

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
 Data File : VX023944.D
 Acq On : 25 Aug 2021 17:28
 Operator : JC/MD
 Sample : M3525-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 17:38:26 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)

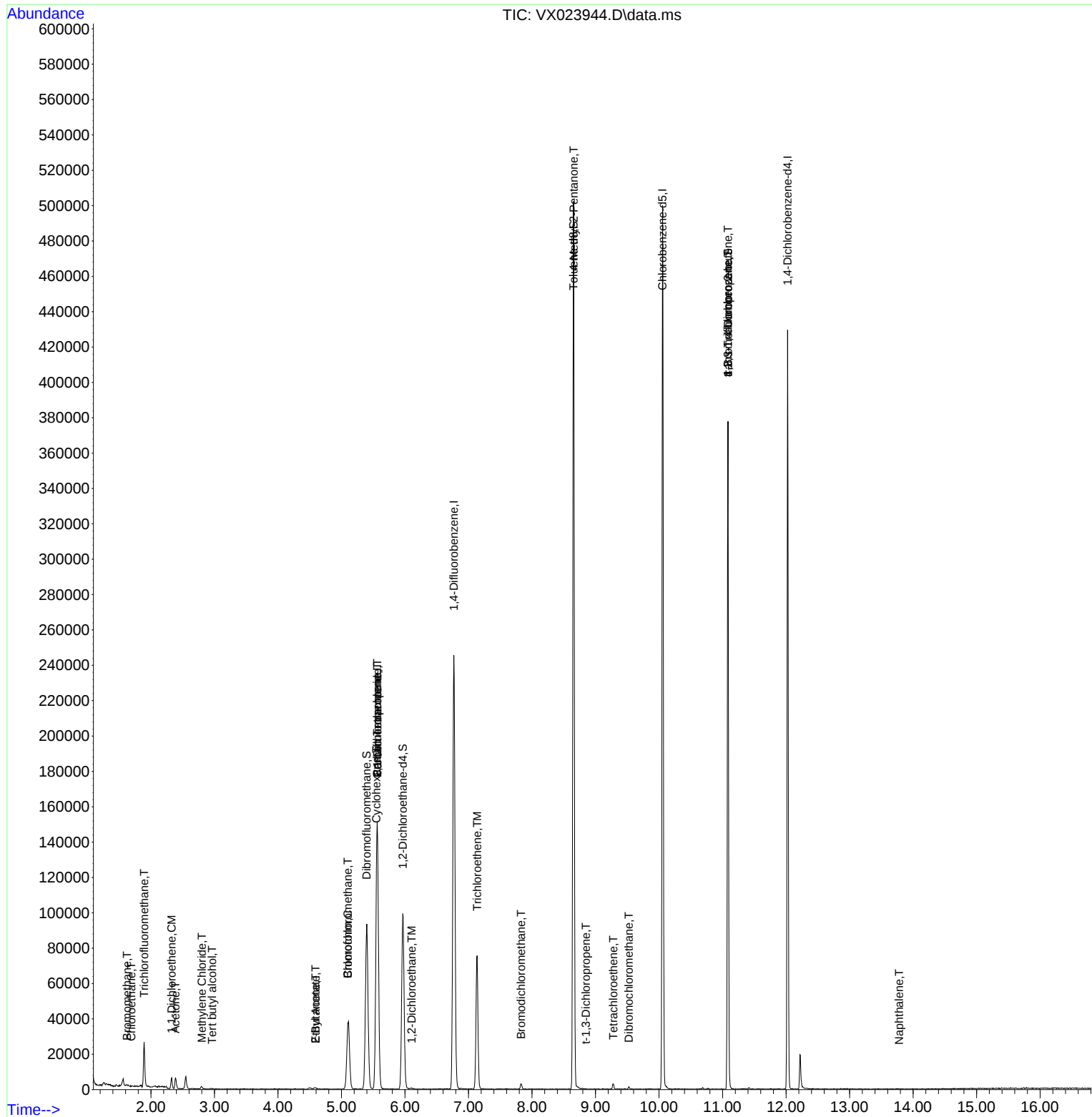
Internal Standards						
1) Pentafluorobenzene	5.562	168	141088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241509	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98987	50.269	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.540%	
35) Dibromofluoromethane	5.397	113	77430	48.440	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.880%	
50) Toluene-d8	8.653	98	282855	46.492	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.980%	
62) 4-Bromofluorobenzene	11.085	95	90905	40.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 81.180%#	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	295	0.294	ug/l #	75
6) Chloroethane	1.691	64	61	2.261	ug/l #	43
7) Trichlorofluoromethane	1.892	101	15315	6.085	ug/l	97
11) Tert butyl alcohol	2.965	59	125	0.314	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1865	1.377	ug/l	90
16) Acetone	2.386	43	6461	7.338	ug/l	91
20) Methylene Chloride	2.800	84	555	0.330	ug/l #	86
25) 2-Butanone	4.593	43	1019	0.764	ug/l #	45
28) Bromochloromethane	5.099	49	4190	3.332	ug/l #	9
30) Chloroform	5.099	83	45945	15.688	ug/l	95
31) Cyclohexane	5.550	56	3396	1.342	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	11547	5.163	ug/l #	49
37) Ethyl Acetate	4.593	43	1019	0.371	ug/l #	68
38) Carbon Tetrachloride	5.562	117	14554	6.240	ug/l #	16
42) 1,2-Dichloroethane	6.104	62	525	0.202	ug/l #	73
44) Trichloroethene	7.135	130	28558	15.632	ug/l	99
47) Bromodichloromethane	7.830	83	1954	0.884	ug/l	96
51) 4-Methyl-2-Pentanone	8.659	43	1442	0.519	ug/l #	1
53) t-1,3-Dichloropropene	8.848	75	19	2.143	ug/l #	44
60) Dibromochloromethane	9.525	129	372	1.872	ug/l	65
64) Tetrachloroethene	9.281	164	660	0.378	ug/l #	70
76) 1,2,3-Trichloropropane	11.085	75	50421	25.738	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	50421	75.709	ug/l #	12
95) Naphthalene	13.780	128	46	1.290	ug/l #	69

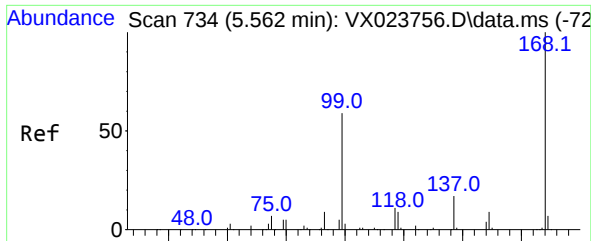
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

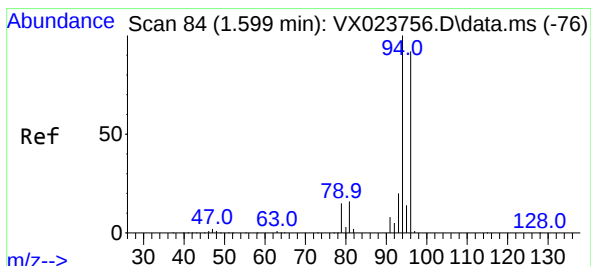
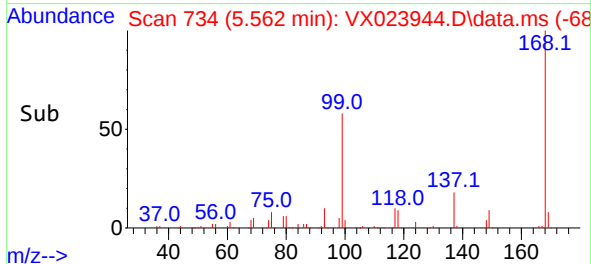
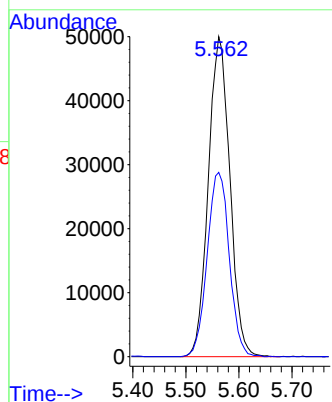
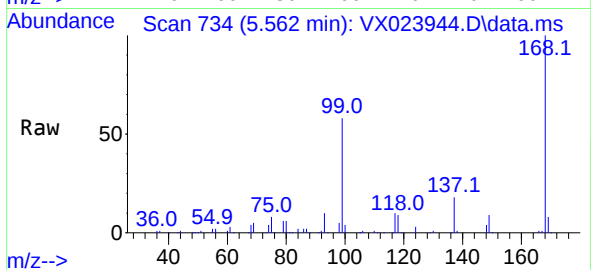




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

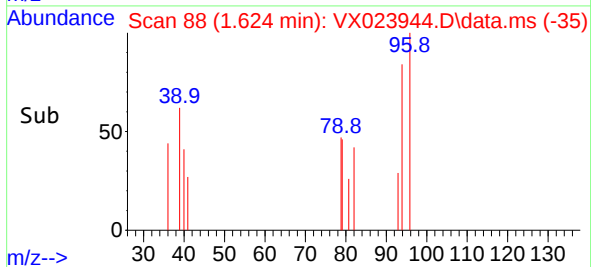
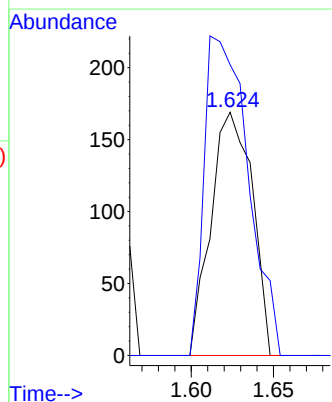
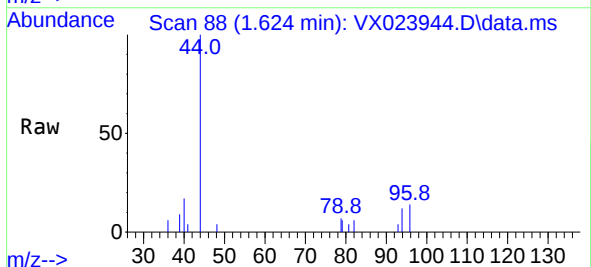
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:168 Resp: 141088
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6

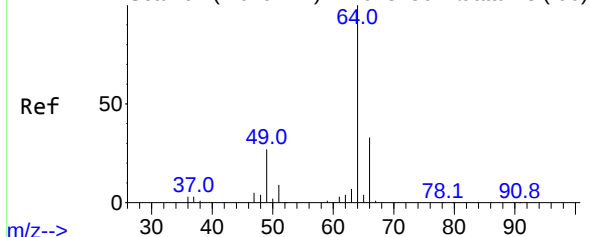


#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 119.5 76.4 114.6#

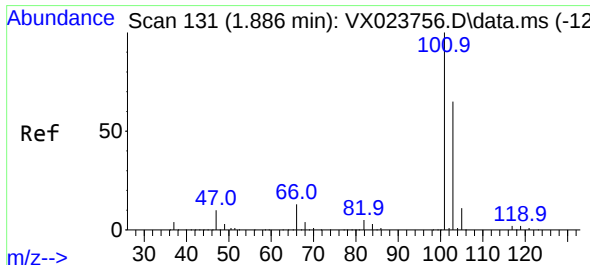
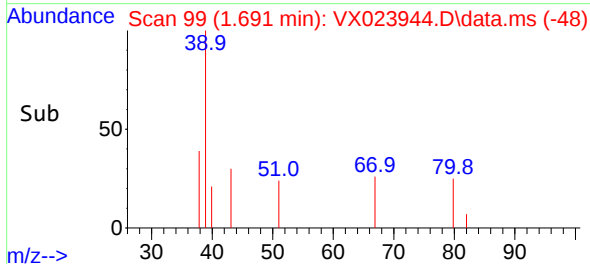
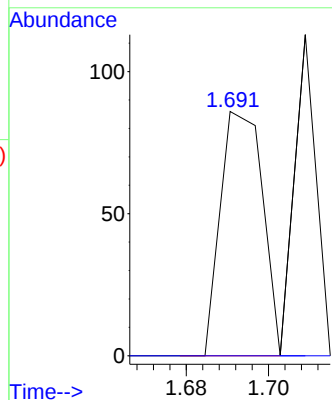
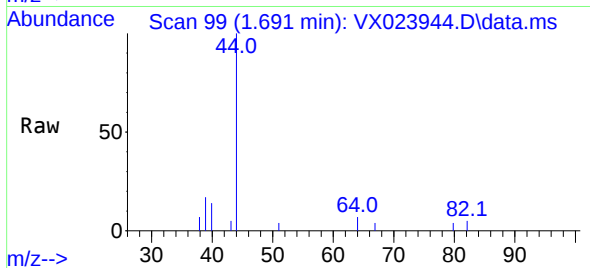


Abundance Scan 97 (1.679 min): VX023756.D\data.ms (-90)



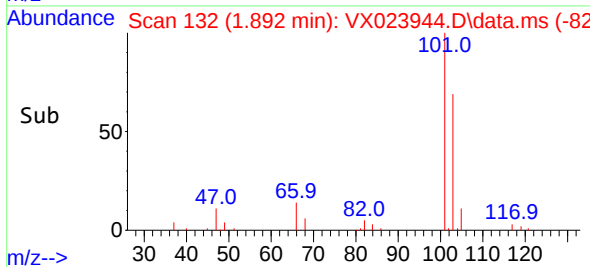
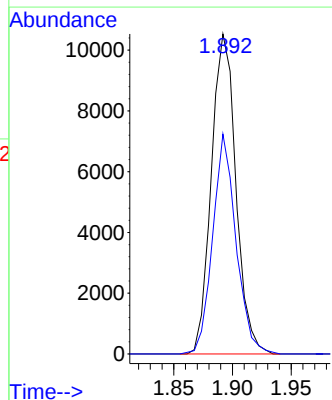
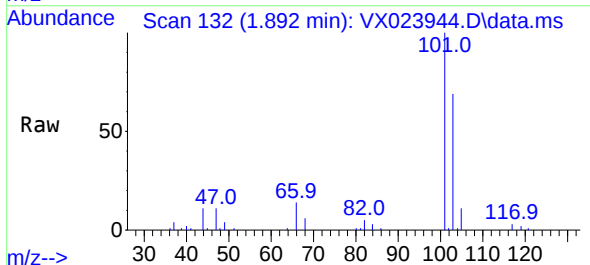
#6
Chloroethane
Concen: 2.261 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

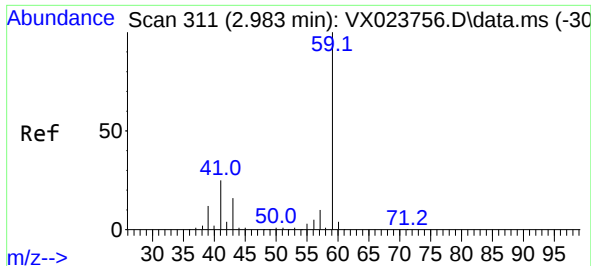
Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 6.085 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 101 Resp: 15315
Ion Ratio Lower Upper
101 100
103 68.7 53.2 79.8



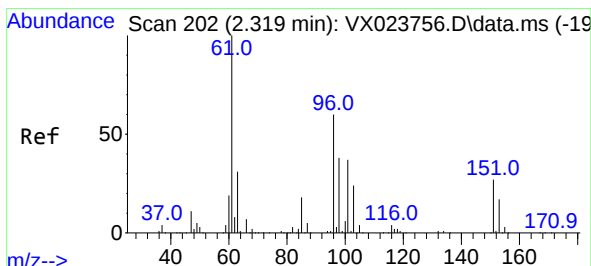
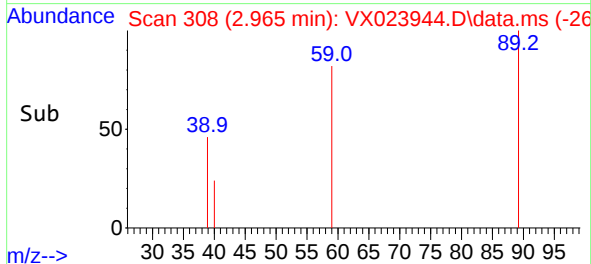
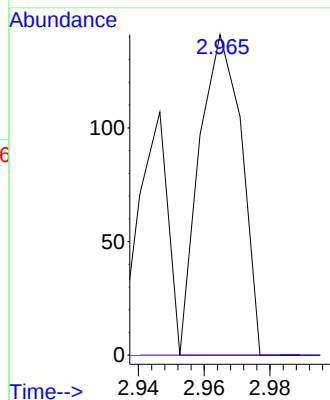
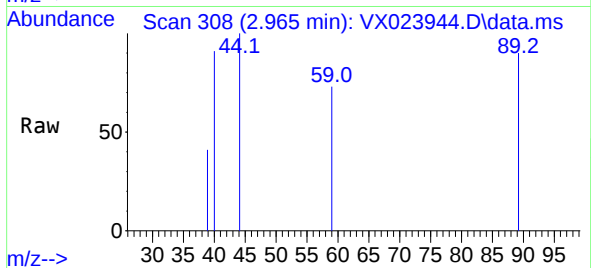


#11

Tert butyl alcohol
Concen: 0.314 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Instrument :
MSVOA_X
ClientSampled :

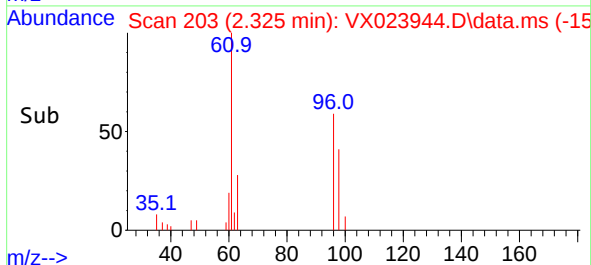
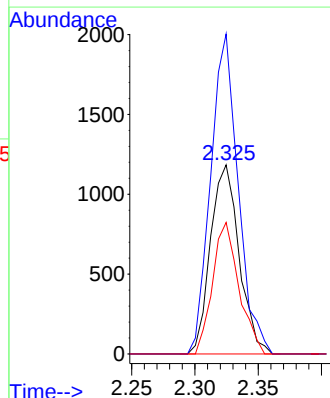
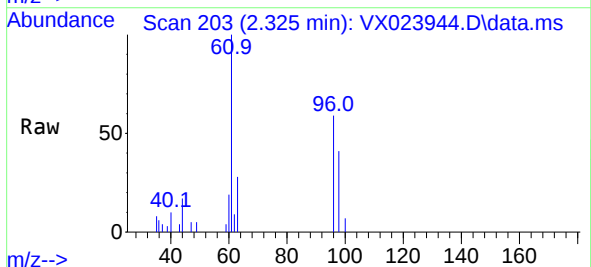
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

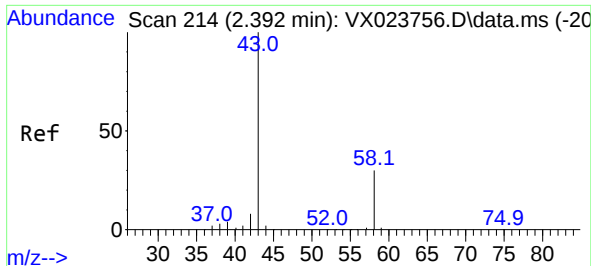


#12

1,1-Dichloroethene
Concen: 1.377 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 96 Resp: 1865
Ion Ratio Lower Upper
96 100
61 169.3 124.6 187.0
98 69.6 50.6 76.0

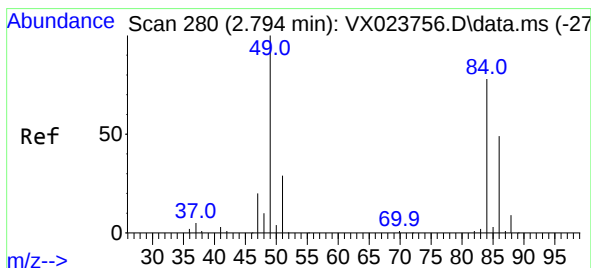
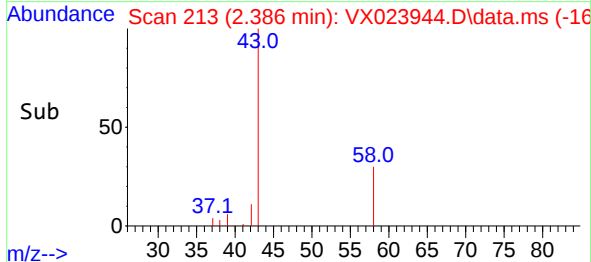
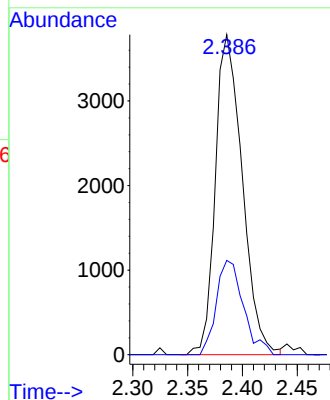
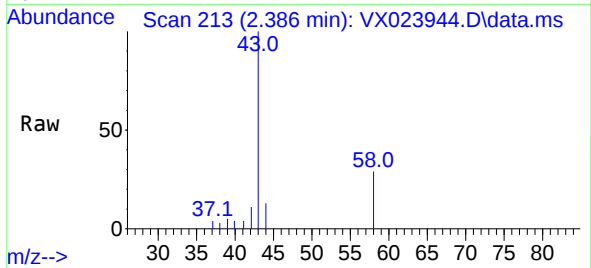




#16
Acetone
Concen: 7.338 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

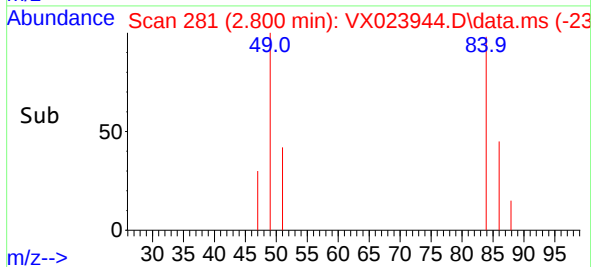
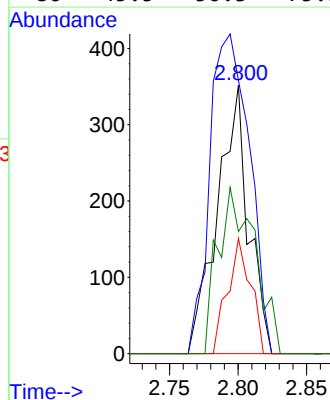
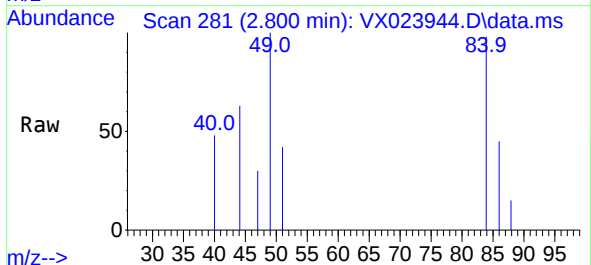
Instrument :
MSVOA_X
ClientSampled :

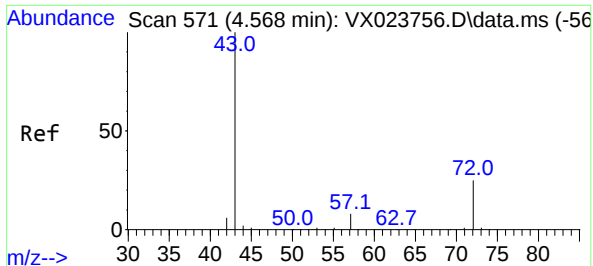
Tgt Ion: 43 Resp: 6461
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8



#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 84 Resp: 555
Ion Ratio Lower Upper
84 100
49 101.7 88.6 132.8
51 42.9 27.0 40.6#
86 45.5 50.3 75.5#

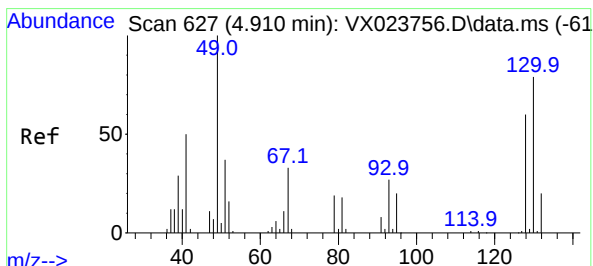
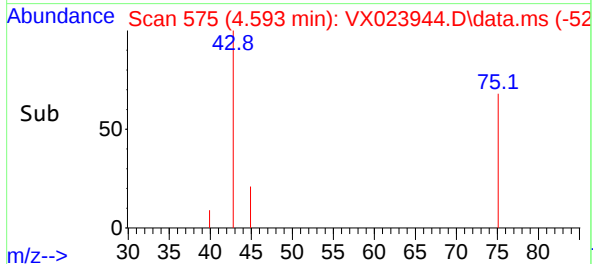
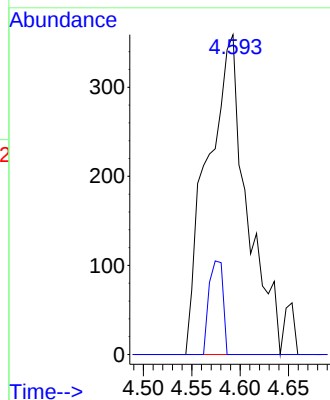
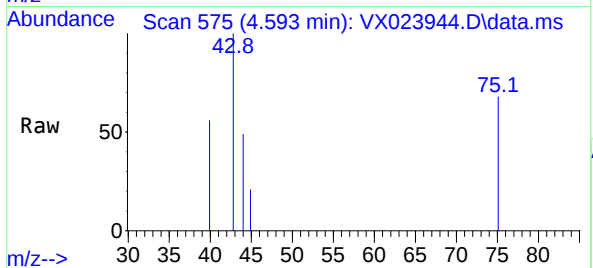




#25
2-Butanone
Concen: 0.764 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

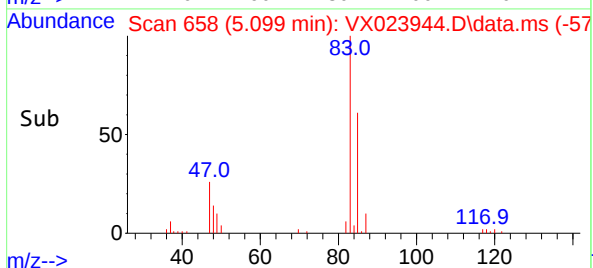
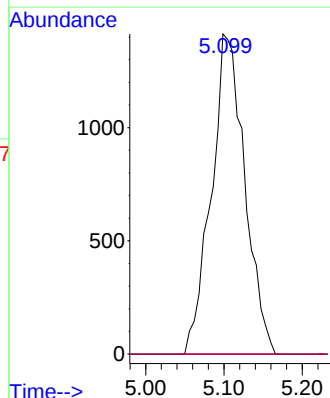
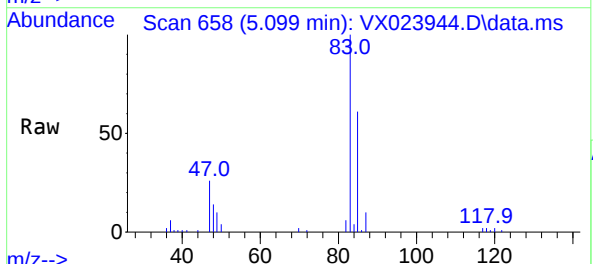
Instrument :
MSVOA_X
ClientSampled :

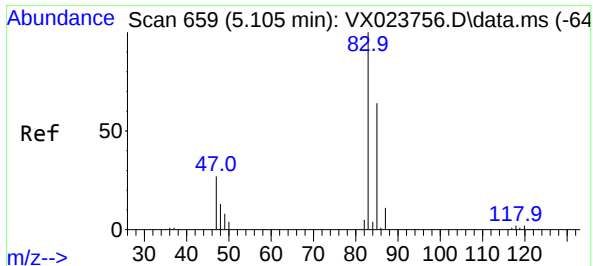
Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#28
Bromochloromethane
Concen: 3.332 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.189 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 49 Resp: 4190
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#30

Chloroform

Concen: 15.688 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX023944.D

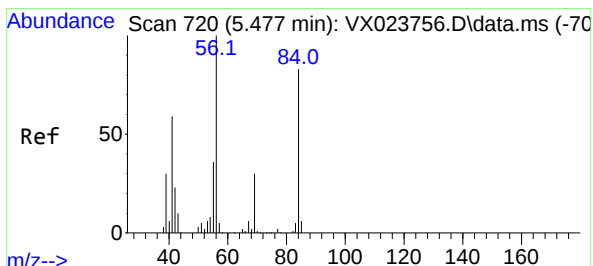
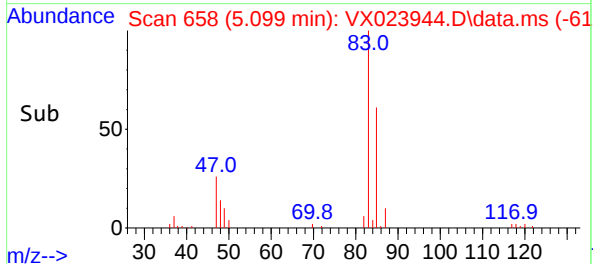
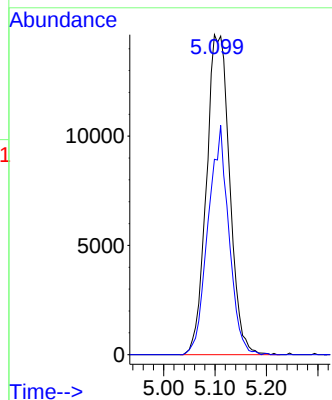
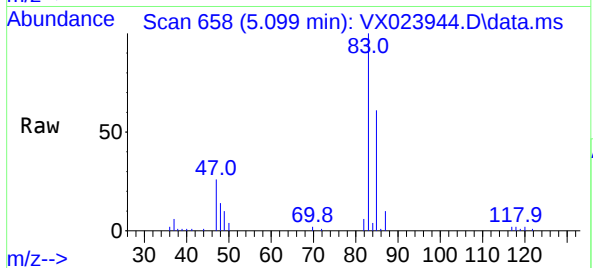
Acq: 25 Aug 2021 17:28

Tgt Ion: 83 Resp: 45945

Ion Ratio Lower Upper

83 100

85 61.1 52.0 78.0



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX023944.D

Acq: 25 Aug 2021 17:28

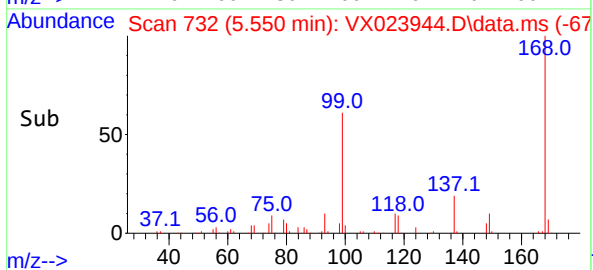
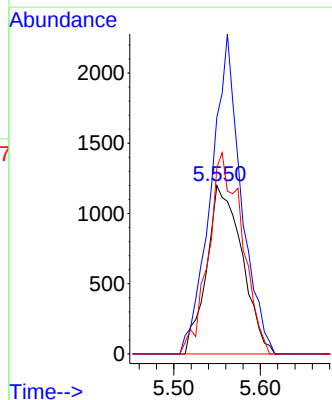
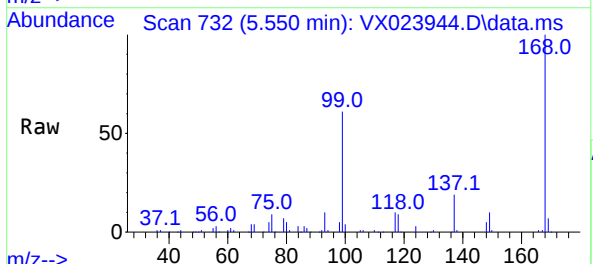
Tgt Ion: 56 Resp: 3396

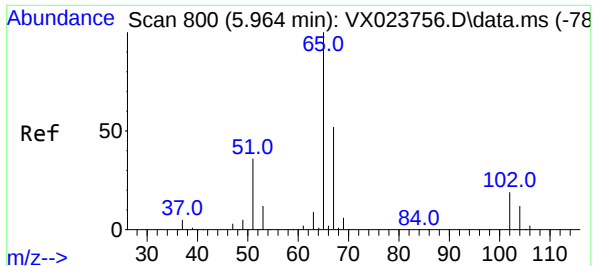
Ion Ratio Lower Upper

56 100

69 140.5 25.3 37.9#

84 110.5 71.4 107.0#



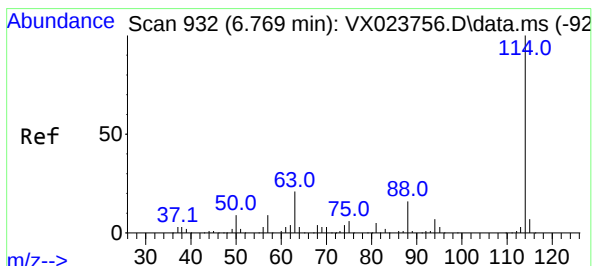
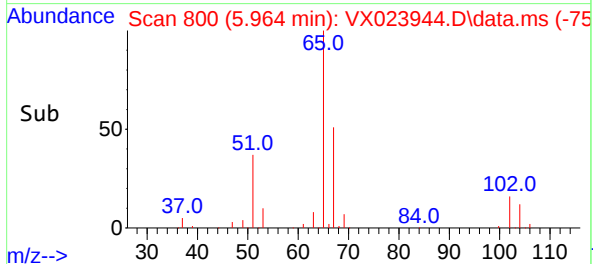
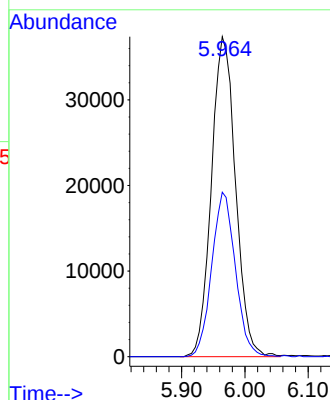
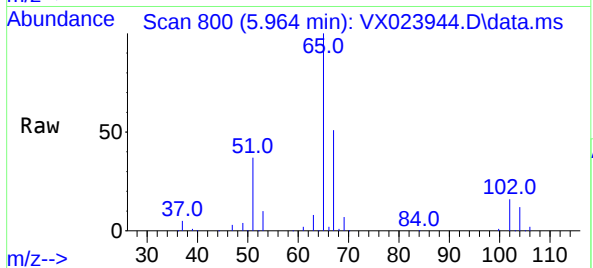


#33

1,2-Dichloroethane-d4
Concen: 50.269 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Instrument :
MSVOA_X
ClientSampled :

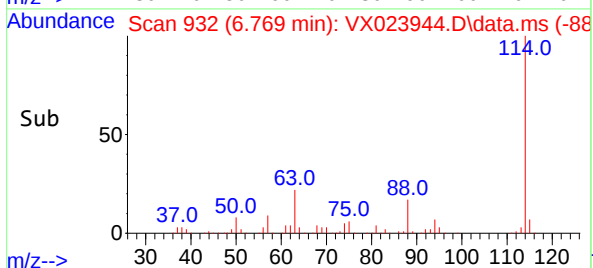
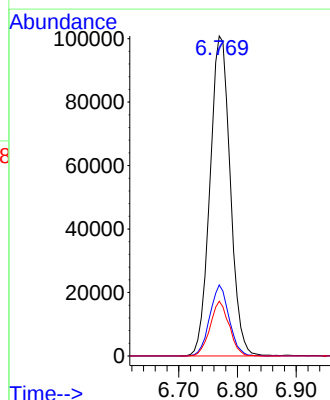
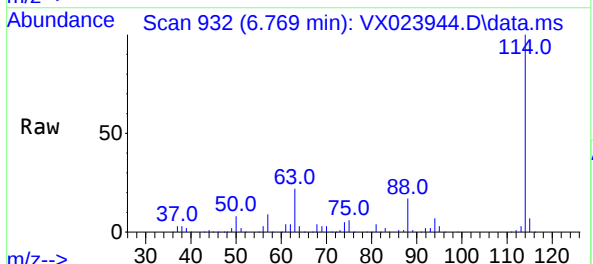
Tgt Ion: 65 Resp: 98987
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

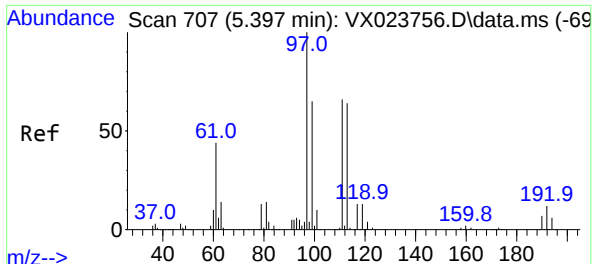


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 114 Resp: 241509
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 17.1 0.0 32.8

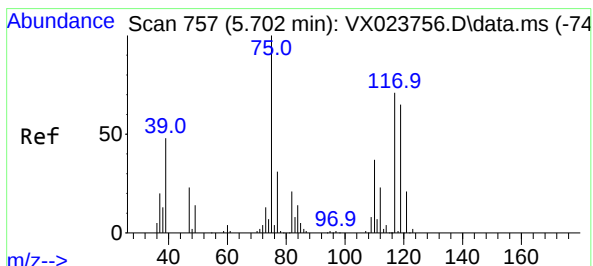
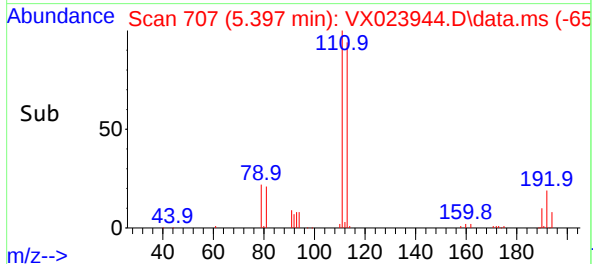
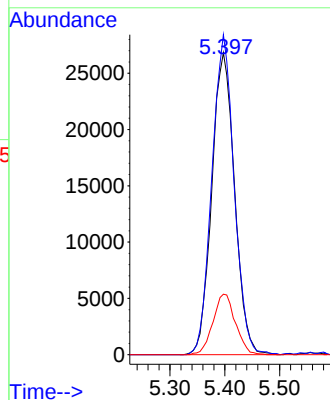
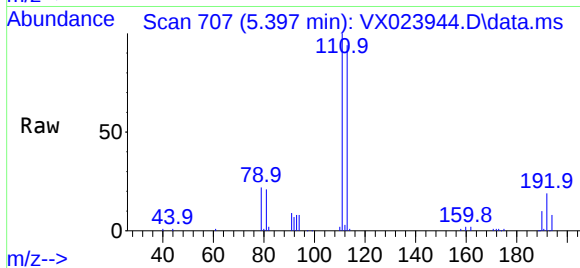




#35
Dibromofluoromethane
Concen: 48.440 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

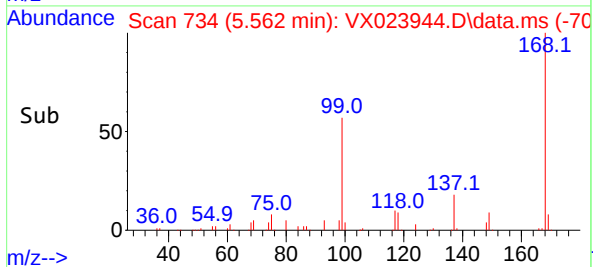
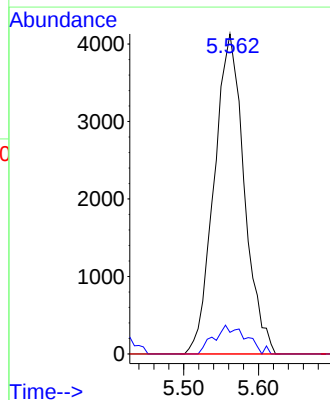
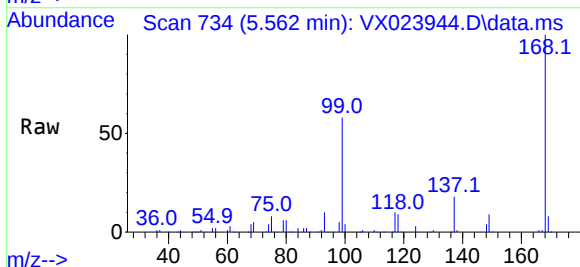
Instrument :
MSVOA_X
ClientSampleId :

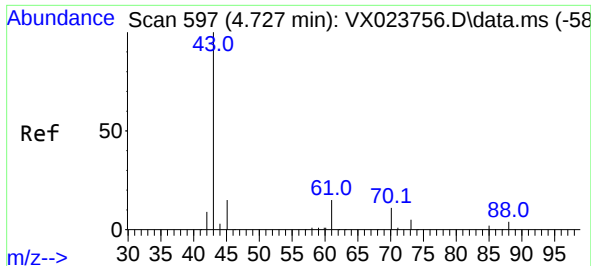
Tgt Ion:113 Resp: 77430
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.163 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 75 Resp: 11547
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#

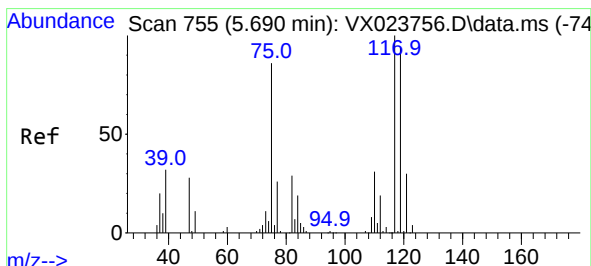
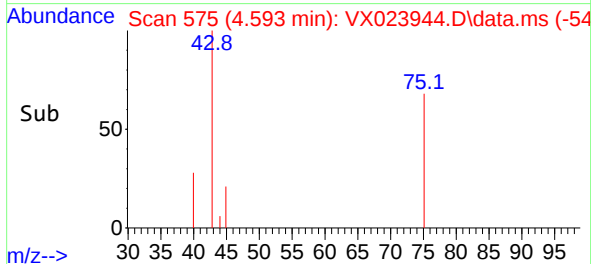
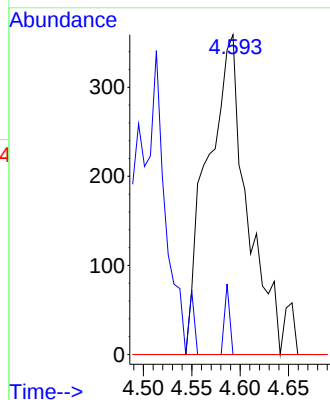
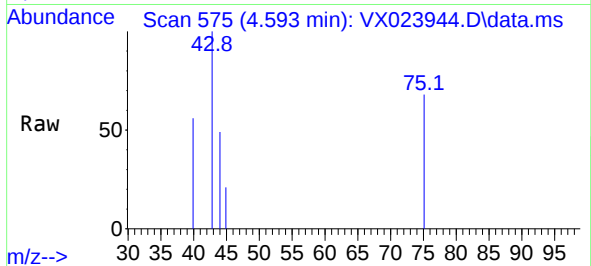




#37
Ethyl Acetate
Concen: 0.371 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.134 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

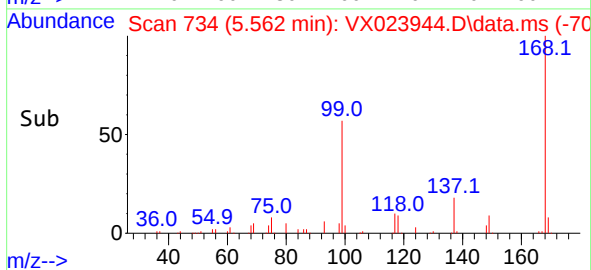
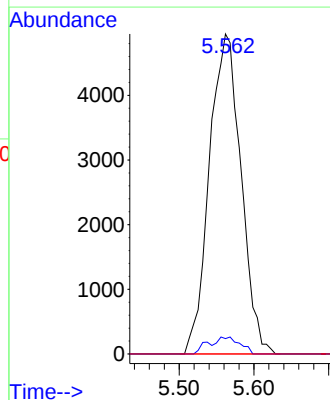
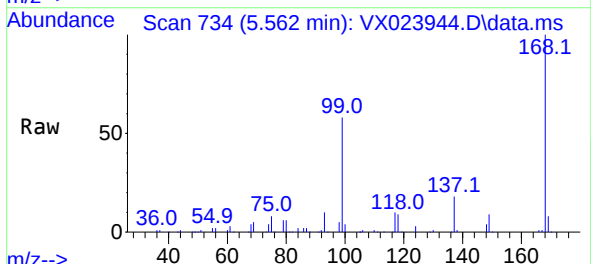
Instrument :
MSVOA_X
ClientSampled :

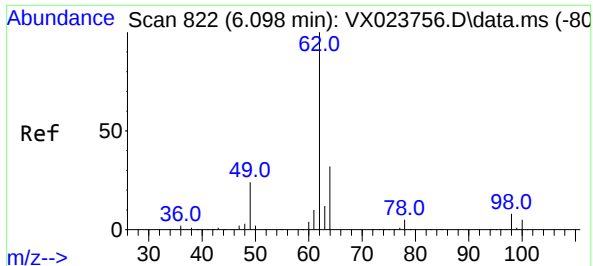
Tgt Ion:	43	Resp:	1019
Ion	Ratio	Lower	Upper
43	100		
61	2.8	12.8	19.2#
70	0.0	10.5	15.7#



#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion:	117	Resp:	14554
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	24.8	37.2#





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX023944.D

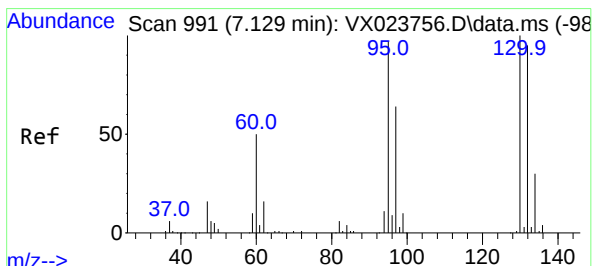
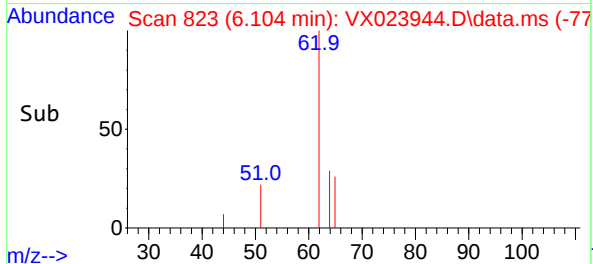
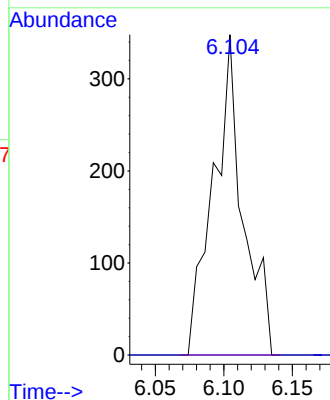
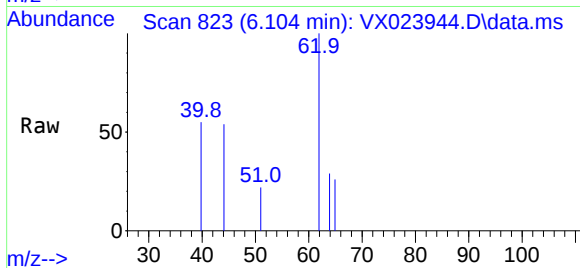
Acq: 25 Aug 2021 17:28

Tgt Ion: 62 Resp: 525

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 15.632 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023944.D

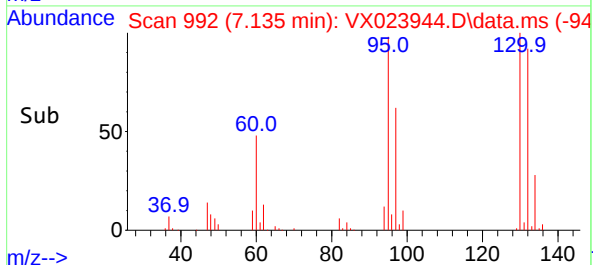
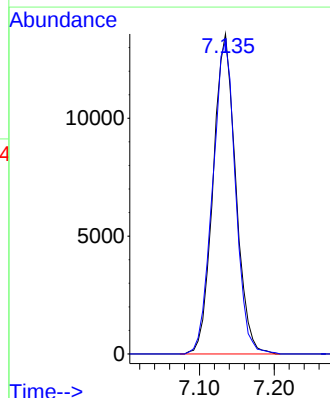
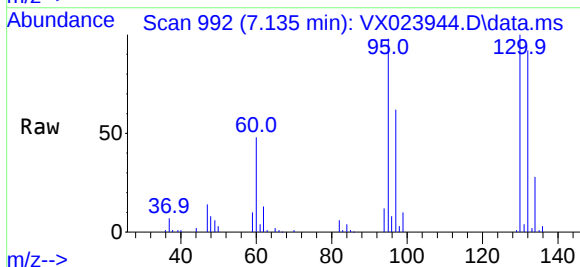
Acq: 25 Aug 2021 17:28

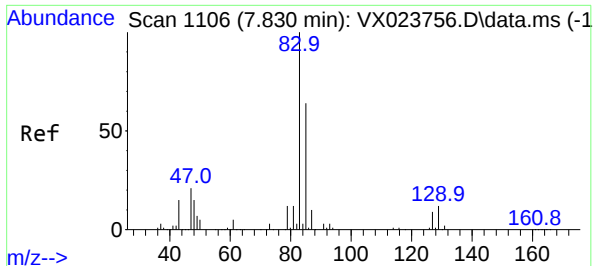
Tgt Ion:130 Resp: 28558

Ion Ratio Lower Upper

130 100

95 97.7 0.0 198.0





#47

Bromodichloromethane

Concen: 0.884 ug/l

RT: 7.830 min Scan# 1106

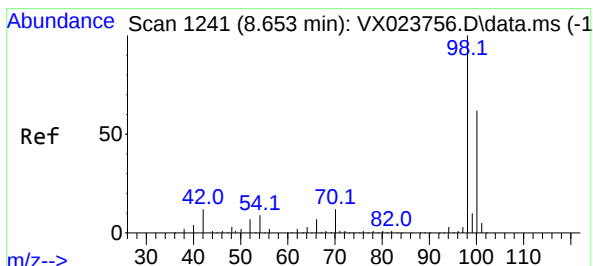
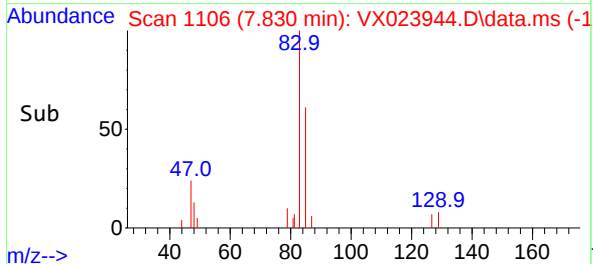
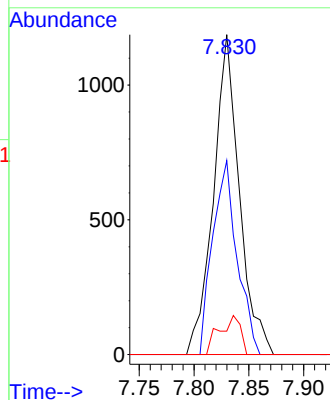
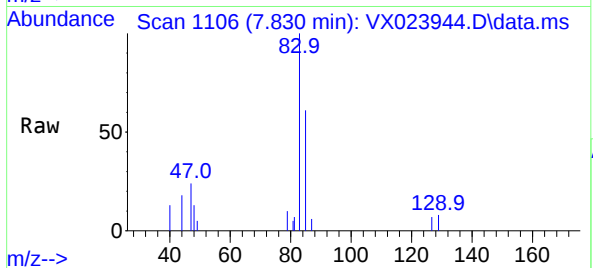
Delta R.T. -0.000 min

Lab File: VX023944.D

Acq: 25 Aug 2021 17:28

Tgt Ion:	83	Resp:	1954
Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.4	77.0
127	7.3	6.8	10.2

Instrument :
MSVOA_X
ClientSampled :



#50

Toluene-d8

Concen: 46.492 ug/l

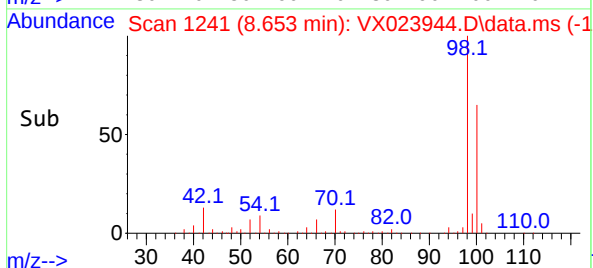
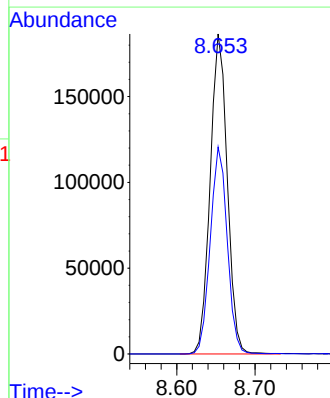
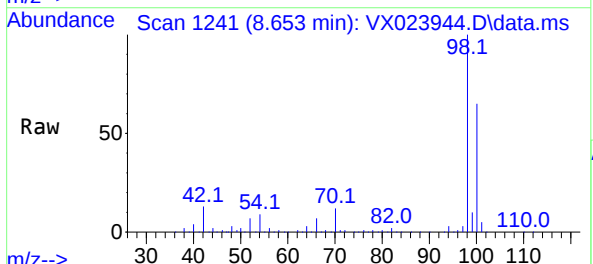
RT: 8.653 min Scan# 1241

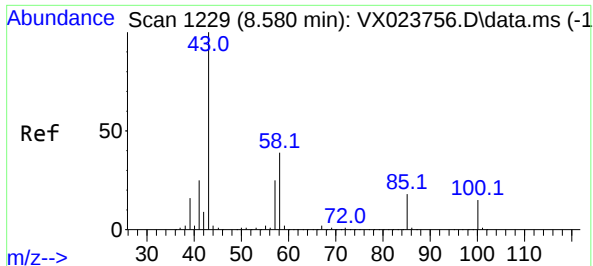
Delta R.T. -0.000 min

Lab File: VX023944.D

Acq: 25 Aug 2021 17:28

Tgt Ion:	98	Resp:	282855
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9

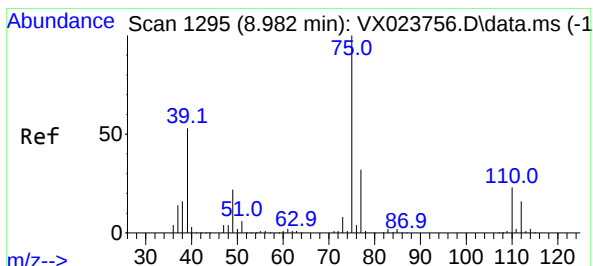
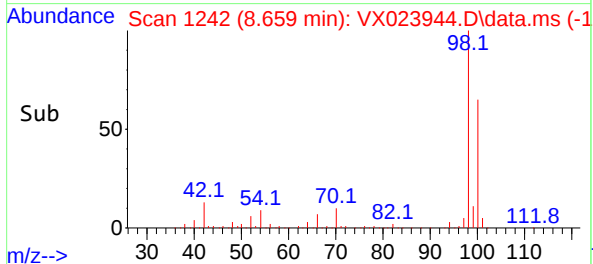
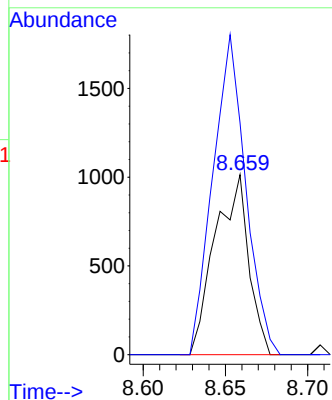
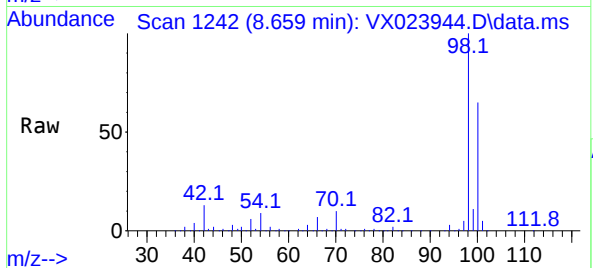




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

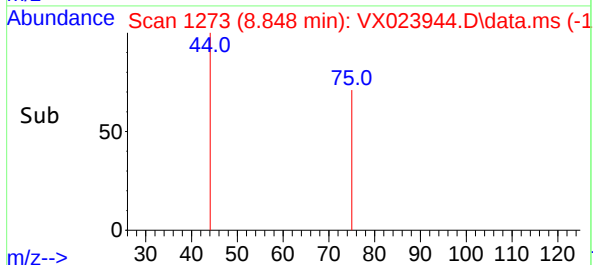
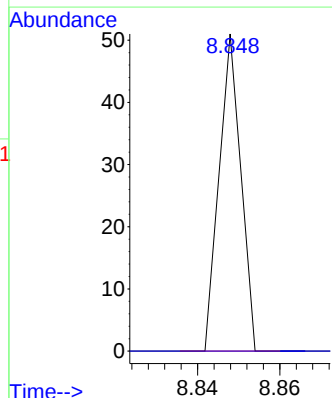
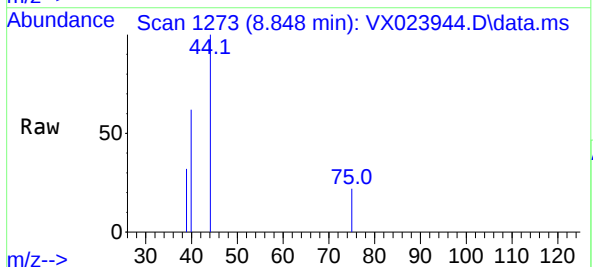
Instrument :
MSVOA_X
ClientSampled :

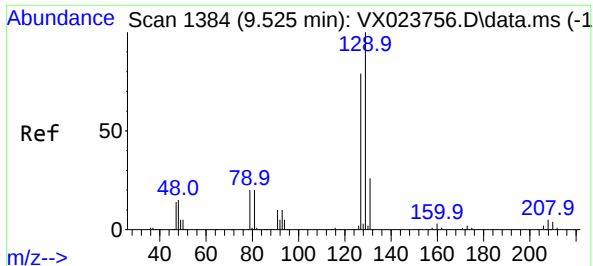
Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 173.0 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.143 ug/l
RT: 8.848 min Scan# 1273
Delta R.T. -0.134 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

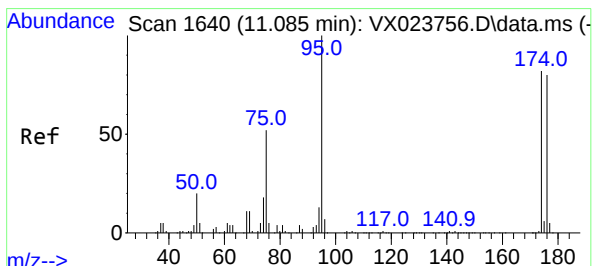
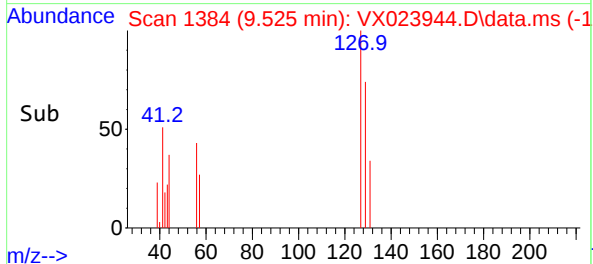
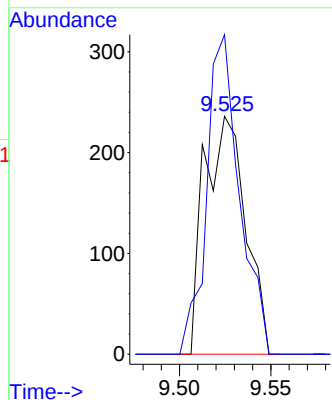
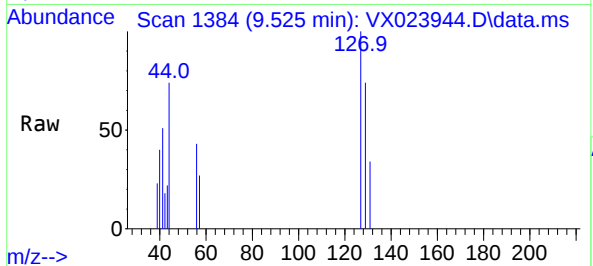




#60
Dibromochloromethane
Concen: 1.872 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

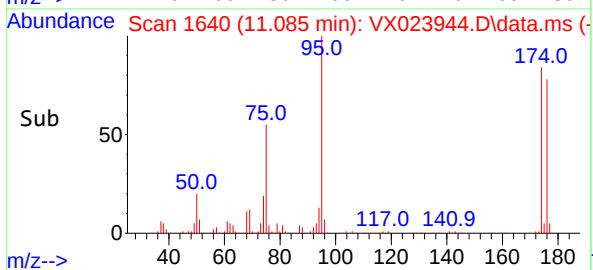
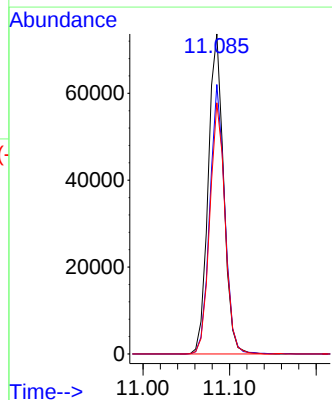
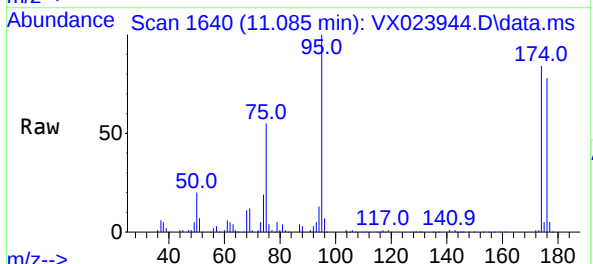
Instrument :
MSVOA_X
ClientSampled :

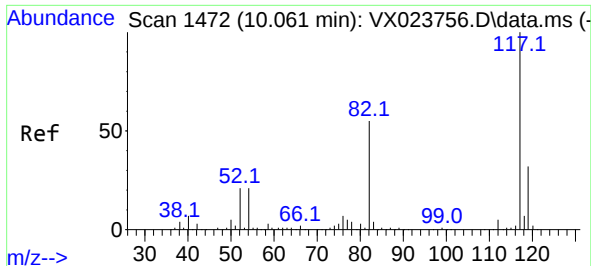
Tgt Ion:129 Resp: 372
Ion Ratio Lower Upper
129 100
127 106.7 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 40.589 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 95 Resp: 90905
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 77.5 0.0 155.8

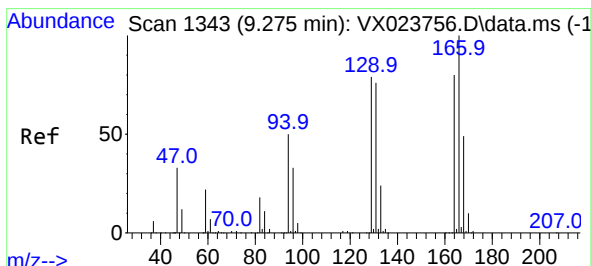
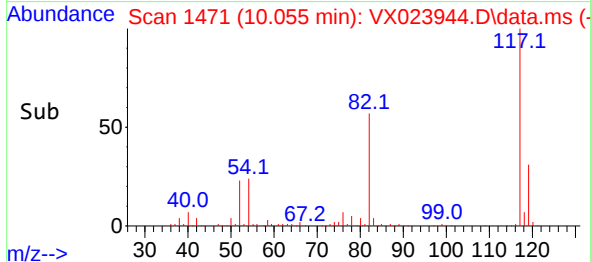
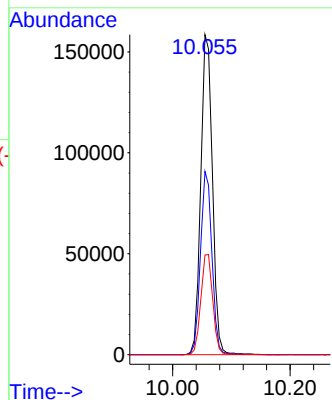
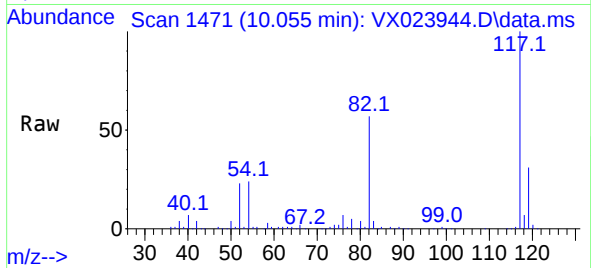




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

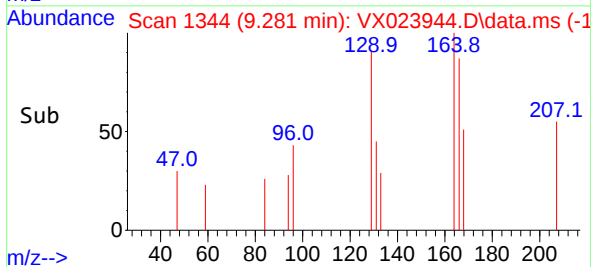
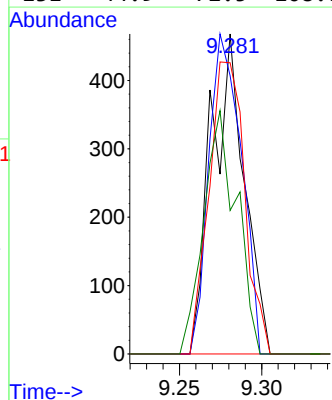
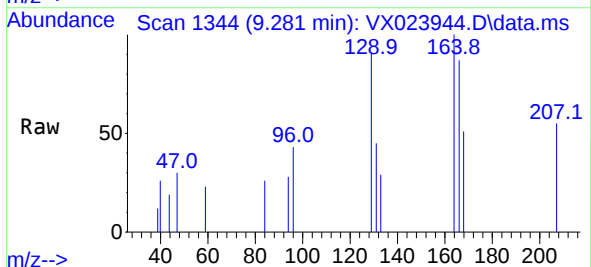
Instrument :
MSVOA_X
ClientSampleId :

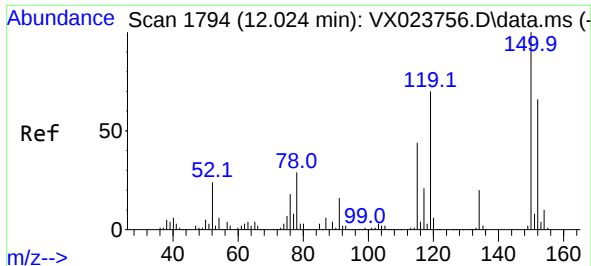
Tgt Ion:117 Resp: 218620
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.1 26.6 39.8



#64
Tetrachloroethene
Concen: 0.378 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion:164 Resp: 660
Ion Ratio Lower Upper
164 100
166 87.0 103.4 155.2#
129 91.0 70.8 106.2
131 44.9 72.5 108.7#

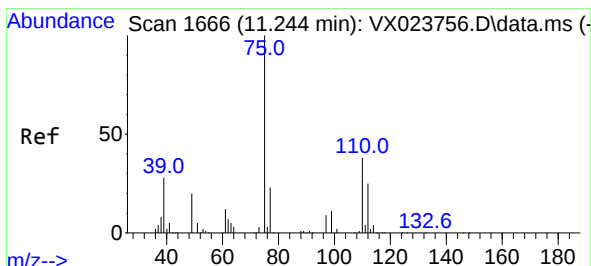
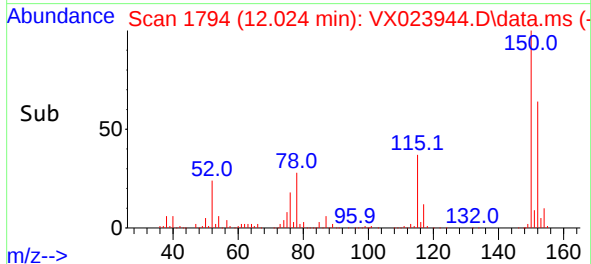
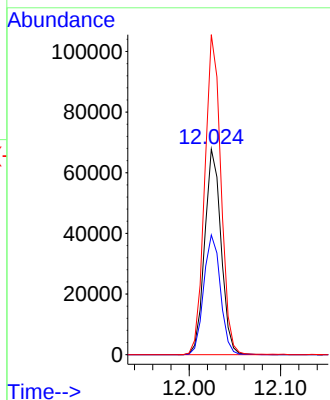
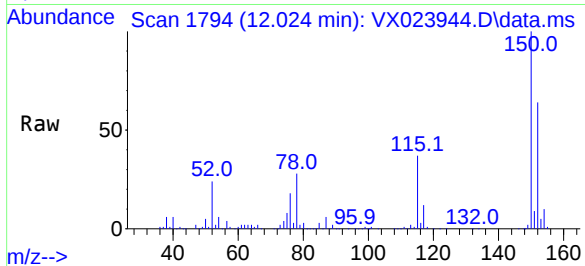




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023944.D
 Acq: 25 Aug 2021 17:28

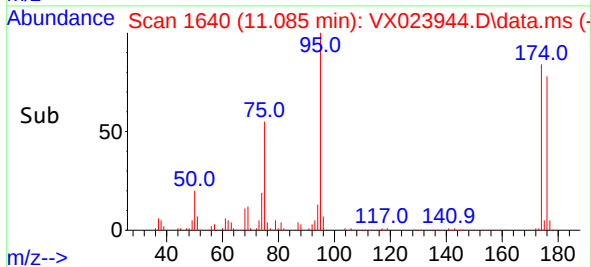
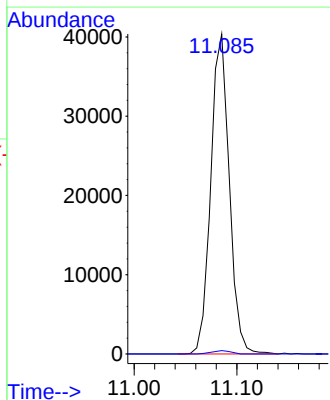
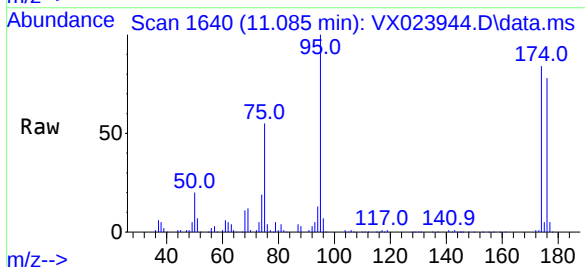
Instrument :
 MSVOA_X
 ClientSampled :

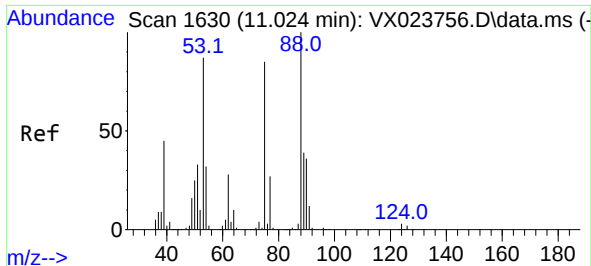
Tgt Ion:152 Resp: 83979
 Ion Ratio Lower Upper
 152 100
 115 59.4 41.1 123.3
 150 154.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.738 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023944.D
 Acq: 25 Aug 2021 17:28

Tgt Ion: 75 Resp: 50421
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

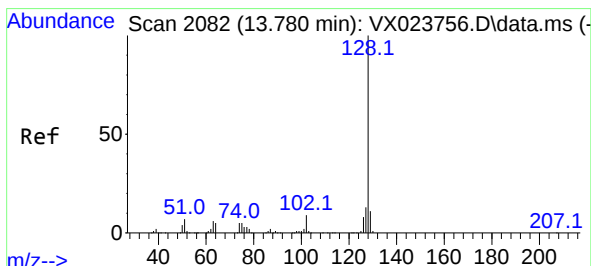
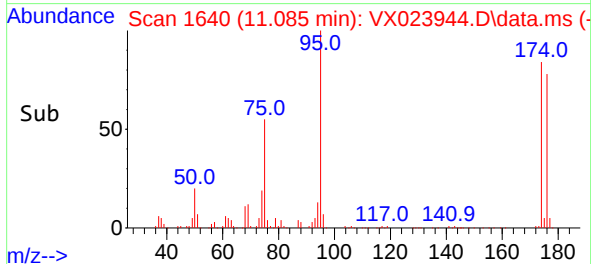
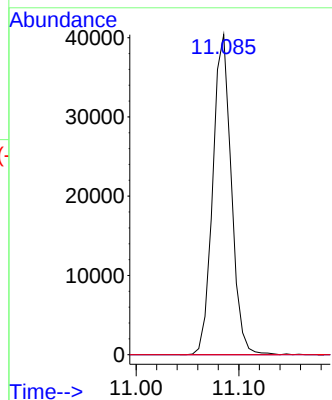
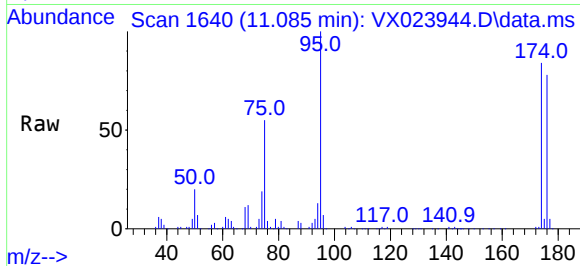




#81
trans-1,4-Dichloro-2-butene
Concen: 75.709 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 50421
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.290 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023944.D
Acq: 25 Aug 2021 17:28

Tgt Ion: 128 Resp: 46
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

