

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
 Data File : VX023948.D
 Acq On : 25 Aug 2021 19:02
 Operator : JC/MD
 Sample : M3525-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 17:39:51 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)

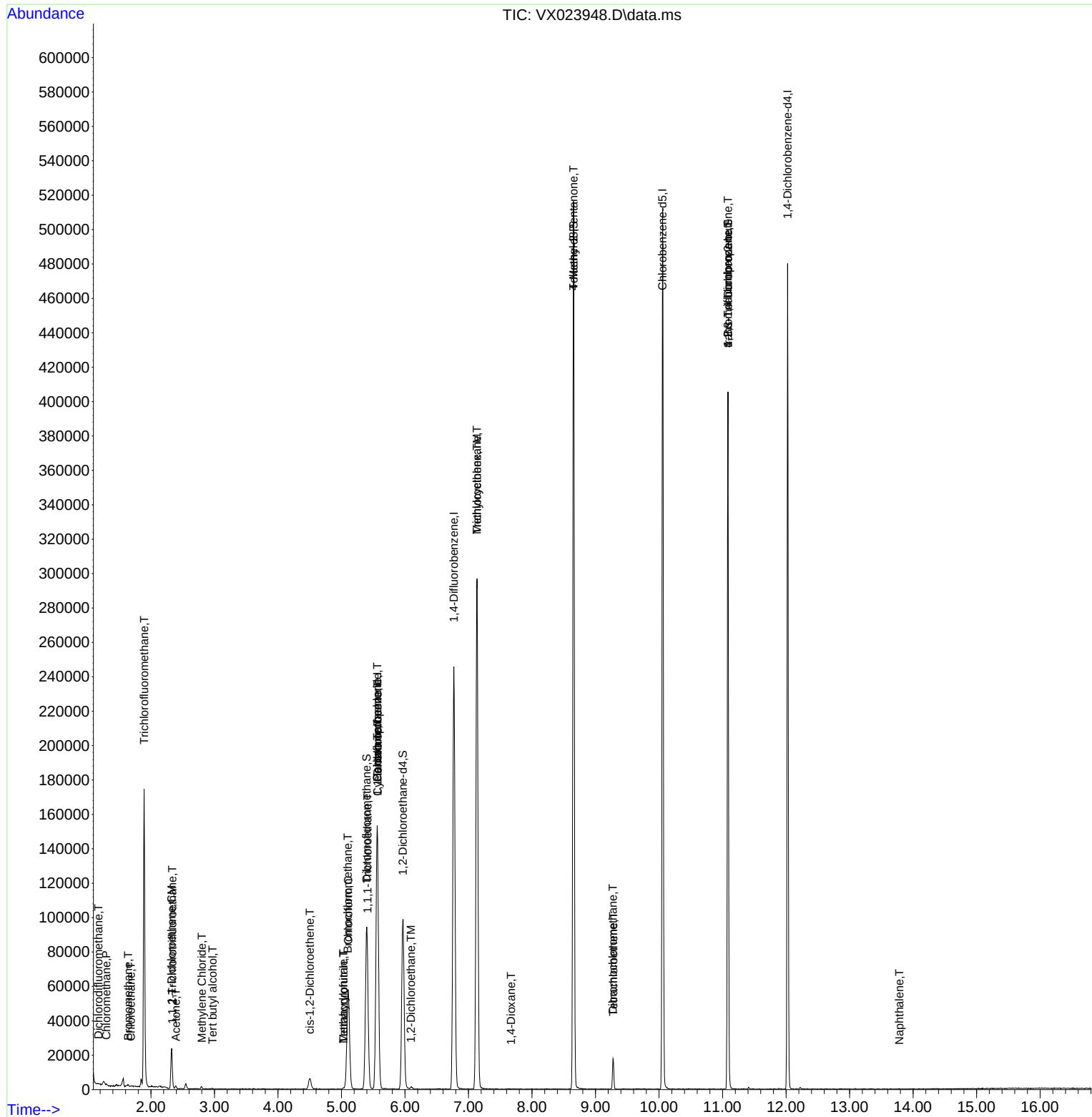
Internal Standards						
1) Pentafluorobenzene	5.562	168	140270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100205	51.184	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.360%	
35) Dibromofluoromethane	5.397	113	79016	49.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.180%	
50) Toluene-d8	8.653	98	292381	48.209	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.420%	
62) 4-Bromofluorobenzene	11.085	95	99790	44.696	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	340	0.230	ug/l	93
3) Chloromethane	1.294	50	351	0.216	ug/l #	74
5) Bromomethane	1.642	94	383	0.384	ug/l #	41
6) Chloroethane	1.684	64	202	2.363	ug/l #	43
7) Trichlorofluoromethane	1.892	101	105683	42.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	811	0.576	ug/l	97
11) Tert butyl alcohol	2.971	59	198	0.500	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	7388	5.488	ug/l	94
16) Acetone	2.392	43	1726	1.972	ug/l	91
20) Methylene Chloride	2.800	84	507	0.303	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	3910	2.285	ug/l	92
28) Bromochloromethane	5.098	49	5924	4.738	ug/l #	9
29) Tetrahydrofuran	5.031	42	430	0.501	ug/l #	84
30) Chloroform	5.104	83	67228	23.089	ug/l	100
31) Cyclohexane	5.568	56	3256	1.295	ug/l #	11
32) 1,1,1-Trichloroethane	5.409	97	1604	0.643	ug/l #	43
36) 1,1-Dichloropropene	5.568	75	10781	4.835	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14573	6.268	ug/l #	17
39) Methylcyclohexane	7.135	83	1424	0.525	ug/l #	1
41) Methacrylonitrile	5.031	41	371	0.250	ug/l #	44
42) 1,2-Dichloroethane	6.092	62	1203	0.464	ug/l	82
44) Trichloroethene	7.135	130	111550	61.251	ug/l	96
49) 1,4-Dioxane	7.671	88	42	0.950	ug/l #	24
51) 4-Methyl-2-Pentanone	8.653	43	1560	0.563	ug/l #	1
60) Dibromochloromethane	9.274	129	3200	3.280	ug/l #	11
64) Tetrachloroethene	9.281	164	3382	1.868	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	53870	25.207	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53870	74.149	ug/l #	12
95) Naphthalene	13.786	128	61	1.291	ug/l #	69

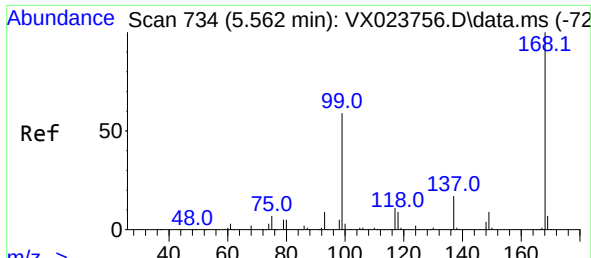
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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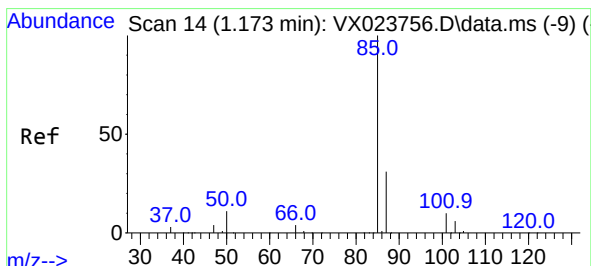
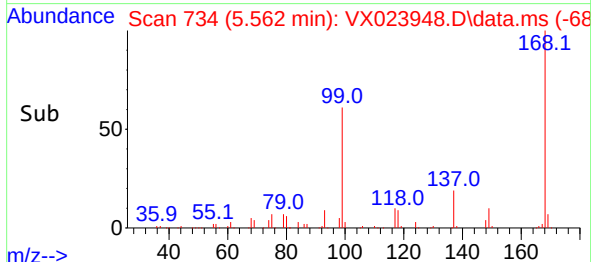
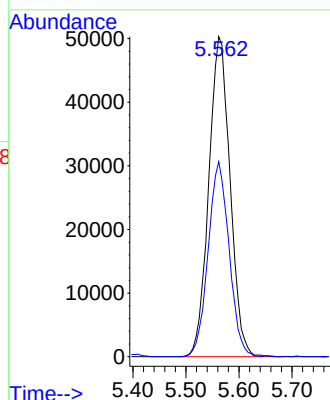
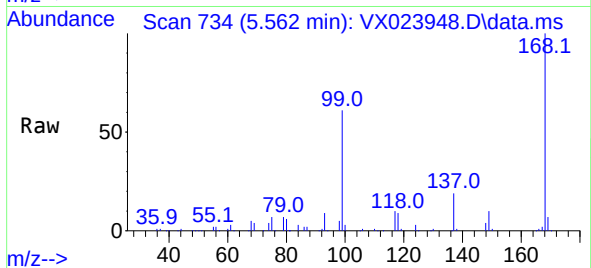




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

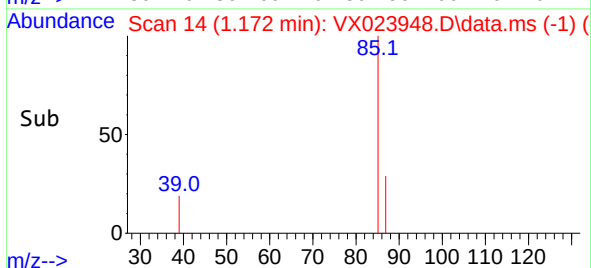
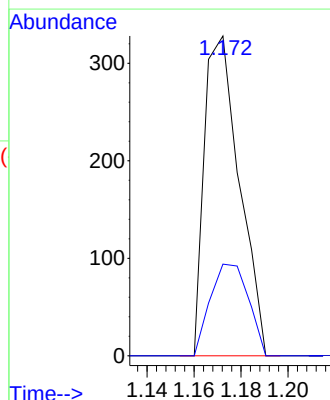
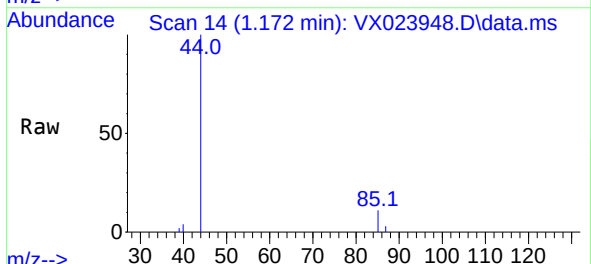
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:168 Resp: 140270
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6

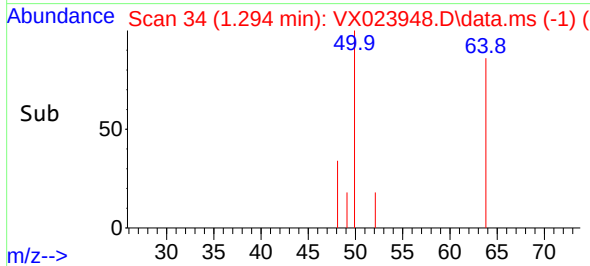
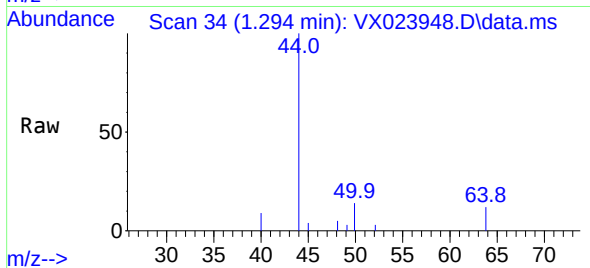
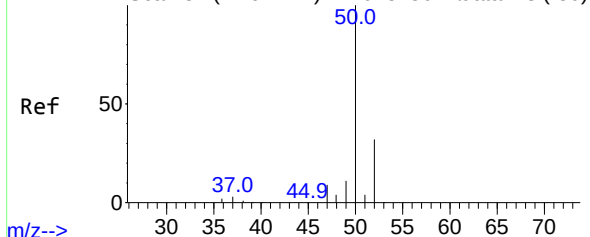


#2
Dichlorodifluoromethane
Concen: 0.230 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 85 Resp: 340
Ion Ratio Lower Upper
85 100
87 28.7 16.4 49.2

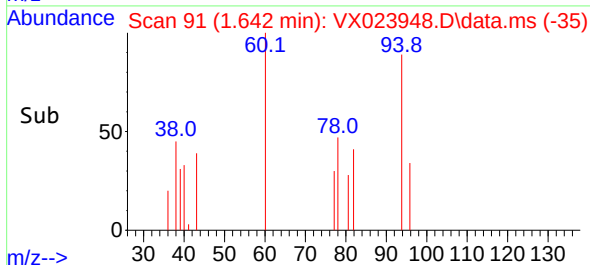
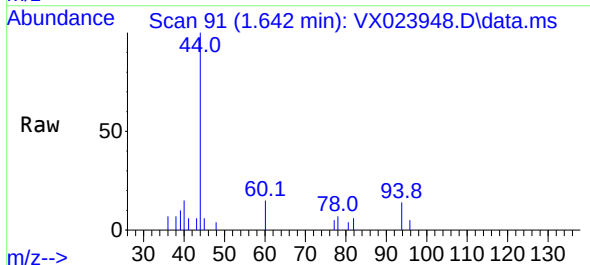
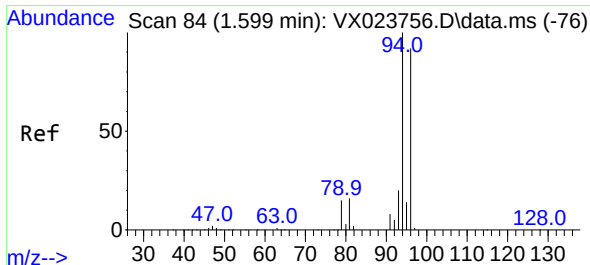
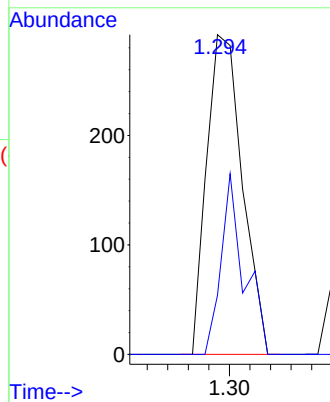


Abundance Scan 34 (1.294 min): VX023756.D\data.ms (-30)



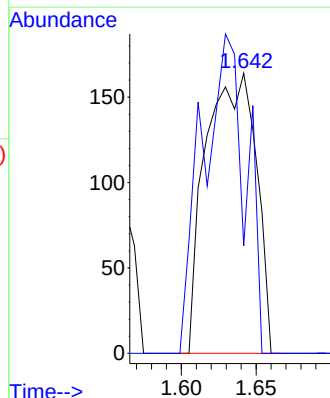
#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

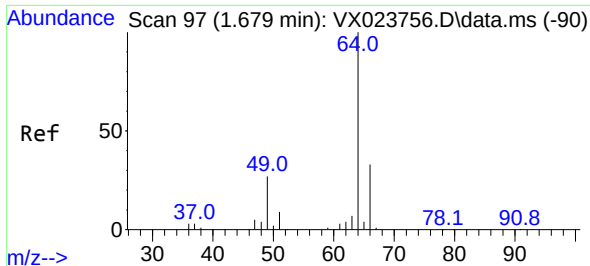
Tgt Ion: 50 Resp: 351
Ion Ratio Lower Upper
50 100
52 18.5 26.4 39.6#



#5
Bromomethane
Concen: 0.384 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.043 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 38.4 76.4 114.6#

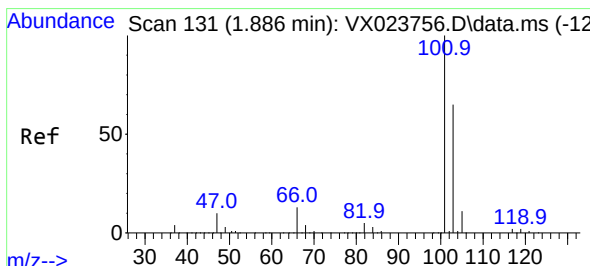
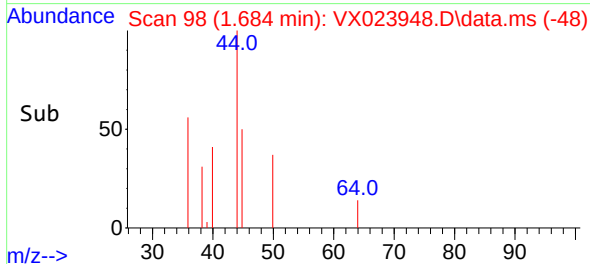
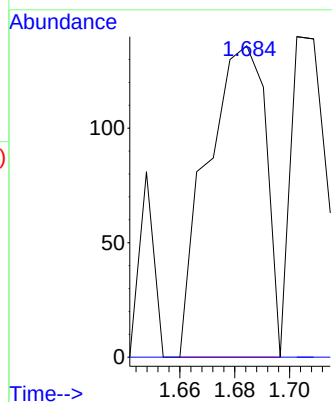
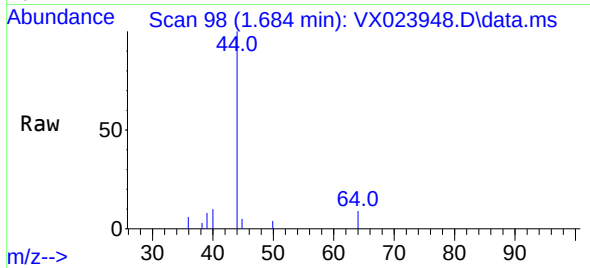




#6
Chloroethane
Concen: 2.363 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

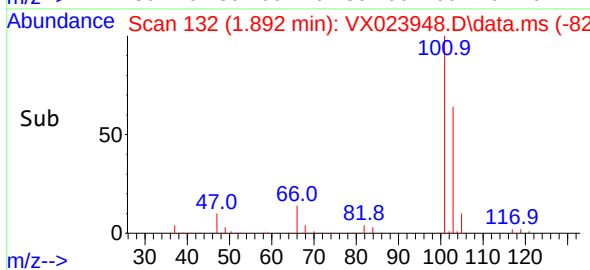
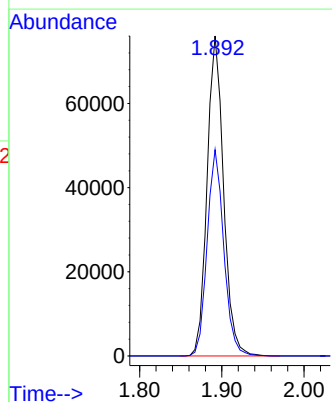
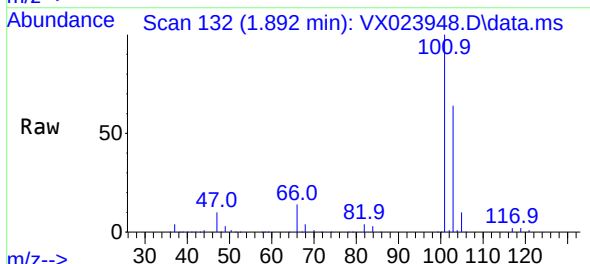
Instrument :
MSVOA_X
ClientSampled :

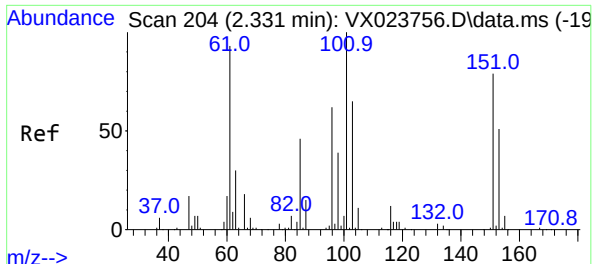
Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 42.236 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion:101 Resp: 105683
Ion Ratio Lower Upper
101 100
103 64.5 53.2 79.8

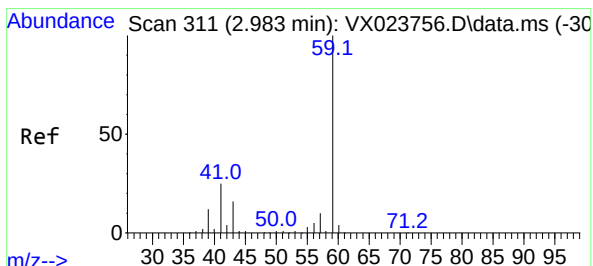
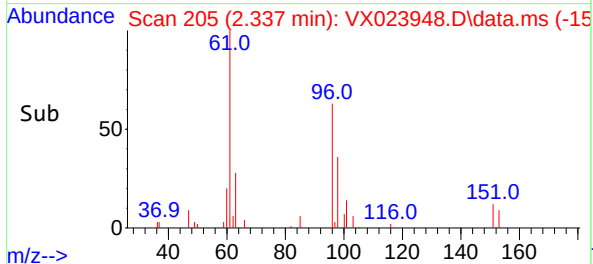
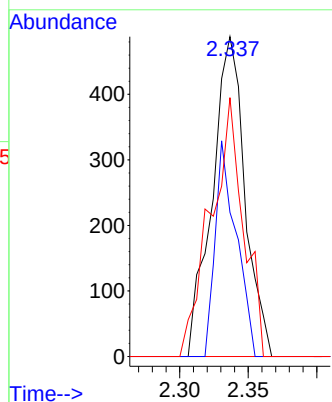
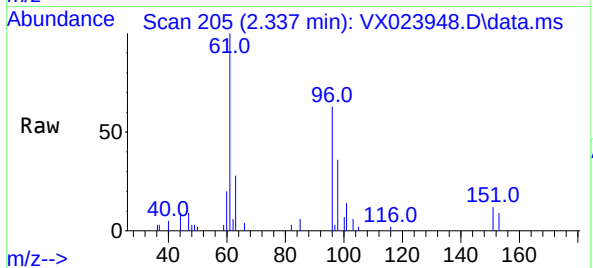




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.576 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

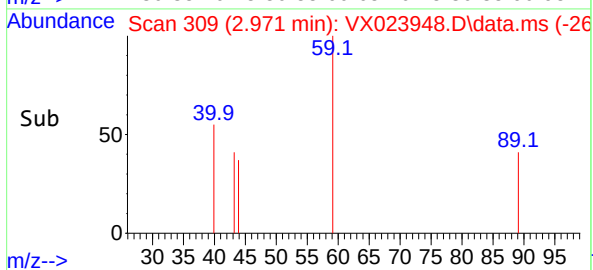
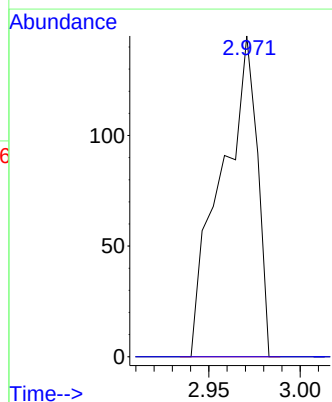
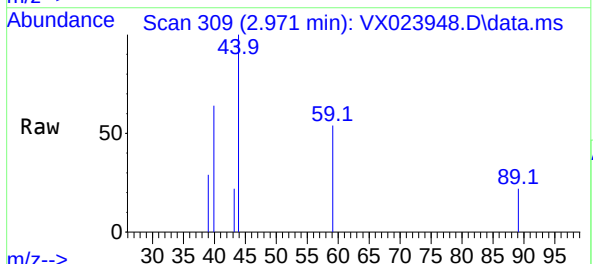
Instrument :
MSVOA_X
ClientSampled :

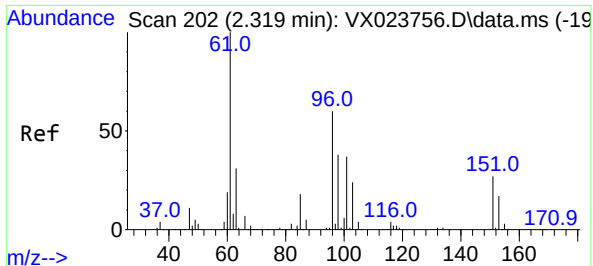
Tgt Ion:101 Resp: 811
Ion Ratio Lower Upper
101 100
85 43.2 34.9 52.3
151 80.9 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.500 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 5.488 ug/l

RT: 2.325 min Scan# 203

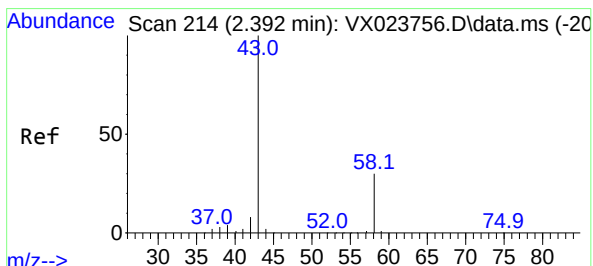
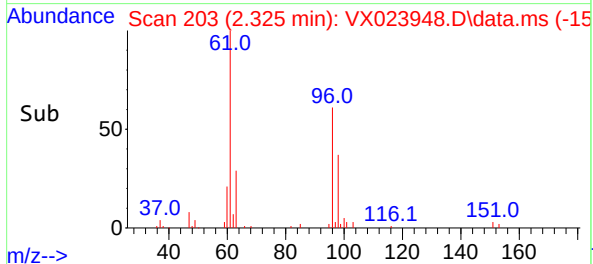
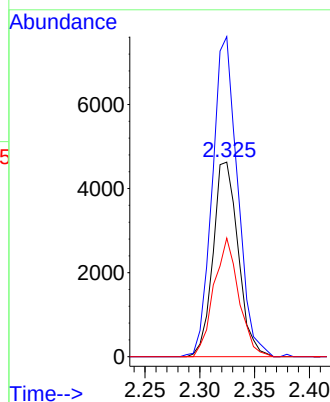
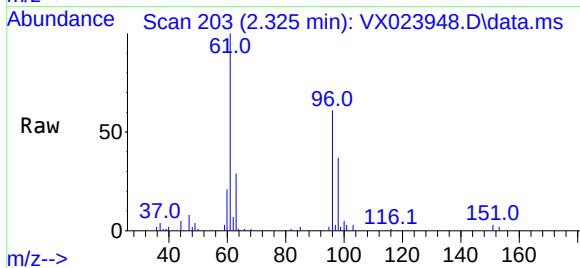
Delta R.T. 0.006 min

Lab File: VX023948.D

Acq: 25 Aug 2021 19:02

Tgt Ion: 96 Resp: 7388

Ion	Ratio	Lower	Upper
96	100		
61	164.4	124.6	187.0
98	61.0	50.6	76.0



#16

Acetone

Concen: 1.972 ug/l

RT: 2.392 min Scan# 214

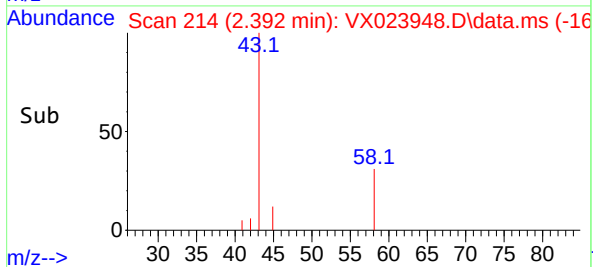
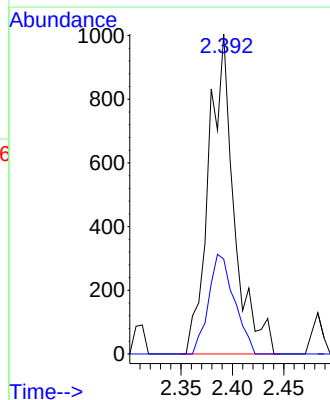
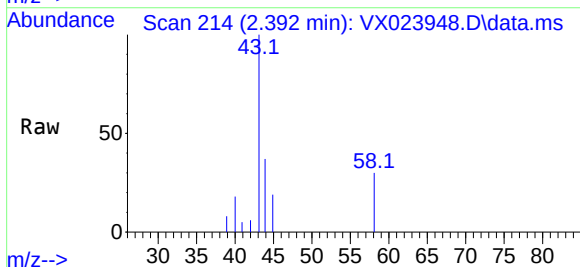
Delta R.T. -0.000 min

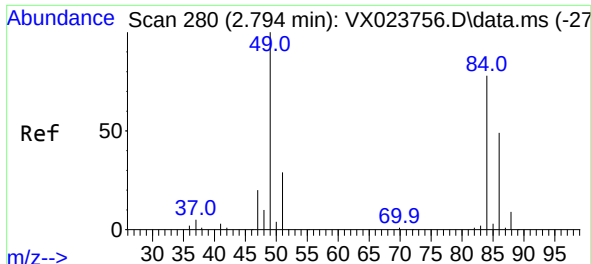
Lab File: VX023948.D

Acq: 25 Aug 2021 19:02

Tgt Ion: 43 Resp: 1726

Ion	Ratio	Lower	Upper
43	100		
58	29.7	27.8	41.8



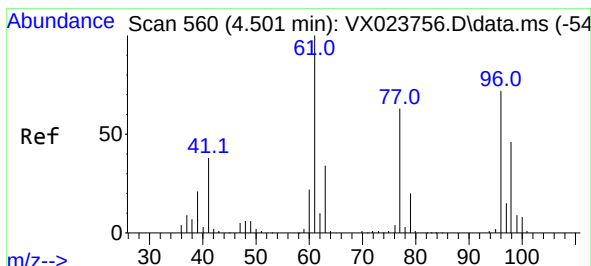
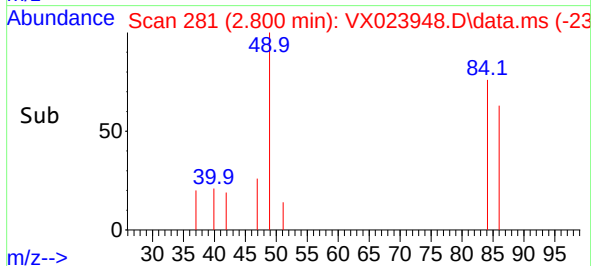
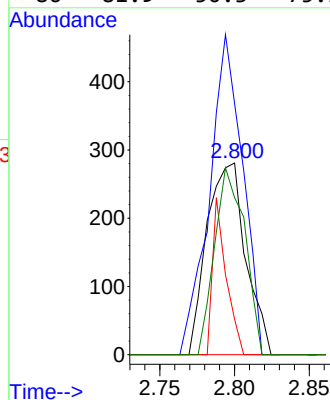
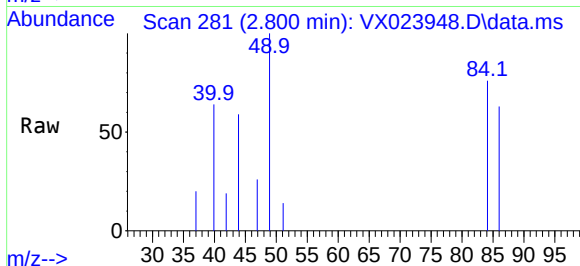


#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 507

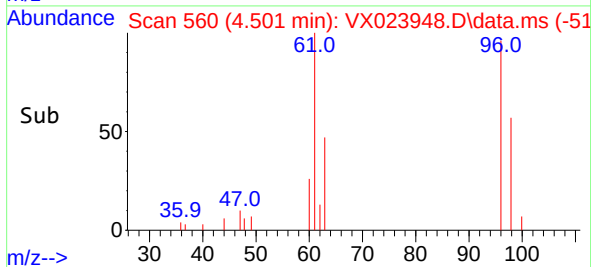
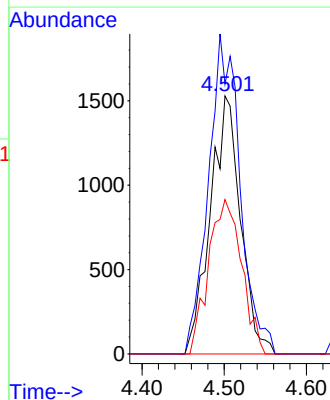
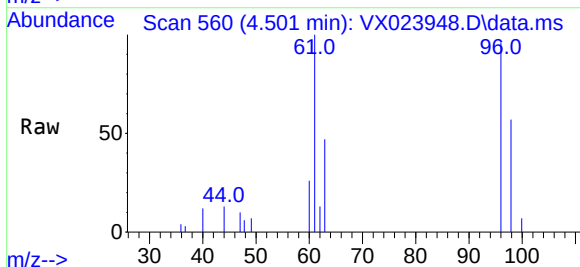
Ion	Ratio	Lower	Upper
84	100		
49	131.0	88.6	132.8
51	18.5	27.0	40.6#
86	81.9	50.3	75.5#

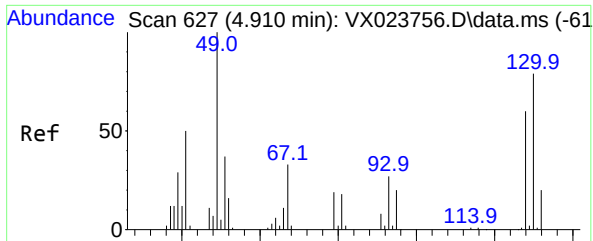


#27
cis-1,2-Dichloroethene
Concen: 2.285 ug/l
RT: 4.501 min Scan# 560
Delta R.T. -0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 96 Resp: 3910

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	285.6
98	65.4	0.0	129.6

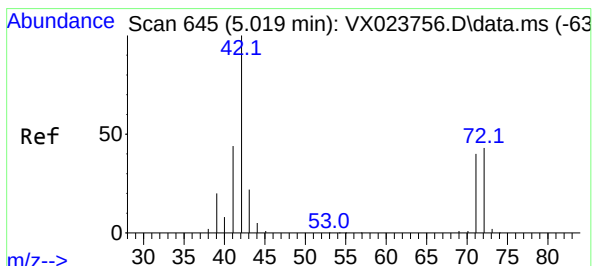
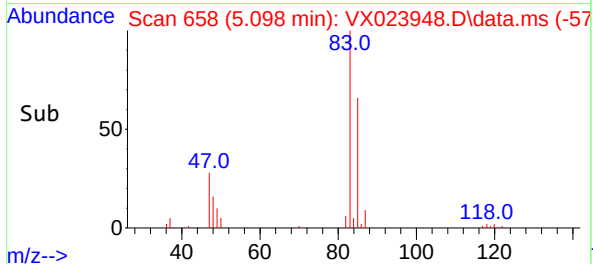
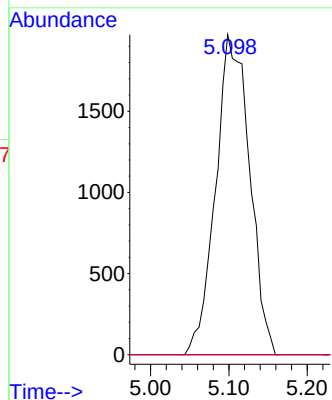
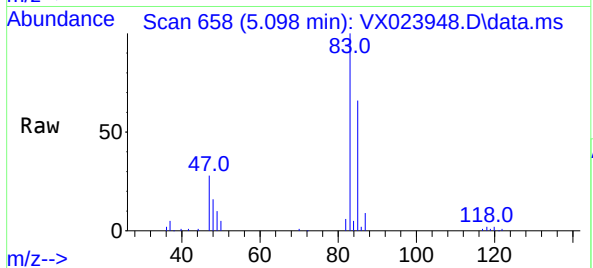




#28
Bromochloromethane
Concen: 4.738 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.188 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

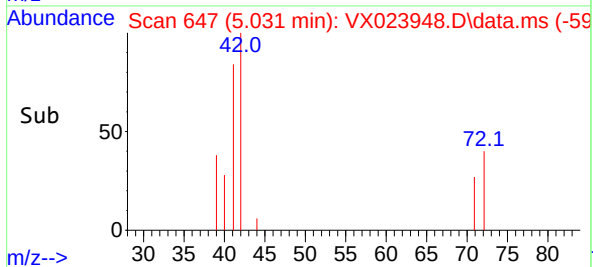
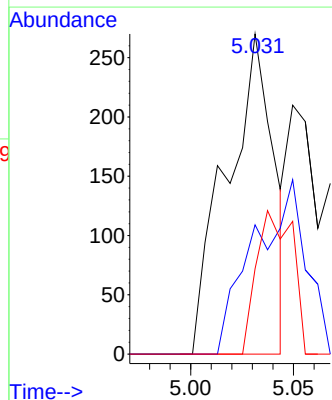
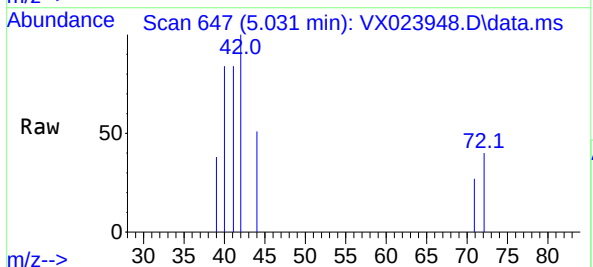
Instrument :
MSVOA_X
ClientSampled :

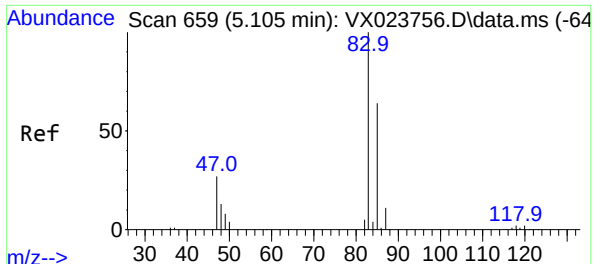
Tgt Ion: 49 Resp: 5924
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.501 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 42 Resp: 430
Ion Ratio Lower Upper
42 100
72 60.0 41.7 62.5
71 34.2 38.4 57.6#





#30

Chloroform

Concen: 23.089 ug/l

RT: 5.104 min Scan# 659

Delta R.T. -0.001 min

Lab File: VX023948.D

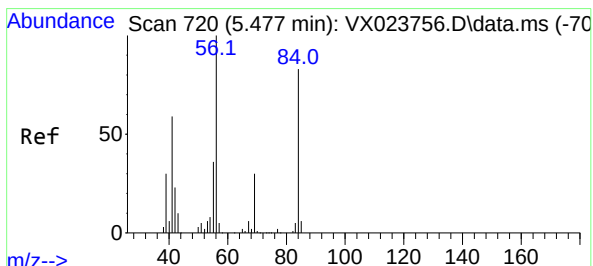
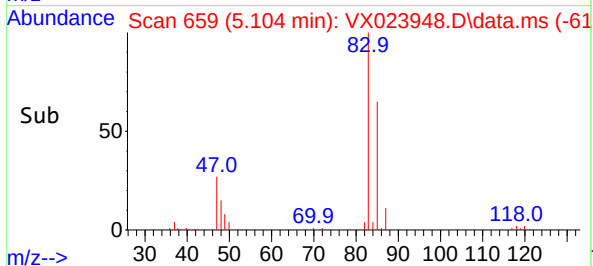
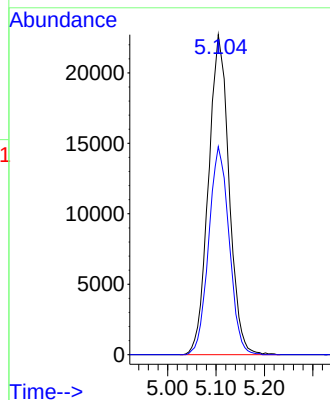
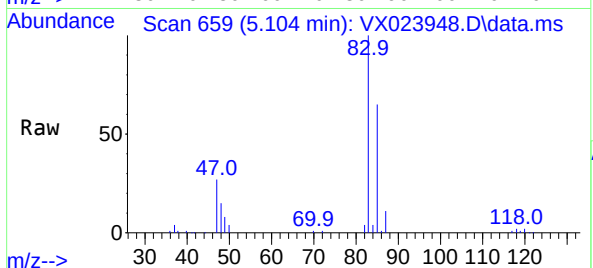
Acq: 25 Aug 2021 19:02

Tgt Ion: 83 Resp: 67228

Ion Ratio Lower Upper

83 100

85 65.0 52.0 78.0



#31

Cyclohexane

Concen: 1.295 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX023948.D

Acq: 25 Aug 2021 19:02

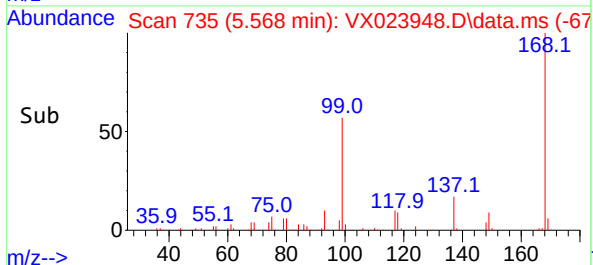
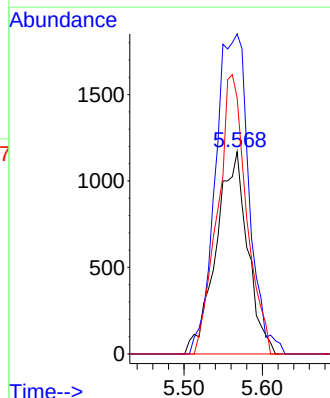
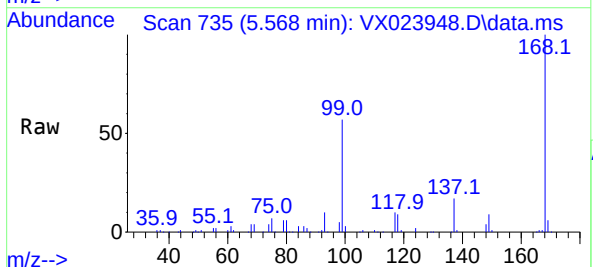
Tgt Ion: 56 Resp: 3256

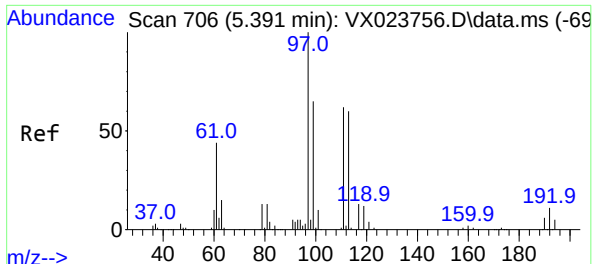
Ion Ratio Lower Upper

56 100

69 158.2 25.3 37.9#

84 126.5 71.4 107.0#

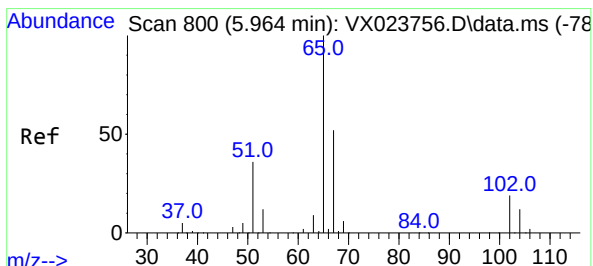
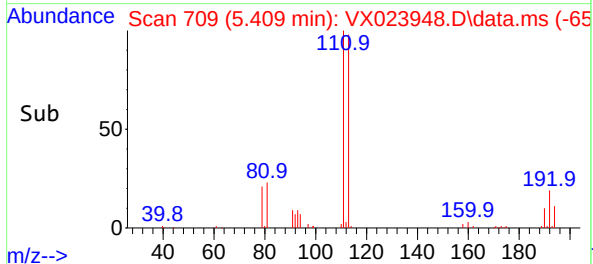
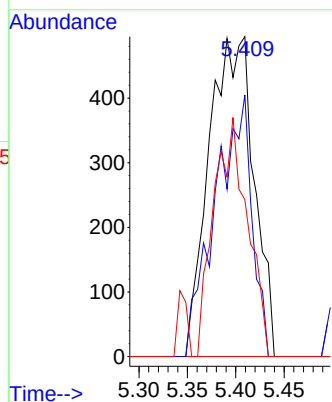
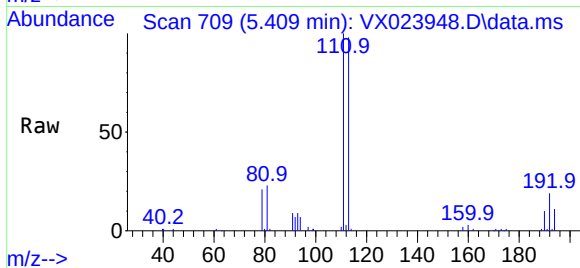




#32
1,1,1-Trichloroethane
Concen: 0.643 ug/l
RT: 5.409 min Scan# 709
Delta R.T. 0.018 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

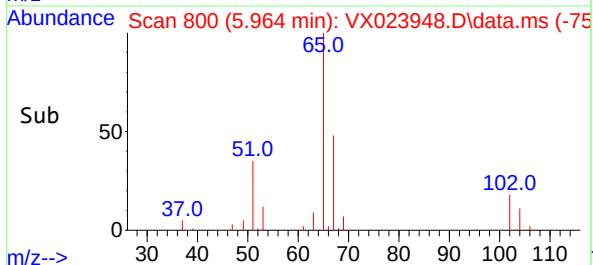
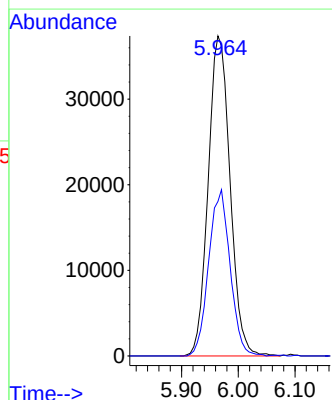
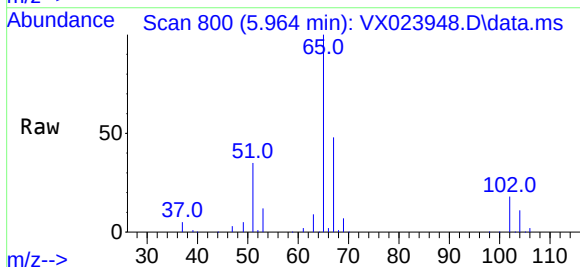
Instrument :
MSVOA_X
ClientSampled :

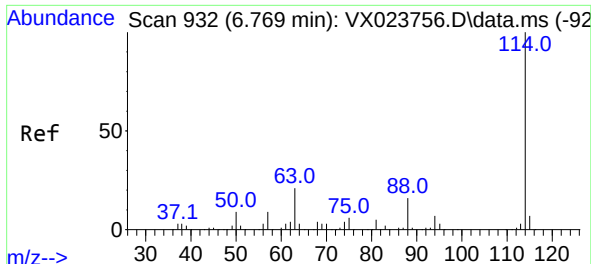
Tgt Ion: 97 Resp: 1604
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 55.9 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 51.184 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 65 Resp: 100205
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

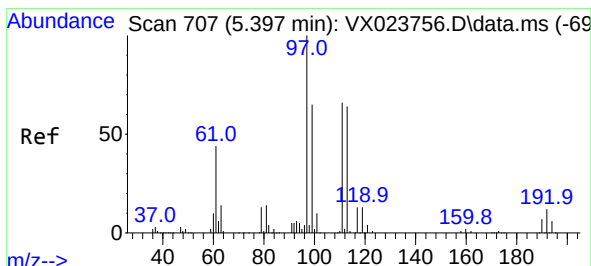
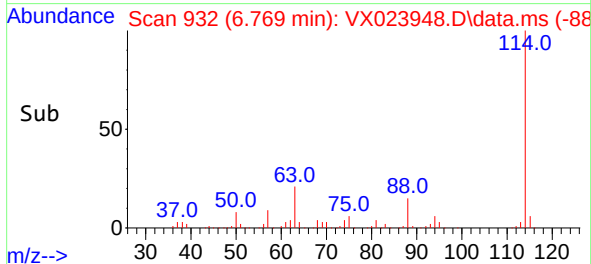
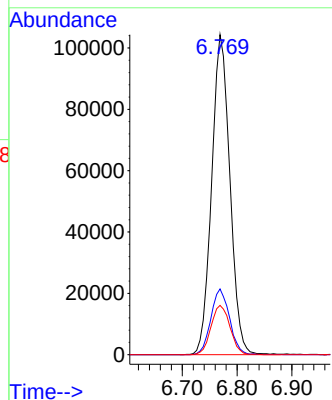
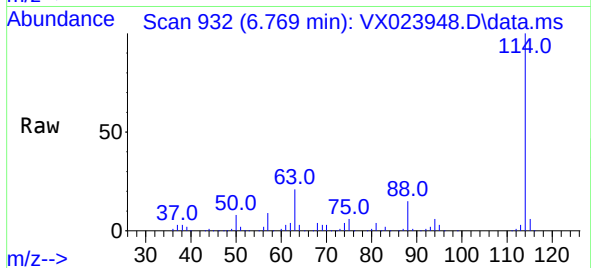




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

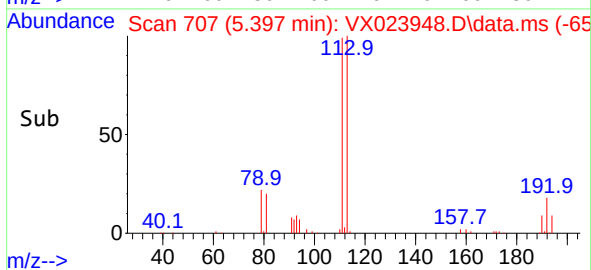
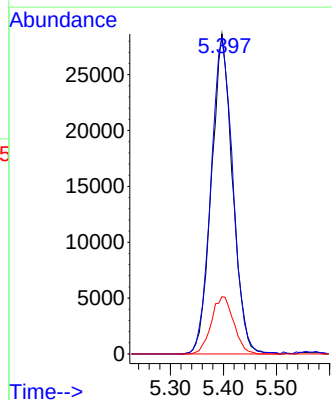
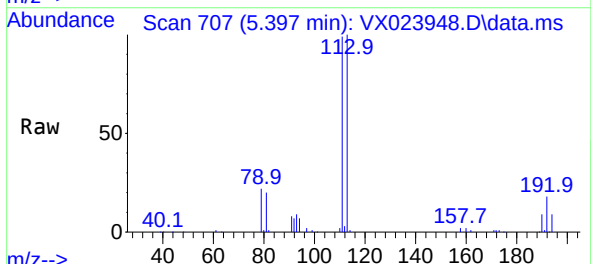
Instrument :
MSVOA_X
ClientSampled :

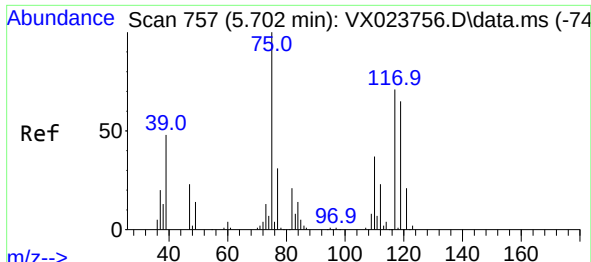
Tgt Ion:114 Resp: 240754
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.587 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion:113 Resp: 79016
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.0 16.7 25.1

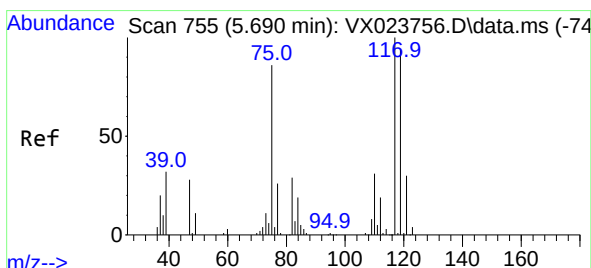
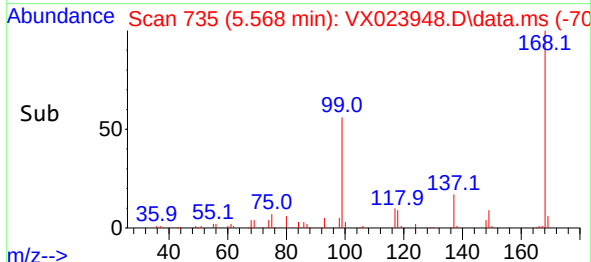
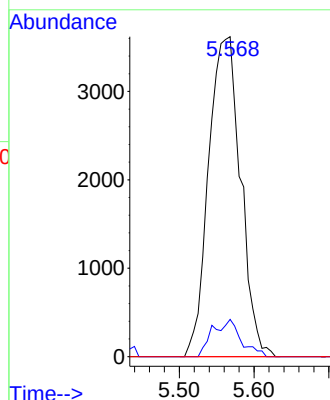
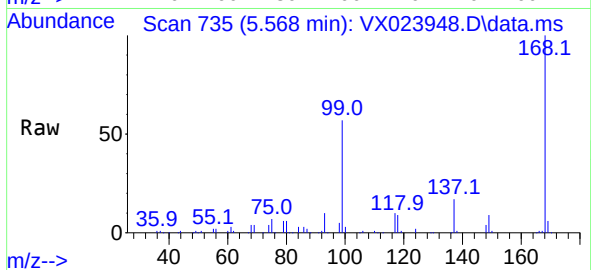




#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

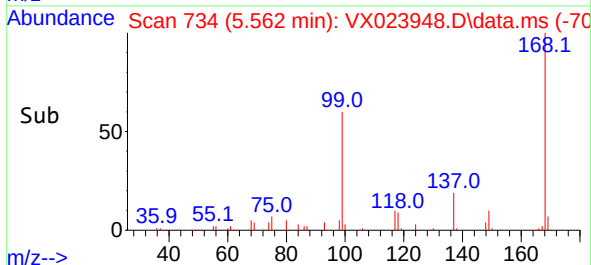
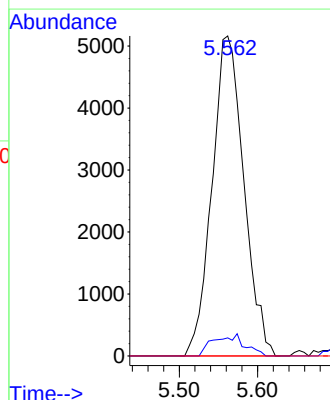
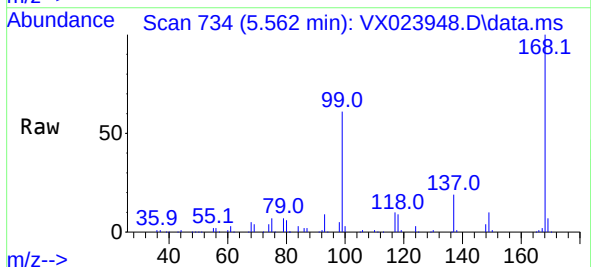
Instrument :
MSVOA_X
ClientSampled :

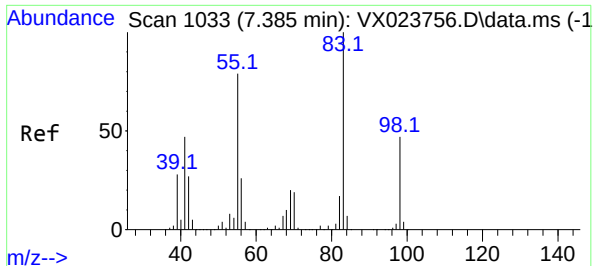
Tgt Ion: 75 Resp: 10781
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion:117 Resp: 14573
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

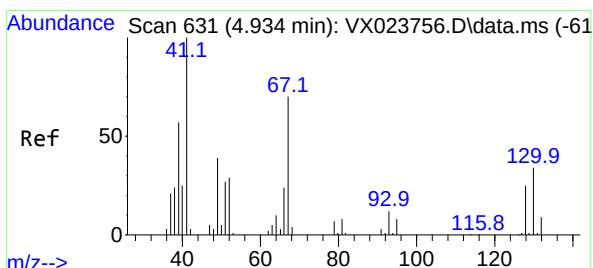
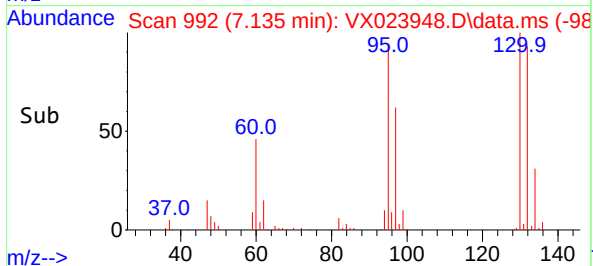
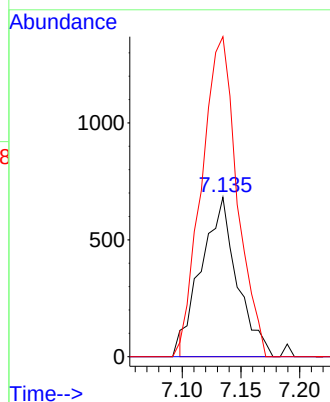
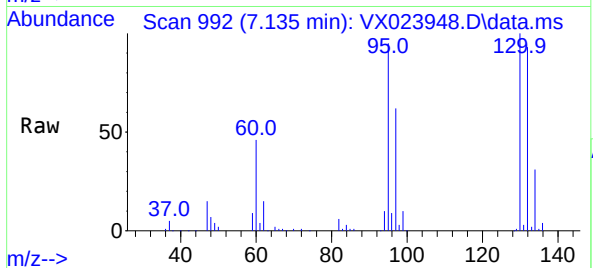




#39
Methylcyclohexane
Concen: 0.525 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

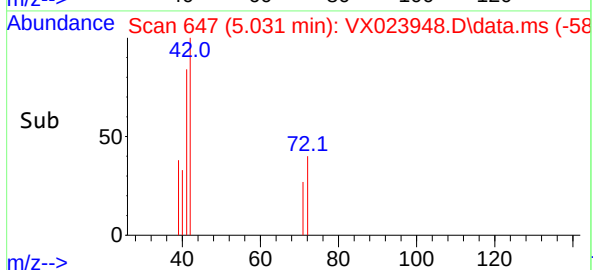
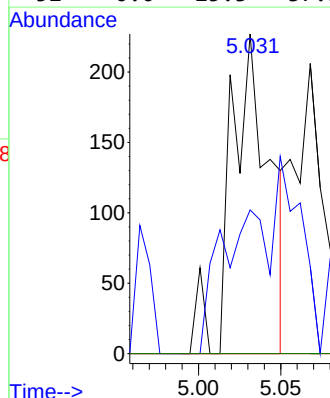
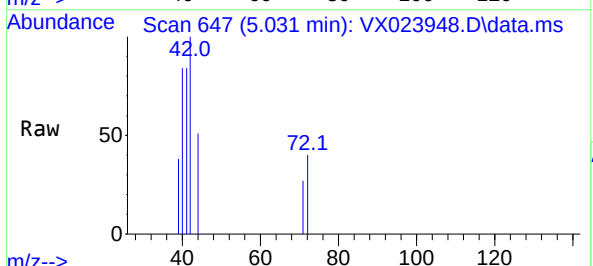
Instrument :
MSVOA_X
ClientSampled :

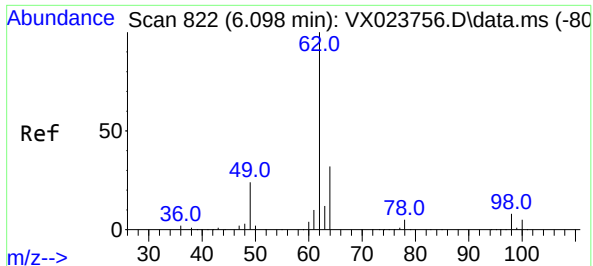
Tgt Ion: 83 Resp: 1424
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 200.7 38.1 57.1#



#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.097 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 41 Resp: 371
Ion Ratio Lower Upper
41 100
39 54.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#42

1,2-Dichloroethane

Concen: 0.464 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.006 min

Lab File: VX023948.D

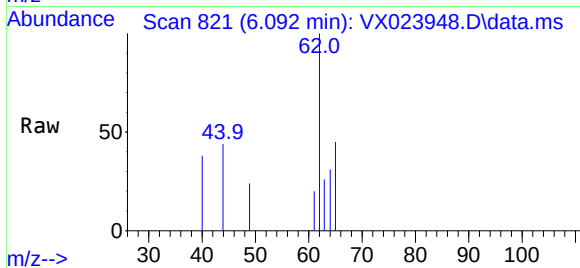
Acq: 25 Aug 2021 19:02

Tgt Ion: 62 Resp: 1203

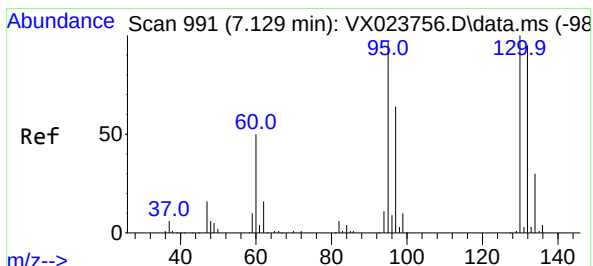
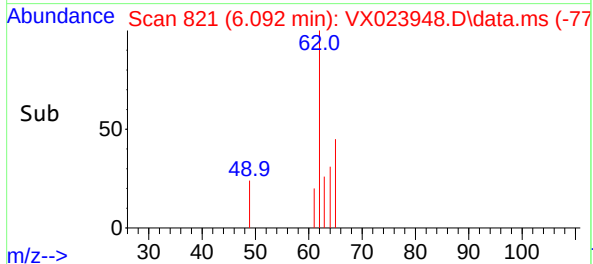
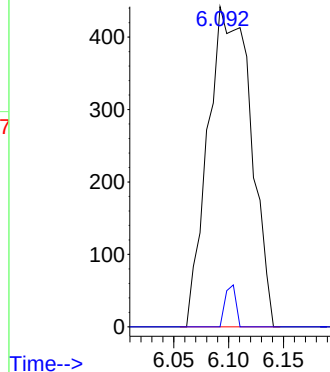
Ion Ratio Lower Upper

62 100

98 3.3 0.0 20.2



Abundance



#44

Trichloroethene

Concen: 61.251 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023948.D

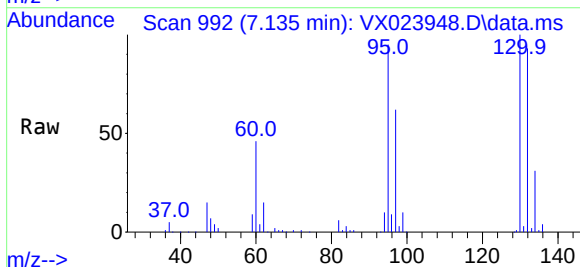
Acq: 25 Aug 2021 19:02

Tgt Ion: 130 Resp: 111550

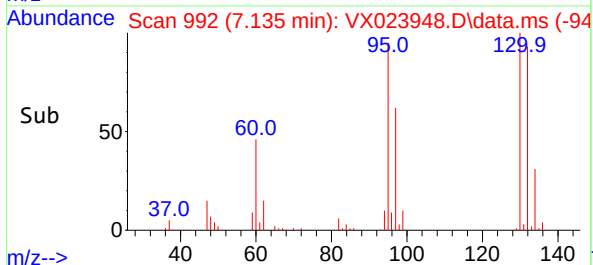
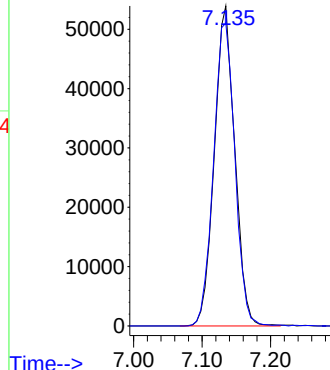
Ion Ratio Lower Upper

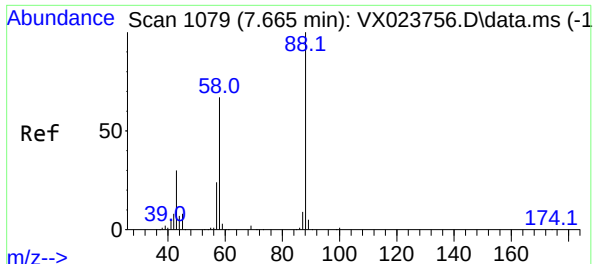
130 100

95 94.6 0.0 198.0



Abundance

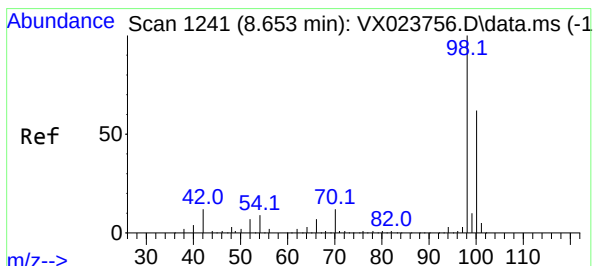
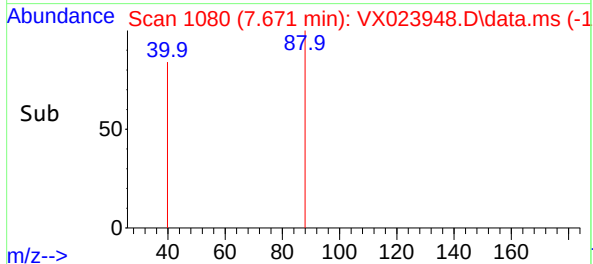
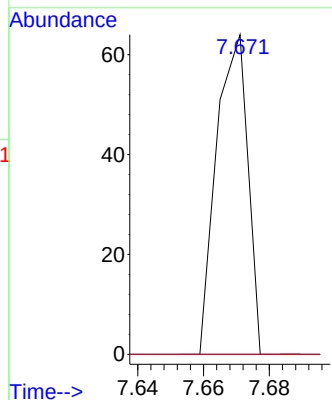
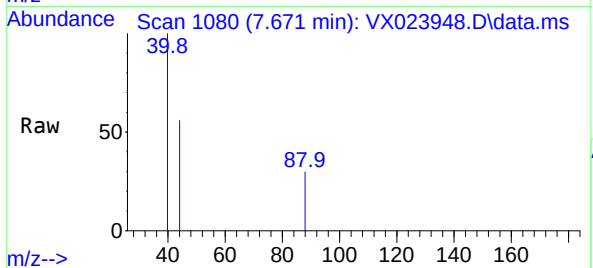




#49
1,4-Dioxane
Concen: 0.950 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

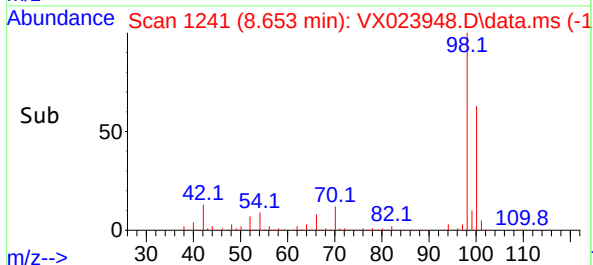
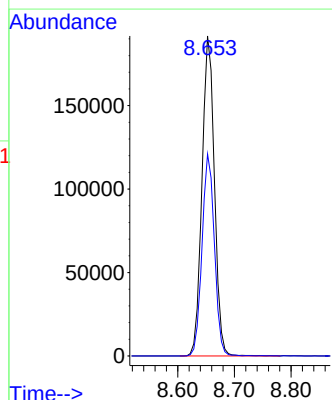
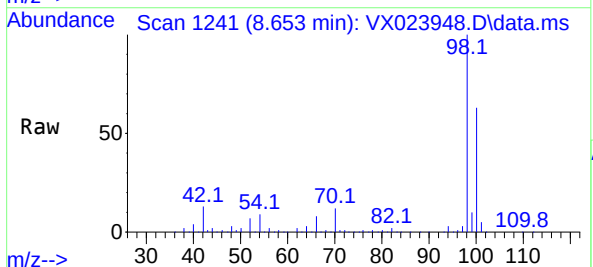
Instrument :
MSVOA_X
ClientSampled :

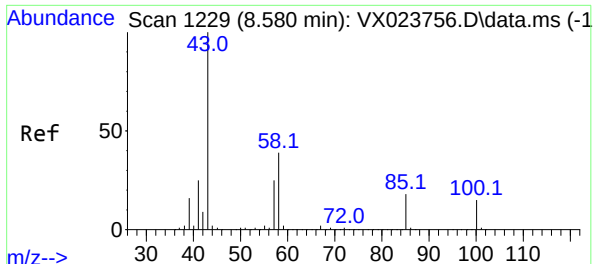
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 48.209 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 98 Resp: 292381
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9

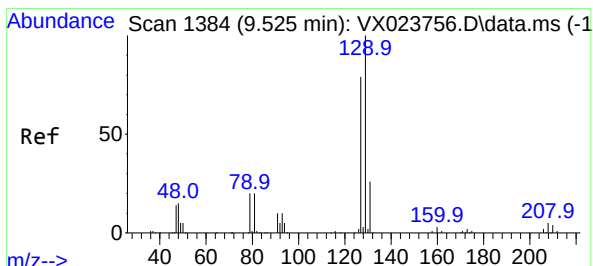
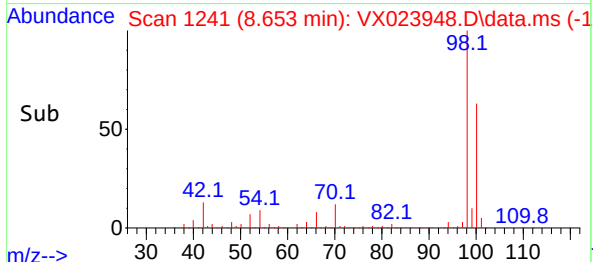
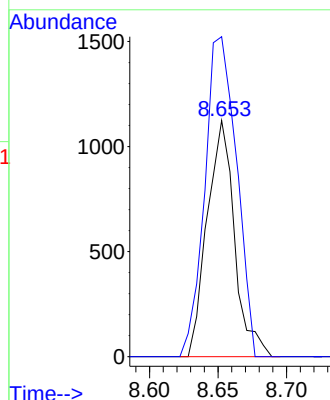
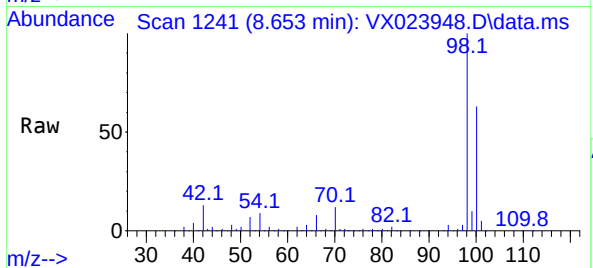




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

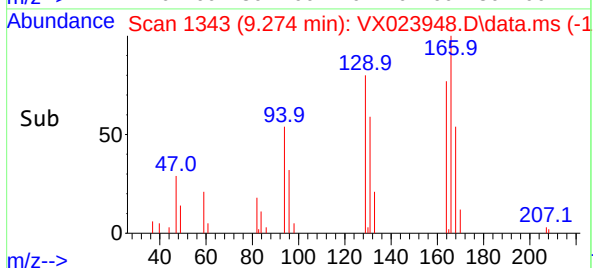
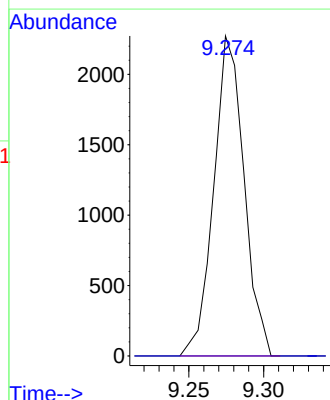
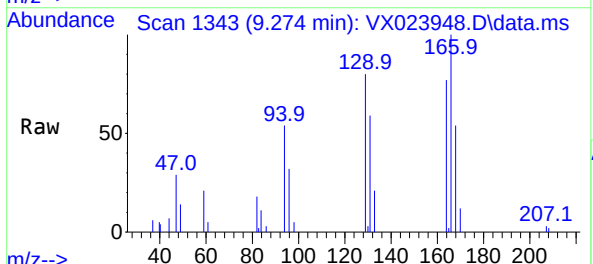
Instrument :
MSVOA_X
ClientSampled :

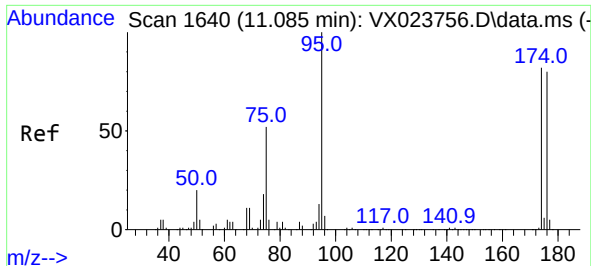
Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
58 157.6 35.4 53.0#



#60
Dibromochloromethane
Concen: 3.280 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion: 129 Resp: 3200
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

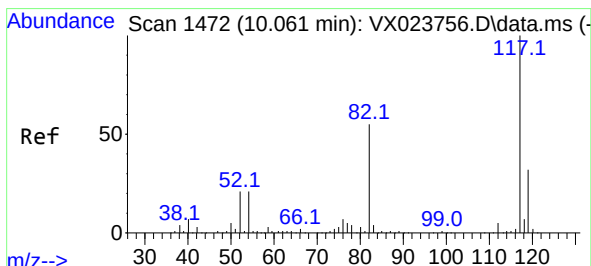
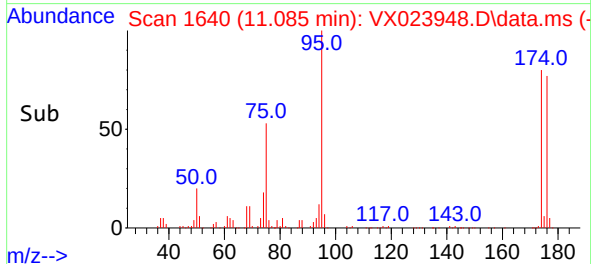
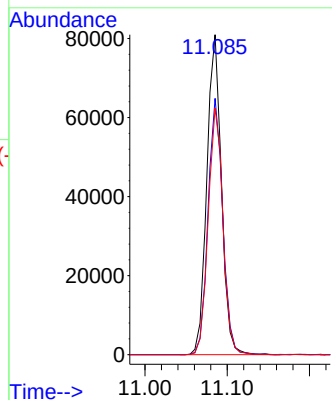
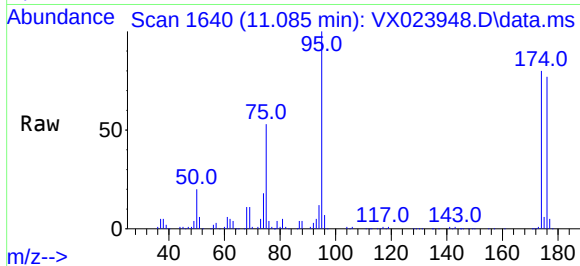




#62
4-Bromofluorobenzene
Concen: 44.696 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

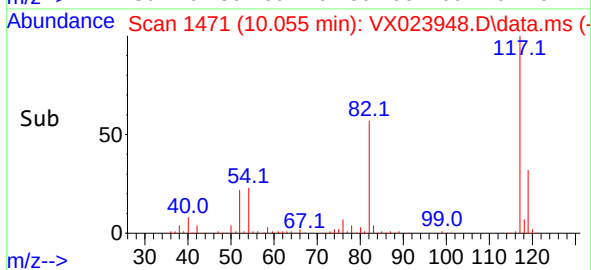
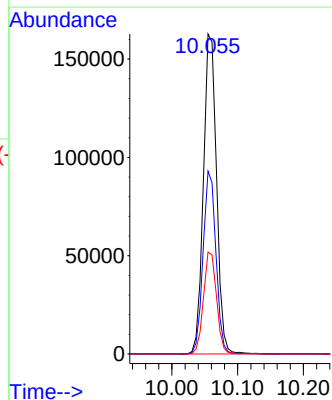
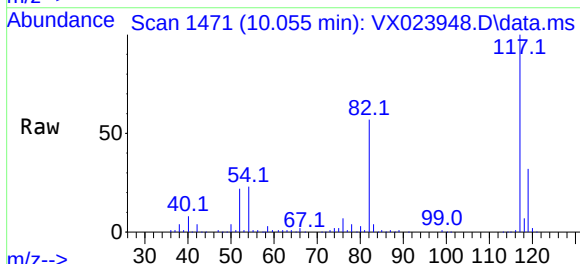
Instrument :
MSVOA_X
ClientSampled :

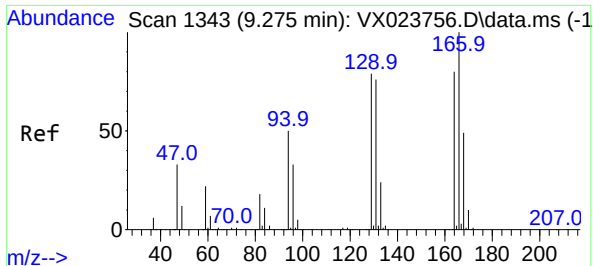
Tgt Ion: 95 Resp: 99790
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

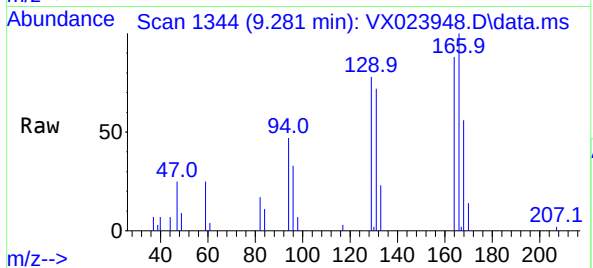
Tgt Ion: 117 Resp: 226640
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.8 26.6 39.8





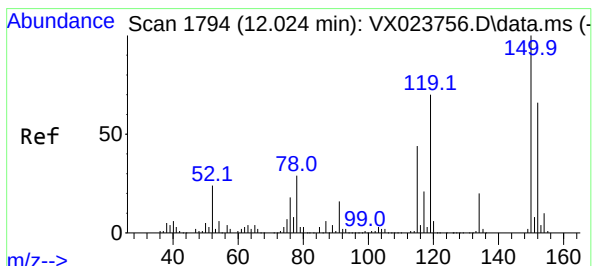
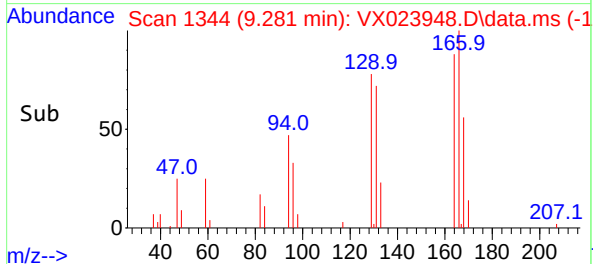
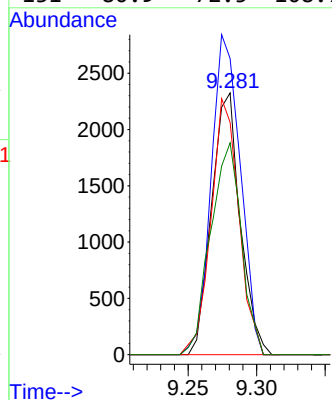
#64
Tetrachloroethene
Concen: 1.868 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:164 Resp: 3382

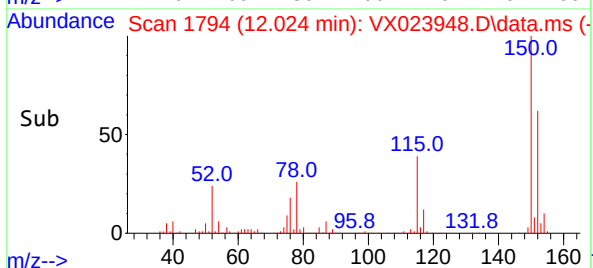
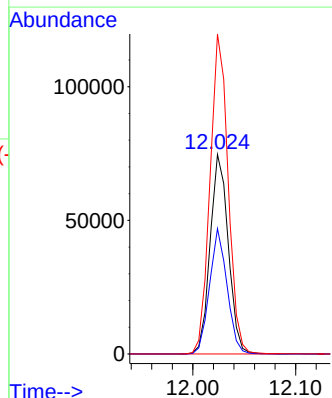
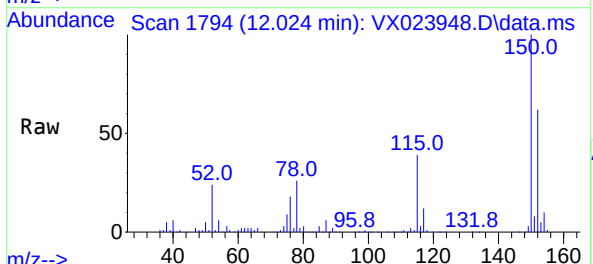
Ion	Ratio	Lower	Upper
164	100		
166	113.1	103.4	155.2
129	88.8	70.8	106.2
131	80.9	72.5	108.7

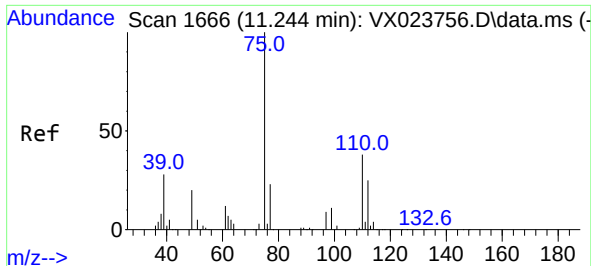


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Tgt Ion:152 Resp: 91612

Ion	Ratio	Lower	Upper
152	100		
115	60.6	41.1	123.3
150	159.8	0.0	349.0

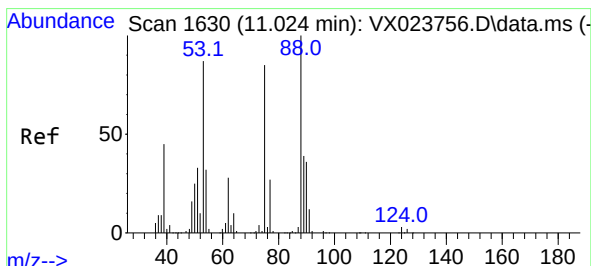
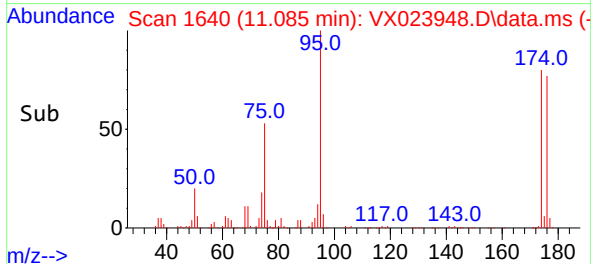
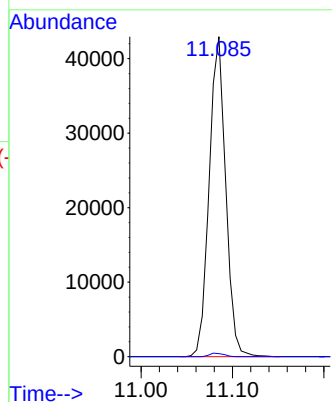
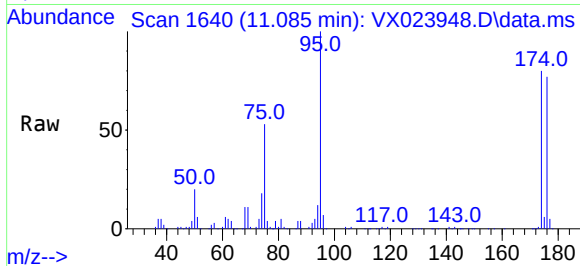




#76
1,2,3-Trichloropropane
Concen: 25.207 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

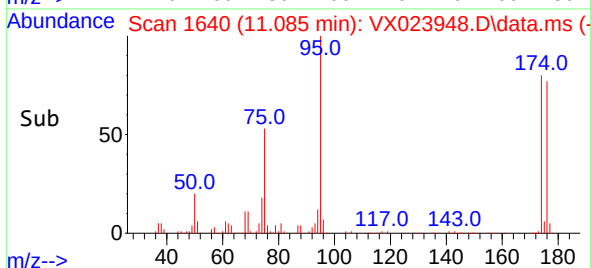
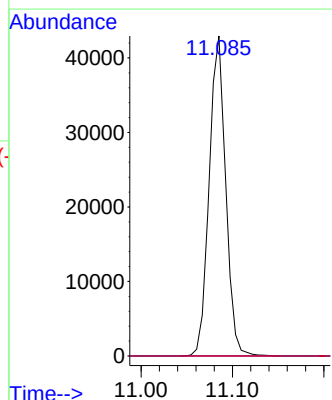
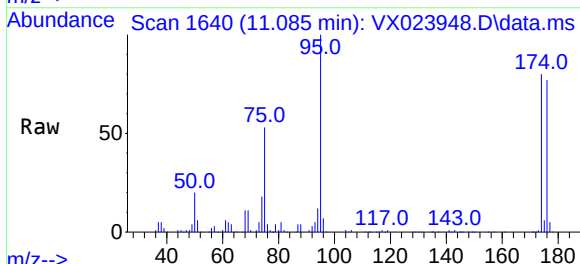
Instrument :
MSVOA_X
ClientSampled :

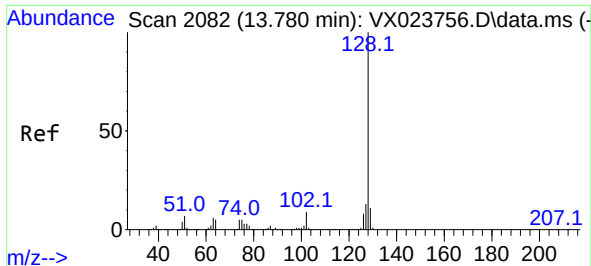
Tgt Ion: 75 Resp: 53870
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.149 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

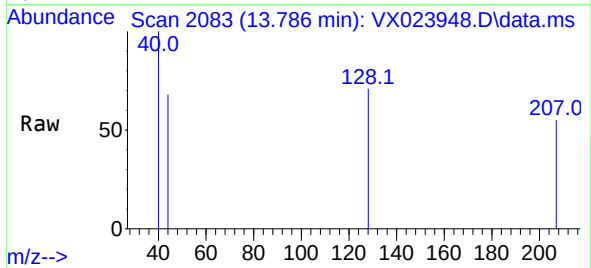
Tgt Ion: 75 Resp: 53870
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.291 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023948.D
Acq: 25 Aug 2021 19:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

