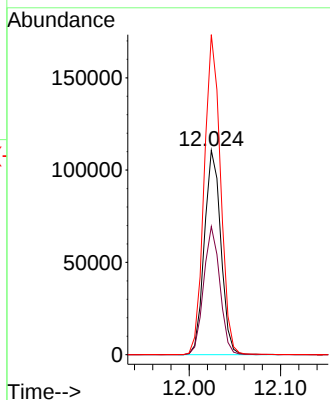
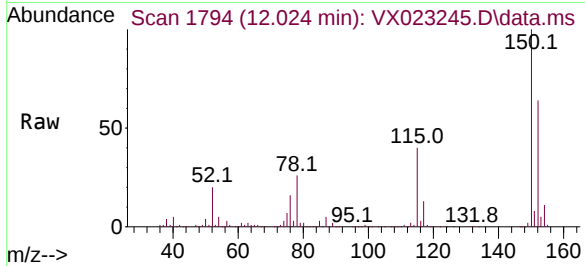




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023245.D
 Acq: 12 Jul 2021 16:35

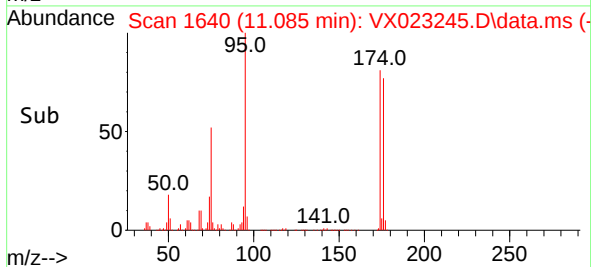
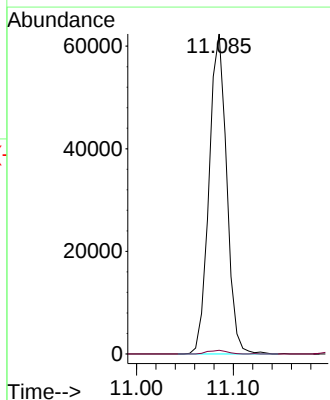
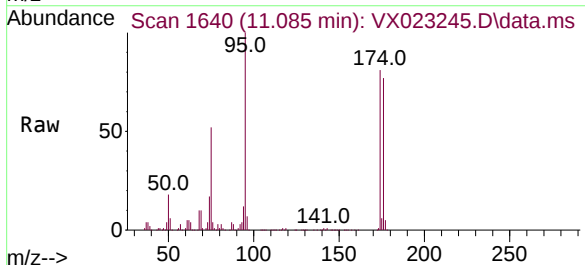
Instrument :
 MSVOA_X
 ClientSampleId :

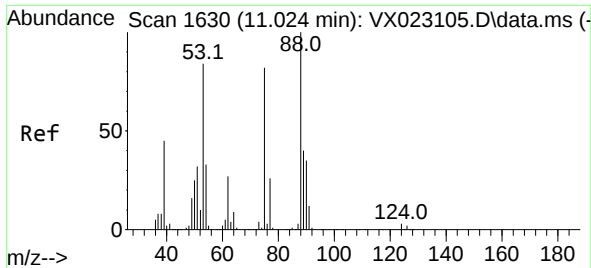
Tgt Ion:152 Resp: 138177
 Ion Ratio Lower Upper
 152 100
 115 61.6 41.1 123.3
 150 155.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.448 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023245.D
 Acq: 12 Jul 2021 16:35

Tgt Ion: 75 Resp: 79102
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

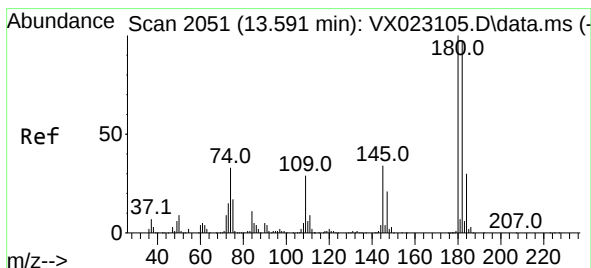
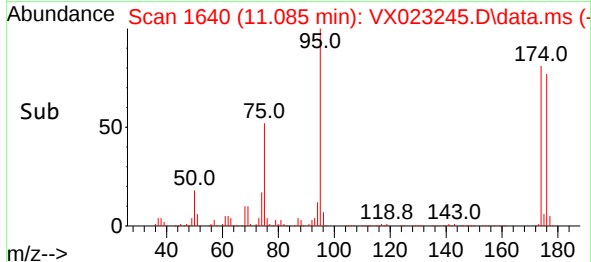
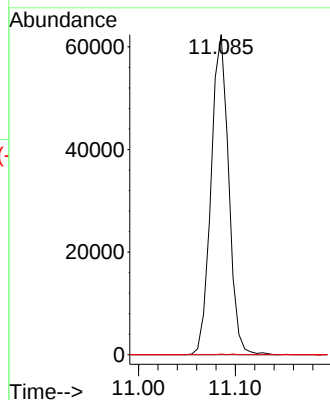
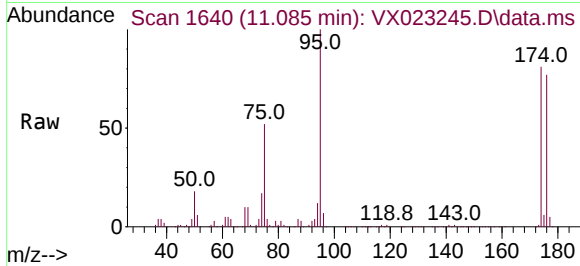




#81
trans-1,4-Dichloro-2-butene
Concen: 76.630 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

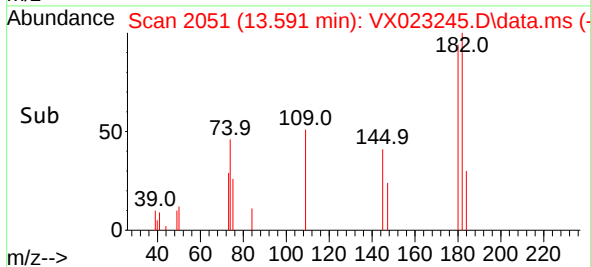
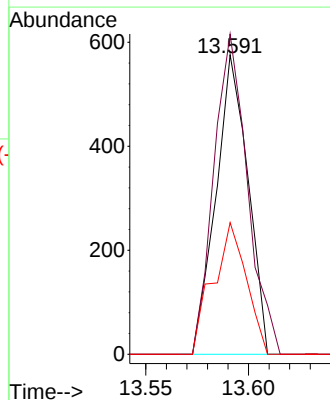
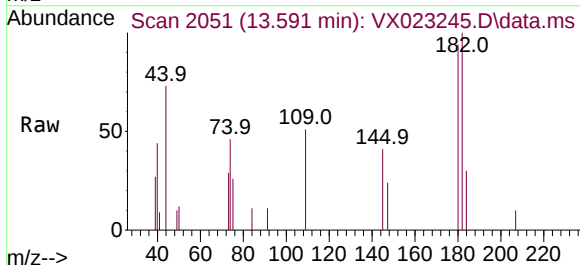
Instrument :
MSVOA_X
ClientSampleId :

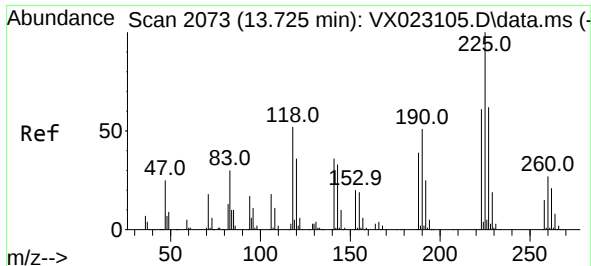
Tgt Ion: 75 Resp: 79102
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion:180 Resp: 622
Ion Ratio Lower Upper
180 100
182 112.5 47.7 143.1
145 46.0 15.0 45.0#

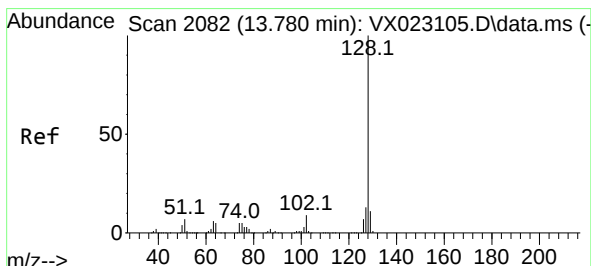
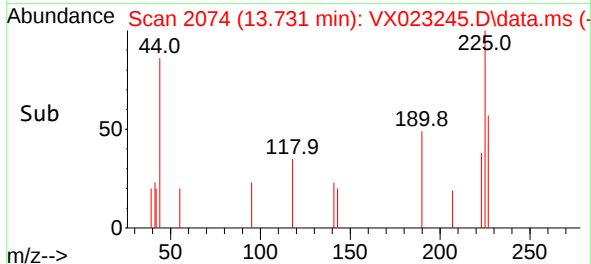
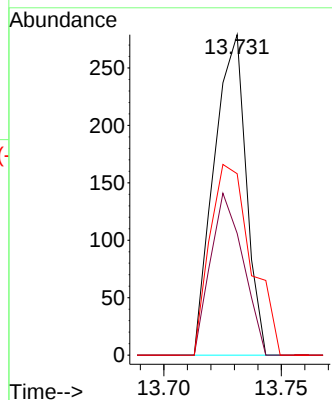
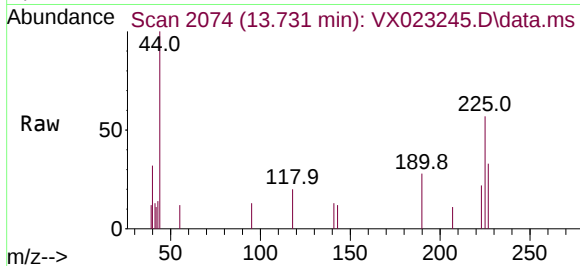




#94
Hexachlorobutadiene
Concen: 0.223 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

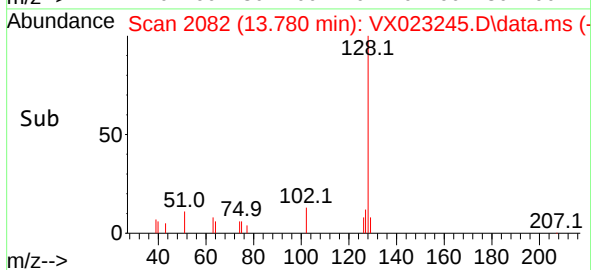
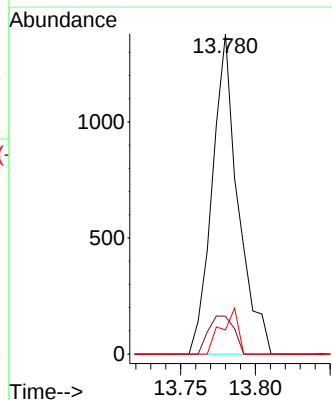
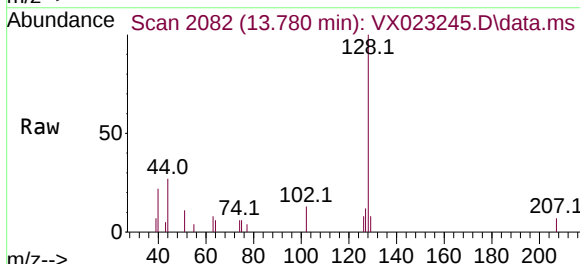
Instrument :
MSVOA_X
ClientSampled :

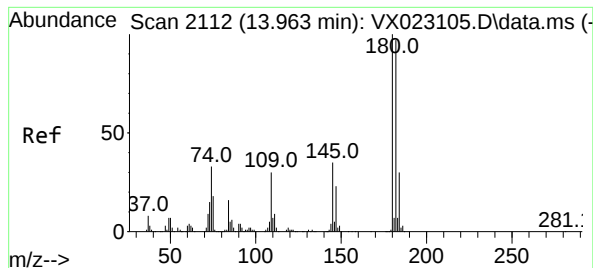
Tgt Ion:225 Resp: 264
Ion Ratio Lower Upper
225 100
223 51.5 31.1 93.2
227 76.9 31.6 95.0



#95
Naphthalene
Concen: 1.432 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023245.D
Acq: 12 Jul 2021 16:35

Tgt Ion:128 Resp: 1655
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 9.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX023245.D
 Acq: 12 Jul 2021 16:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180	Resp:	575
Ion	Ratio	Lower Upper
180	100	
182	135.5	47.6 142.9
145	41.6	16.1 48.3

