

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082421\
 Data File : VX023920.D
 Acq On : 24 Aug 2021 10:37
 Operator : JC/MD
 Sample : VX0824MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824MBL01

Quant Time: Aug 25 03:54:21 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)

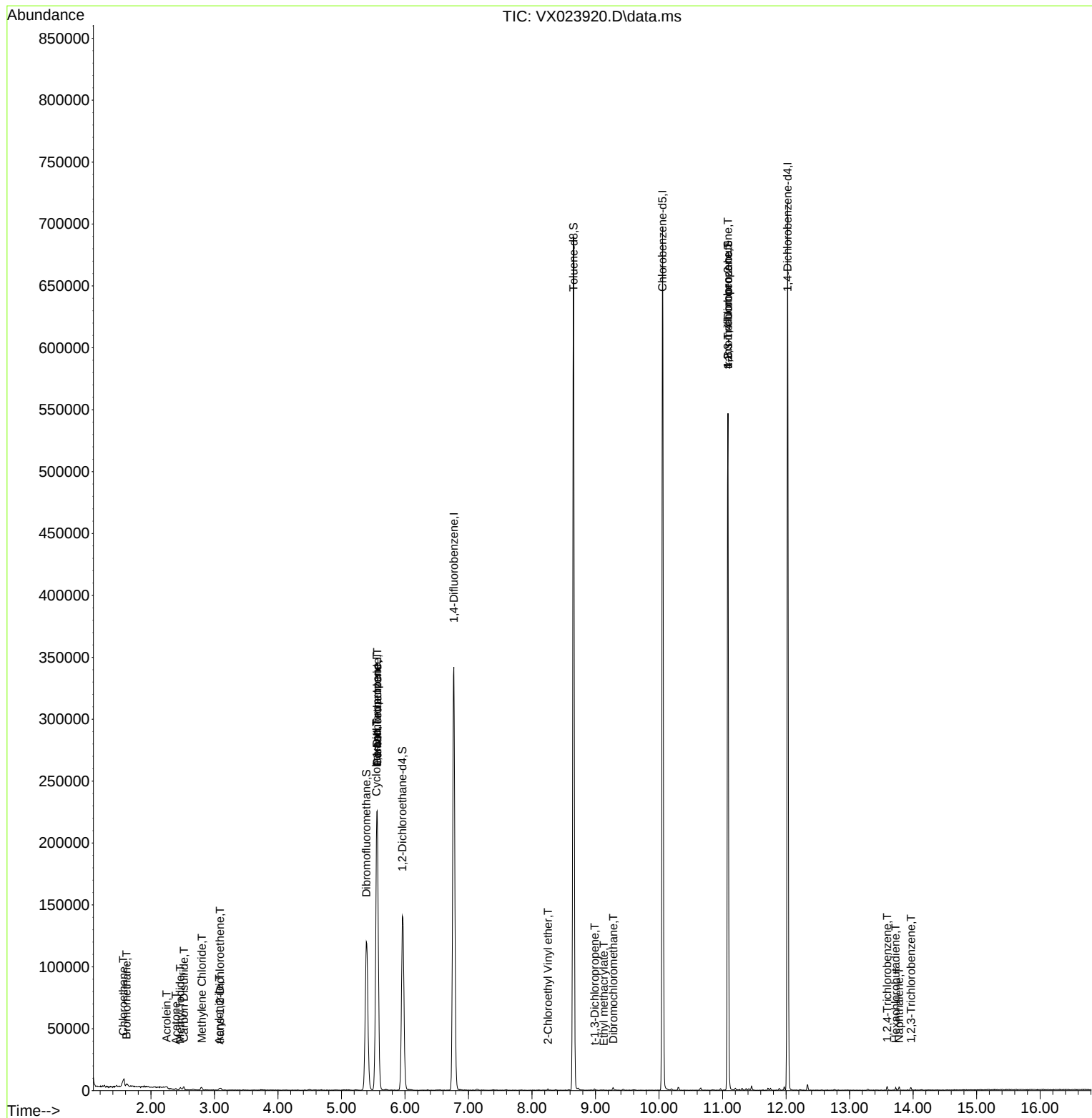
Internal Standards						
1) Pentafluorobenzene	5.562	168	212879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	338696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	304198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140561	47.309	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.620%
35) Dibromofluoromethane	5.391	113	105279	46.963	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.920%
50) Toluene-d8	8.653	98	385576	45.191	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.380%#
62) 4-Bromofluorobenzene	11.085	95	137561	43.796	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	1262	0.835	ug/l	98
6) Chloroethane	1.563	64	134	2.281	ug/l #	58
10) Methyl Iodide	2.459	142	2252	0.757	ug/l #	97
13) Acrolein	2.245	56	258	0.722	ug/l #	80
15) Acrylonitrile	3.075	53	674	0.503	ug/l	91
16) Acetone	2.392	43	653	0.492	ug/l	91
17) Carbon Disulfide	2.520	76	3104	0.637	ug/l #	91
20) Methylene Chloride	2.800	84	848	0.334	ug/l #	85
21) trans-1,2-Dichloroethene	3.087	96	482	0.221	ug/l #	65
31) Cyclohexane	5.550	56	5176	1.356	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	17218	5.489	ug/l #	50
38) Carbon Tetrachloride	5.562	117	22104	6.758	ug/l #	16
53) t-1,3-Dichloropropene	8.988	75	353	2.221	ug/l #	65
56) Ethyl methacrylate	9.128	69	83	0.779	ug/l #	68
58) 2-Chloroethyl Vinyl ether	8.250	63	400	0.201	ug/l #	75
60) Dibromochloromethane	9.281	129	259	1.780	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	73944	23.677	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	73944	69.646	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	819	0.309	ug/l	95
94) Hexachlorobutadiene	13.725	225	356	0.301	ug/l	86
95) Naphthalene	13.780	128	1794	1.461	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	669	0.253	ug/l	93

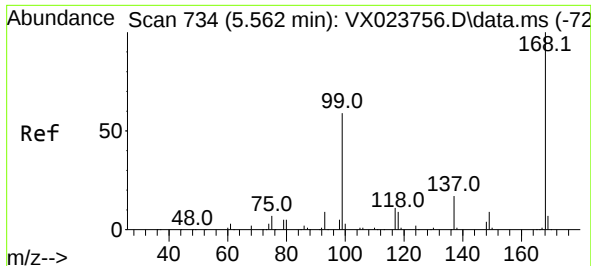
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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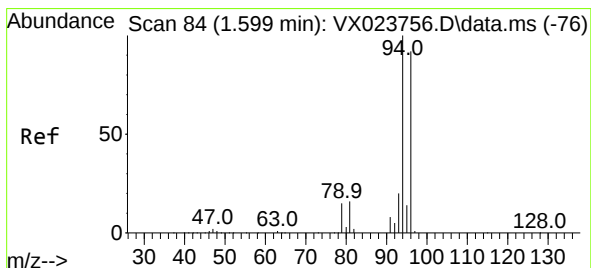
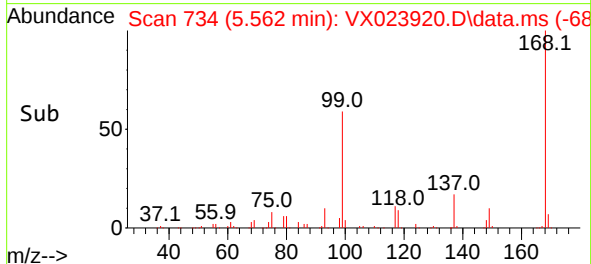
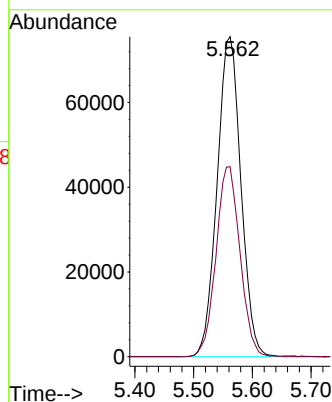
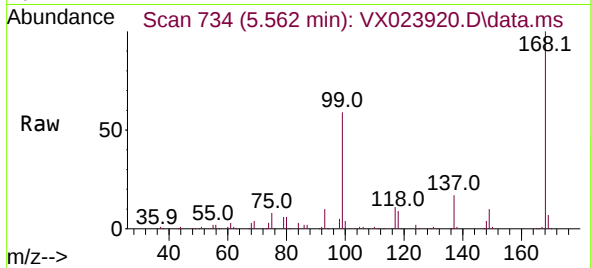




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

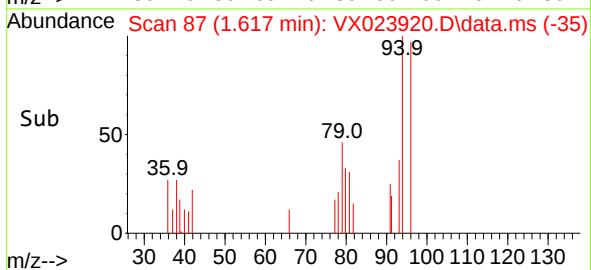
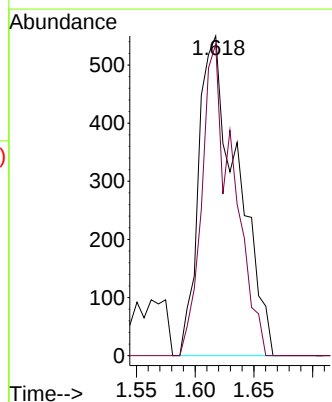
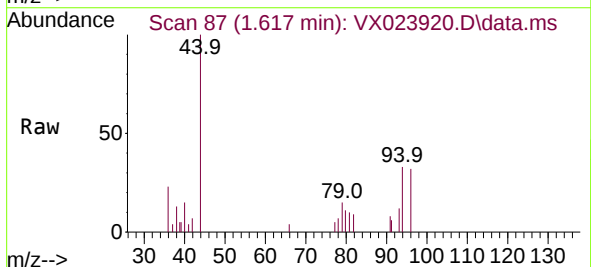
Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01

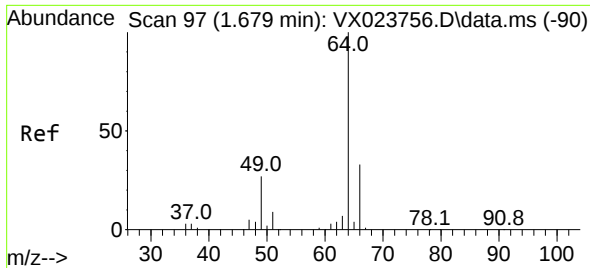
Tgt Ion:168 Resp: 212879
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#5
Bromomethane
Concen: 0.835 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 94 Resp: 1262
Ion Ratio Lower Upper
94 100
96 97.5 76.4 114.6

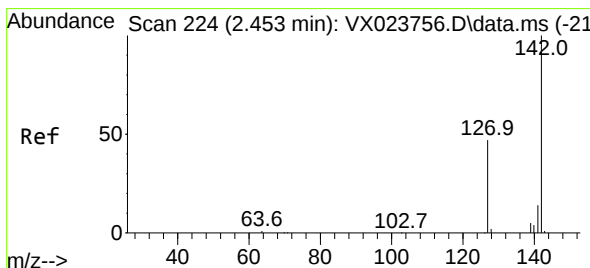
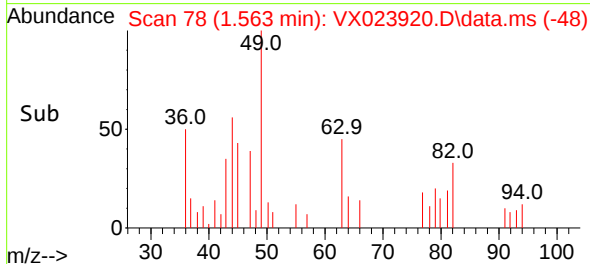
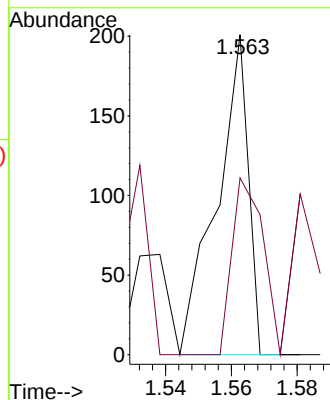
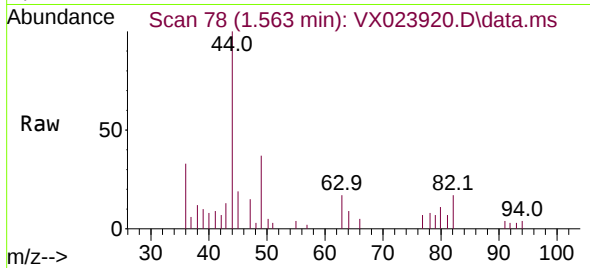




#6
Chloroethane
Concen: 2.281 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.116 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

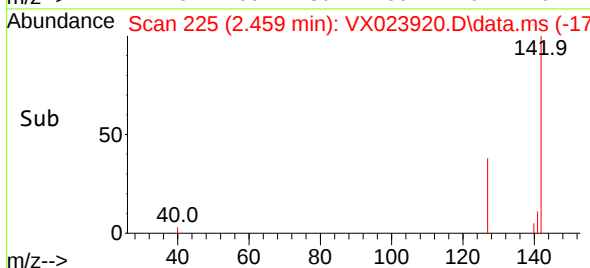
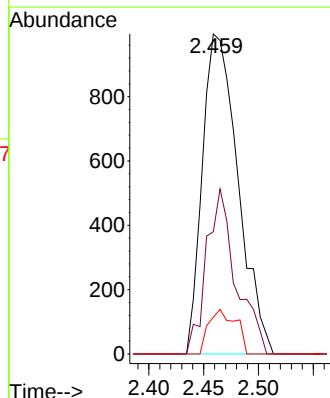
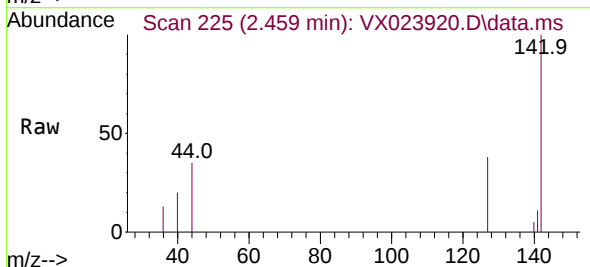
Instrument :
MSVOA_X
ClientSampleId :
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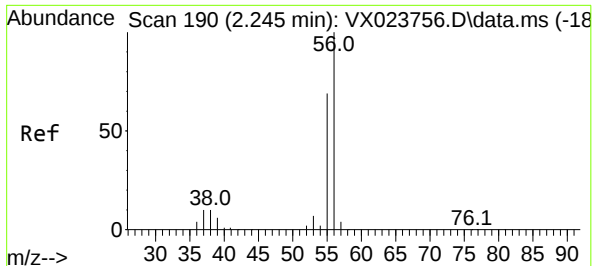
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 55.2 25.4 38.0#



#10
Methyl Iodide
Concen: 0.757 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion:142 Resp: 2252
Ion Ratio Lower Upper
142 100
127 42.5 33.3 49.9
141 10.6 11.4 17.0#

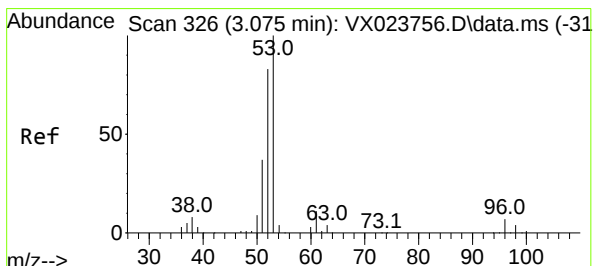
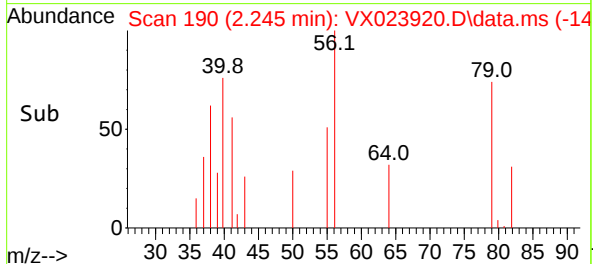
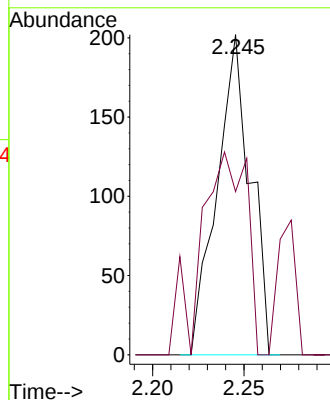
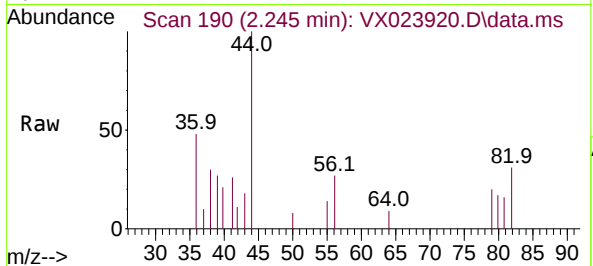




#13
Acrolein
Concen: 0.722 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

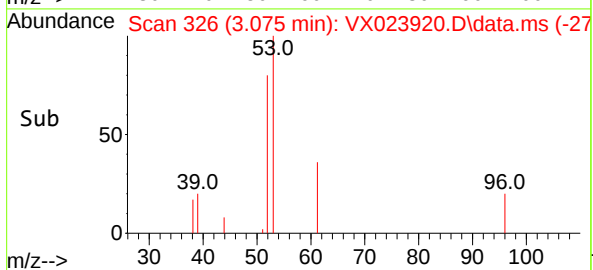
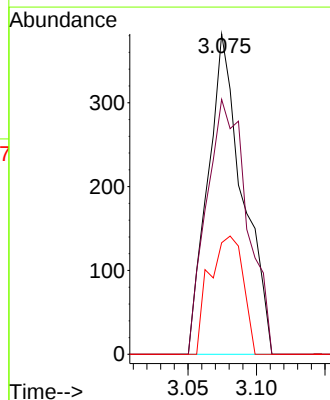
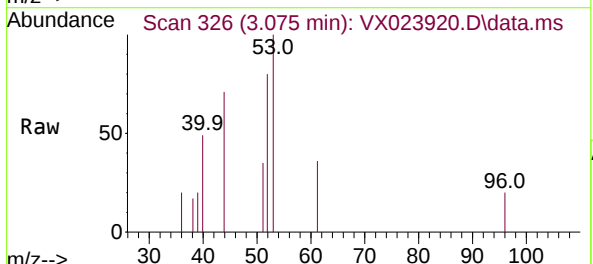
Instrument :
MSVOA_X
ClientSampled :
VX0824MBL01

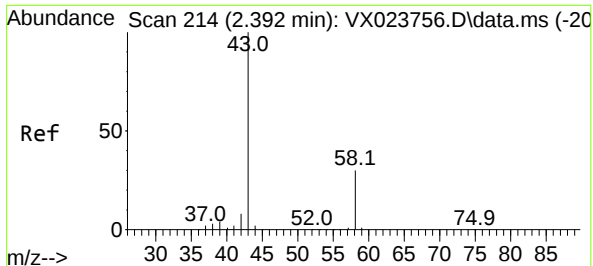
Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 86.8 56.4 84.6#



#15
Acrylonitrile
Concen: 0.503 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 53 Resp: 674
Ion Ratio Lower Upper
53 100
52 93.0 65.3 97.9
51 35.8 28.2 42.2

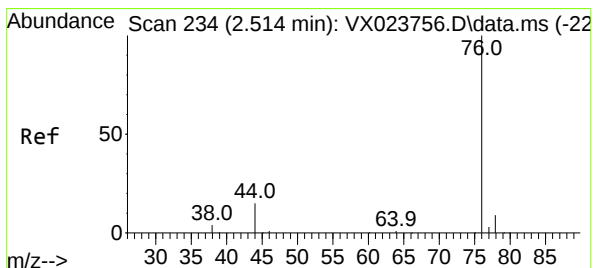
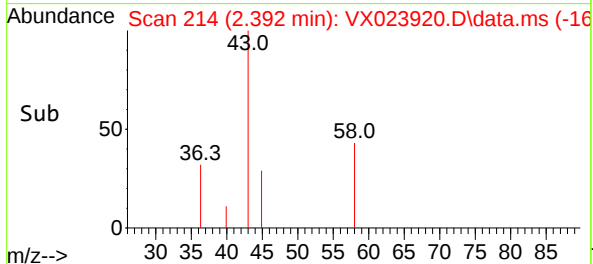
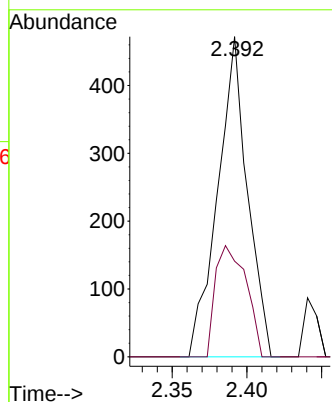
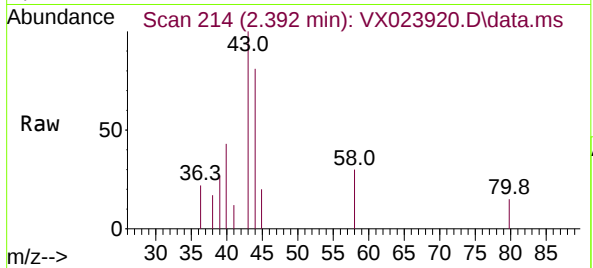




#16
Acetone
Concen: 0.492 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

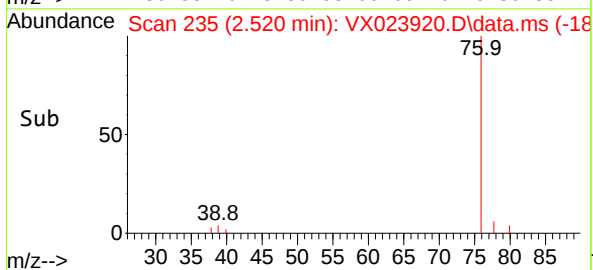
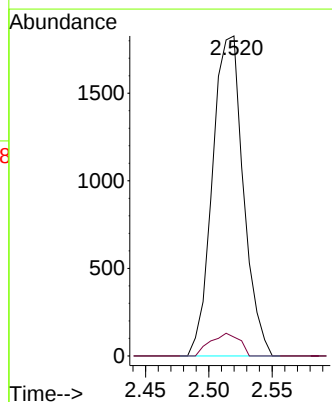
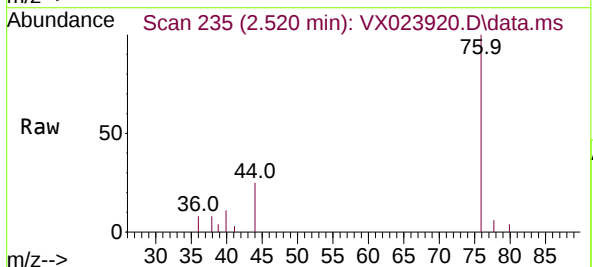
Instrument :
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ClientSampled :
VX0824MBL01

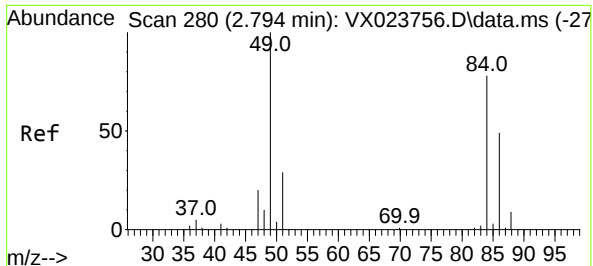
Tgt Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.637 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 76 Resp: 3104
Ion Ratio Lower Upper
76 100
78 5.9 7.2 10.8#





#20

Methylene Chloride

Concen: 0.334 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX023920.D

Acq: 24 Aug 2021 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0824MBL01

Tgt Ion: 84 Resp: 848

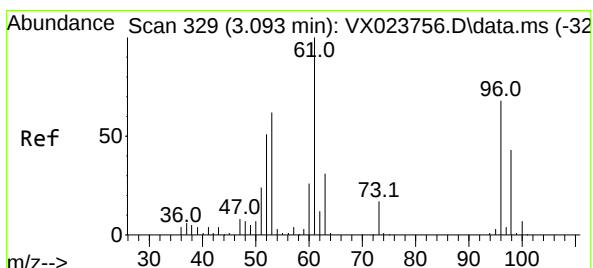
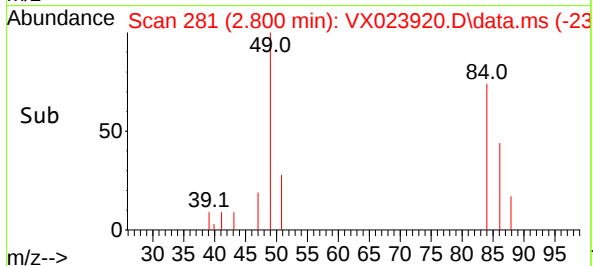
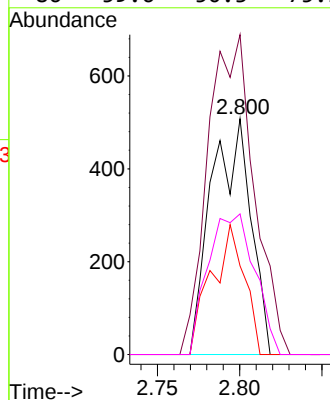
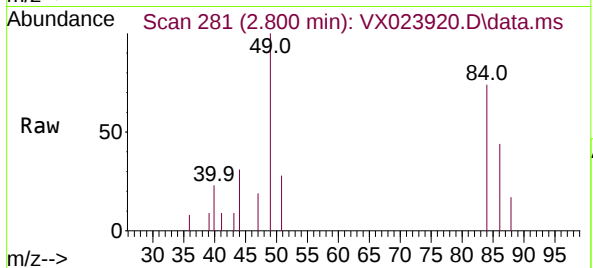
Ion Ratio Lower Upper

84 100

49 135.6 88.6 132.8#

51 37.6 27.0 40.6

86 59.6 50.3 75.5



#21

trans-1,2-Dichloroethene

Concen: 0.221 ug/l

RT: 3.087 min Scan# 328

Delta R.T. -0.006 min

Lab File: VX023920.D

Acq: 24 Aug 2021 10:37

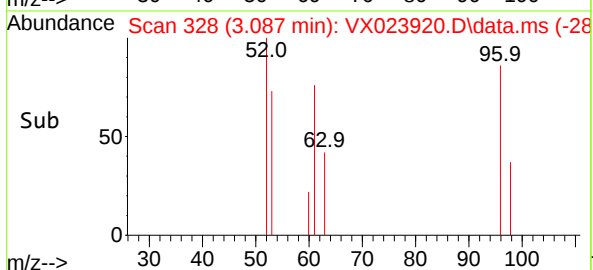
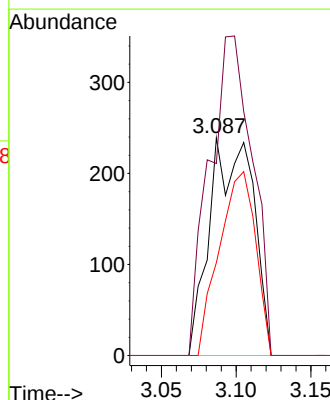
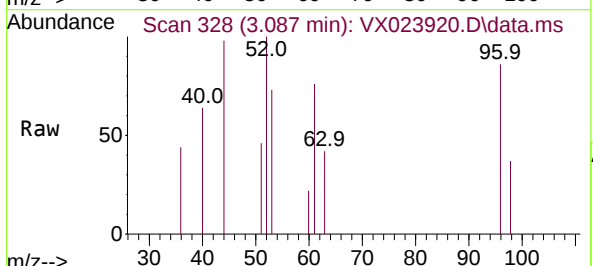
Tgt Ion: 96 Resp: 482

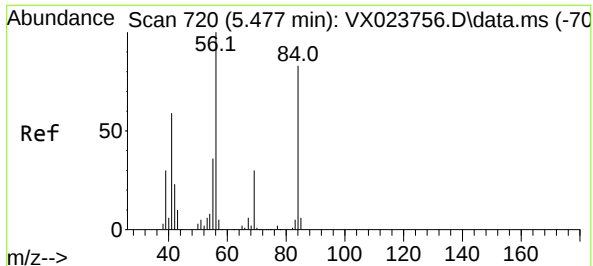
Ion Ratio Lower Upper

96 100

61 88.3 107.7 161.5#

98 42.7 50.4 75.6#

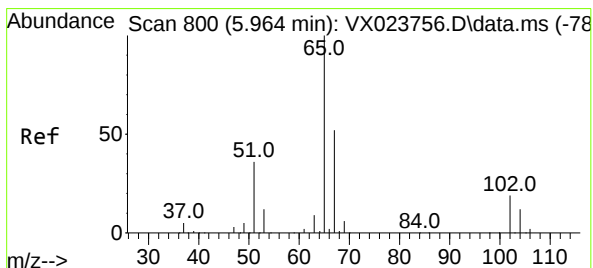
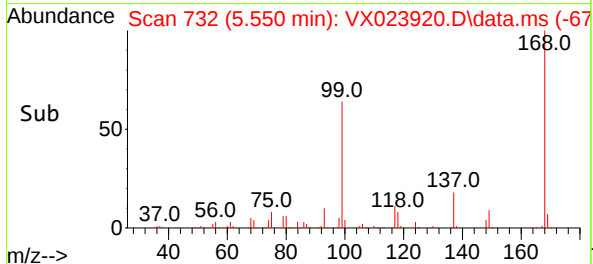
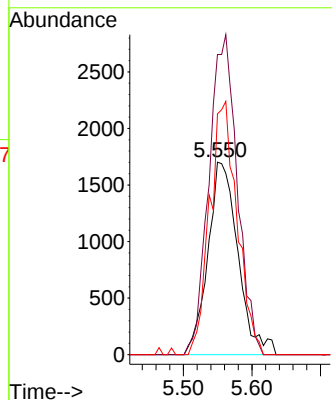
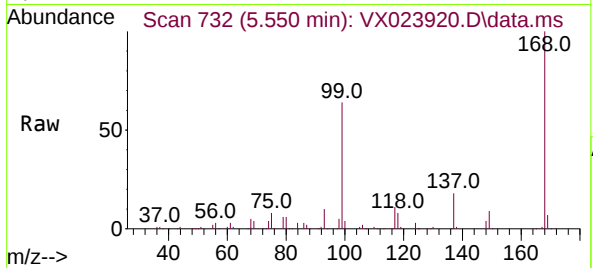




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

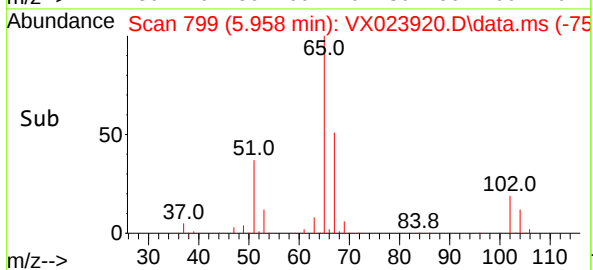
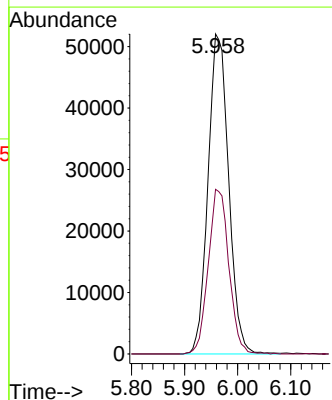
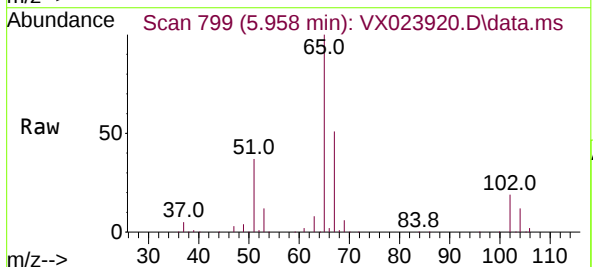
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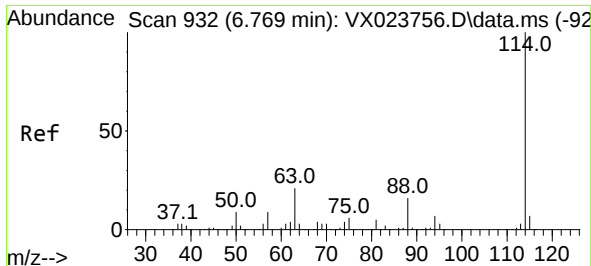
Tgt Ion: 56 Resp: 5176
Ion Ratio Lower Upper
56 100
69 155.9 25.3 37.9#
84 125.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.309 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 65 Resp: 140561
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

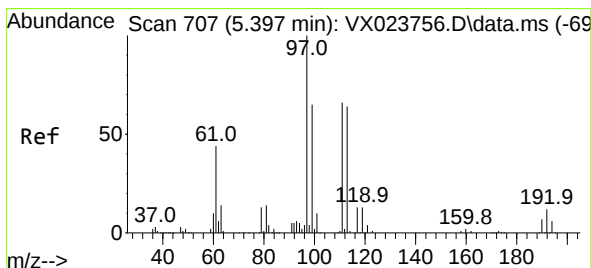
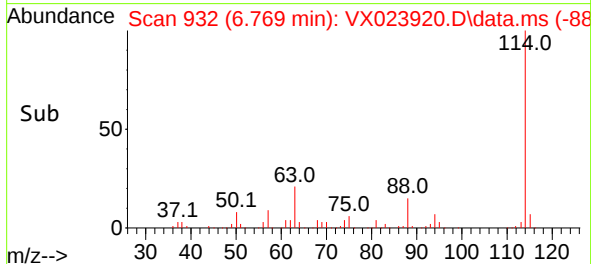
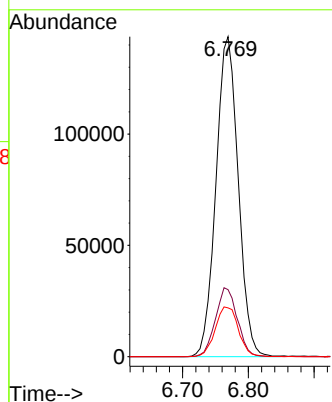
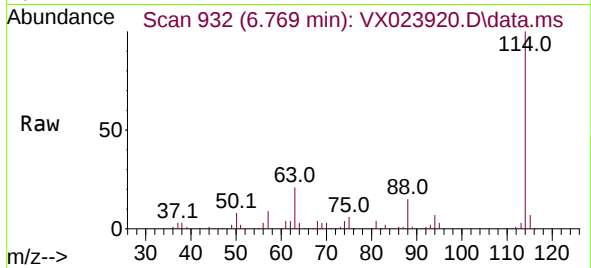




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

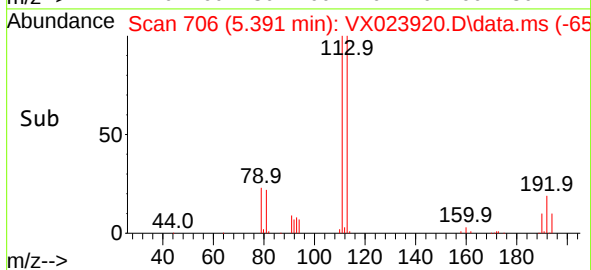
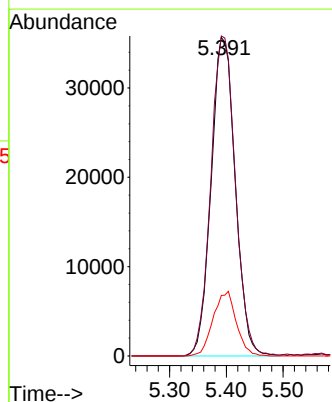
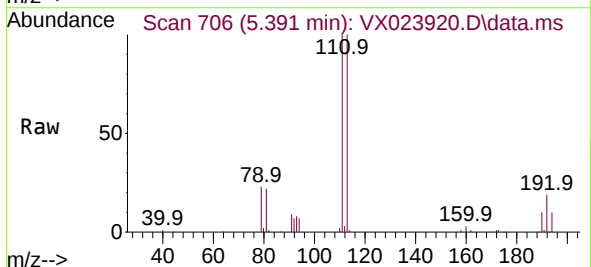
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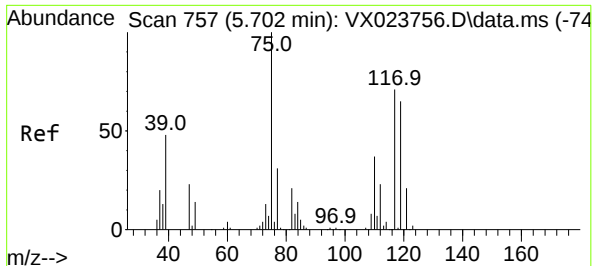
Tgt Ion:114 Resp: 338696
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.963 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion:113 Resp: 105279
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.489 ug/l

RT: 5.556 min Scan# 733

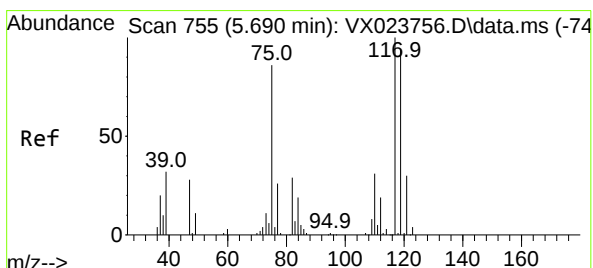
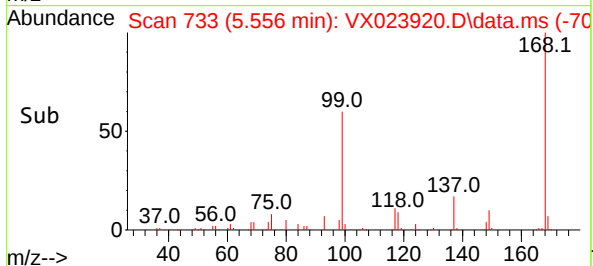
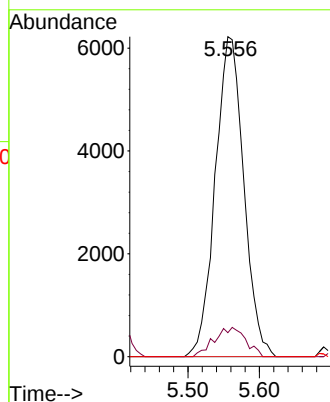
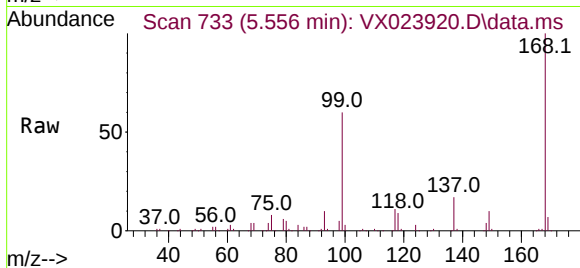
Delta R.T. -0.146 min

Lab File: VX023920.D

Acq: 24 Aug 2021 10:37

Tgt Ion:	75	Resp:	17218
Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01



#38

Carbon Tetrachloride

Concen: 6.758 ug/l

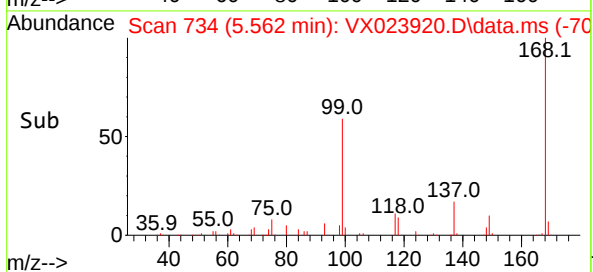
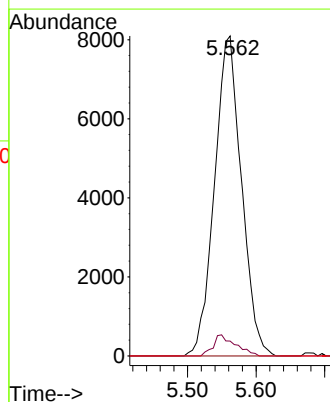
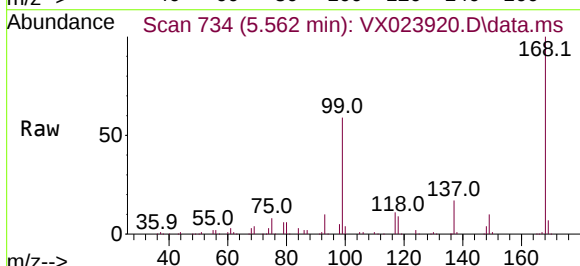
RT: 5.562 min Scan# 734

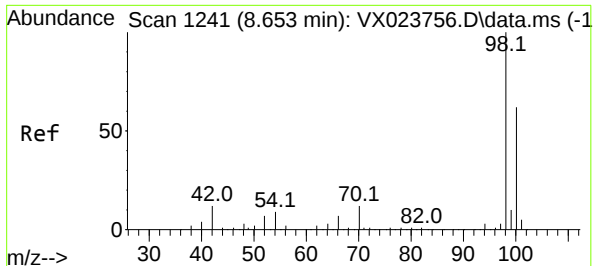
Delta R.T. -0.128 min

Lab File: VX023920.D

Acq: 24 Aug 2021 10:37

Tgt Ion:	117	Resp:	22104
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.8	37.2#

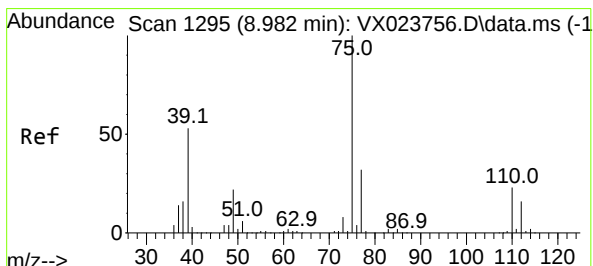
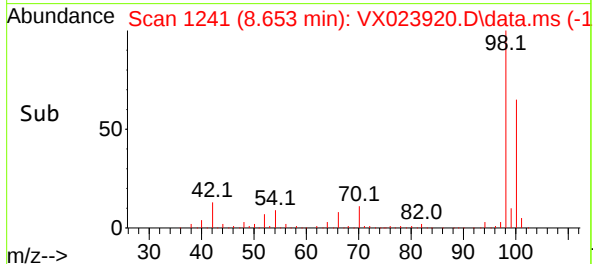
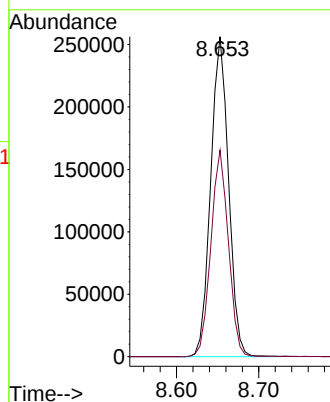
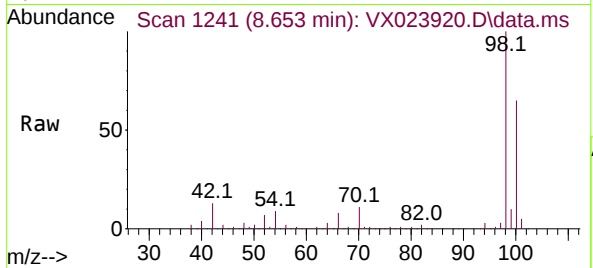




#50
Toluene-d8
Concen: 45.191 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

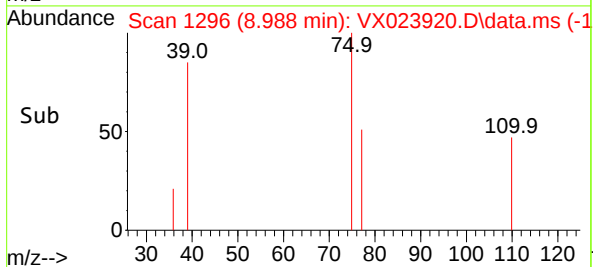
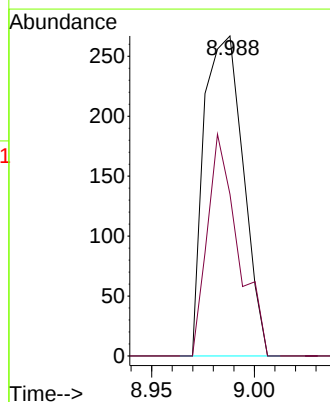
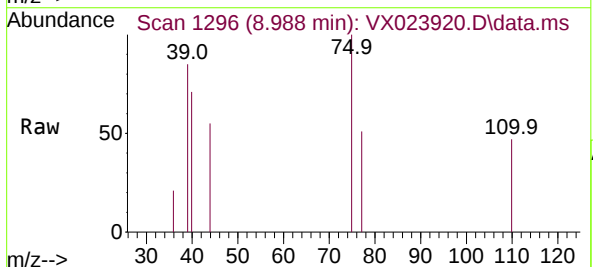
Instrument :
MSVOA_X
ClientSampled :
VX0824MBL01

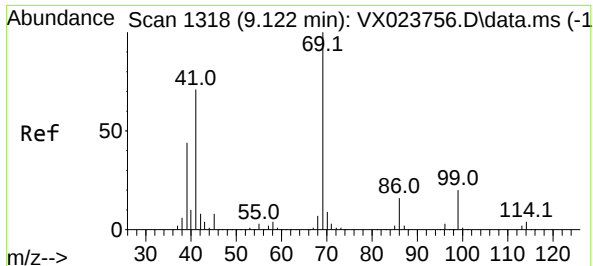
Tgt Ion: 98 Resp: 385576
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.221 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 75 Resp: 353
Ion Ratio Lower Upper
75 100
77 50.6 24.9 37.3#





#56

Ethyl methacrylate

Concen: 0.779 ug/l

RT: 9.128 min Scan# 1319

Delta R.T. 0.006 min

Lab File: VX023920.D

Acq: 24 Aug 2021 10:37

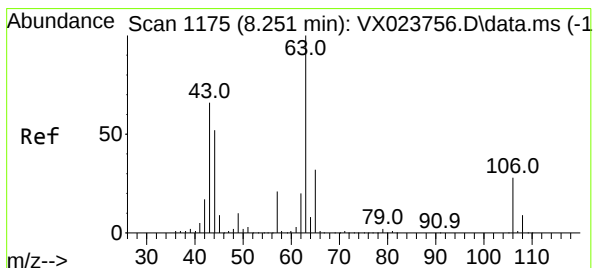
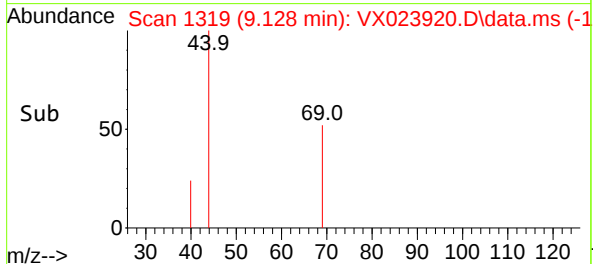
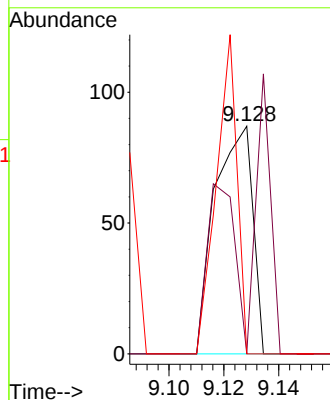
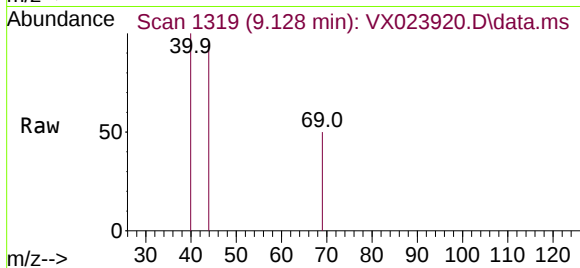
Tgt Ion: 69 Resp: 83

Ion Ratio Lower Upper

69 100

41 55.4 46.8 70.2

39 77.1 24.7 37.1#



#58

2-Chloroethyl Vinyl ether

Concen: 0.201 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. -0.001 min

Lab File: VX023920.D

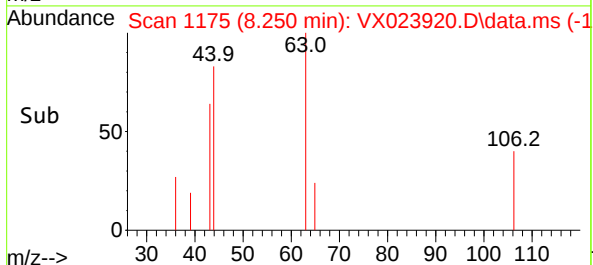
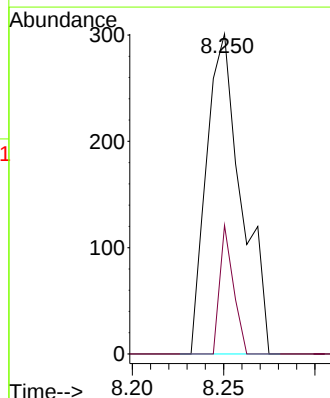
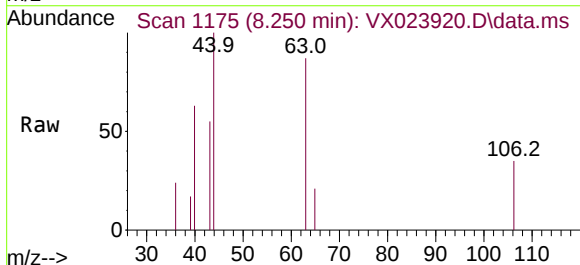
Acq: 24 Aug 2021 10:37

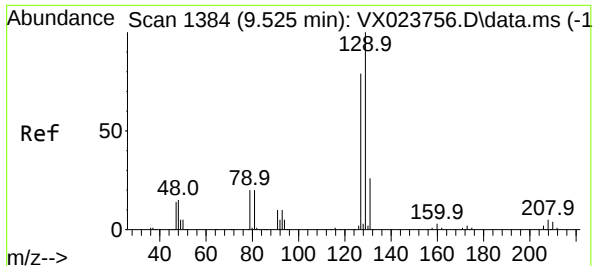
Tgt Ion: 63 Resp: 400

Ion Ratio Lower Upper

63 100

106 15.8 23.5 35.3#

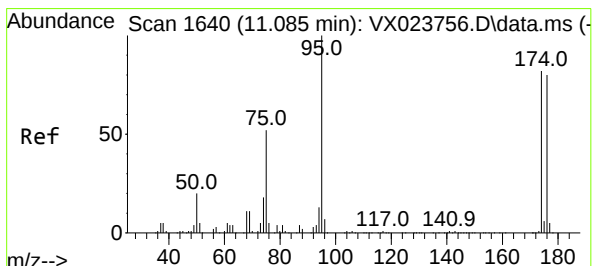
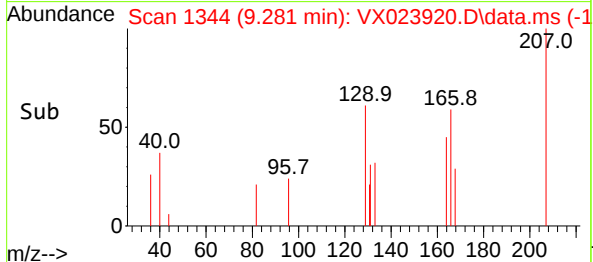
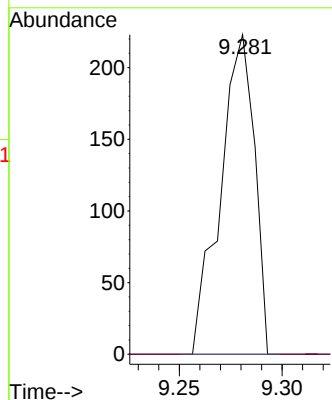
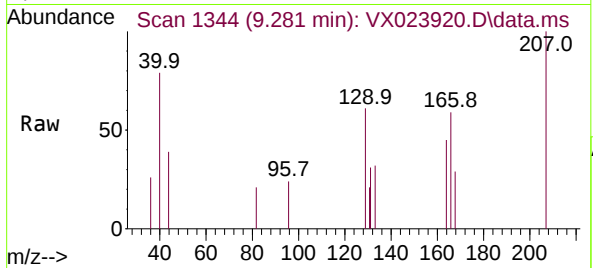




#60
Dibromochloromethane
Concen: 1.780 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

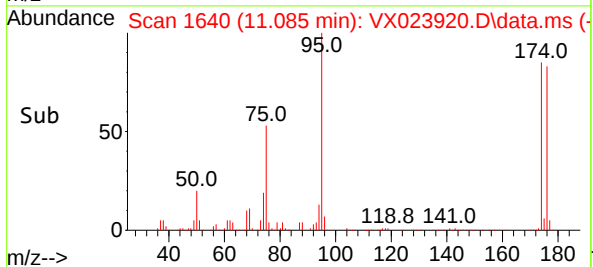
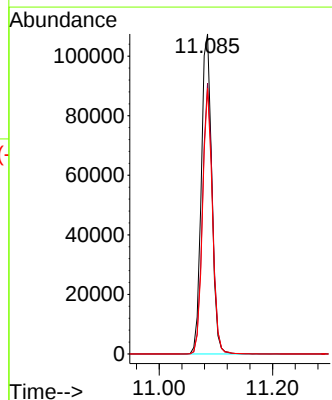
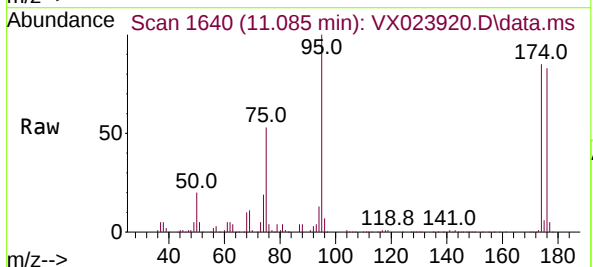
Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01

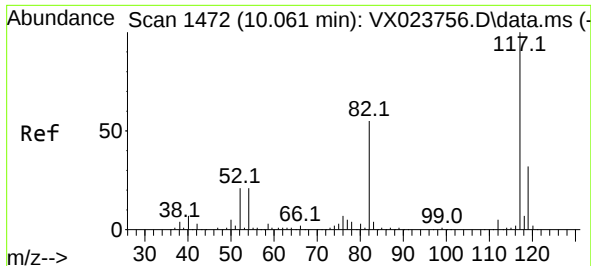
Tgt Ion:129 Resp: 259
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.796 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 95 Resp: 137561
Ion Ratio Lower Upper
95 100
174 81.3 0.0 154.6
176 78.1 0.0 155.8

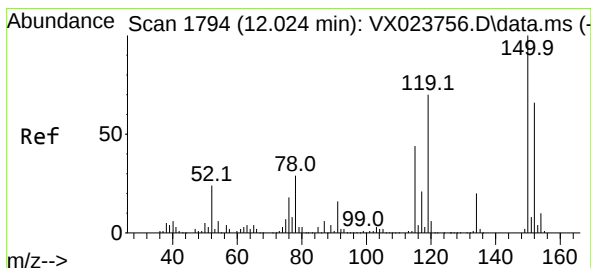
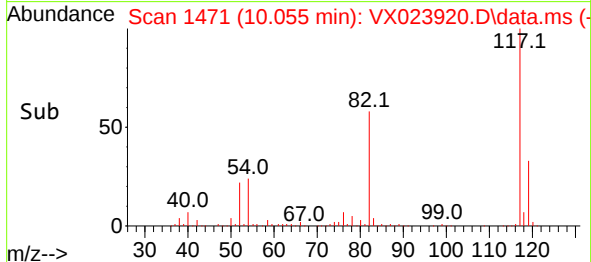
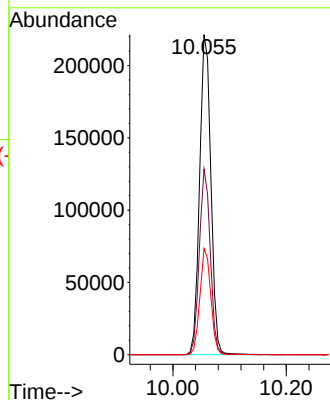
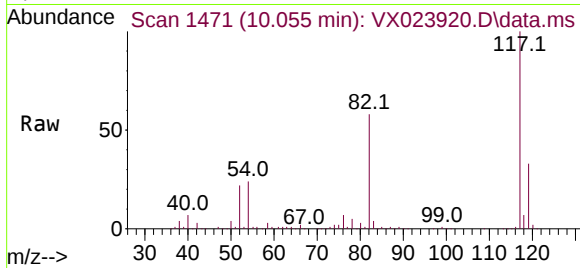




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

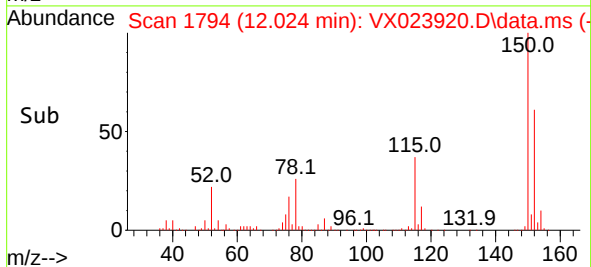
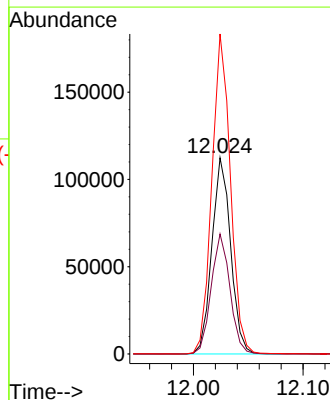
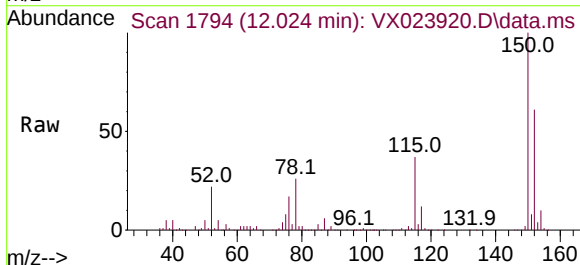
Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01

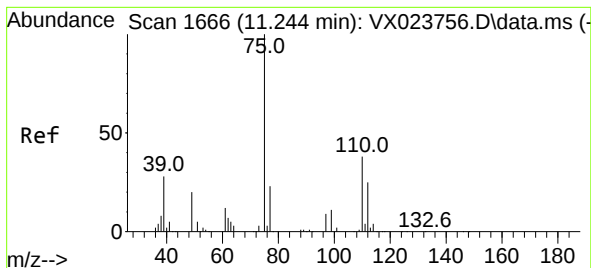
Tgt Ion:117 Resp: 304198
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 33.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion:152 Resp: 133881
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 161.0 0.0 349.0

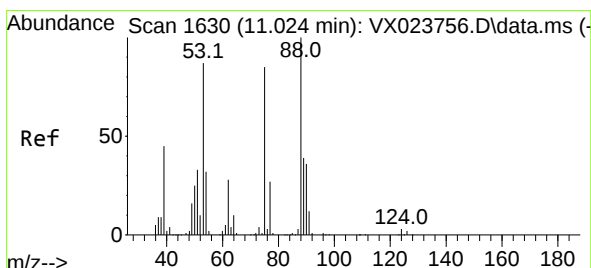
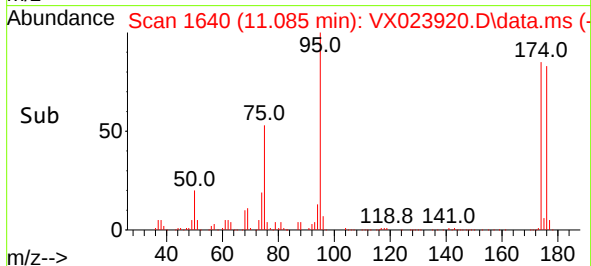
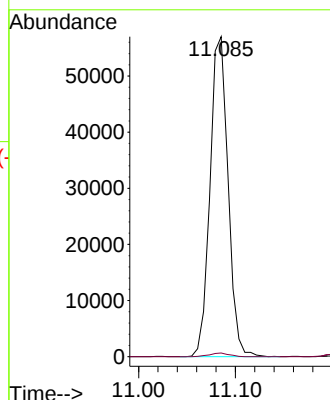
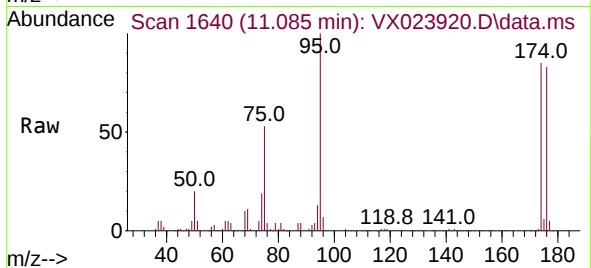




#76
1,2,3-Trichloropropane
Concen: 23.677 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

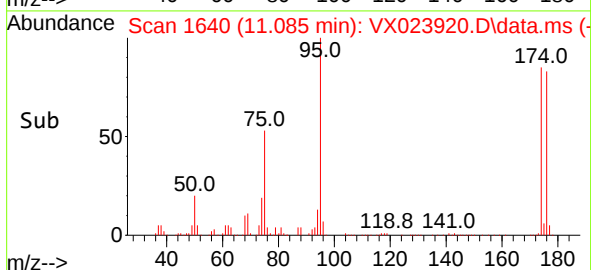
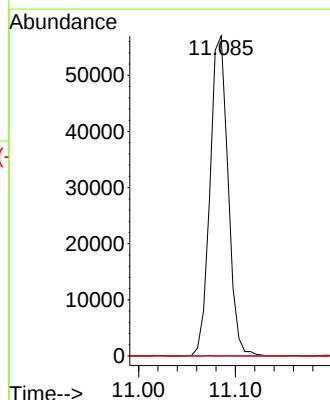
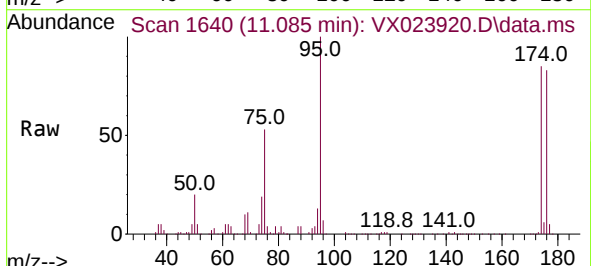
Instrument :
MSVOA_X
ClientSampled :
VX0824MBL01

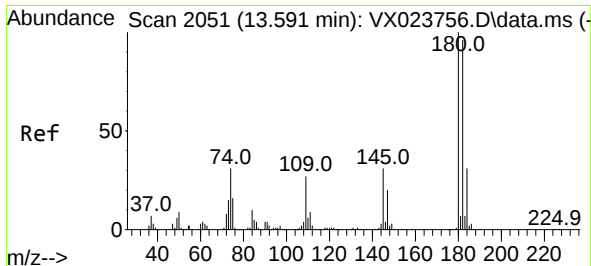
Tgt Ion: 75 Resp: 73944
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.646 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion: 75 Resp: 73944
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

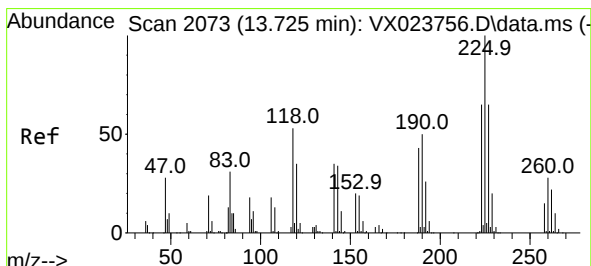
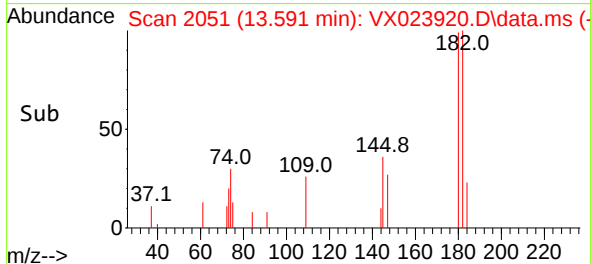
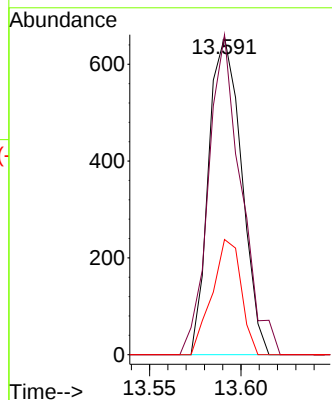
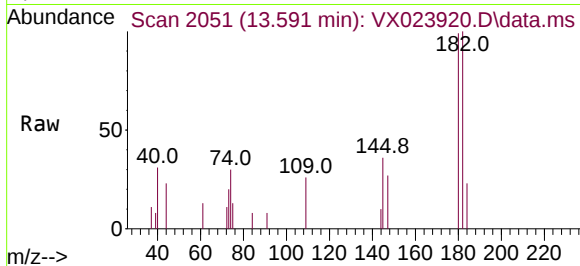




#93
1,2,4-Trichlorobenzene
Concen: 0.309 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

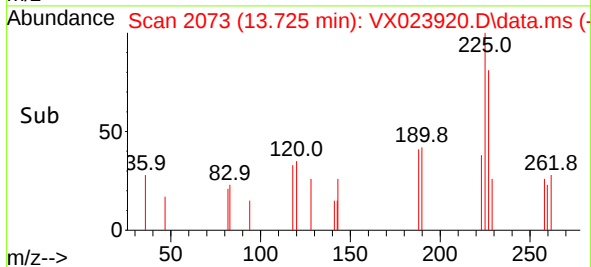
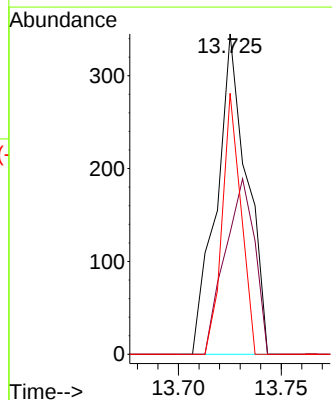
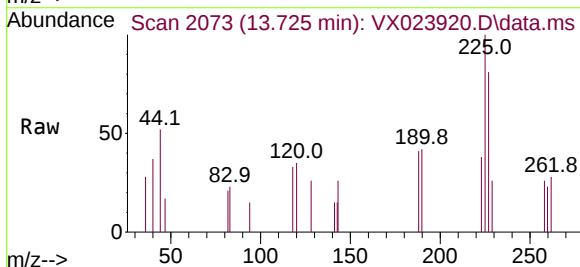
Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01

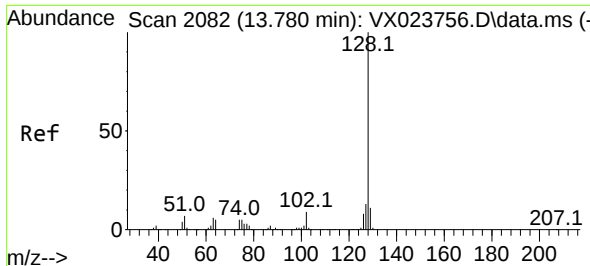
Tgt Ion:	180	Resp:	819
Ion	Ratio	Lower	Upper
180	100		
182	100.2	47.7	143.1
145	32.1	15.0	45.0



#94
Hexachlorobutadiene
Concen: 0.301 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion:	225	Resp:	356
Ion	Ratio	Lower	Upper
225	100		
223	53.4	31.1	93.2
227	50.3	31.6	95.0

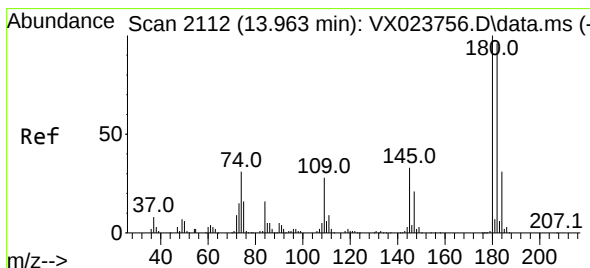
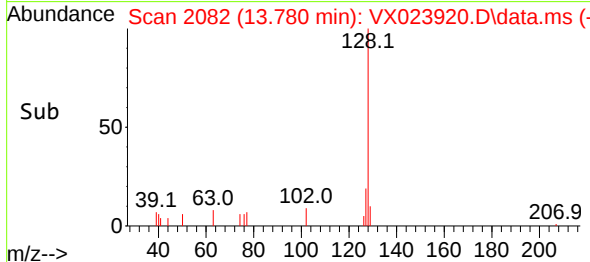
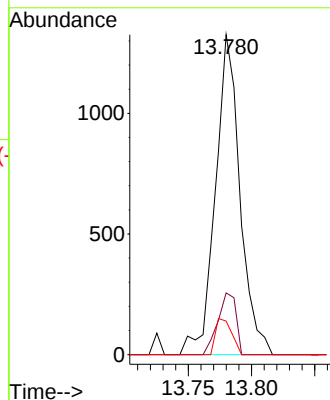
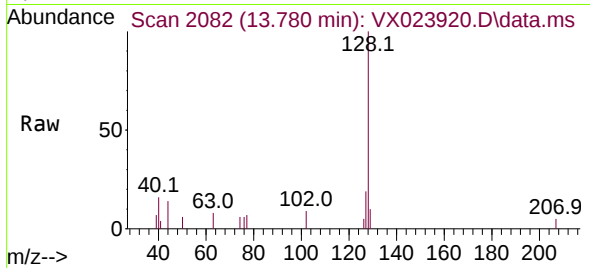




#95
Naphthalene
Concen: 1.461 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0824MBL01

Tgt Ion:128	Resp:	1794
Ion Ratio	Lower	Upper
128	100	
127	14.2	10.3 15.5
129	7.3	8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.253 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX023920.D
Acq: 24 Aug 2021 10:37

Tgt Ion:180	Resp:	669
Ion Ratio	Lower	Upper
180	100	
182	91.3	47.6 142.9
145	41.0	16.1 48.3

