

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
 Data File : VX023950.D
 Acq On : 25 Aug 2021 19:49
 Operator : JC/MD
 Sample : M3525-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 17:40:34 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

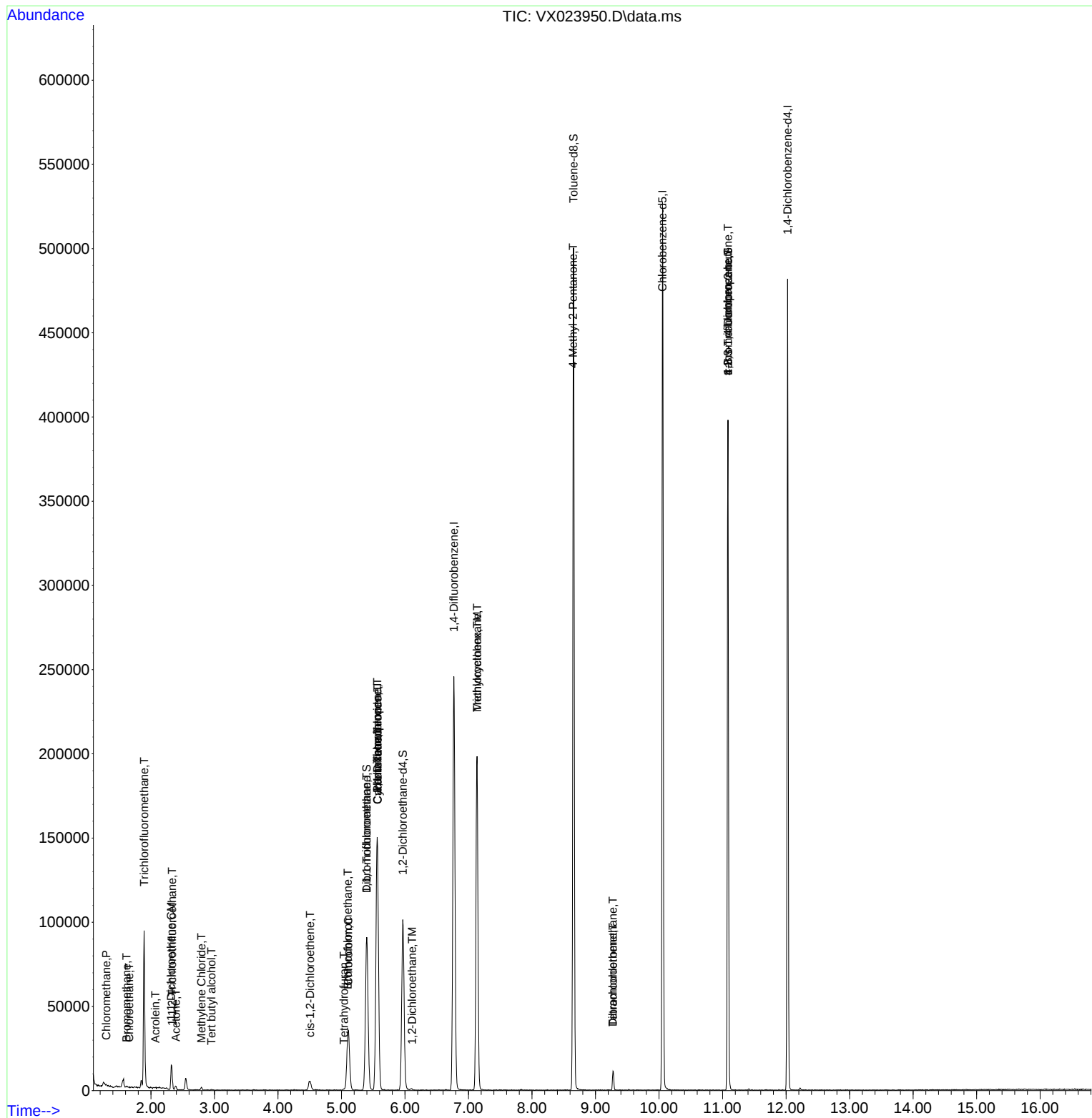
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	137767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99855	51.932	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.860%	
35) Dibromofluoromethane	5.397	113	77578	48.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.940%	
50) Toluene-d8	8.653	98	280966	46.598	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.200%	
62) 4-Bromofluorobenzene	11.085	95	99557	44.852	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.700%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	395	0.248	ug/l	90
5) Bromomethane	1.618	94	341	0.349	ug/l #	2
6) Chloroethane	1.654	64	83	2.279	ug/l #	43
7) Trichlorofluoromethane	1.892	101	57256	23.298	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	487	0.352	ug/l #	88
11) Tert butyl alcohol	2.953	59	156	0.401	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	4459	3.373	ug/l	96
13) Acrolein	2.069	56	52	0.225	ug/l #	66
16) Acetone	2.392	43	2362	2.747	ug/l #	77
20) Methylene Chloride	2.794	84	655	0.399	ug/l #	80
27) cis-1,2-Dichloroethene	4.507	96	3391	2.018	ug/l	95
28) Bromochloromethane	5.099	49	3704	3.016	ug/l #	9
29) Tetrahydrofuran	5.038	42	540	0.640	ug/l #	56
30) Chloroform	5.105	83	42634	14.908	ug/l	93
31) Cyclohexane	5.568	56	3309	1.340	ug/l #	36
32) 1,1,1-Trichloroethane	5.397	97	1212	0.495	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	11450	5.166	ug/l #	51
38) Carbon Tetrachloride	5.568	117	15061	6.516	ug/l #	16
39) Methylcyclohexane	7.135	83	958	0.355	ug/l #	1
42) 1,2-Dichloroethane	6.111	62	921	0.358	ug/l #	73
44) Trichloroethene	7.135	130	75180	41.523	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1453	0.527	ug/l #	1
60) Dibromochloromethane	9.275	129	1980	2.679	ug/l #	11
64) Tetrachloroethene	9.275	164	2321	1.284	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	54399	24.536	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54399	72.173	ug/l #	12

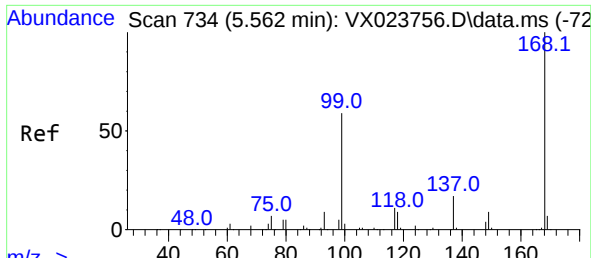
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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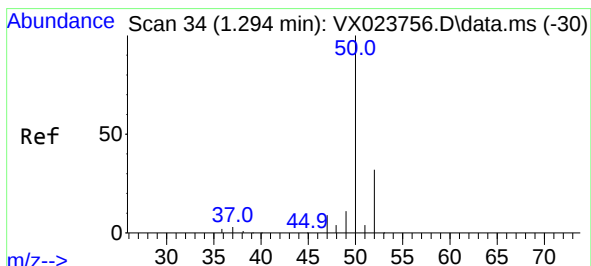
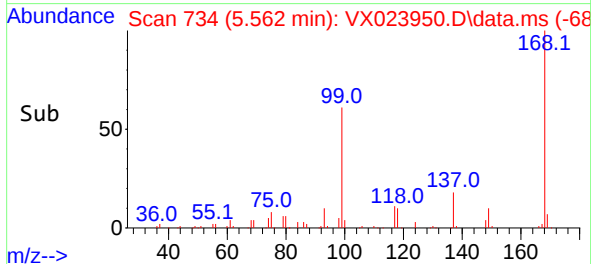
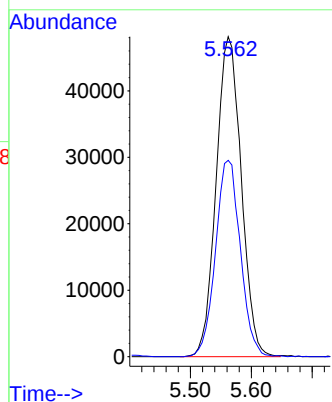
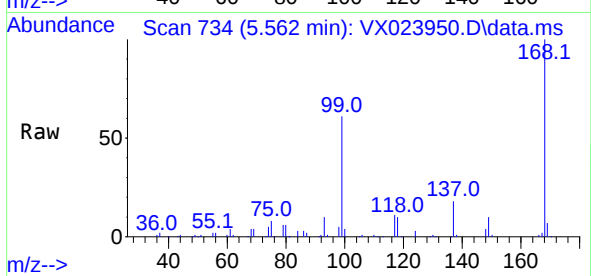




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

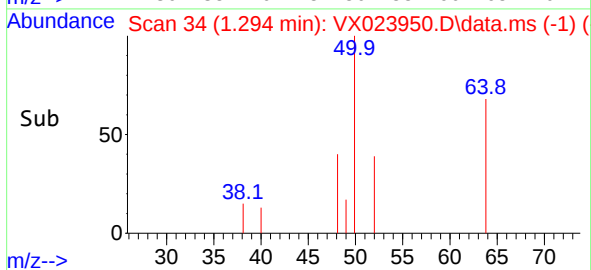
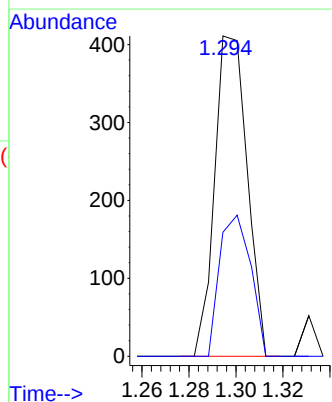
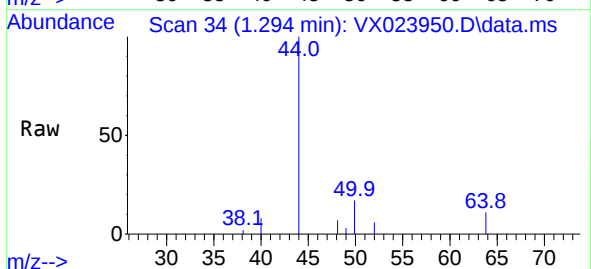
Instrument :
MSVOA_X
ClientSampled :

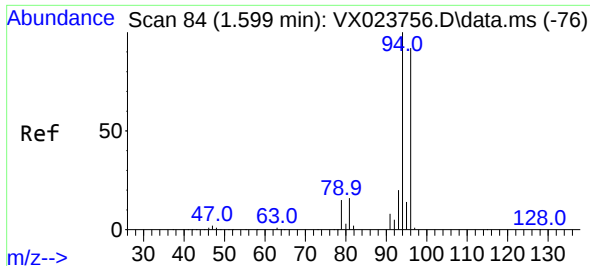
Tgt Ion:168 Resp: 137767
Ion Ratio Lower Upper
168 100
99 61.4 45.8 68.6



#3
Chloromethane
Concen: 0.248 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 50 Resp: 395
Ion Ratio Lower Upper
50 100
52 38.7 26.4 39.6

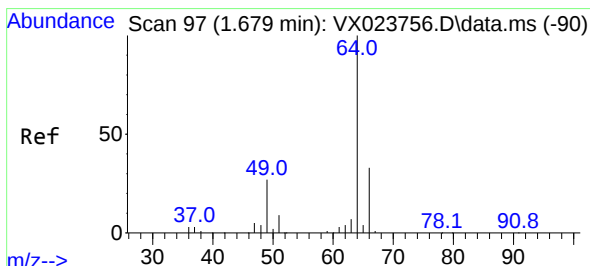
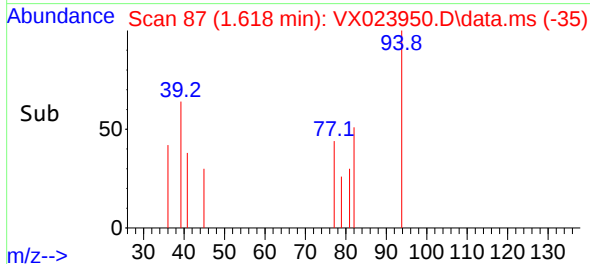
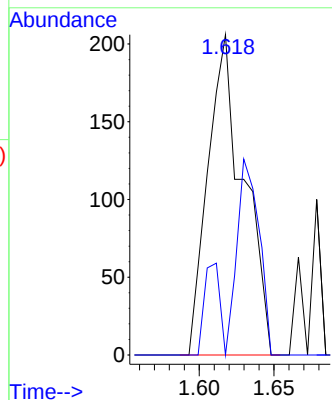
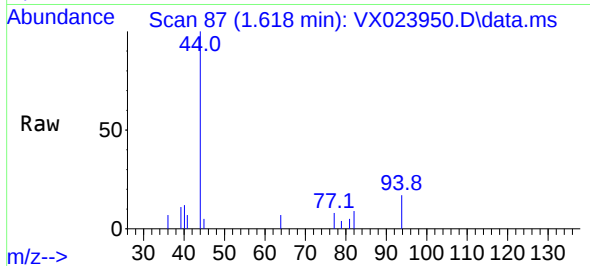




#5
Bromomethane
Concen: 0.349 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

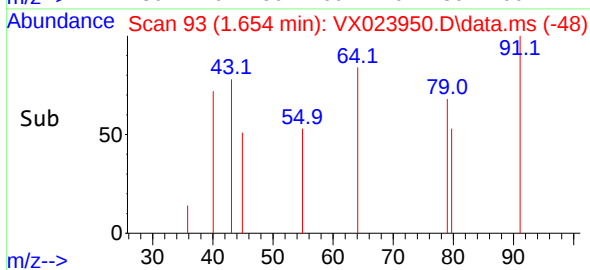
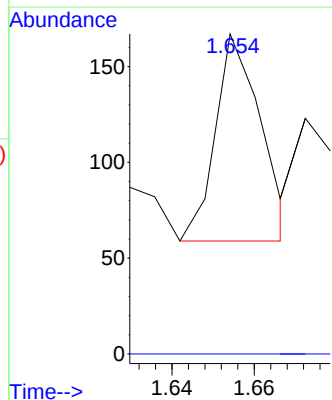
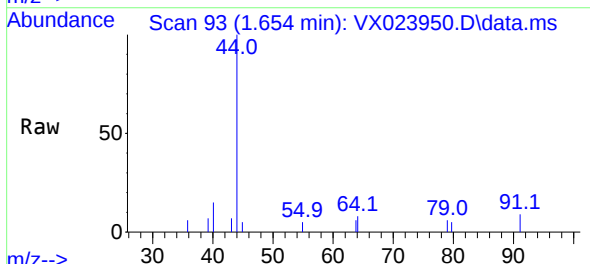
Instrument :
MSVOA_X
ClientSampled :

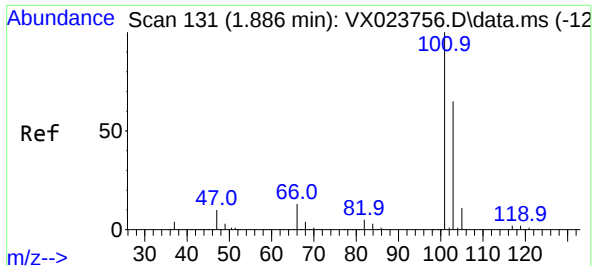
Tgt Ion: 94 Resp: 341
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#6
Chloroethane
Concen: 2.279 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

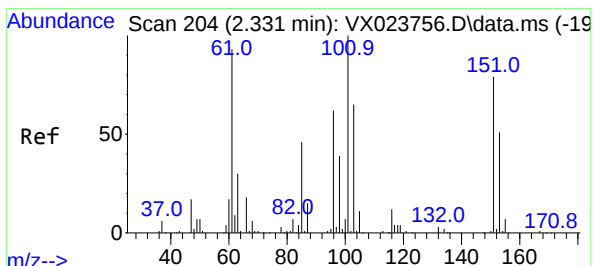
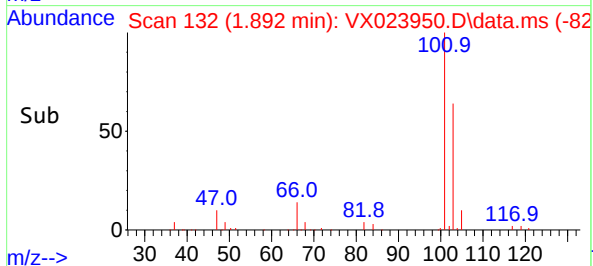
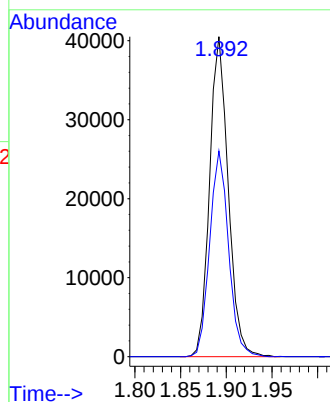
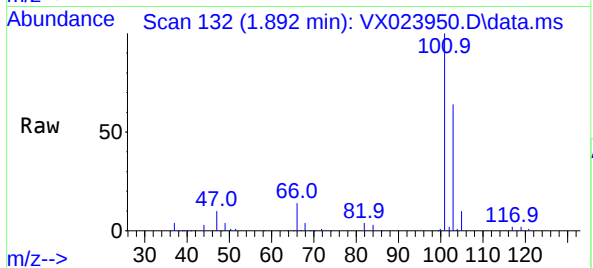




#7
 Trichlorofluoromethane
 Concen: 23.298 ug/l
 RT: 1.892 min Scan# 132
 Delta R.T. 0.006 min
 Lab File: VX023950.D
 Acq: 25 Aug 2021 19:49

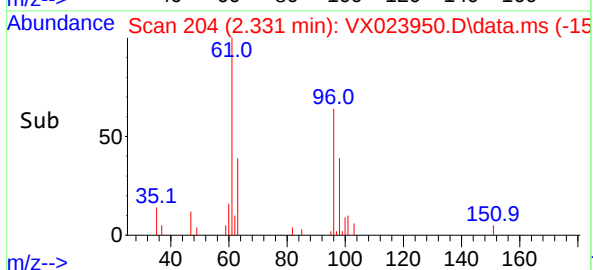
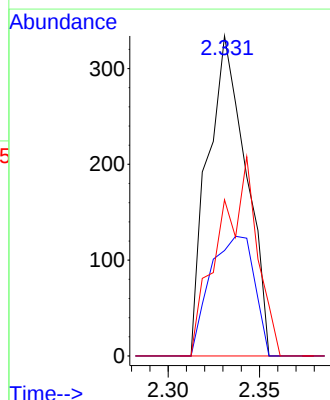
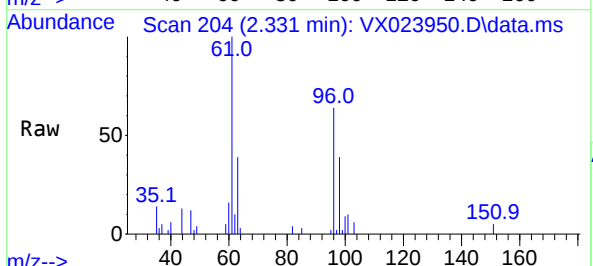
Instrument :
 MSVOA_X
 ClientSampled :

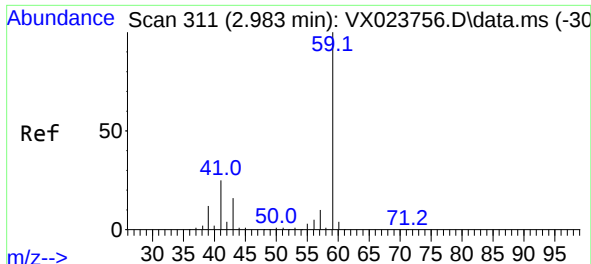
Tgt Ion:101 Resp: 57256
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.2 79.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.352 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX023950.D
 Acq: 25 Aug 2021 19:49

Tgt Ion:101 Resp: 487
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.9 52.3
 151 61.4 61.4 92.2#



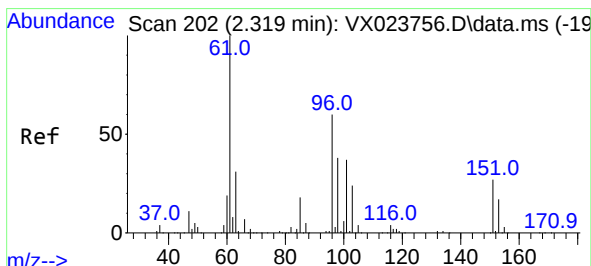
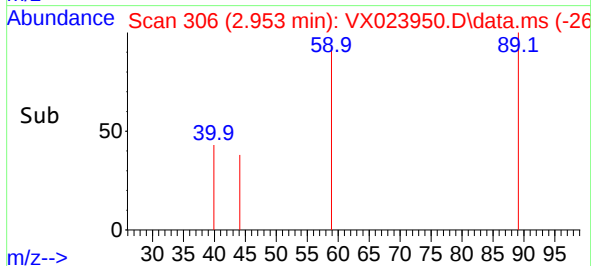
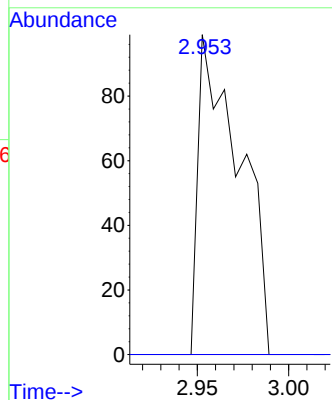
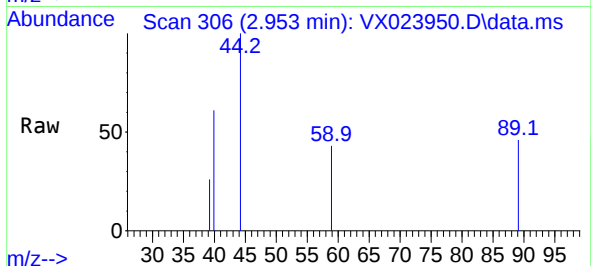


#11

Tert butyl alcohol
Concen: 0.401 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Instrument :
MSVOA_X
ClientSampled :

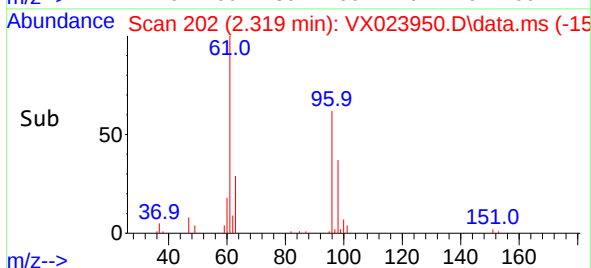
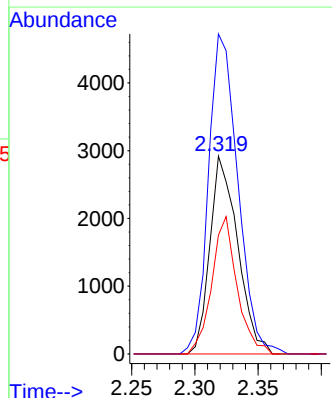
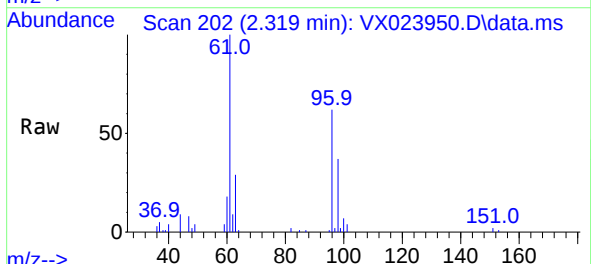
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

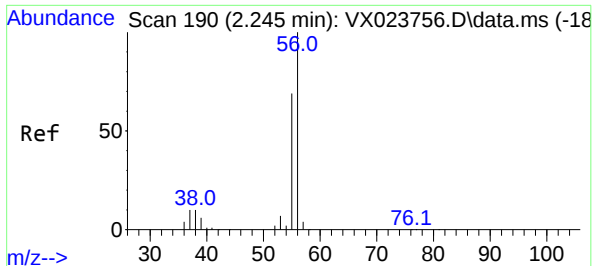


#12

1,1-Dichloroethene
Concen: 3.373 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 96 Resp: 4459
Ion Ratio Lower Upper
96 100
61 161.7 124.6 187.0
98 60.1 50.6 76.0

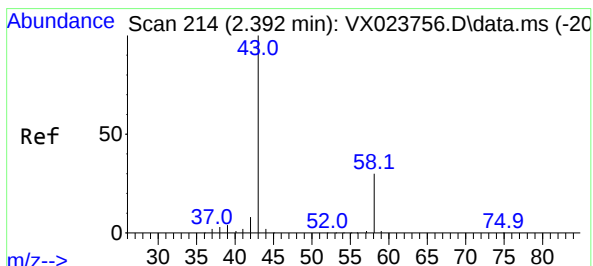
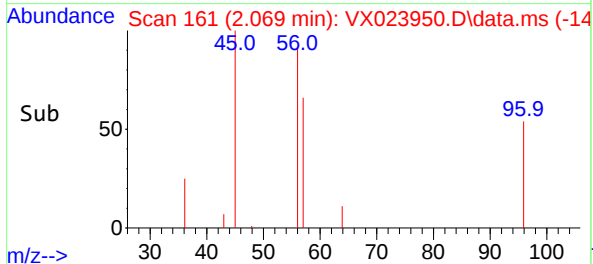
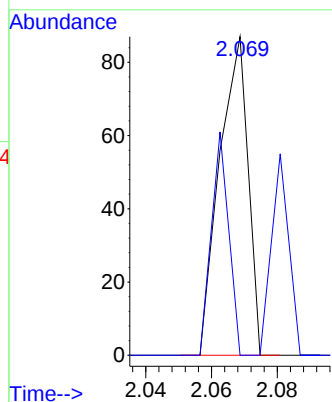
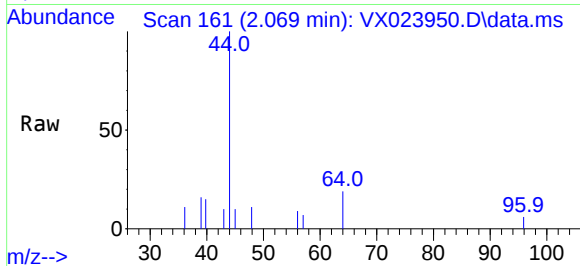




#13
Acrolein
Concen: 0.225 ug/l
RT: 2.069 min Scan# 161
Delta R.T. -0.176 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

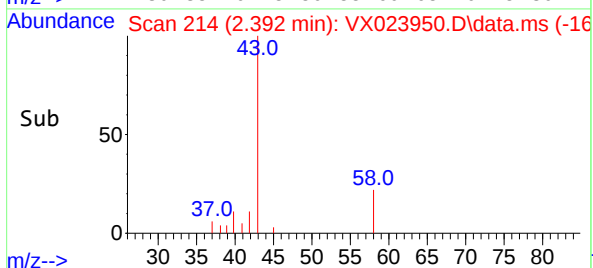
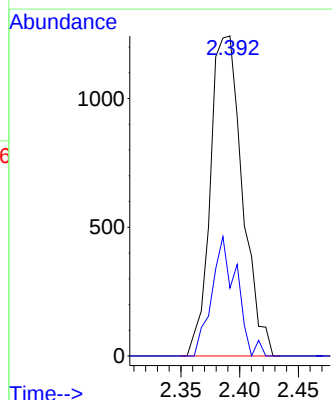
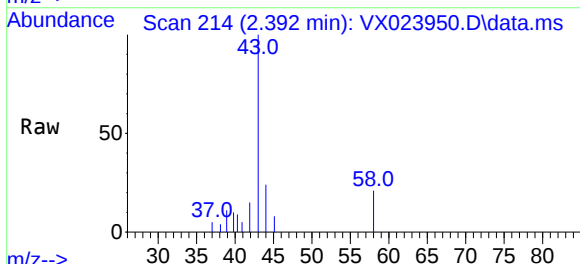
Instrument :
MSVOA_X
ClientSampled :

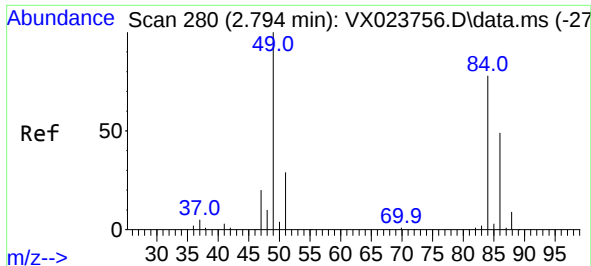
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 42.3 56.4 84.6#



#16
Acetone
Concen: 2.747 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 21.2 27.8 41.8#



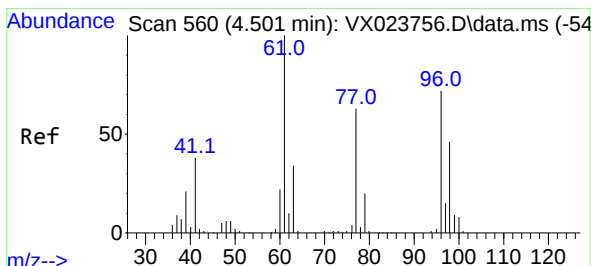
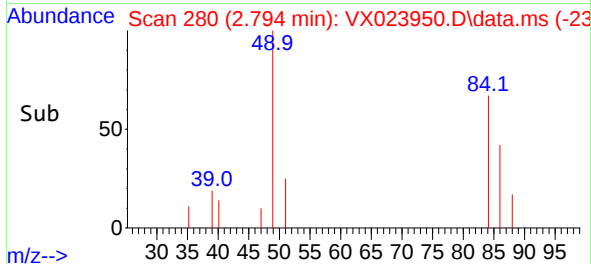
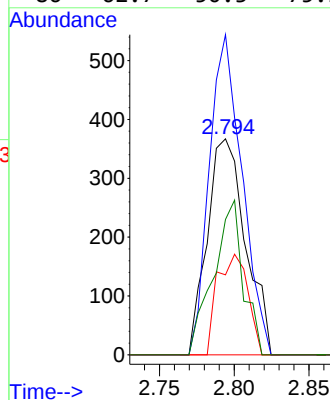
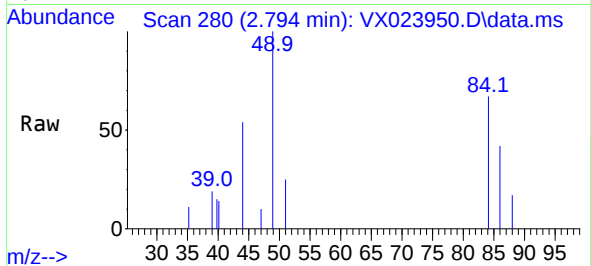


#20
Methylene Chloride
Concen: 0.399 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 655

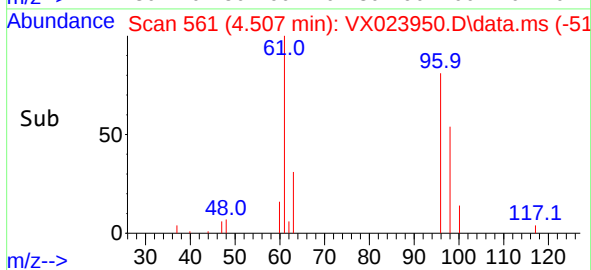
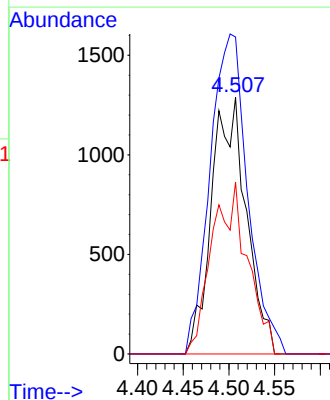
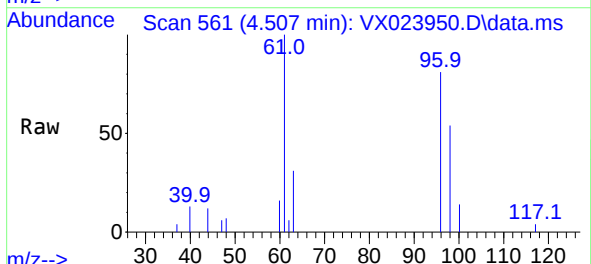
Ion	Ratio	Lower	Upper
84	100		
49	148.2	88.6	132.8#
51	37.1	27.0	40.6
86	62.7	50.3	75.5

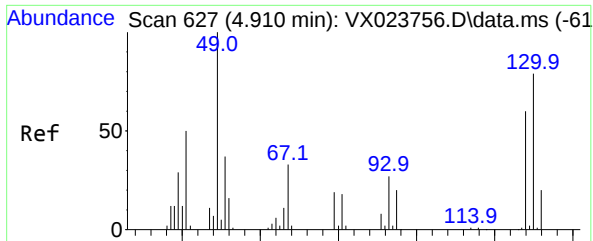


#27
cis-1,2-Dichloroethene
Concen: 2.018 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 96 Resp: 3391

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	285.6
98	68.9	0.0	129.6

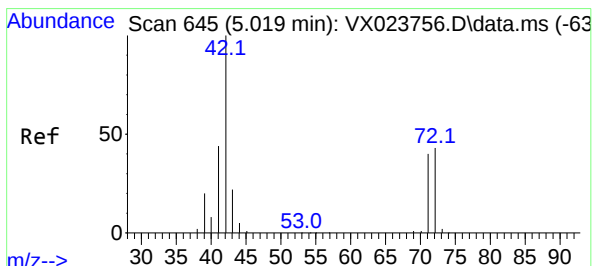
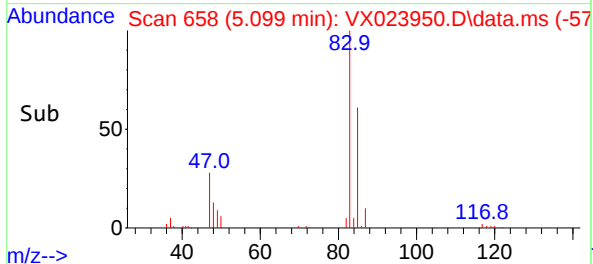
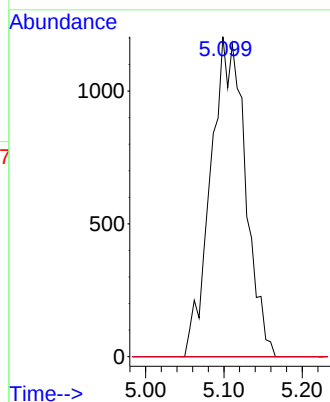
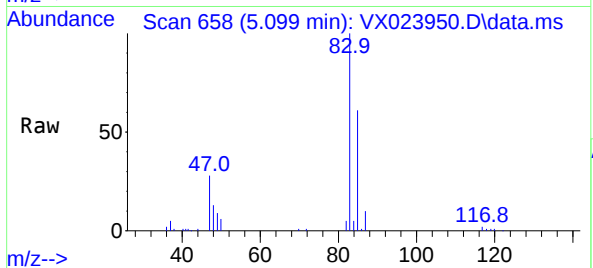




#28
Bromochloromethane
Concen: 3.016 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.189 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

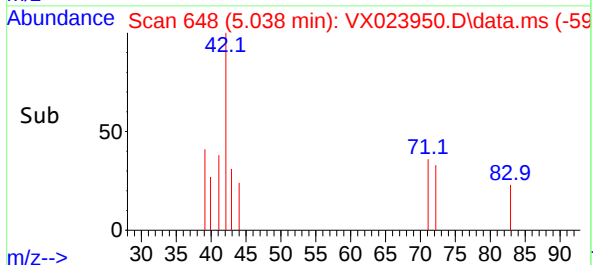
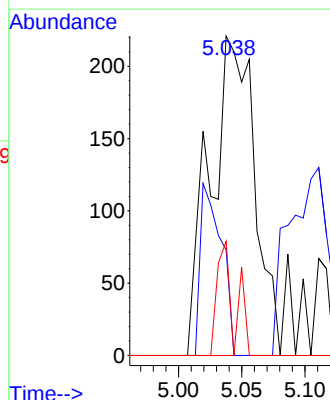
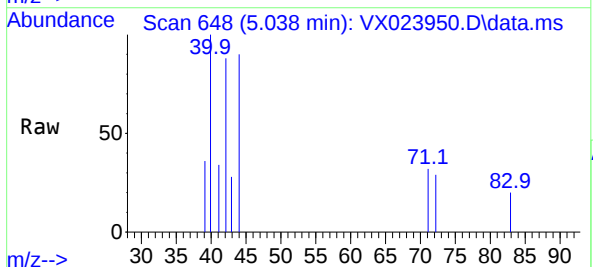
Instrument :
MSVOA_X
ClientSampled :

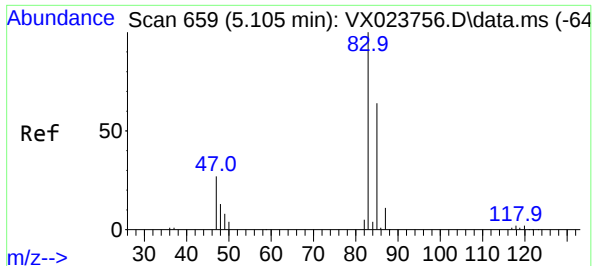
Tgt Ion: 49 Resp: 3704
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.640 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 25.7 41.7 62.5#
71 13.9 38.4 57.6#





#30

Chloroform

Concen: 14.908 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023950.D

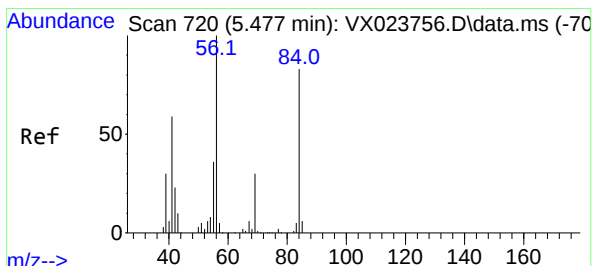
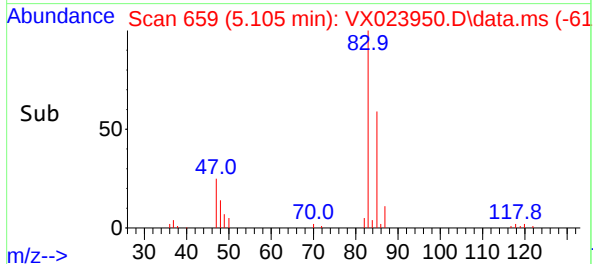
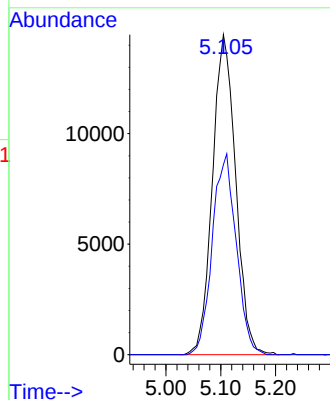
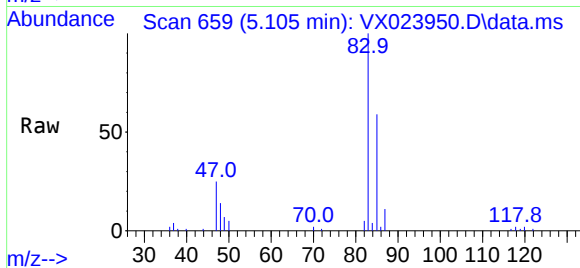
Acq: 25 Aug 2021 19:49

Tgt Ion: 83 Resp: 42634

Ion Ratio Lower Upper

83 100

85 59.3 52.0 78.0



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX023950.D

Acq: 25 Aug 2021 19:49

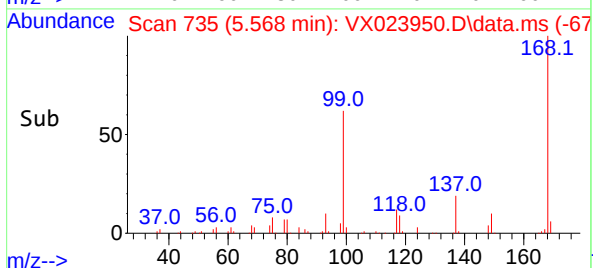
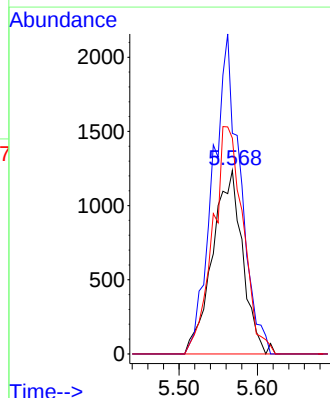
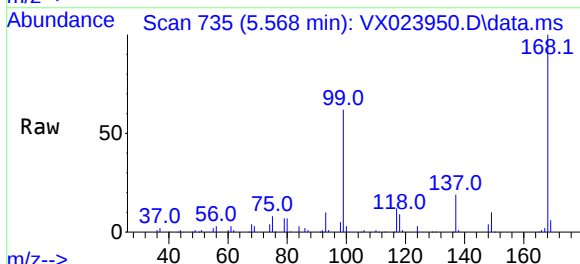
Tgt Ion: 56 Resp: 3309

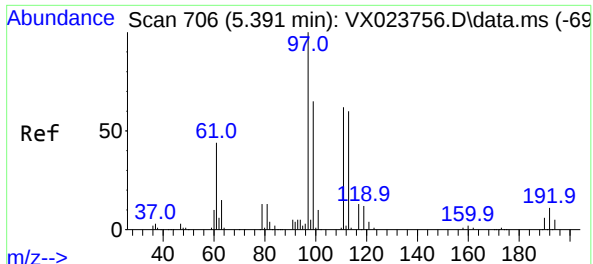
Ion Ratio Lower Upper

56 100

69 120.2 25.3 37.9#

84 117.6 71.4 107.0#



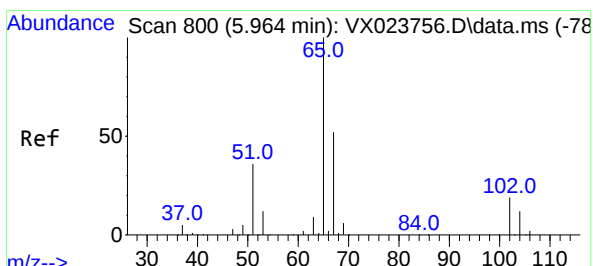
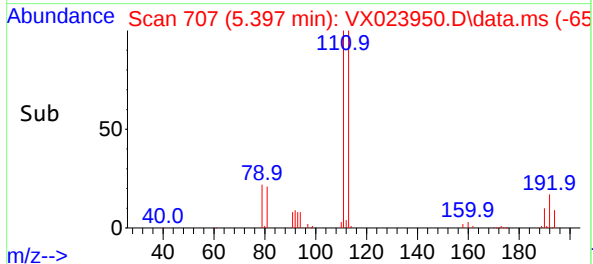
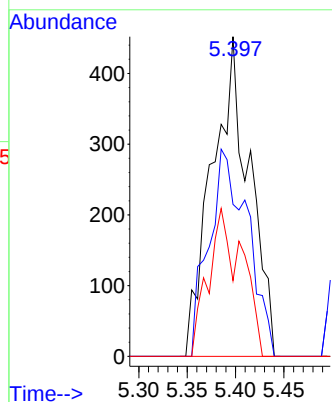
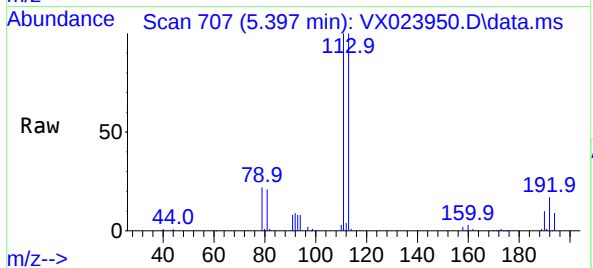


#32

1,1,1-Trichloroethane
Concen: 0.495 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Instrument :
MSVOA_X
ClientSampleId :

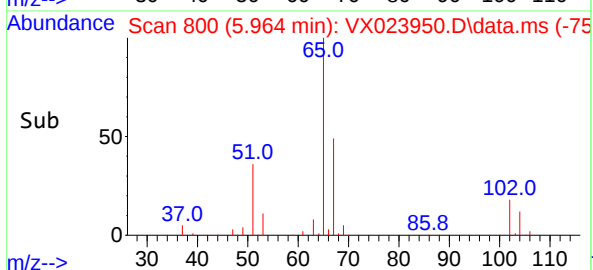
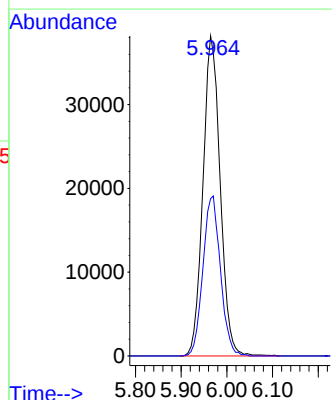
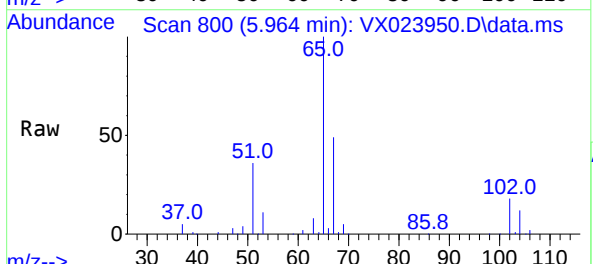
Tgt Ion: 97 Resp: 1212
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 27.6 34.2 51.4#

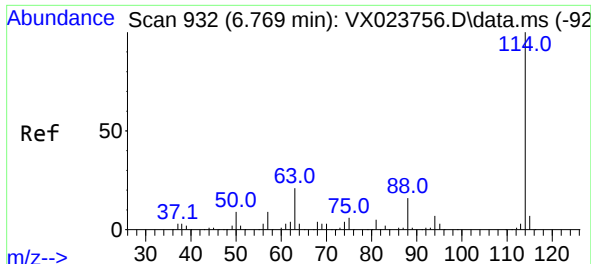


#33

1,2-Dichloroethane-d4
Concen: 51.932 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 65 Resp: 99855
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

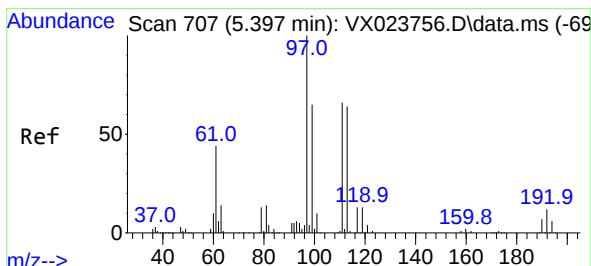
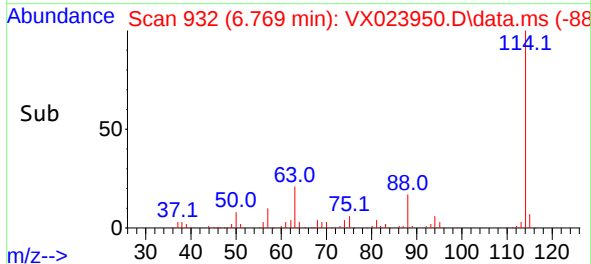
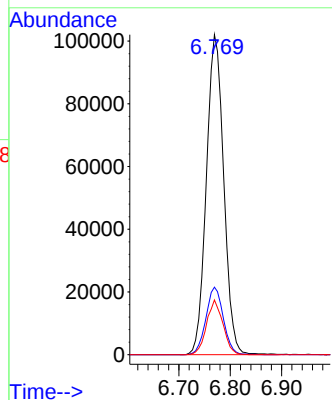
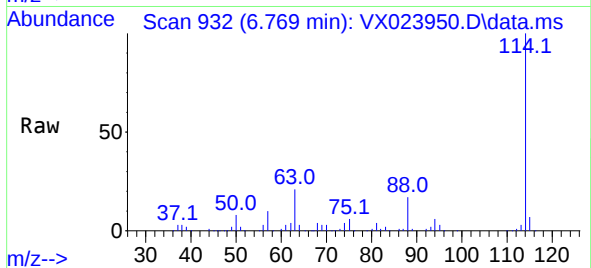




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

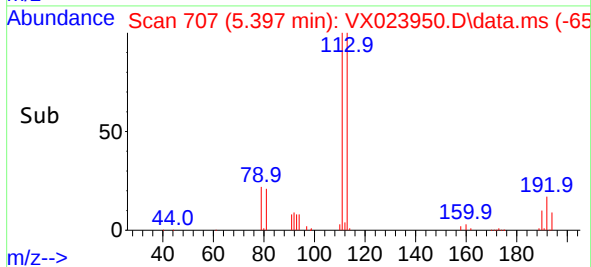
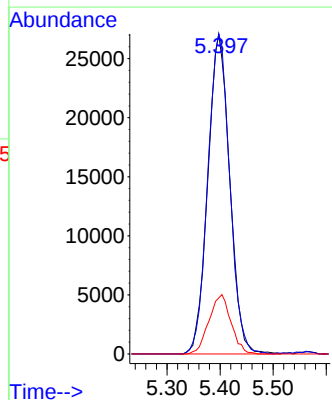
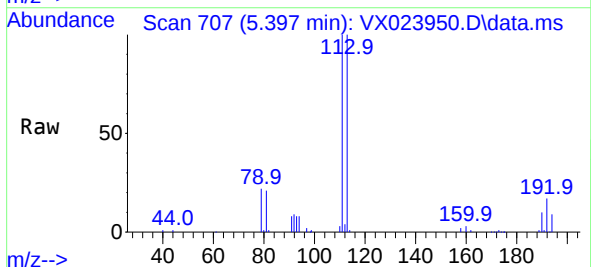
Instrument :
MSVOA_X
ClientSampled :

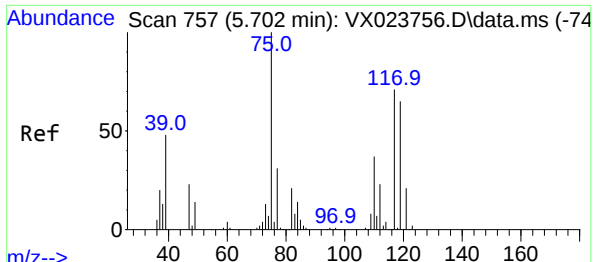
Tgt Ion:114 Resp: 239352
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.970 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion:113 Resp: 77578
Ion Ratio Lower Upper
113 100
111 100.2 81.9 122.9
192 18.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023950.D

Acq: 25 Aug 2021 19:49

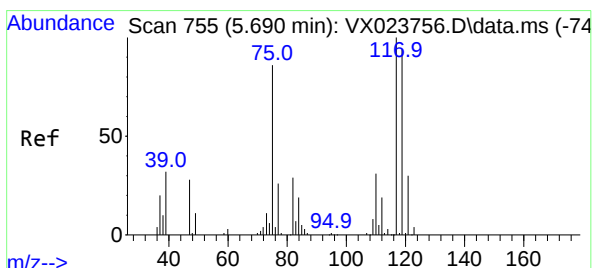
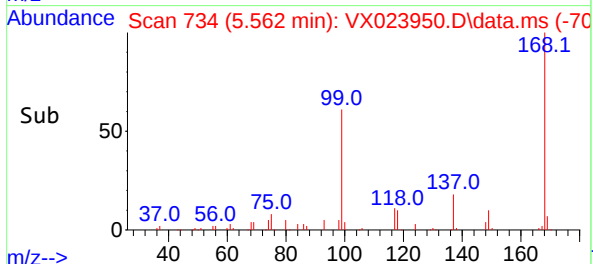
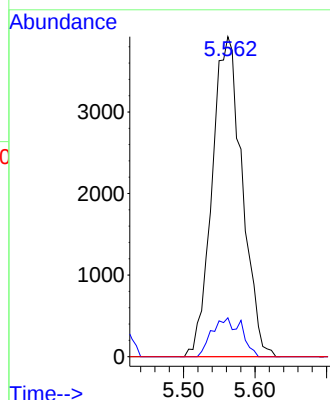
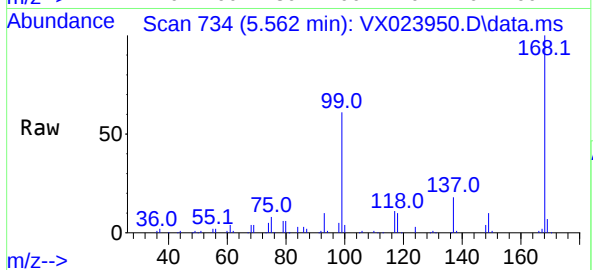
Tgt Ion: 75 Resp: 11450

Ion Ratio Lower Upper

75 100

110 11.8 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX023950.D

Acq: 25 Aug 2021 19:49

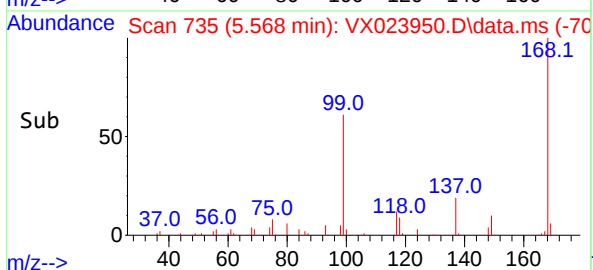
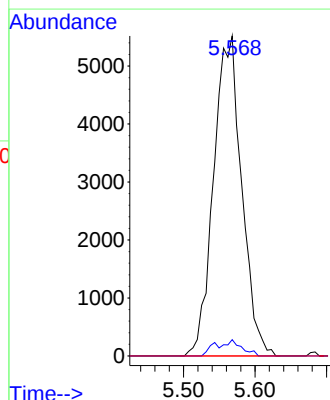
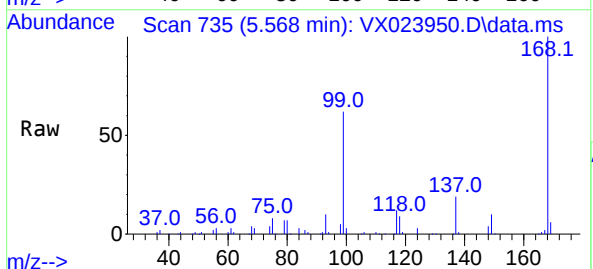
Tgt Ion: 117 Resp: 15061

Ion Ratio Lower Upper

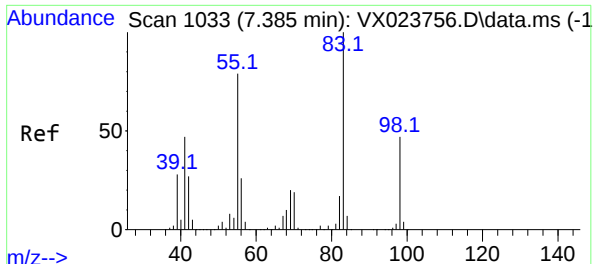
117 100

119 5.1 76.2 114.2#

121 0.0 24.8 37.2#



Instrument :
MSVOA_X
ClientSampleId :



#39

Methylcyclohexane

Concen: 0.355 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX023950.D

Acq: 25 Aug 2021 19:49

Tgt Ion: 83 Resp: 958

Ion Ratio Lower Upper

83 100

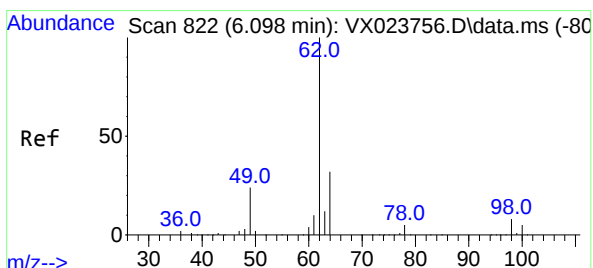
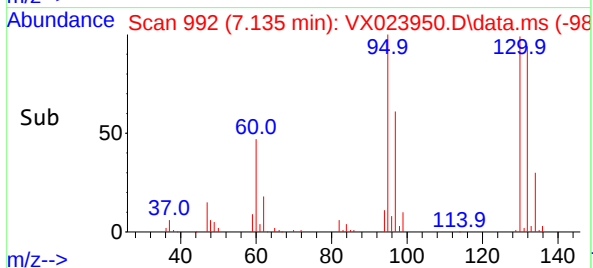
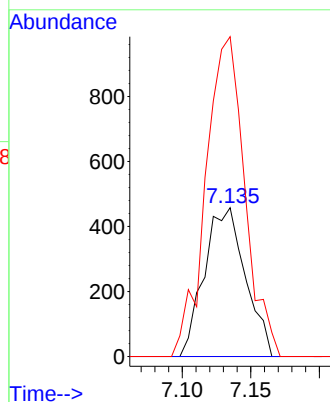
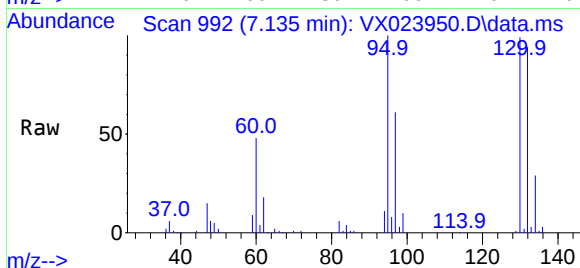
55 0.0 58.9 88.3#

98 214.8 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :



#42

1,2-Dichloroethane

Concen: 0.358 ug/l

RT: 6.111 min Scan# 824

Delta R.T. 0.013 min

Lab File: VX023950.D

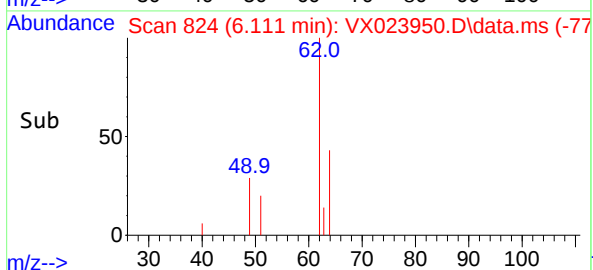
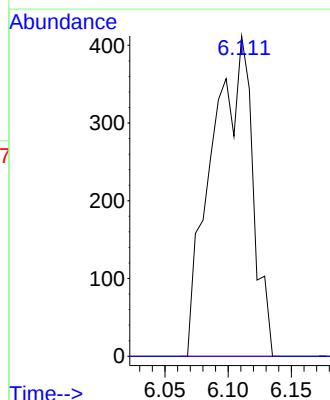
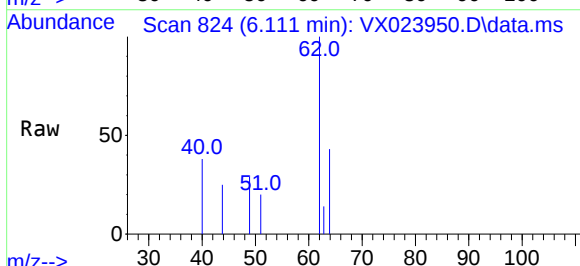
Acq: 25 Aug 2021 19:49

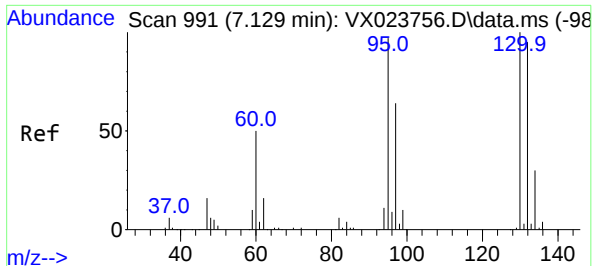
Tgt Ion: 62 Resp: 921

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

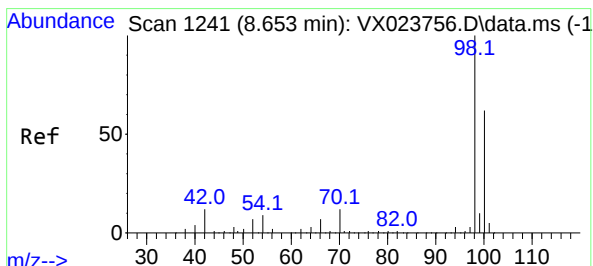
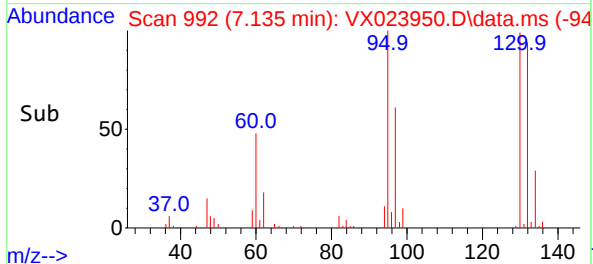
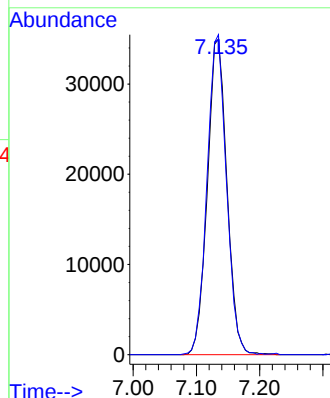
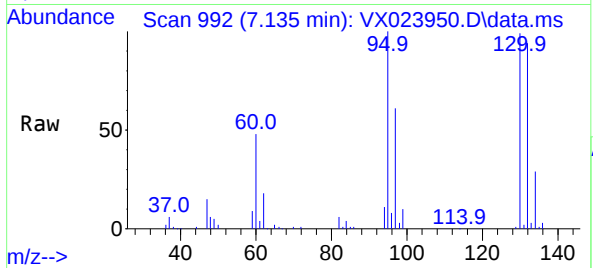




#44
Trichloroethene
Concen: 41.523 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

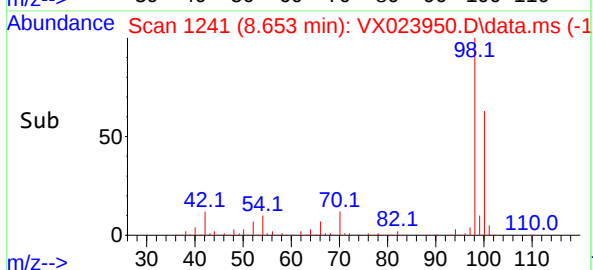
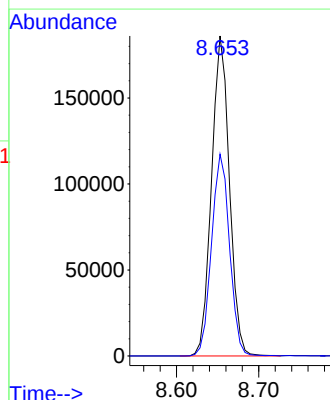
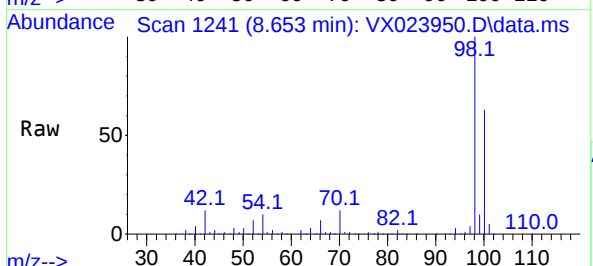
Instrument :
MSVOA_X
ClientSampled :

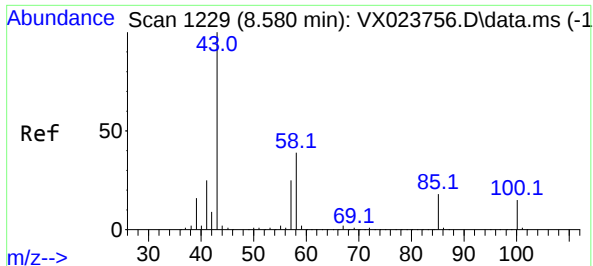
Tgt Ion:130 Resp: 75180
Ion Ratio Lower Upper
130 100
95 101.3 0.0 198.0



#50
Toluene-d8
Concen: 46.598 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 98 Resp: 280966
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

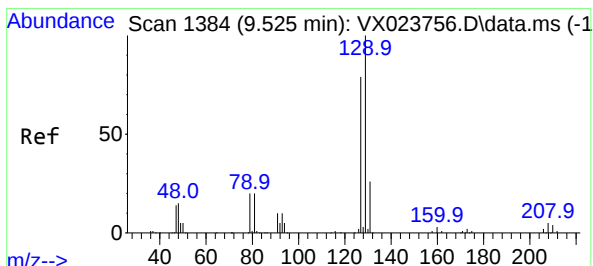
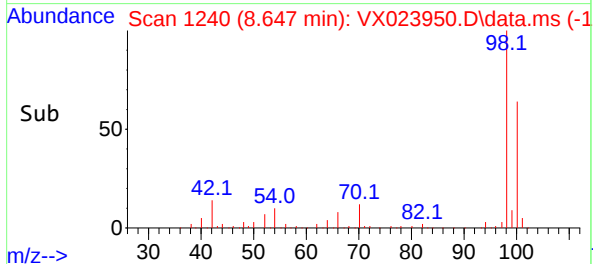
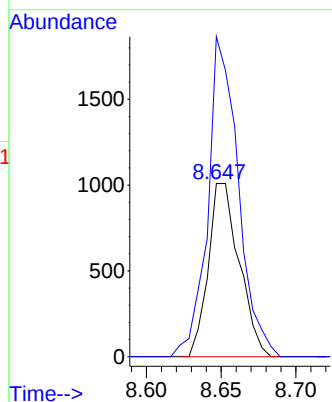
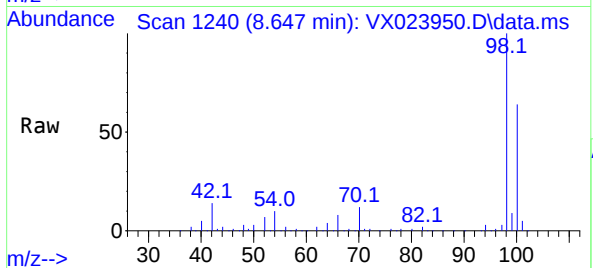




#51
4-Methyl-2-Pentanone
Concen: 0.527 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

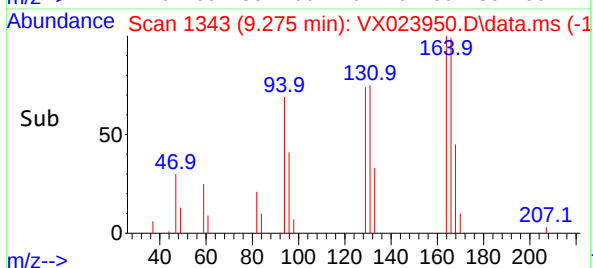
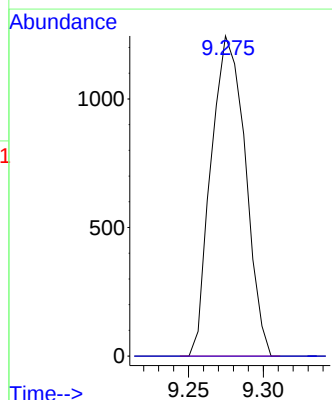
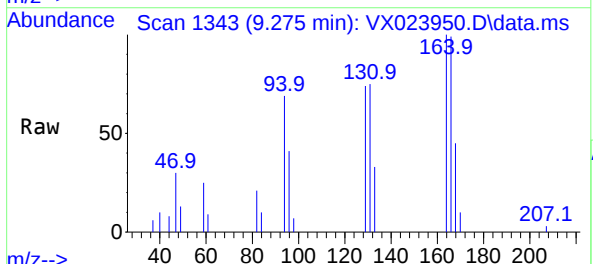
Instrument :
MSVOA_X
ClientSampleId :

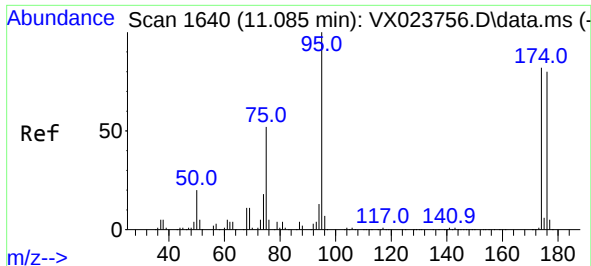
Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
58 181.8 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.679 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 129 Resp: 1980
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

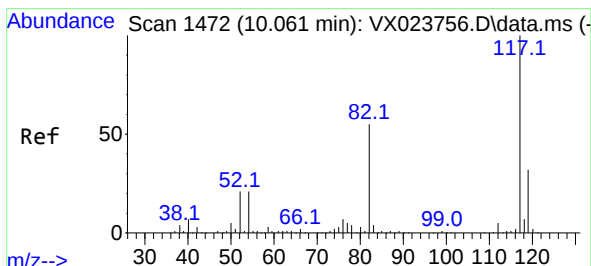
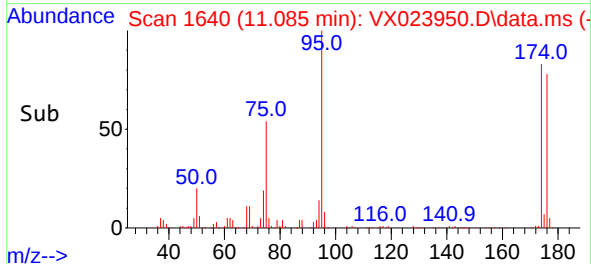
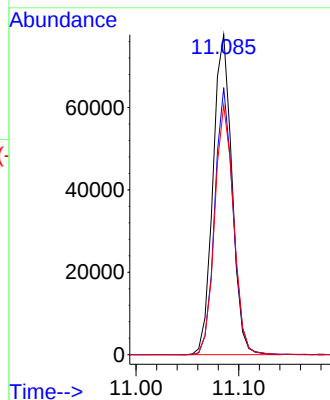
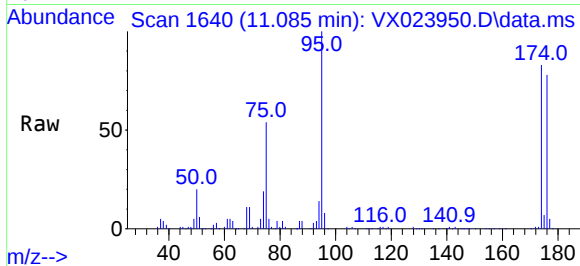




#62
4-Bromofluorobenzene
Concen: 44.852 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

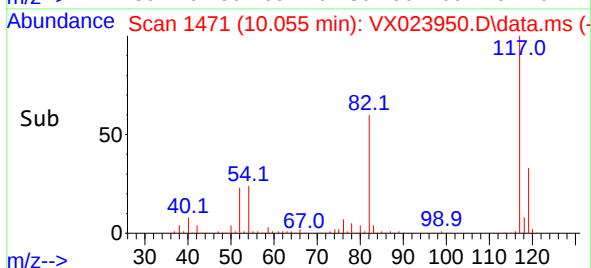
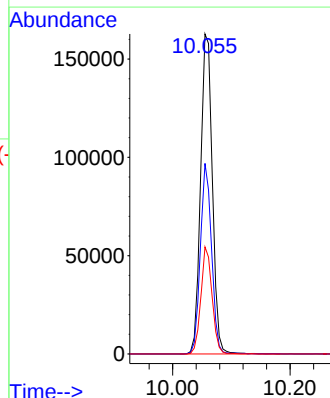
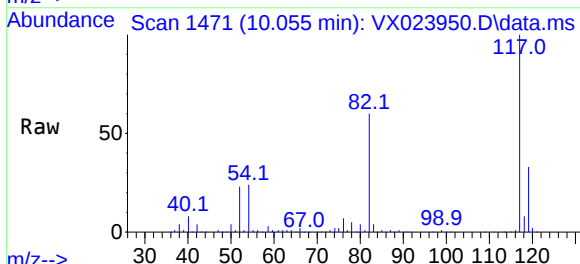
Instrument :
MSVOA_X
ClientSampled :

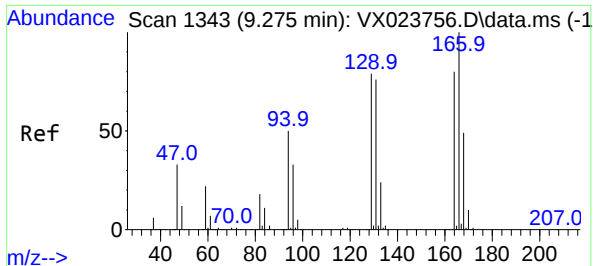
Tgt Ion: 95 Resp: 99557
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

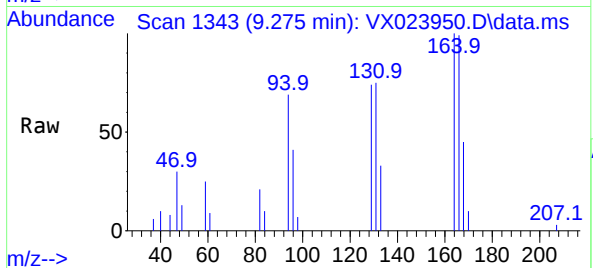
Tgt Ion: 117 Resp: 226391
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 33.4 26.6 39.8



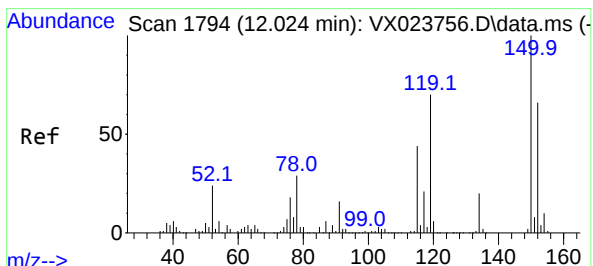
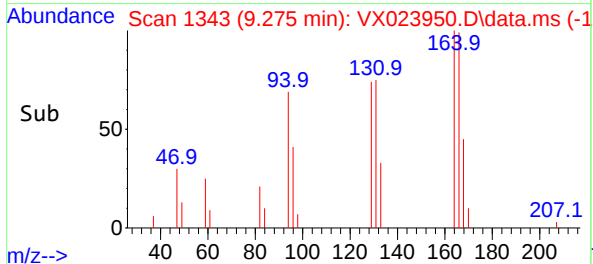
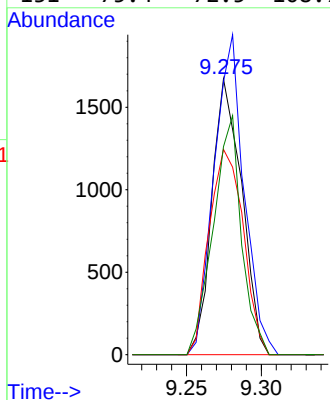


#64
Tetrachloroethene
Concen: 1.284 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Instrument :
MSVOA_X
ClientSampleId :

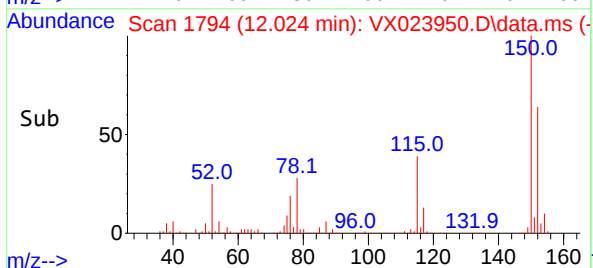
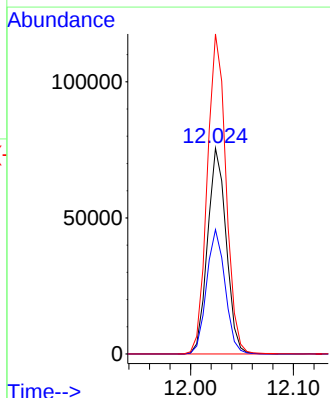
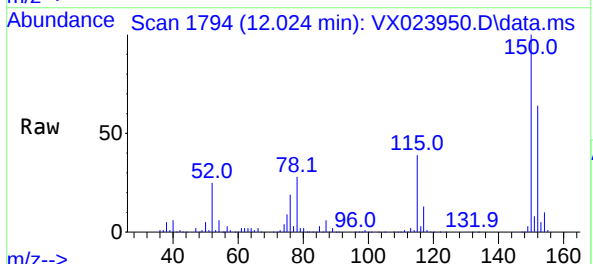


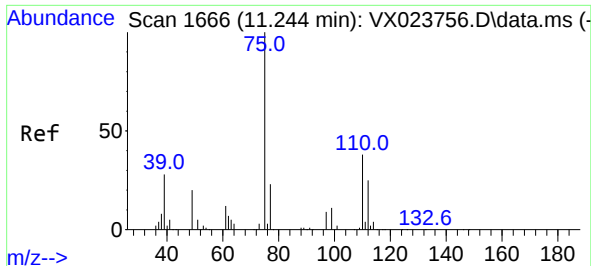
Tgt Ion:164 Resp: 2321
Ion Ratio Lower Upper
164 100
166 98.9 103.4 155.2#
129 74.5 70.8 106.2
131 75.4 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion:152 Resp: 95044
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 156.5 0.0 349.0

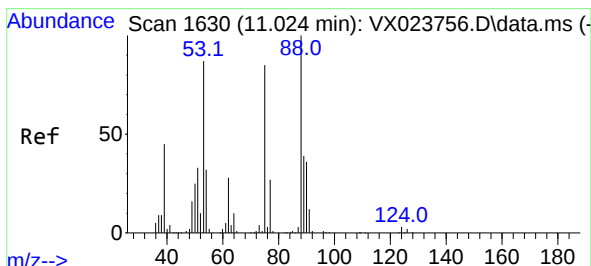
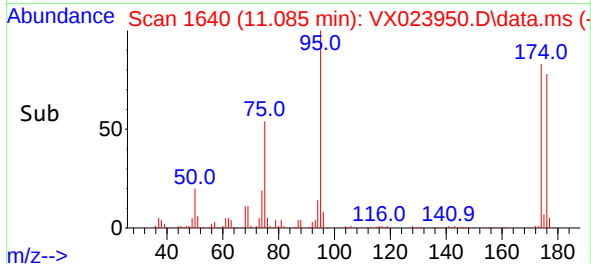
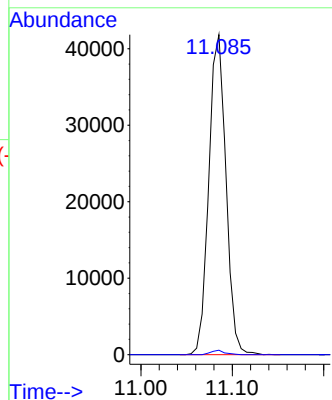
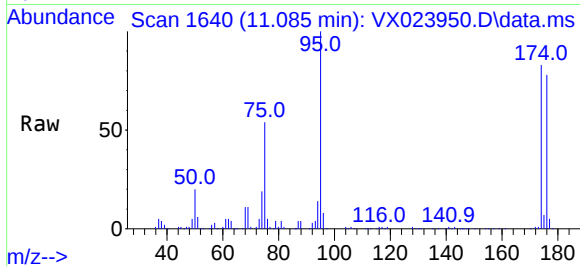




#76
1,2,3-Trichloropropane
Concen: 24.536 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54399
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.173 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023950.D
Acq: 25 Aug 2021 19:49

Tgt Ion: 75 Resp: 54399
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

