

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082721\
 Data File : VX023996.D
 Acq On : 27 Aug 2021 16:43
 Operator : JC/MD
 Sample : M3561-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VE2-1

Quant Time: Aug 28 04:58:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

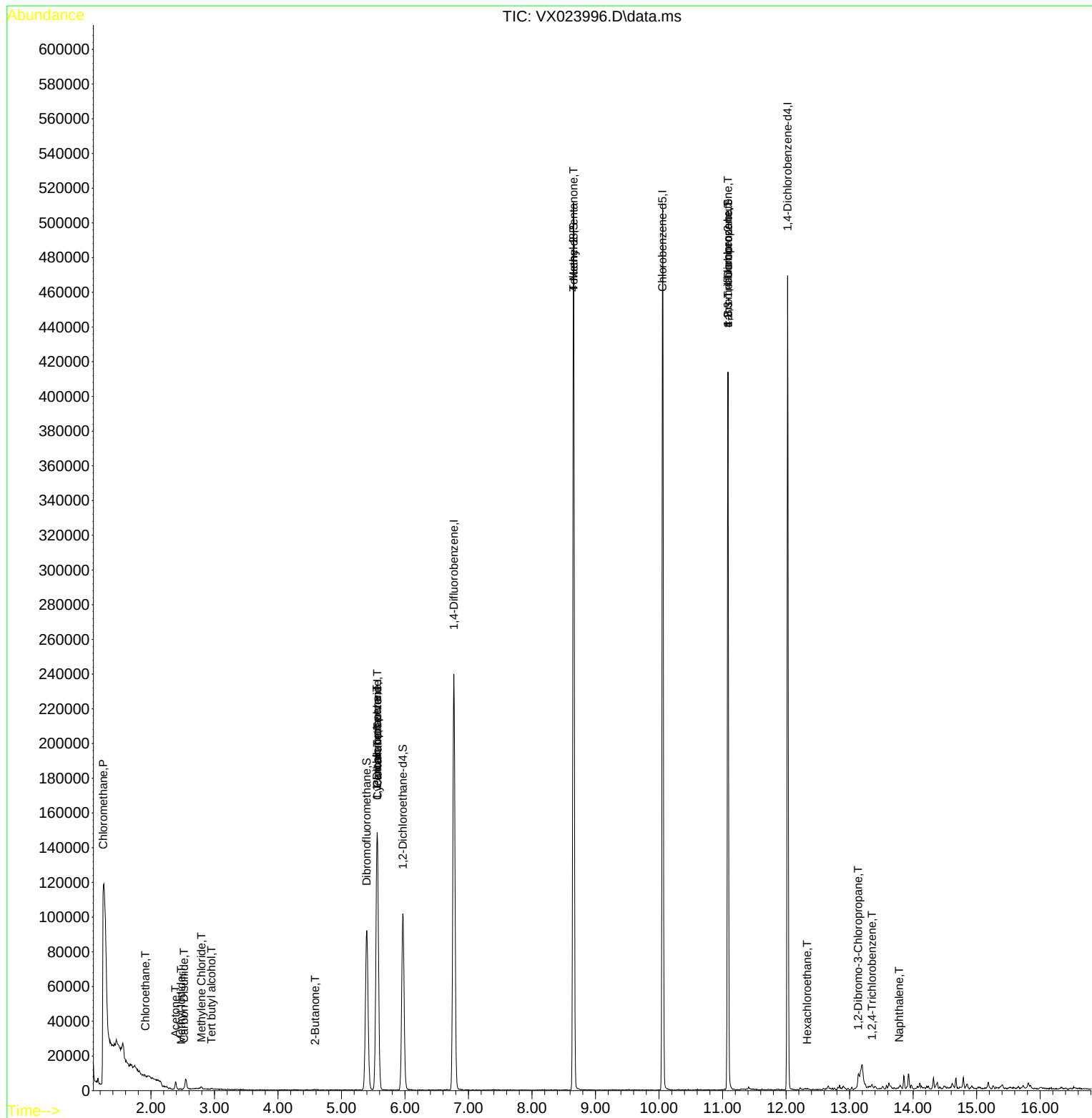
Internal Standards						
1) Pentafluorobenzene	5.562	168	138116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236700	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101982	52.904	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.800%	
35) Dibromofluoromethane	5.397	113	79036	50.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.900%	
50) Toluene-d8	8.653	98	291165	48.830	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	11.085	95	101169	46.089	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.245	50	7945	4.967	ug/l #	42
6) Chloroethane	1.910	64	709	2.737	ug/l #	43
10) Methyl Iodide	2.477	142	497	0.257	ug/l #	91
11) Tert butyl alcohol	2.952	59	124	0.318	ug/l #	73
16) Acetone	2.385	43	4345	5.041	ug/l	98
17) Carbon Disulfide	2.520	76	1290	0.408	ug/l #	75
20) Methylene Chloride	2.794	84	330	0.200	ug/l #	85
25) 2-Butanone	4.586	43	450	0.345	ug/l #	45
31) Cyclohexane	5.568	56	3267	1.319	ug/l #	49
36) 1,1-Dichloropropene	5.556	75	11245	5.130	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14314	6.262	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1492	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	56040	25.960	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56040	76.362	ug/l #	12
90) Hexachloroethane	12.329	117	19	1.484	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	13.133	75	86	2.313	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.353	180	456	0.249	ug/l #	12
95) Naphthalene	13.780	128	285	1.323	ug/l #	69

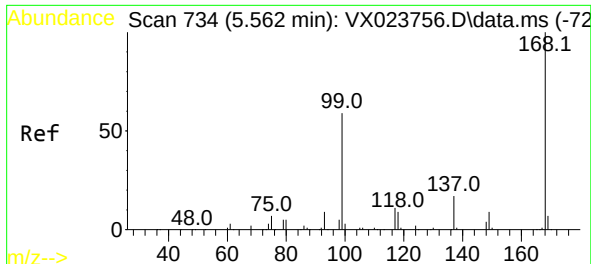
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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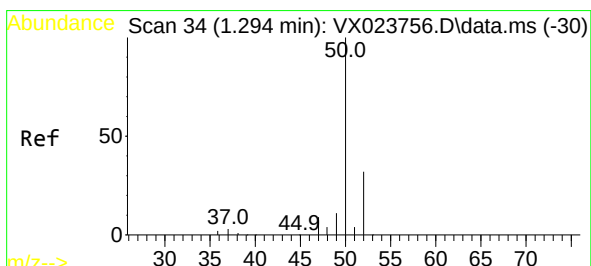
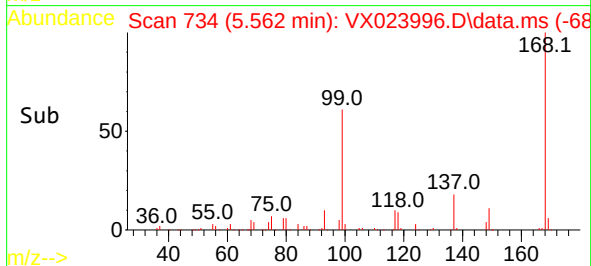
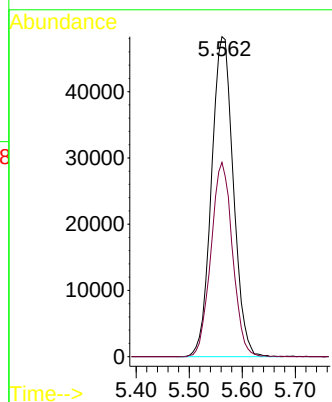
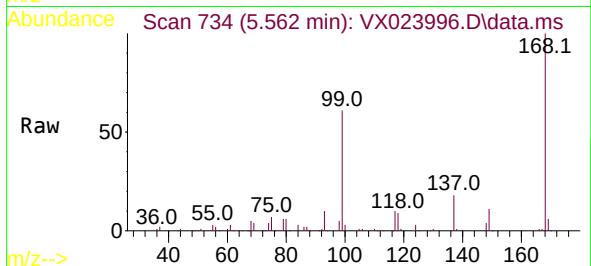




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

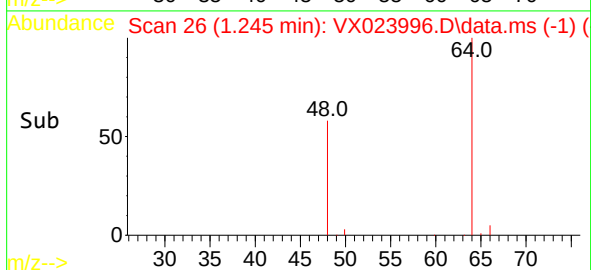
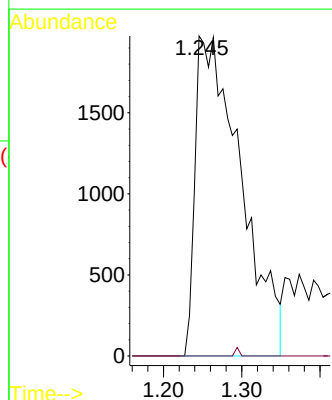
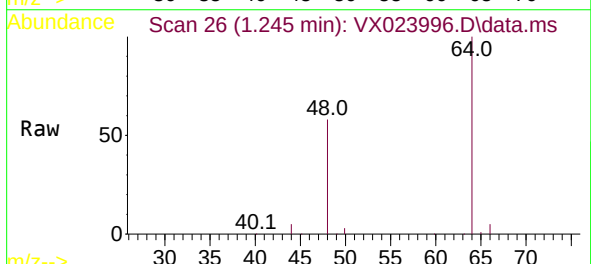
Instrument :
MSVOA_X
ClientSampled :
VE2-1

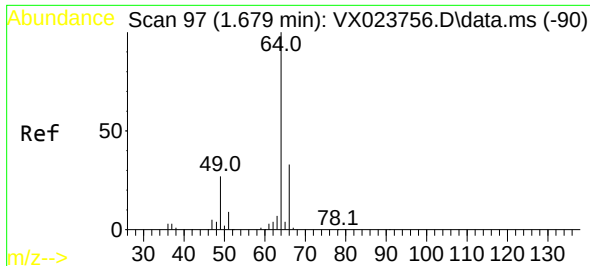
Tgt Ion:168 Resp: 138116
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.6



#3
Chloromethane
Concen: 4.967 ug/l
RT: 1.245 min Scan# 26
Delta R.T. -0.049 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 50 Resp: 7945
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

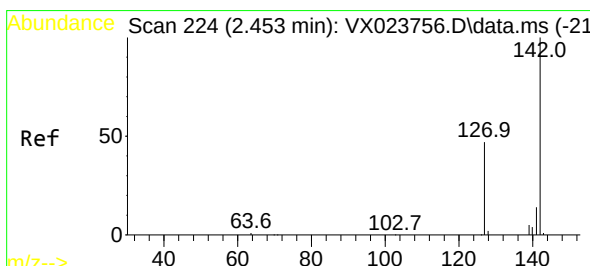
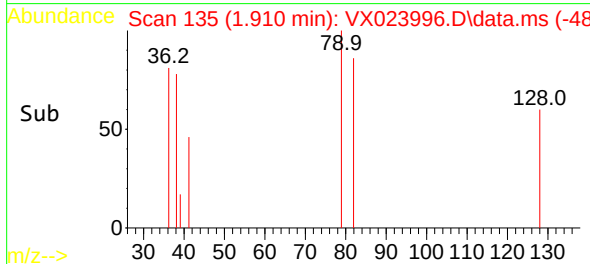
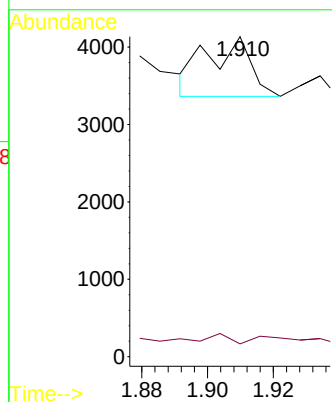
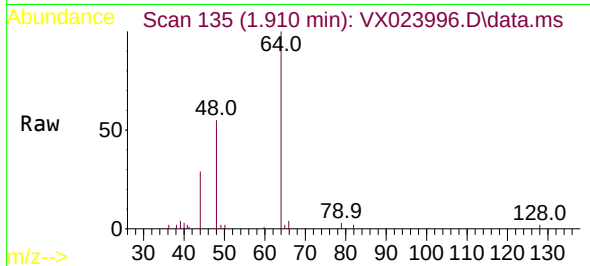




#6
Chloroethane
Concen: 2.737 ug/l
RT: 1.910 min Scan# 135
Delta R.T. 0.231 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

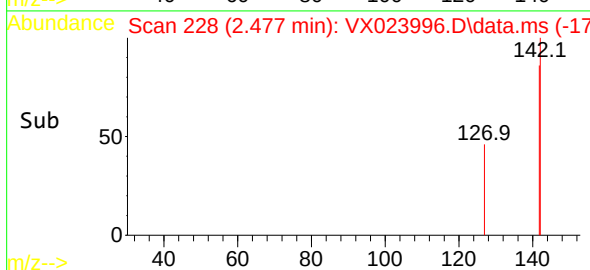
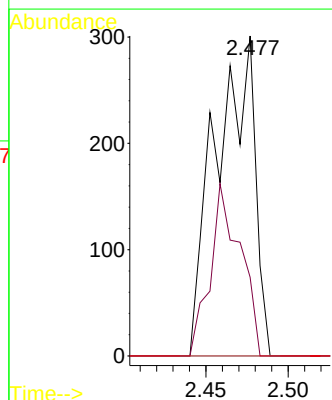
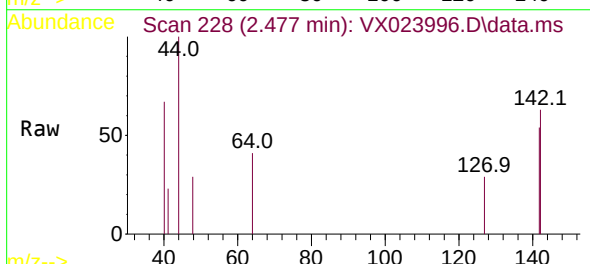
Instrument :
MSVOA_X
ClientSampled :
VE2-1

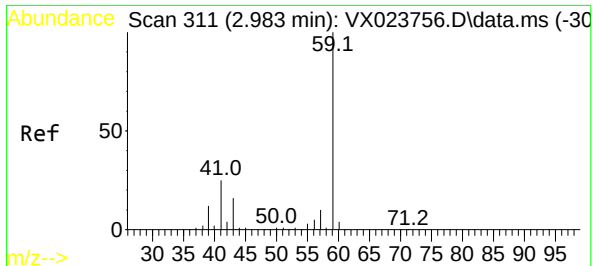
Tgt Ion: 64 Resp: 709
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 142 Resp: 497
Ion Ratio Lower Upper
142 100
127 41.4 33.3 49.9
141 0.0 11.4 17.0#



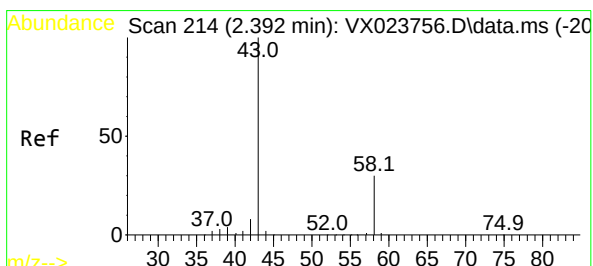
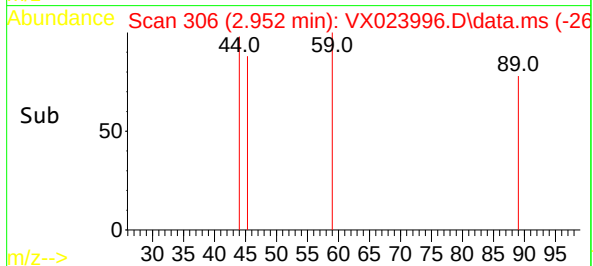
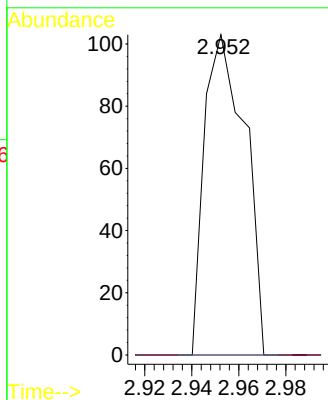
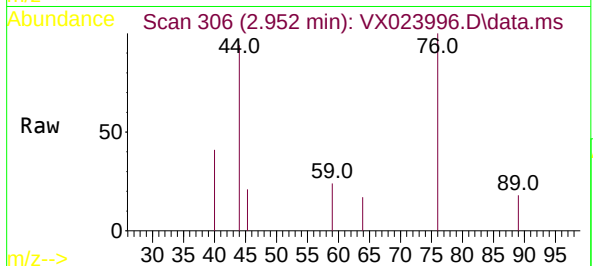


#11

Tert butyl alcohol
Concen: 0.318 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Instrument :
MSVOA_X
ClientSampled :
VE2-1

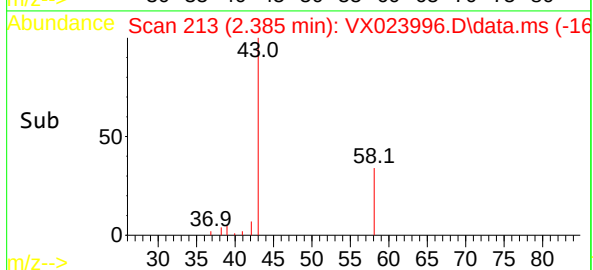
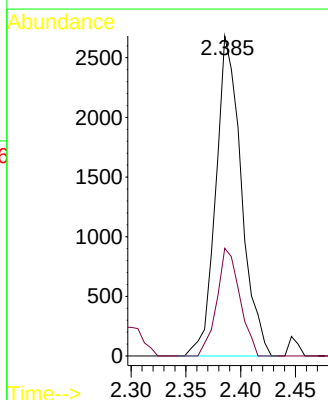
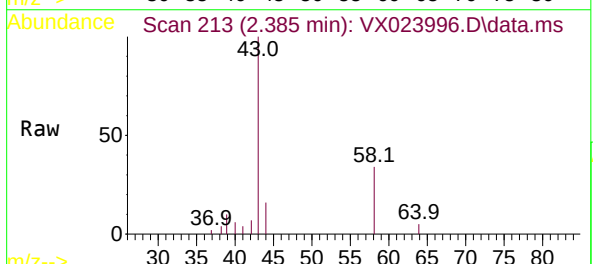
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

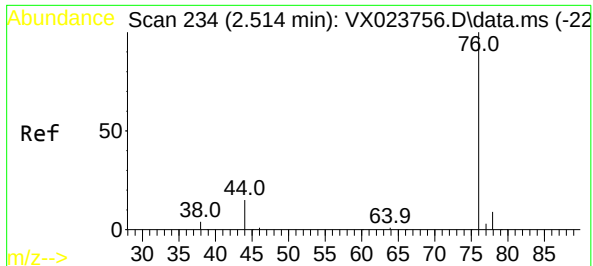


#16

Acetone
Concen: 5.041 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 43 Resp: 4345
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.8

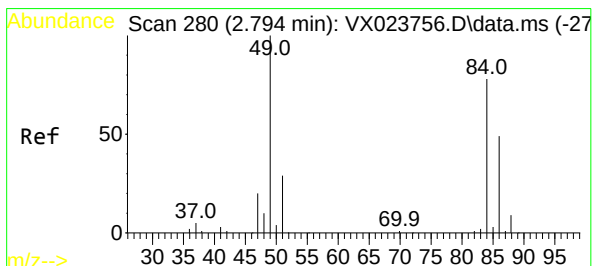
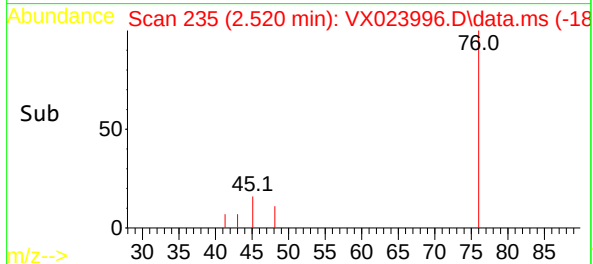
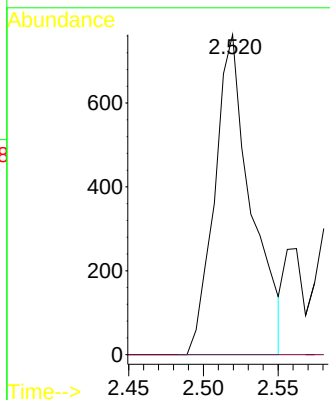
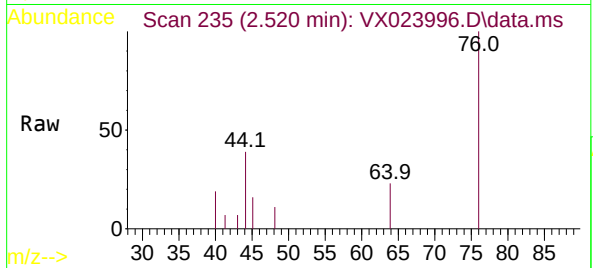




#17
Carbon Disulfide
Concen: 0.408 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

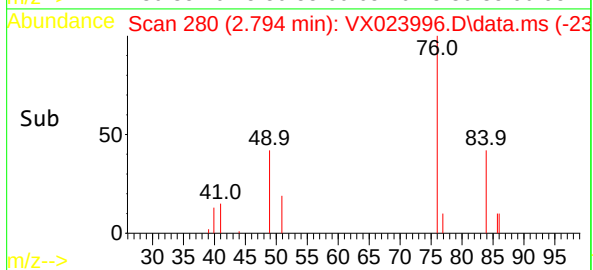
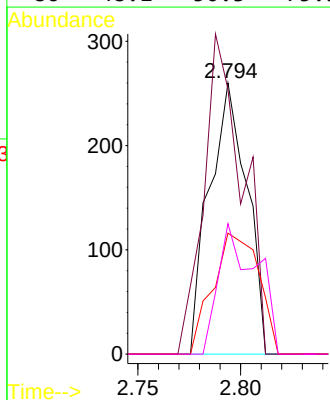
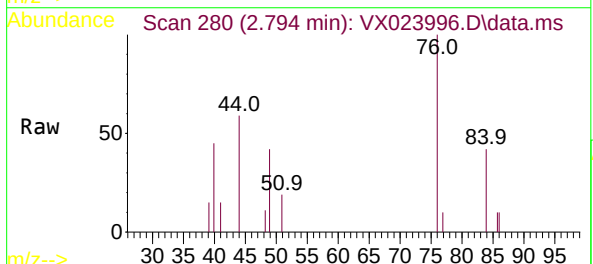
Instrument :
MSVOA_X
ClientSampled :
VE2-1

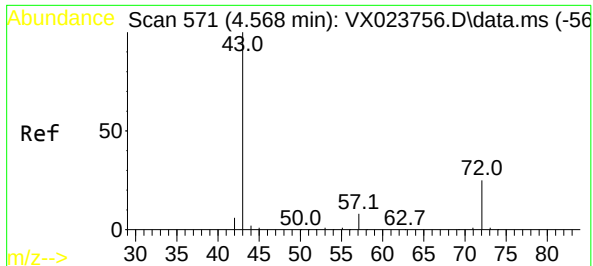
Tgt Ion: 76 Resp: 1290
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.200 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 84 Resp: 330
Ion Ratio Lower Upper
84 100
49 97.7 88.6 132.8
51 44.6 27.0 40.6#
86 48.1 50.3 75.5#

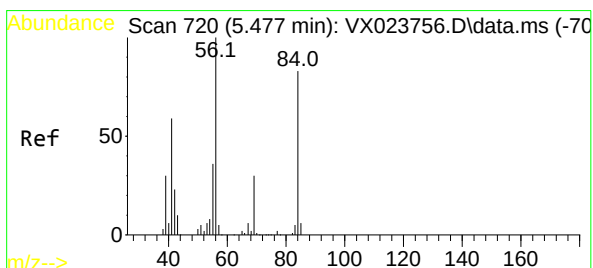
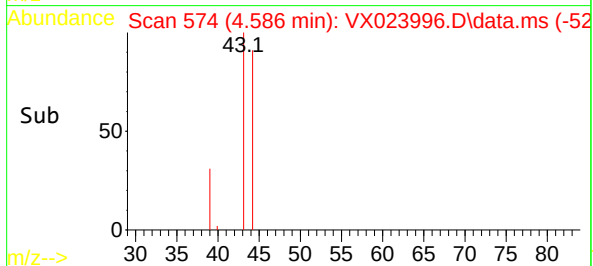
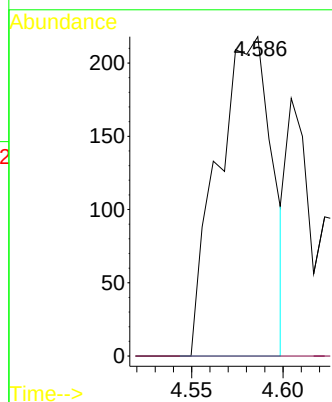
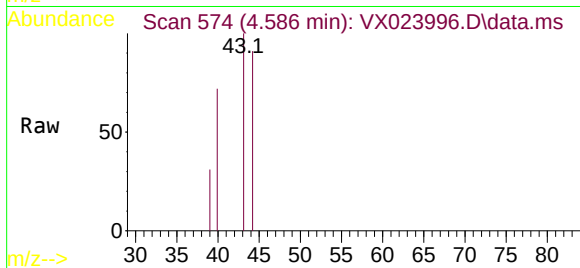




#25
2-Butanone
Concen: 0.345 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

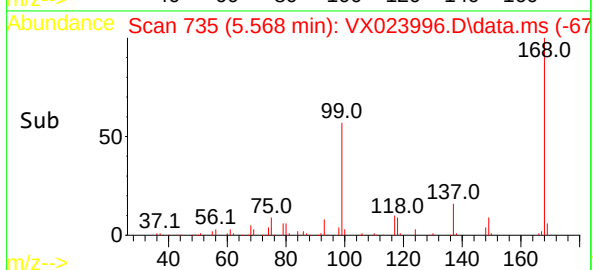
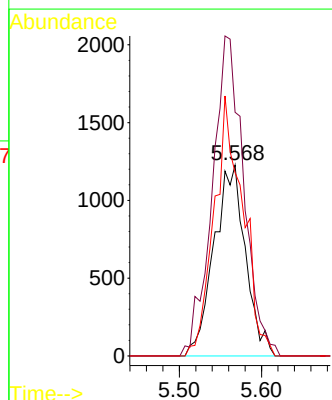
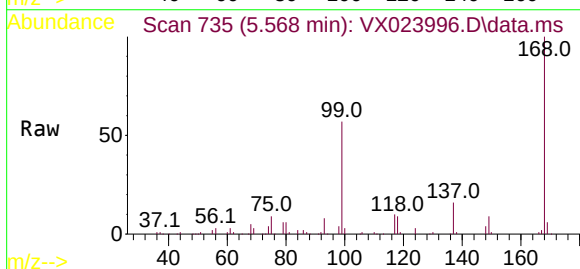
Instrument :
MSVOA_X
ClientSampled :
VE2-1

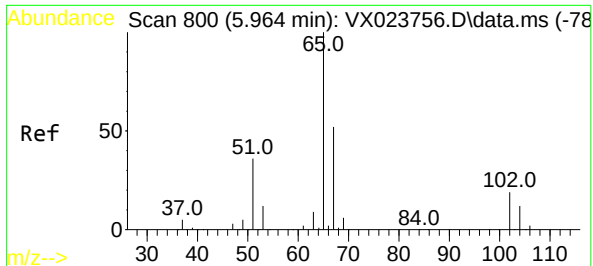
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 56 Resp: 3267
Ion Ratio Lower Upper
56 100
69 127.6 25.3 37.9#
84 96.1 71.4 107.0



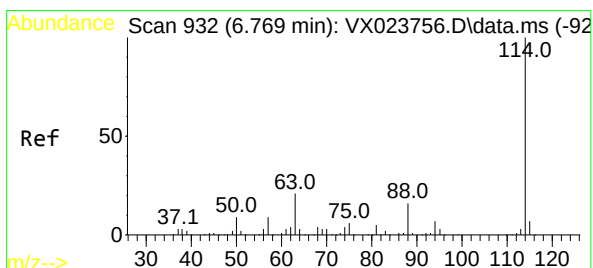
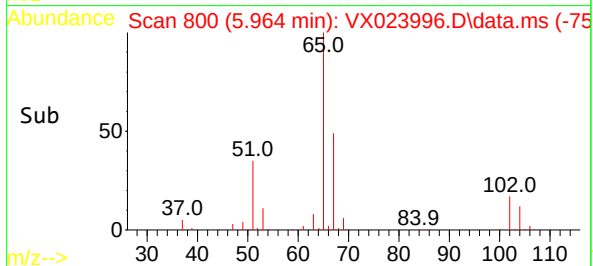
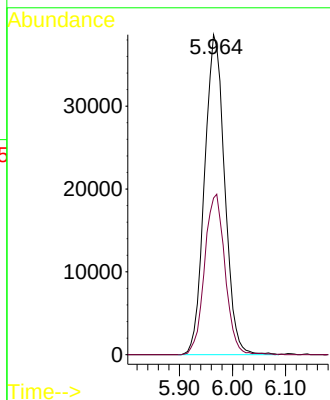
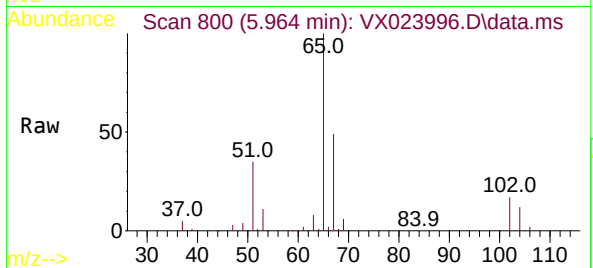


#33

1,2-Dichloroethane-d4
Concen: 52.904 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Instrument :
MSVOA_X
ClientSampled :
VE2-1

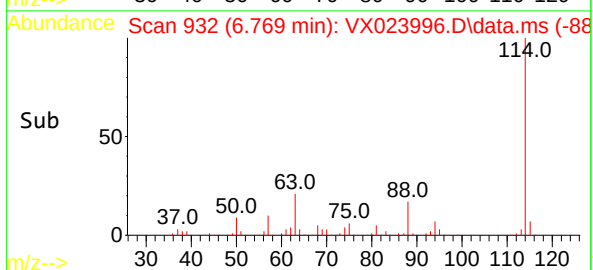
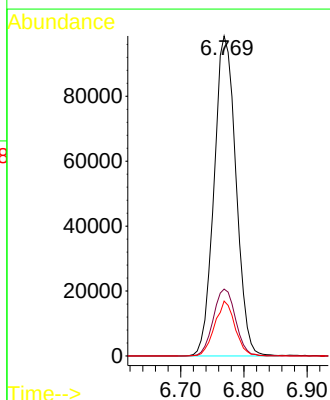
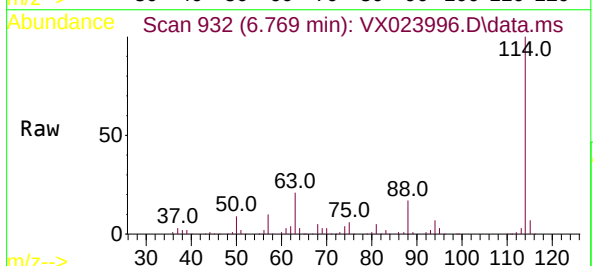
Tgt Ion: 65 Resp: 101982
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

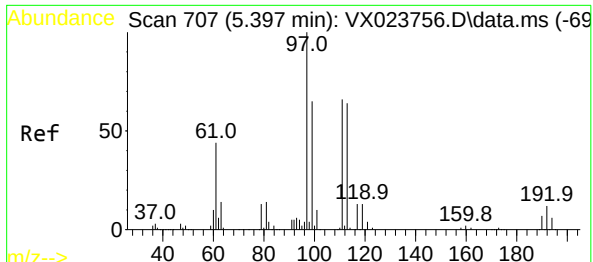


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 114 Resp: 236700
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 17.2 0.0 32.8

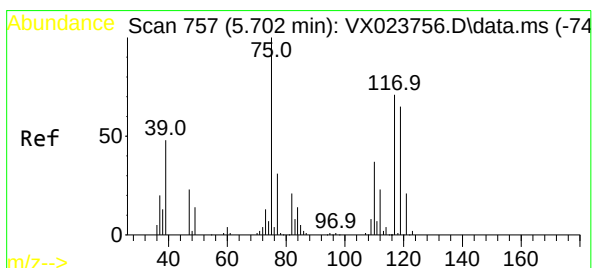
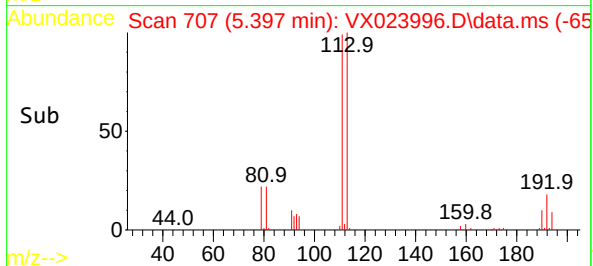
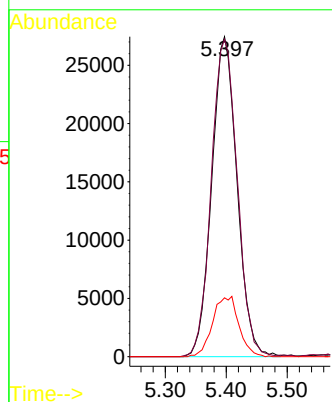
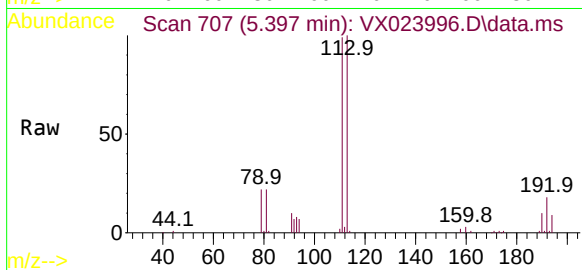




#35
Dibromofluoromethane
Concen: 50.449 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

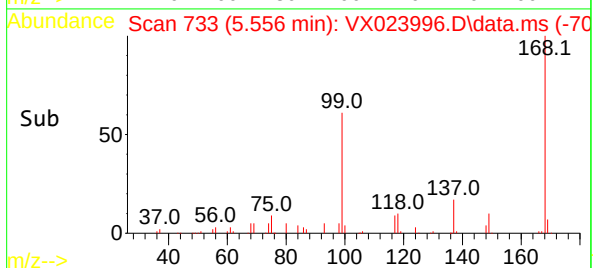
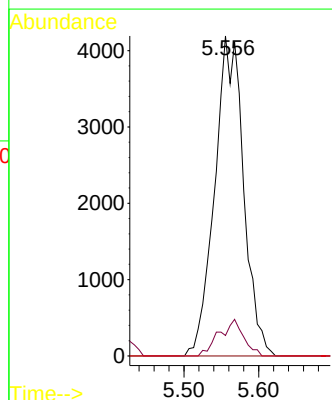
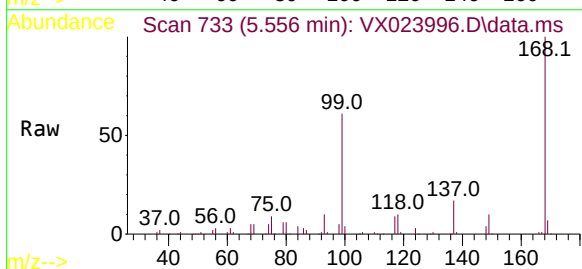
Instrument :
MSVOA_X
ClientSampled :
VE2-1

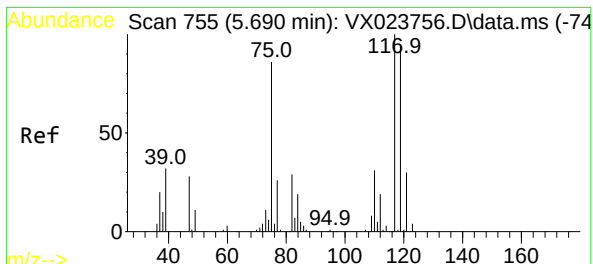
Tgt Ion:	113	Resp:	79036
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.9	122.9
192	19.5	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

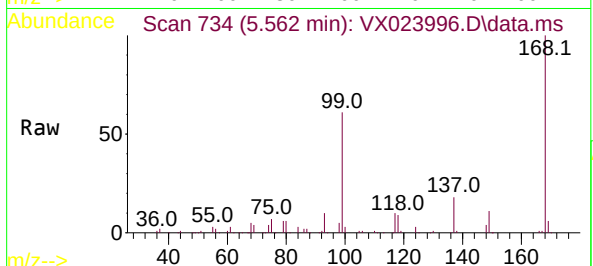
Tgt Ion:	75	Resp:	11245
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.4#
77	0.0	25.3	37.9#



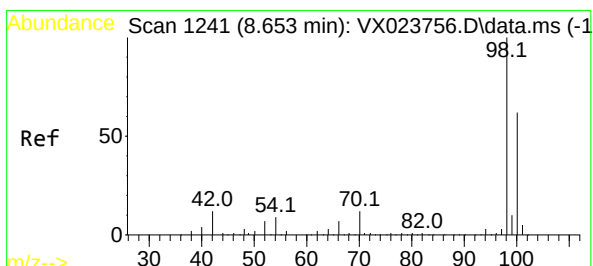
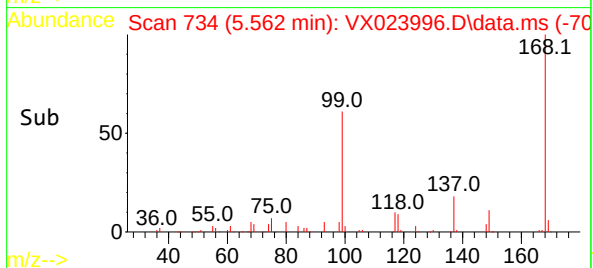
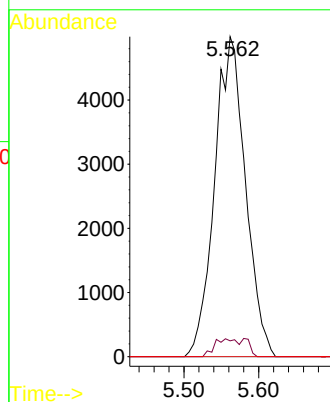


#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Instrument :
MSVOA_X
ClientSampled :
VE2-1

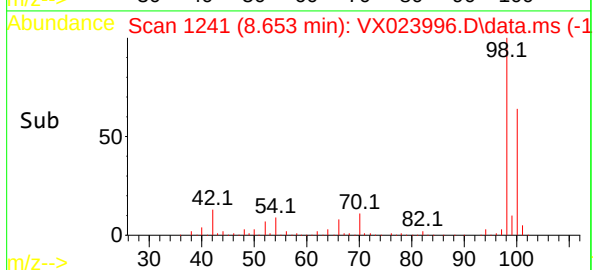
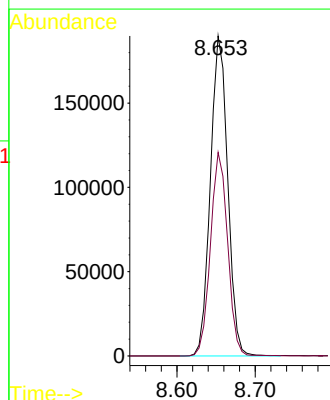
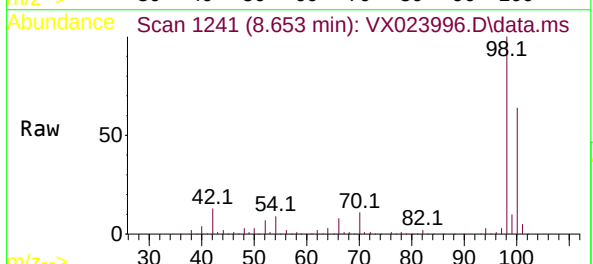


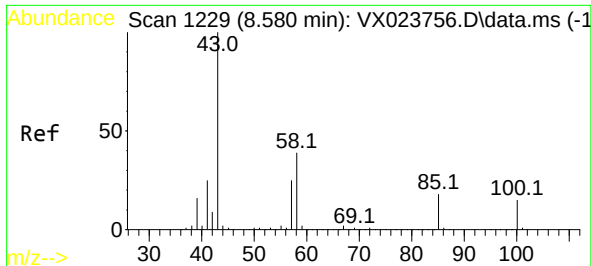
Tgt Ion:117 Resp: 14314
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.830 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 98 Resp: 291165
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

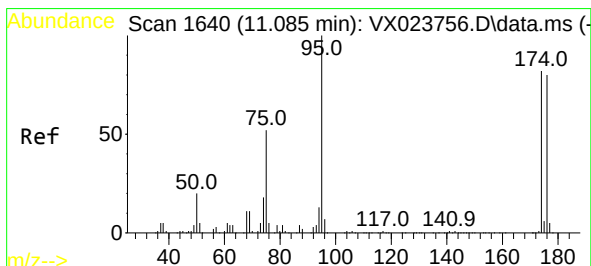
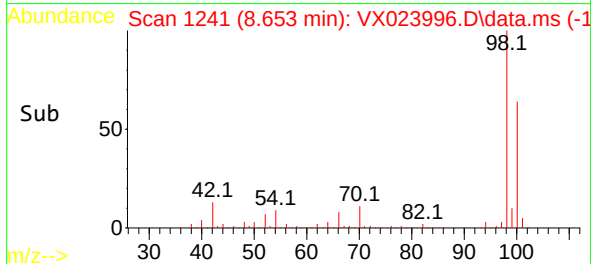
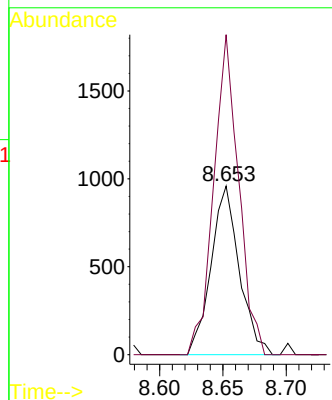
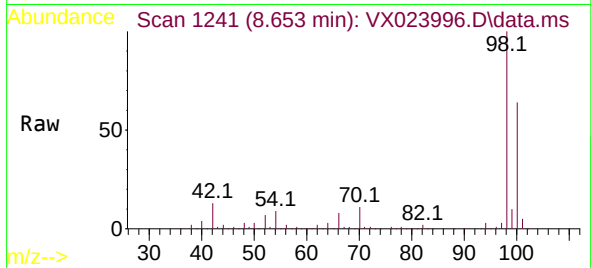




#51
4-Methyl-2-Pentanone
Concen: 0.548 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

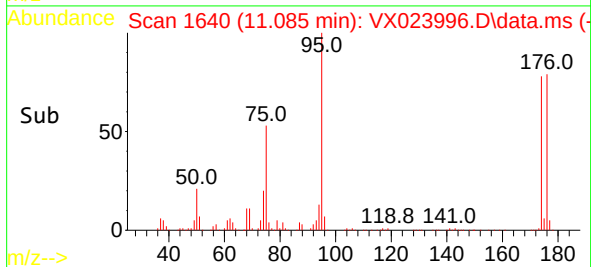
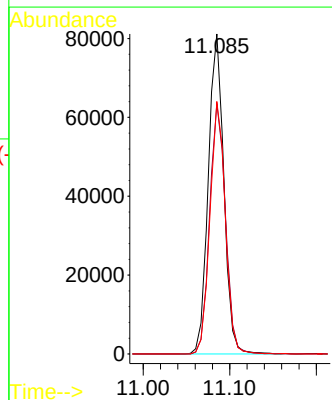
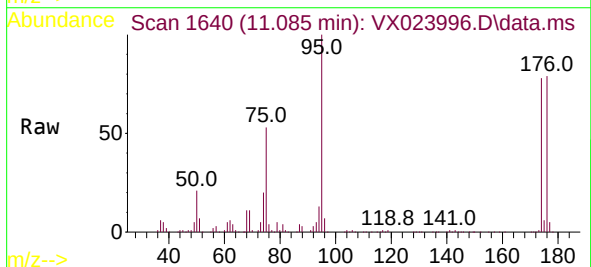
Instrument :
MSVOA_X
ClientSampled :
VE2-1

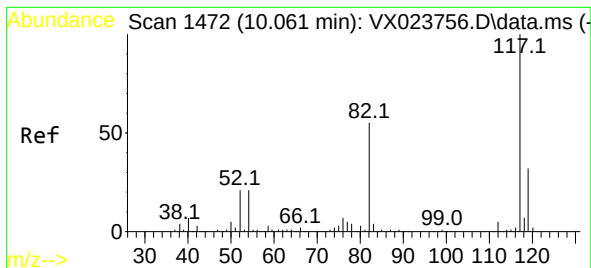
Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 167.4 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.089 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 95 Resp: 101169
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 77.9 0.0 155.8

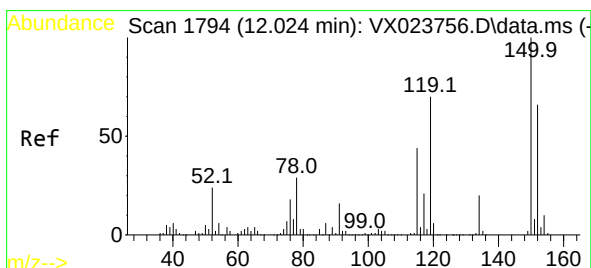
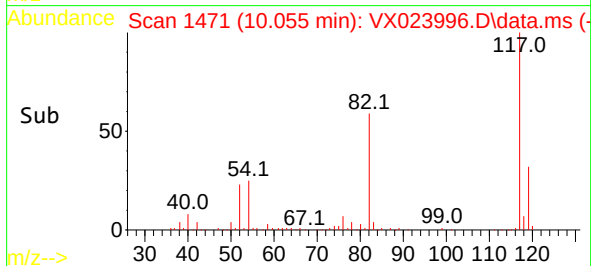
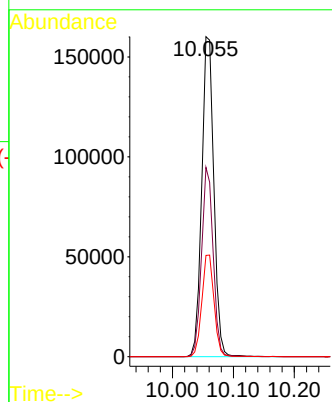
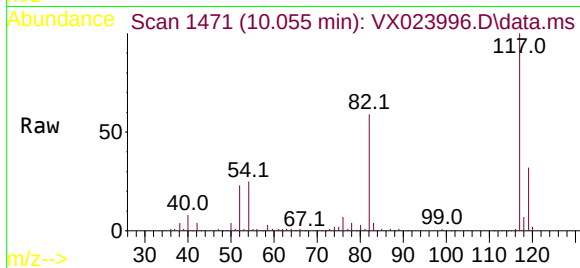




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

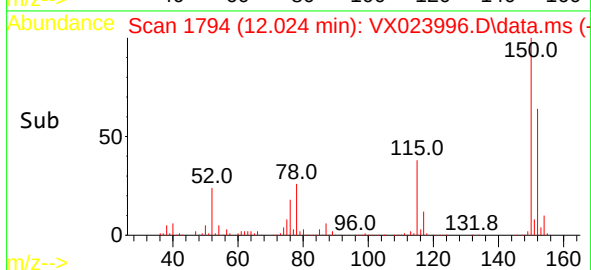
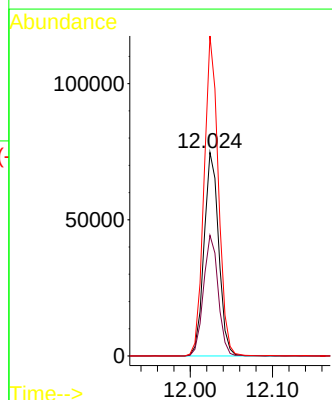
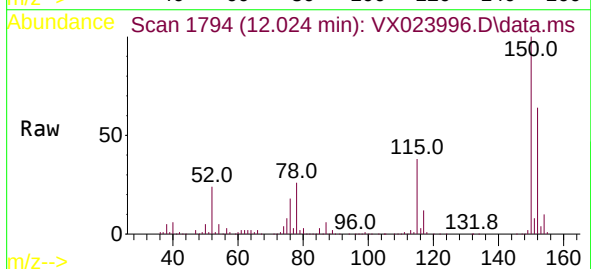
Instrument :
MSVOA_X
ClientSampled :
VE2-1

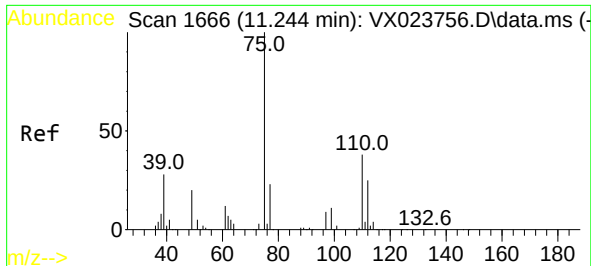
Tgt Ion:117 Resp: 221385
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion:152 Resp: 92540
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 154.1 0.0 349.0

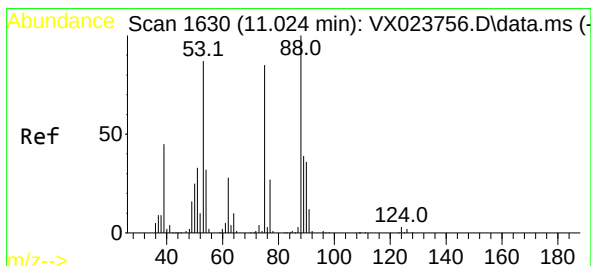
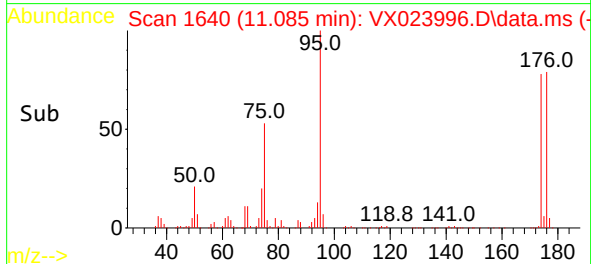
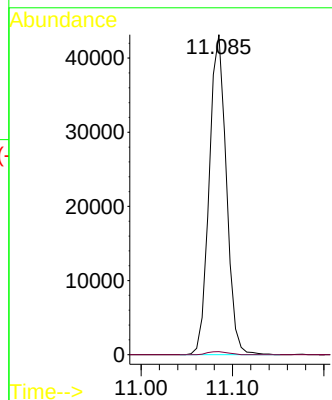
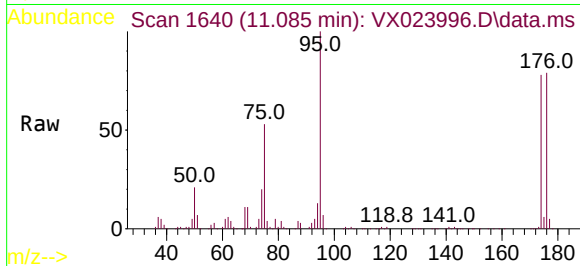




#76
1,2,3-Trichloropropane
Concen: 25.960 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

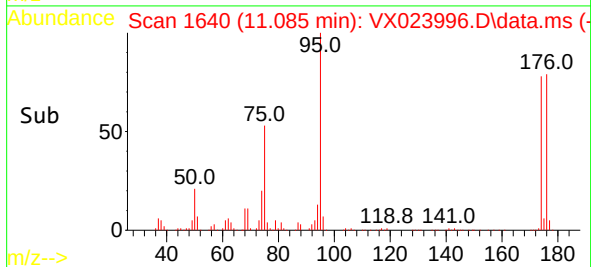
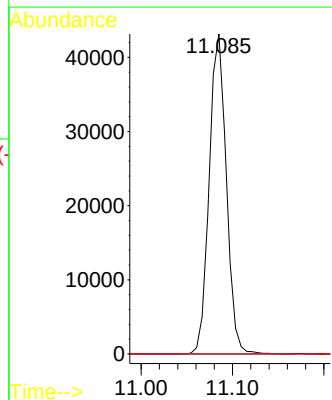
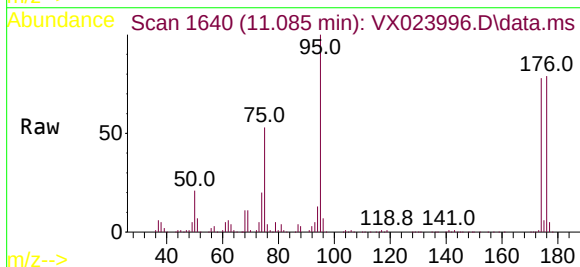
Instrument :
MSVOA_X
ClientSampled :
VE2-1

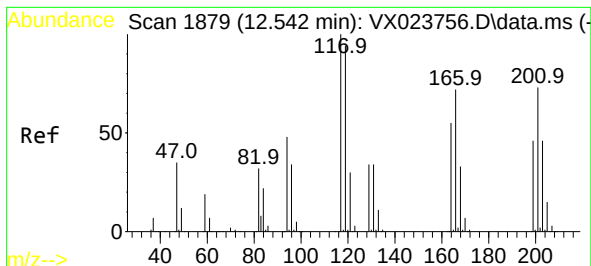
Tgt Ion: 75 Resp: 56040
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.362 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 75 Resp: 56040
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

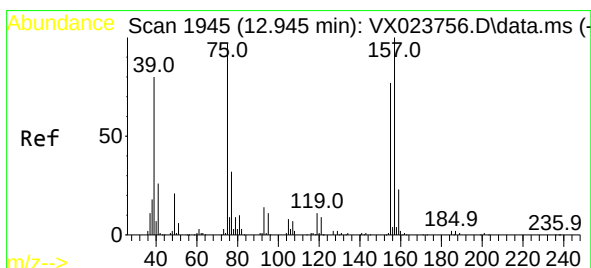
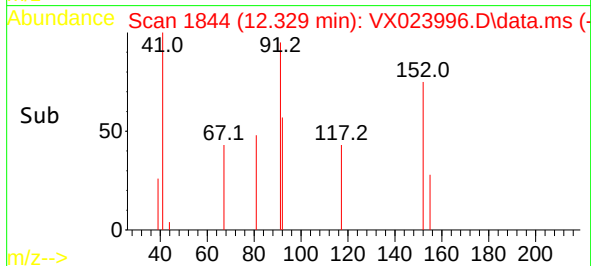
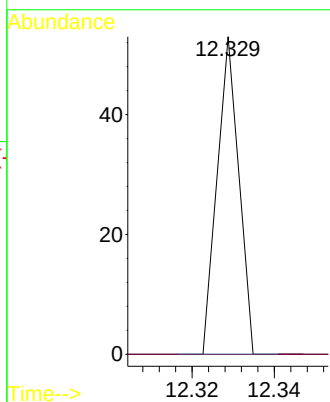
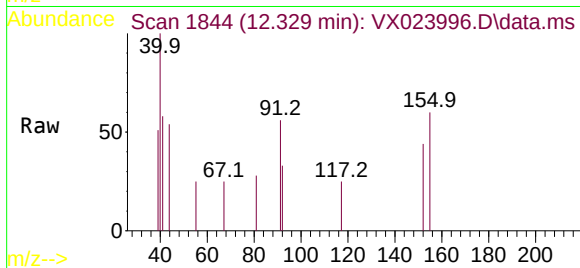




#90
Hexachloroethane
Concen: 1.484 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.213 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

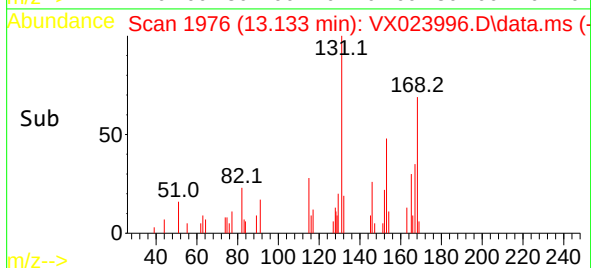
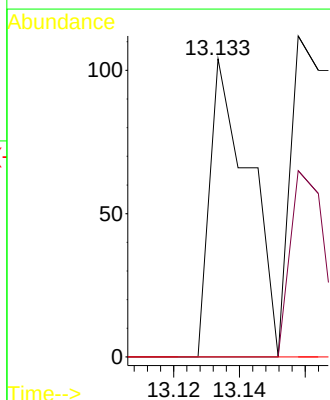
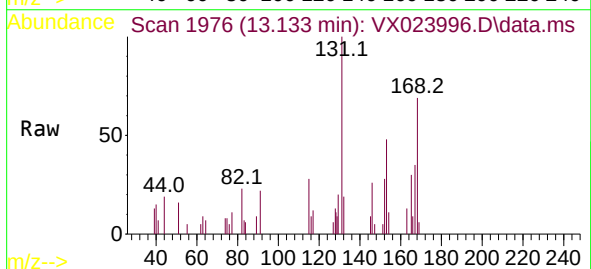
Instrument :
MSVOA_X
ClientSampled :
VE2-1

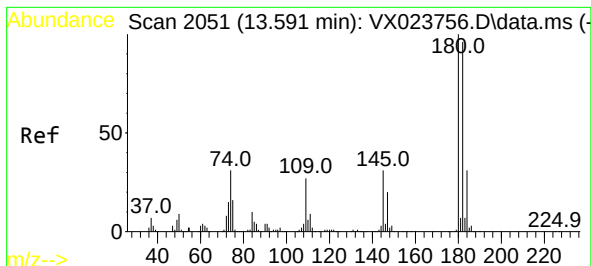
Tgt Ion:117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.313 ug/l
RT: 13.133 min Scan# 1976
Delta R.T. 0.188 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#

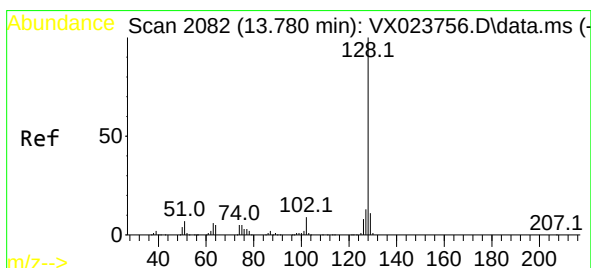
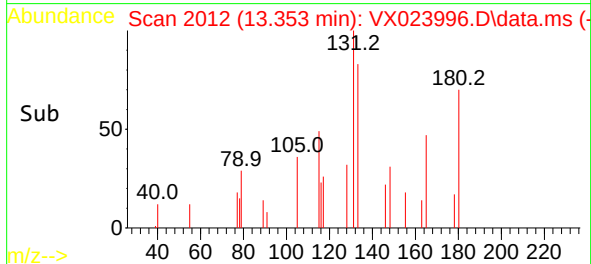
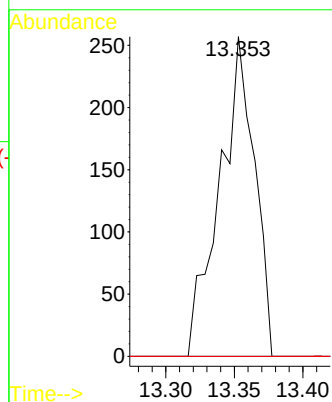
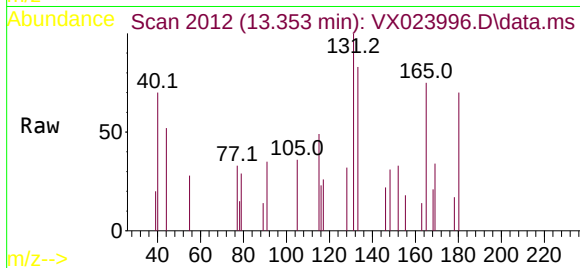




#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.353 min Scan# 2012
Delta R.T. -0.238 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Instrument :
MSVOA_X
ClientSampled :
VE2-1

Tgt Ion:180 Resp: 456
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 0.0 15.0 45.0#



#95
Naphthalene
Concen: 1.323 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023996.D
Acq: 27 Aug 2021 16:43

Tgt Ion:128 Resp: 285
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

