

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022881.D
 Acq On : 24 Jun 2021 20:30
 Operator : JC/MD
 Sample : M2803-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 05:40:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

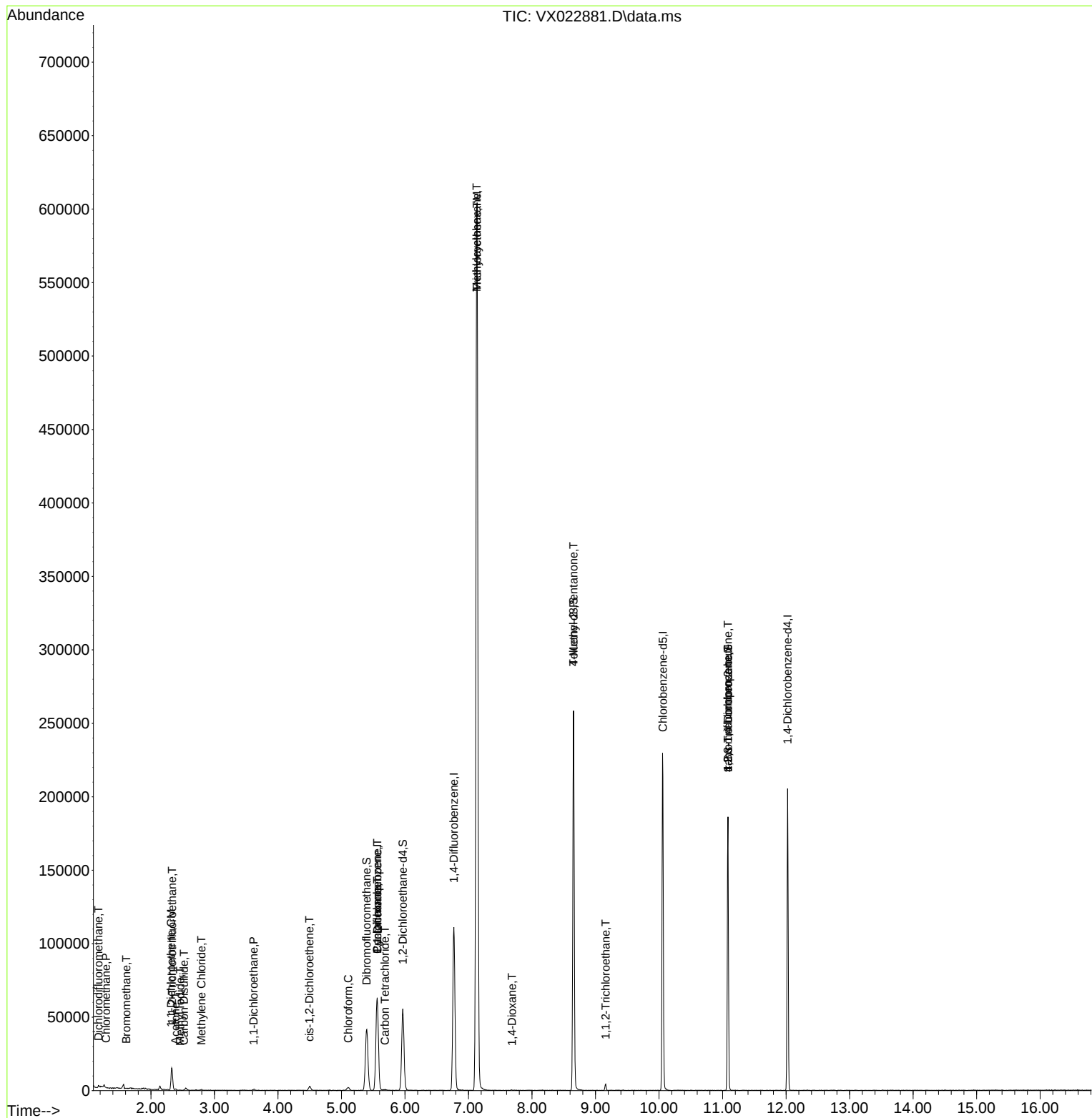
Internal Standards						
1) Pentafluorobenzene	5.562	168	52649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	107731	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	96119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35942	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50261	52.60	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.20%	
35) Dibromofluoromethane	5.397	113	35213	51.47	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.94%	
50) Toluene-d8	8.653	98	144222	53.79	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.58%	
62) 4-Bromofluorobenzene	11.085	95	49046	49.01	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	498	0.67	ug/l	95
3) Chloromethane	1.294	50	172	0.21	ug/l #	42
5) Bromomethane	1.611	94	100	0.24	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.331	101	3884	5.67	ug/l #	87
10) Methyl Iodide	2.459	142	41	3.92	ug/l #	42
12) 1,1-Dichloroethene	2.319	96	2064	3.02	ug/l	89
16) Acetone	2.386	43	1160	2.74	ug/l #	84
17) Carbon Disulfide	2.520	76	148	3.59	ug/l #	75
20) Methylene Chloride	2.794	84	206	0.62	ug/l #	63
24) 1,1-Dichloroethane	3.617	63	1150	0.80	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	1725	2.05	ug/l	91
30) Chloroform	5.105	83	2614	1.80	ug/l	100
31) Cyclohexane	5.562	56	1552	1.15	ug/l #	31
36) 1,1-Dichloropropene	5.562	75	5590	4.89	ug/l #	47
38) Carbon Tetrachloride	5.684	117	404	0.42	ug/l #	70
39) Methylcyclohexane	7.129	83	2874	2.15	ug/l #	1
44) Trichloroethene	7.135	130	207882	265.67	ug/l	94
49) 1,4-Dioxane	7.683	88	265	12.48	ug/l #	73
51) 4-Methyl-2-Pentanone	8.653	43	776	0.59	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1139	1.42	ug/l #	82
76) 1,2,3-Trichloropropane	11.085	75	26583	28.00	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	26583	72.29	ug/l #	12

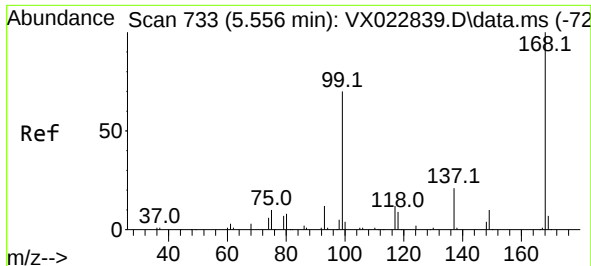
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
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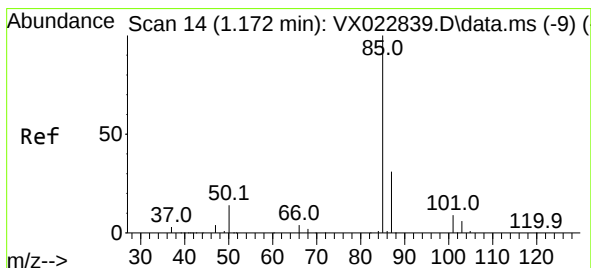
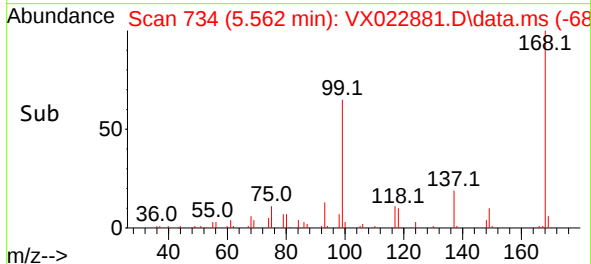
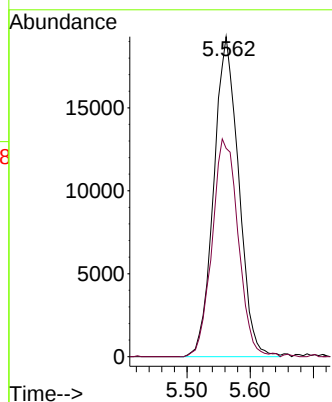
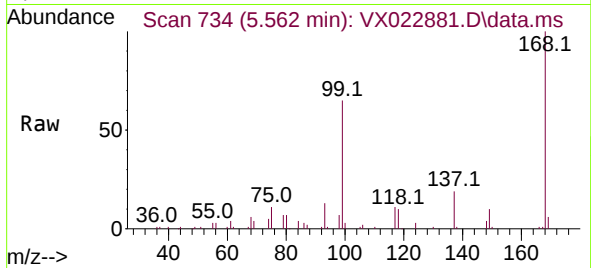




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

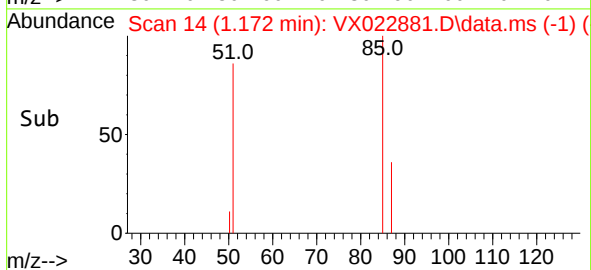
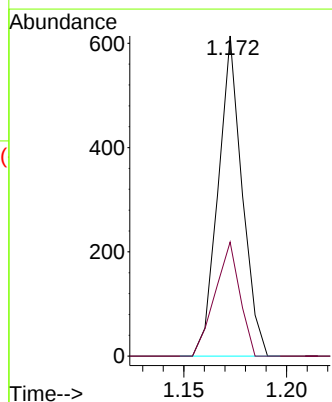
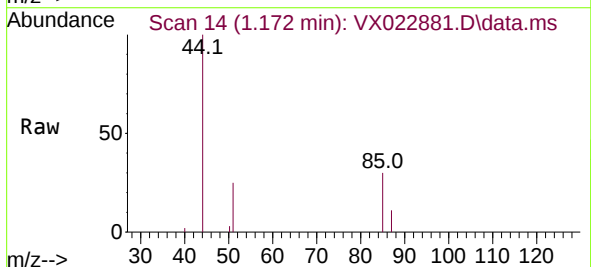
Instrument :
MSVOA_X
ClientSampled :

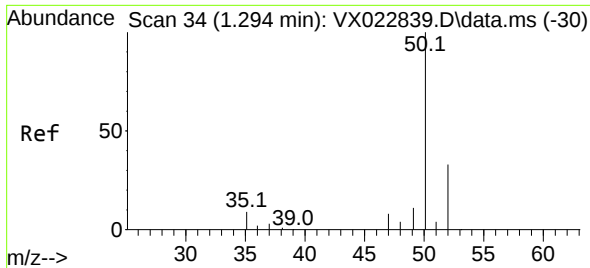
Tgt Ion:168 Resp: 52649
Ion Ratio Lower Upper
168 100
99 65.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.67 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 85 Resp: 498
Ion Ratio Lower Upper
85 100
87 35.7 16.4 49.2

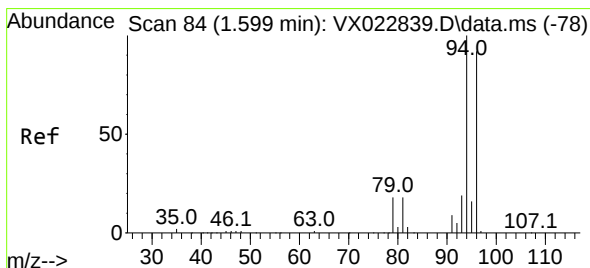
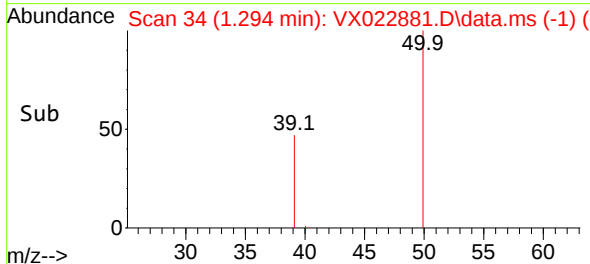
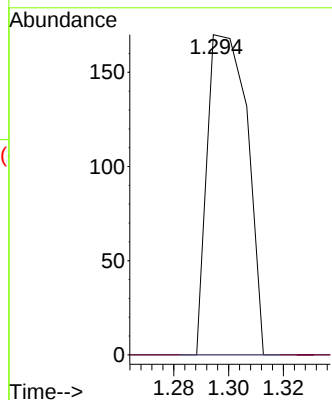
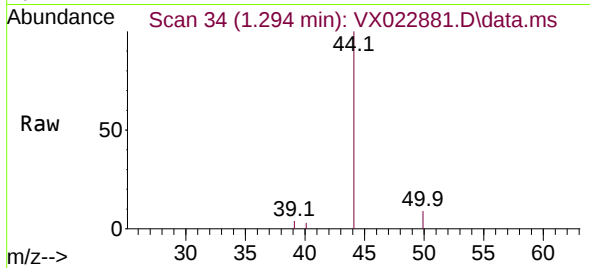




#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

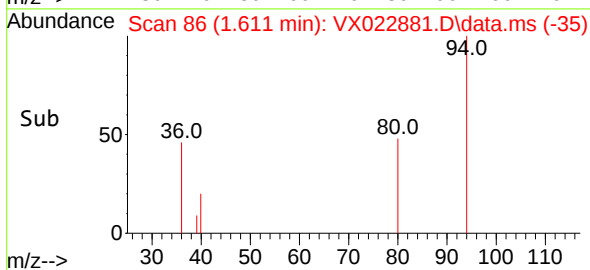
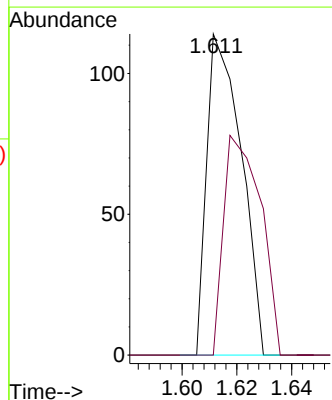
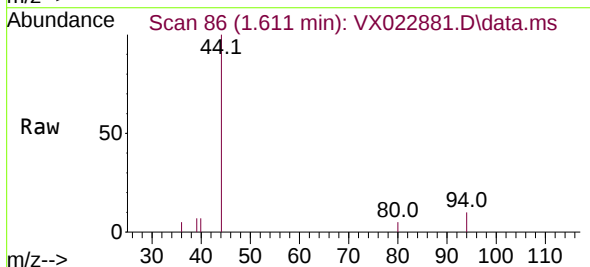
Instrument :
MSVOA_X
ClientSampled :

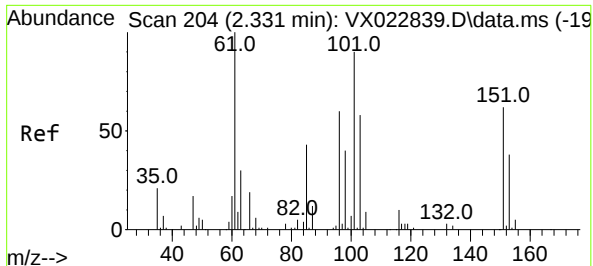
Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

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

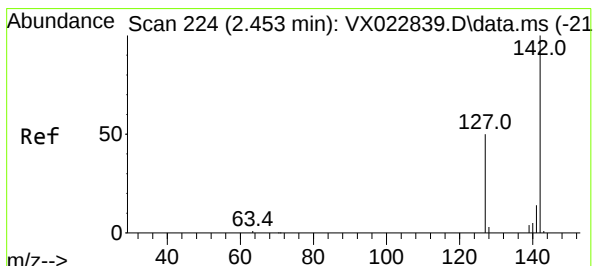
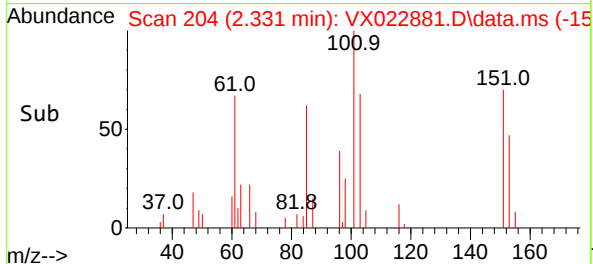
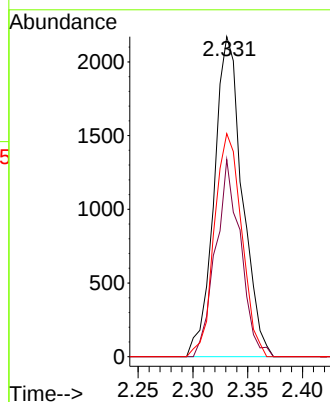
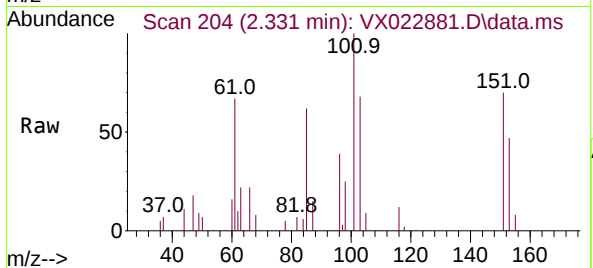




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.67 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

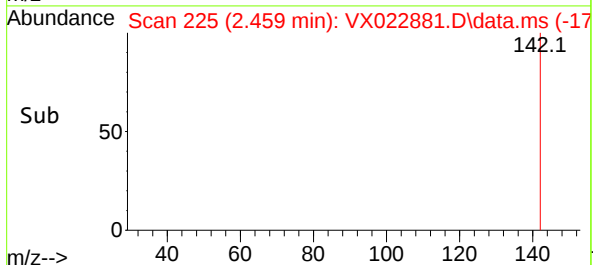
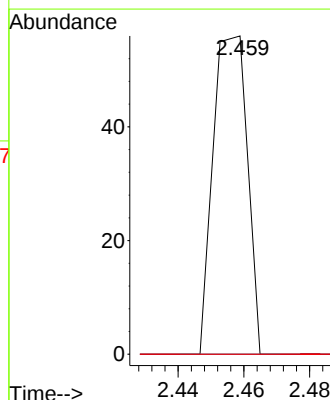
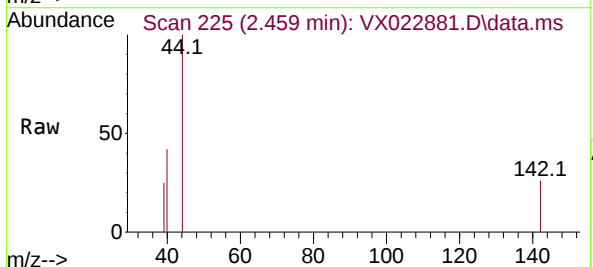
Instrument :
MSVOA_X
ClientSampled :

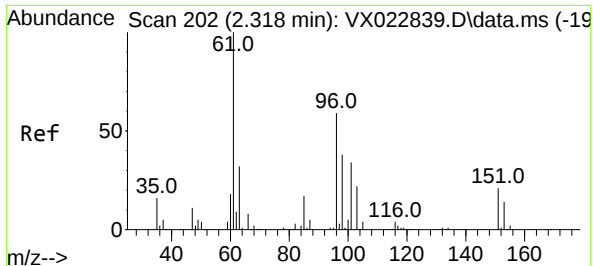
Tgt Ion:101 Resp: 3884
Ion Ratio Lower Upper
101 100
85 54.4 34.9 52.3#
151 67.6 61.4 92.2



#10
Methyl Iodide
Concen: 3.92 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 3.02 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

Tgt Ion: 96 Resp: 2064

Ion Ratio Lower Upper

96 100

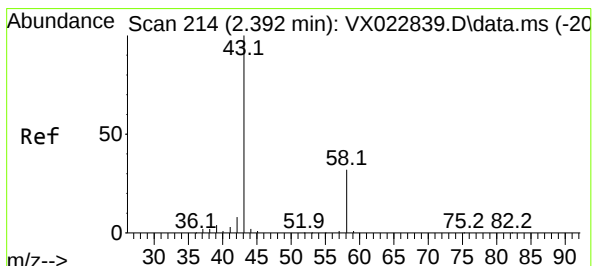
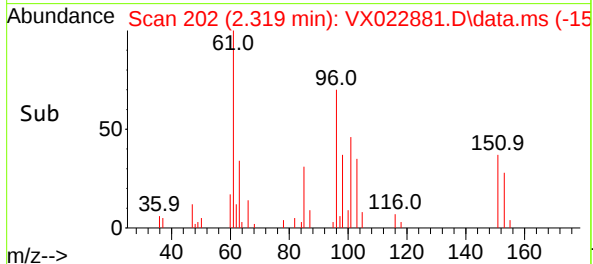
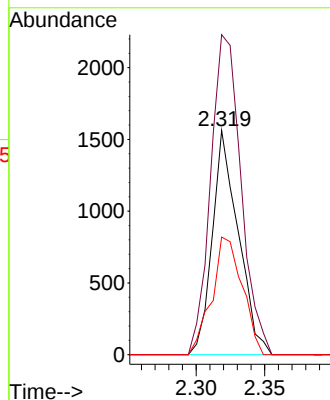
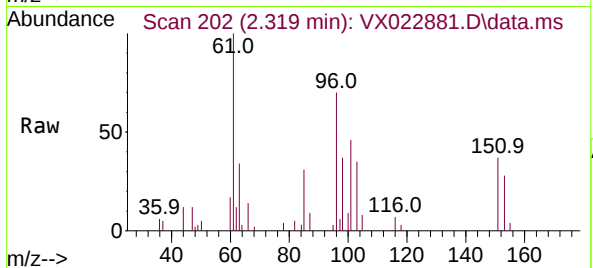
61 142.7 124.6 187.0

98 52.5 50.6 76.0

Instrument :

MSVOA_X

ClientSampled :



#16

Acetone

Concen: 2.74 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022881.D

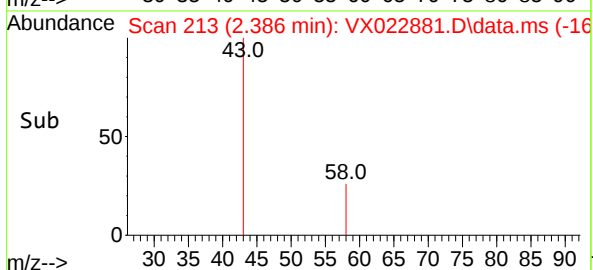
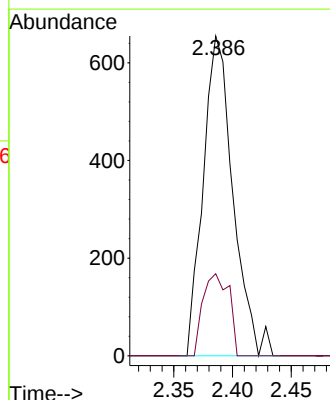
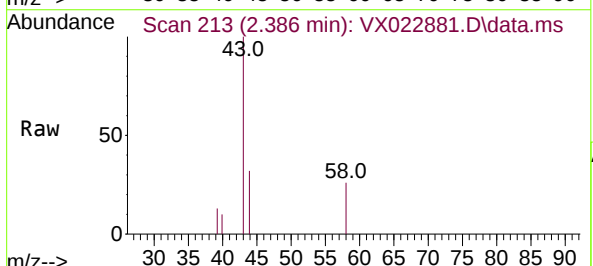
Acq: 24 Jun 2021 20:30

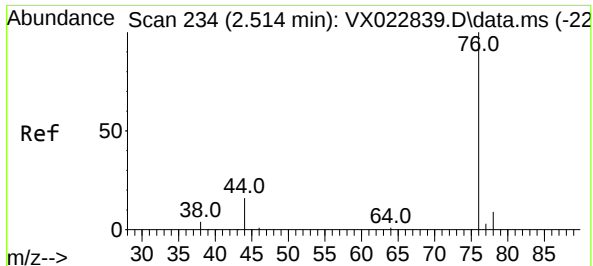
Tgt Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 25.6 27.8 41.8#

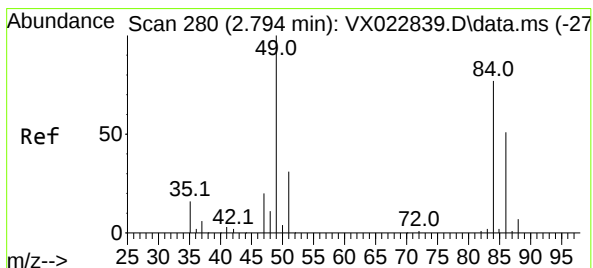
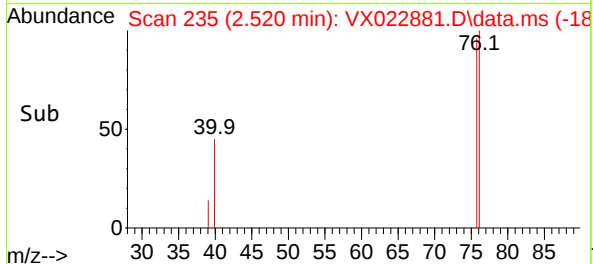
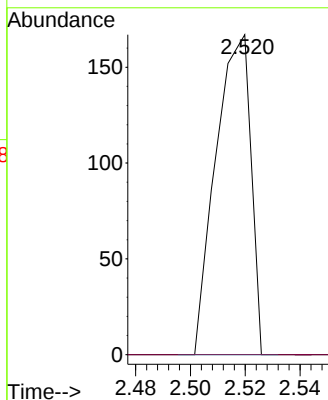
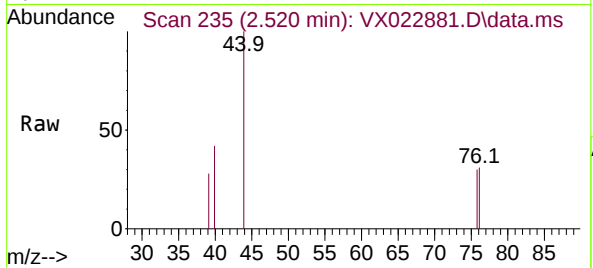




#17
Carbon Disulfide
Concen: 3.59 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

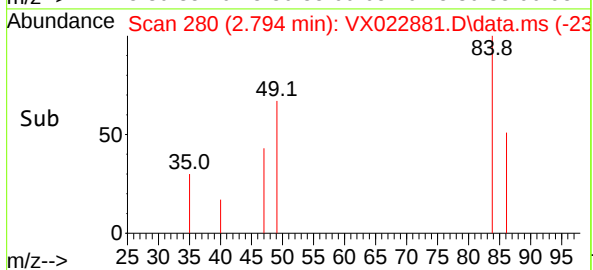
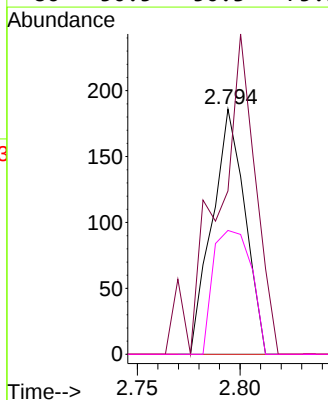
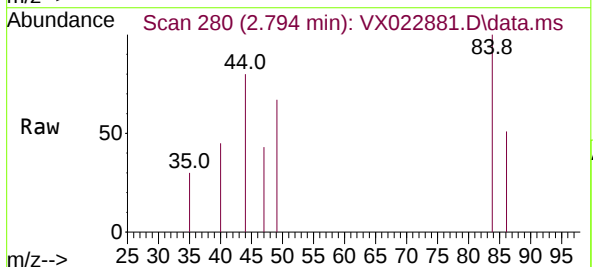
Instrument :
MSVOA_X
ClientSampled :

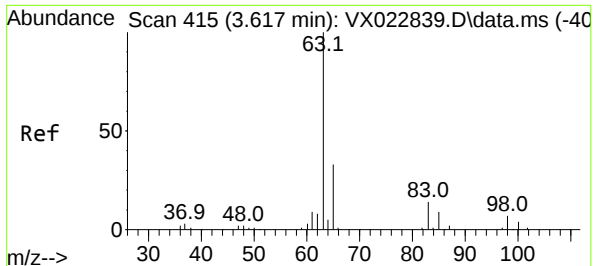
Tgt Ion: 76 Resp: 148
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.62 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 84 Resp: 206
Ion Ratio Lower Upper
84 100
49 66.7 88.6 132.8#
51 0.0 27.0 40.6#
86 50.5 50.3 75.5

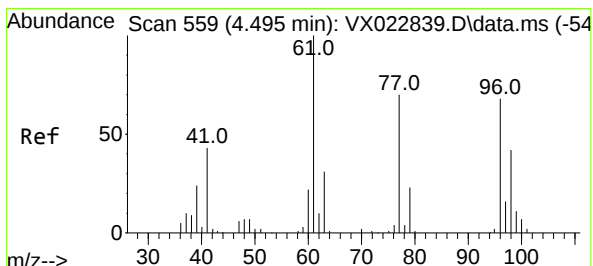
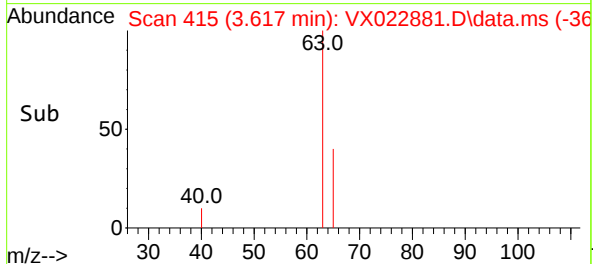
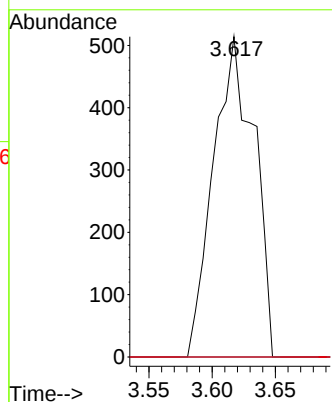
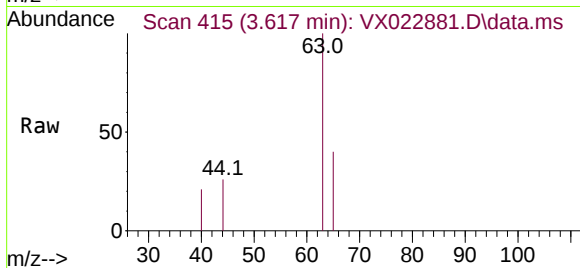




#24
1,1-Dichloroethane
Concen: 0.80 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

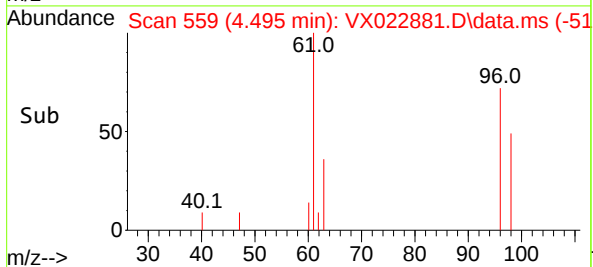
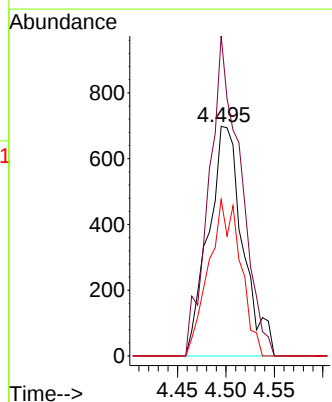
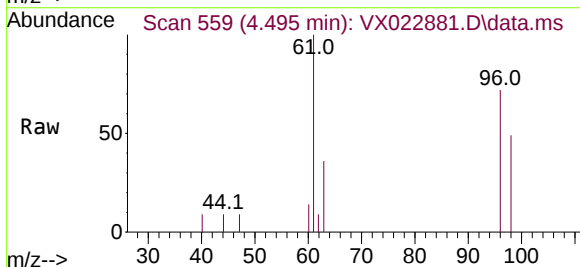
Instrument :
MSVOA_X
ClientSampled :

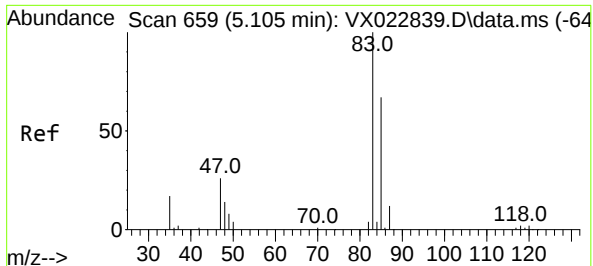
Tgt Ion: 63 Resp: 1150
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.05 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 96 Resp: 1725
Ion Ratio Lower Upper
96 100
61 128.5 0.0 285.6
98 63.2 0.0 129.6





#30

Chloroform

Concen: 1.80 ug/l

RT: 5.105 min Scan# 659

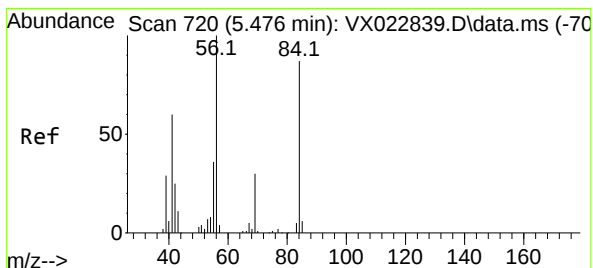
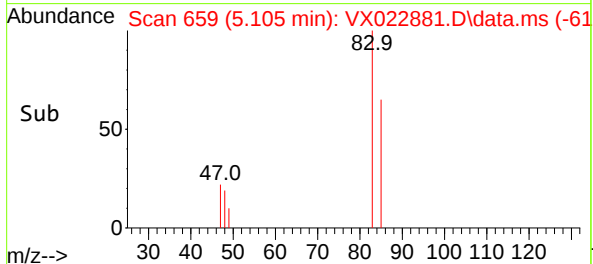
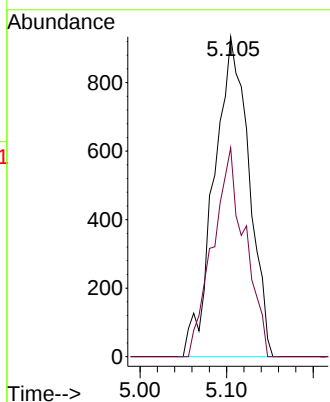
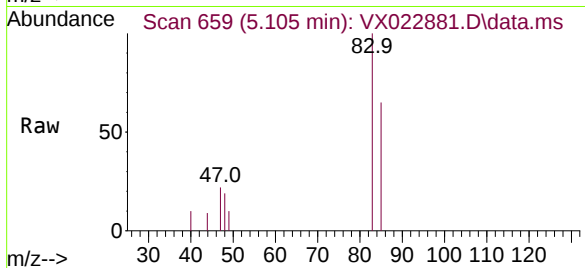
Delta R.T. -0.000 min

Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

Tgt Ion: 83 Resp: 2614

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 5.562 min Scan# 734

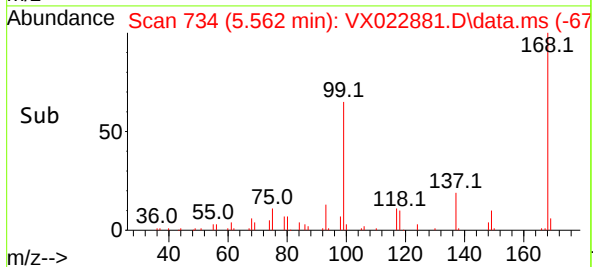
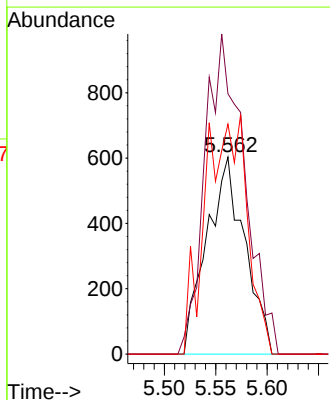
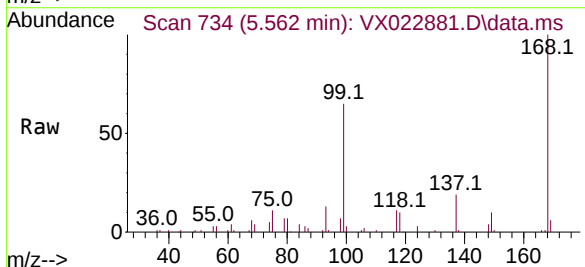
Delta R.T. 0.086 min

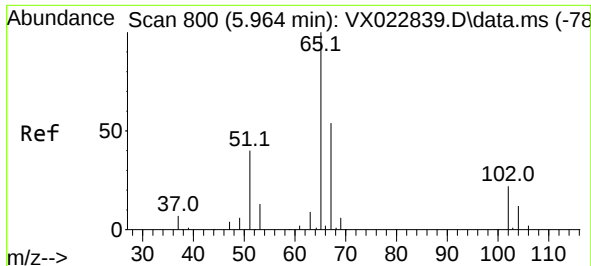
Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

Tgt Ion: 56 Resp: 1552

Ion	Ratio	Lower	Upper
56	100		
69	132.2	25.3	37.9#
84	116.7	71.4	107.0#

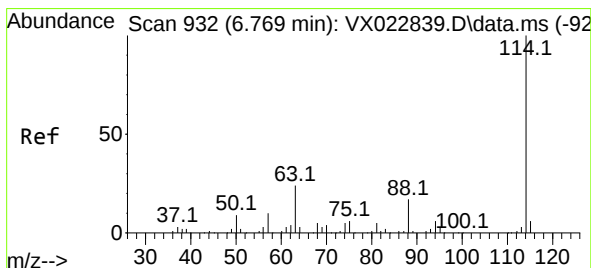
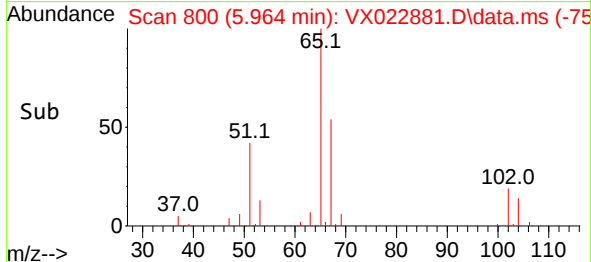
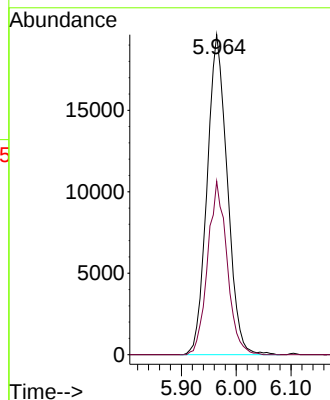
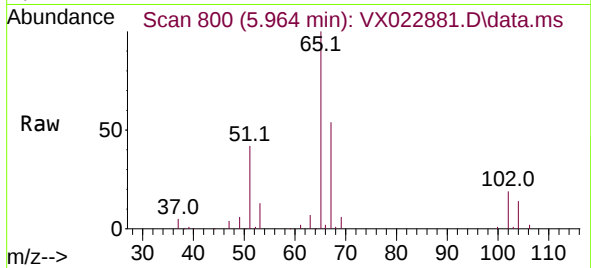




#33
 1,2-Dichloroethane-d4
 Concen: 52.60 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX022881.D
 Acq: 24 Jun 2021 20:30

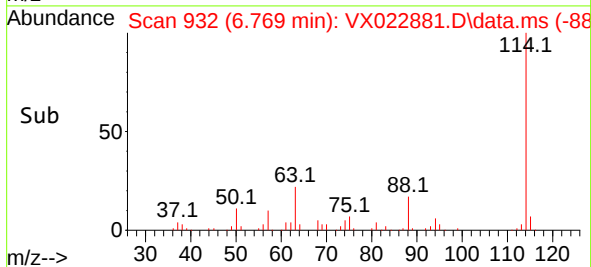
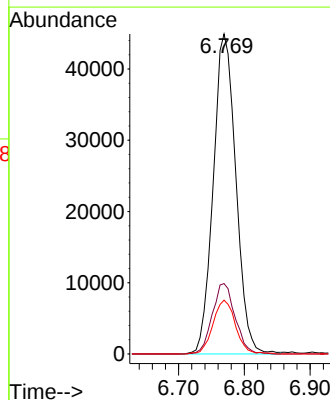
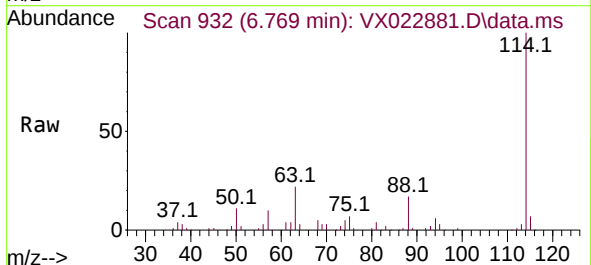
Instrument :
 MSVOA_X
 ClientSampled :

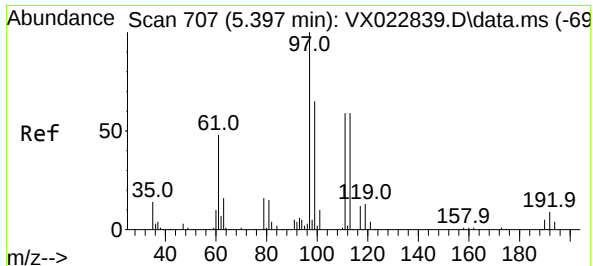
Tgt Ion: 65 Resp: 50261
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX022881.D
 Acq: 24 Jun 2021 20:30

Tgt Ion: 114 Resp: 107731
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.8
 88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.47 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

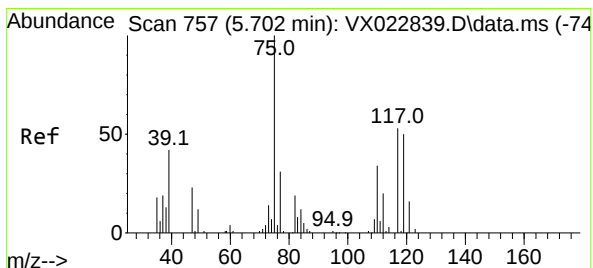
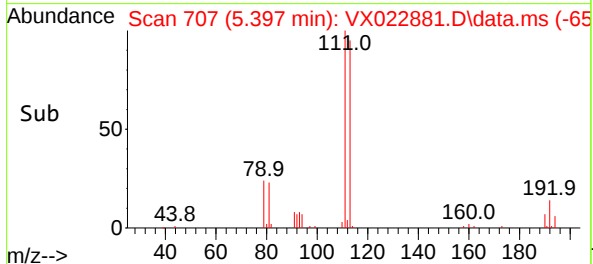
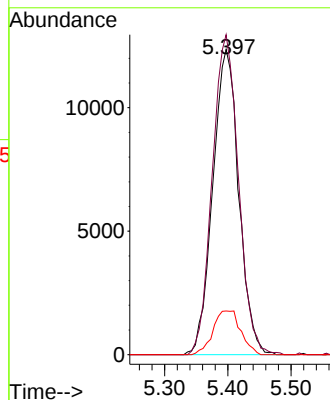
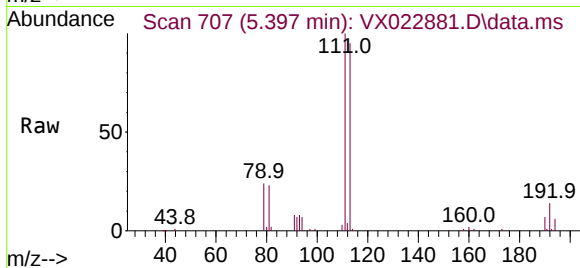
Tgt Ion:113 Resp: 35213

Ion Ratio Lower Upper

113 100

111 105.6 81.9 122.9

192 15.3 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.89 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

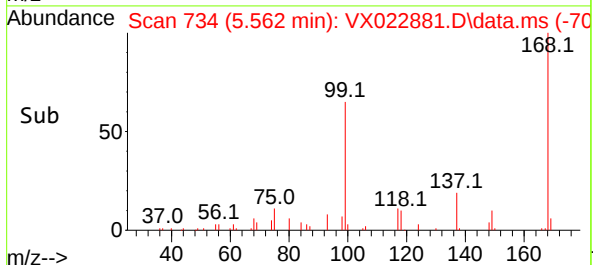
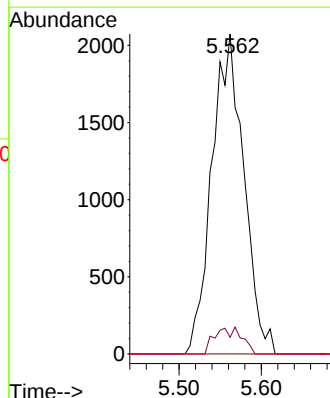
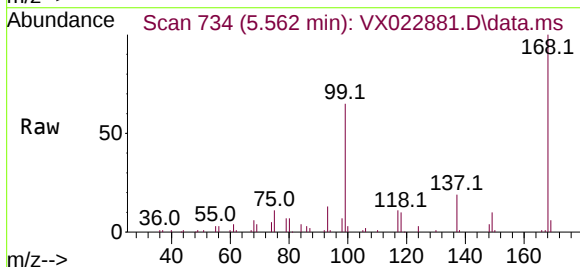
Tgt Ion: 75 Resp: 5590

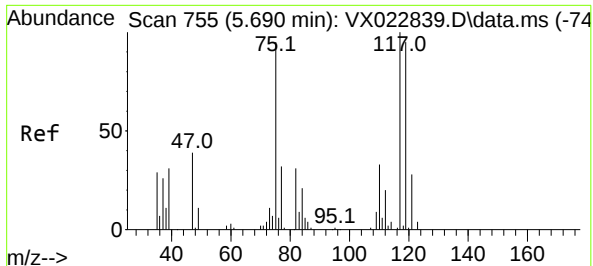
Ion Ratio Lower Upper

75 100

110 7.0 18.1 54.4#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 0.42 ug/l

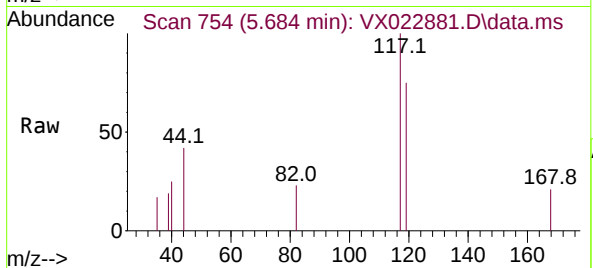
RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

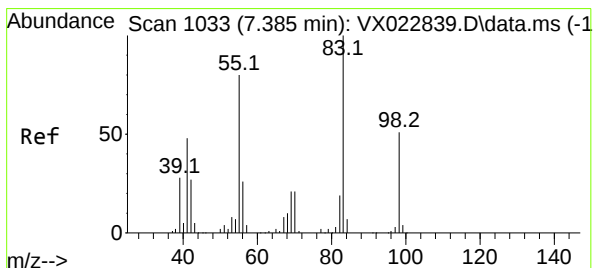
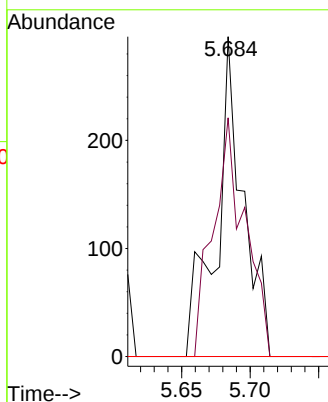
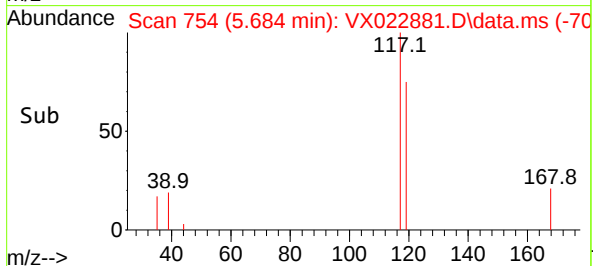
Lab File: VX022881.D

Acq: 24 Jun 2021 20:30

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	117	Resp:	404
Ion	Ratio	Lower	Upper
117	100		
119	74.7	76.2	114.2#
121	0.0	24.8	37.2#



#39

Methylcyclohexane

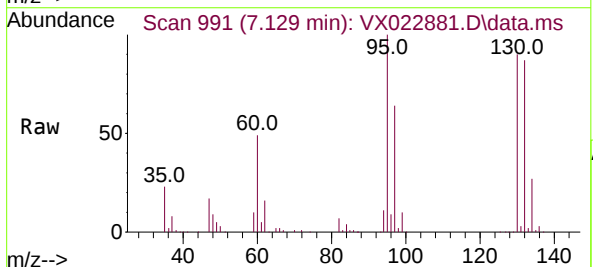
Concen: 2.15 ug/l

RT: 7.129 min Scan# 991

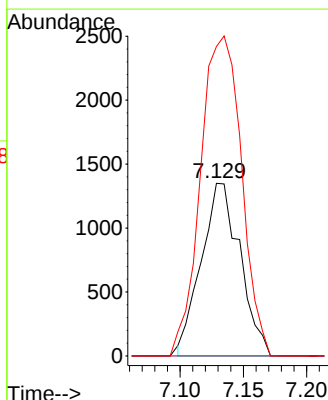
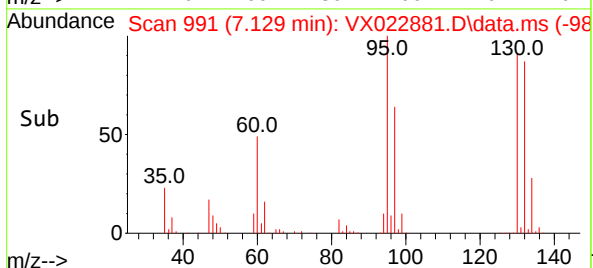
Delta R.T. -0.256 min

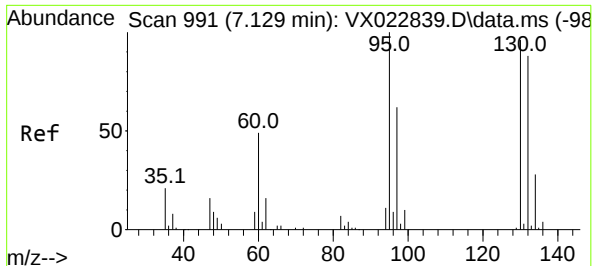
Lab File: VX022881.D

Acq: 24 Jun 2021 20:30



Tgt Ion:	83	Resp:	2874
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	179.3	38.1	57.1#

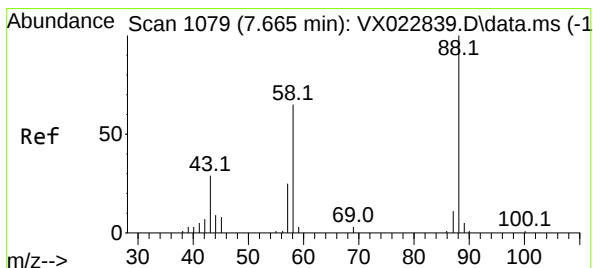
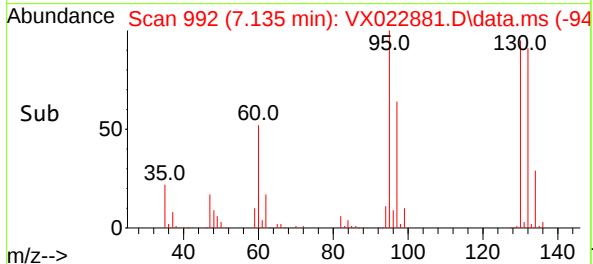
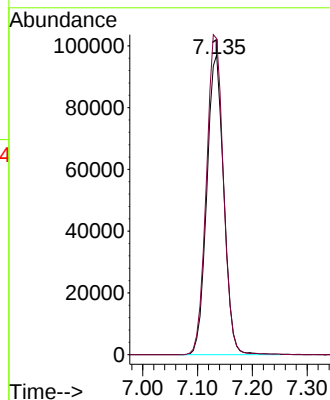
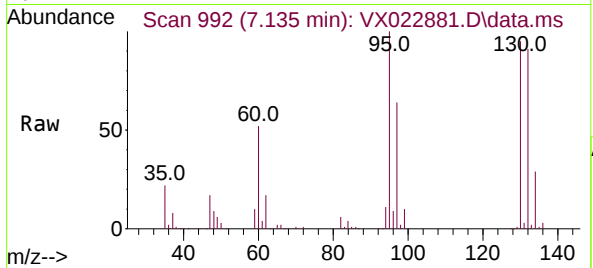




#44
Trichloroethene
Concen: 265.67 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

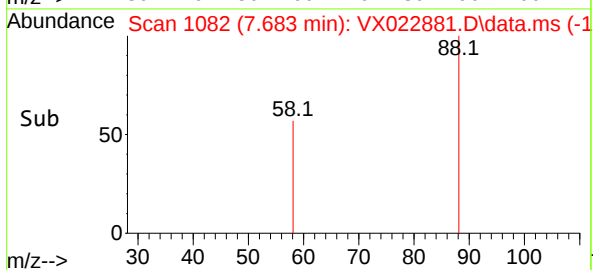
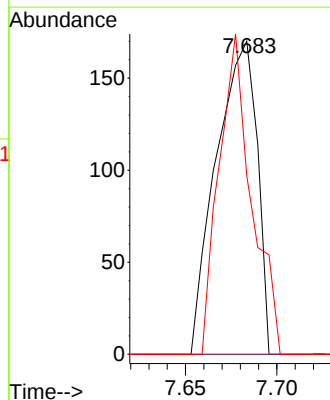
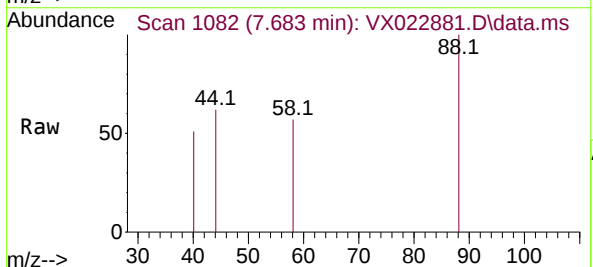
Instrument :
MSVOA_X
ClientSampled :

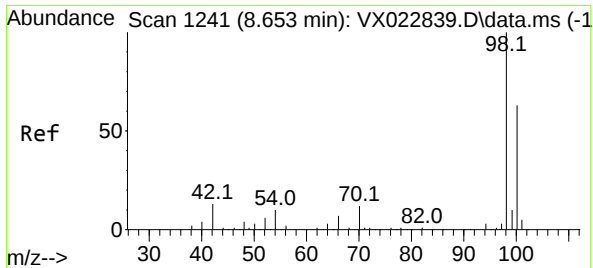
Tgt Ion:130 Resp: 207882
Ion Ratio Lower Upper
130 100
95 105.4 0.0 198.0



#49
1,4-Dioxane
Concen: 12.48 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 81.1 55.0 82.4

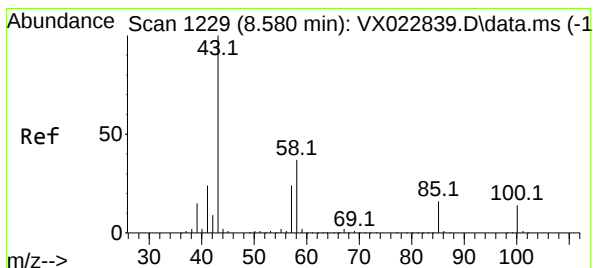
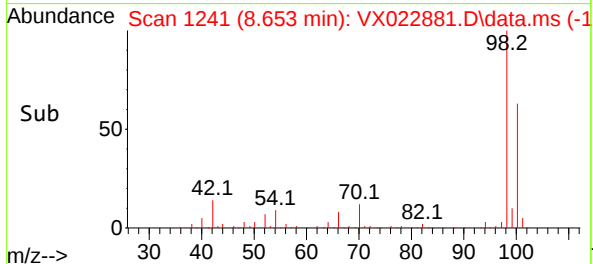
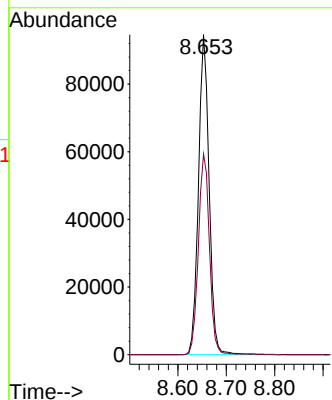
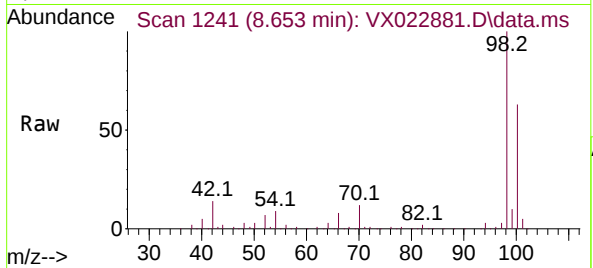




#50
Toluene-d8
Concen: 53.79 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

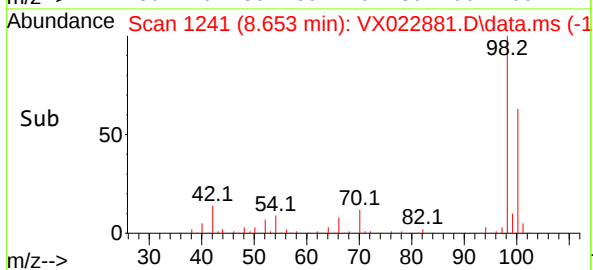
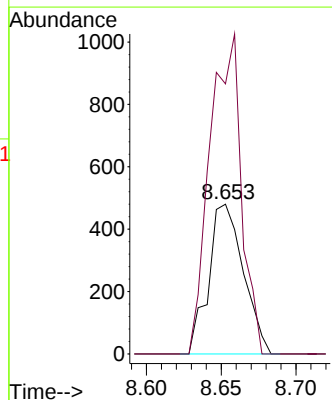
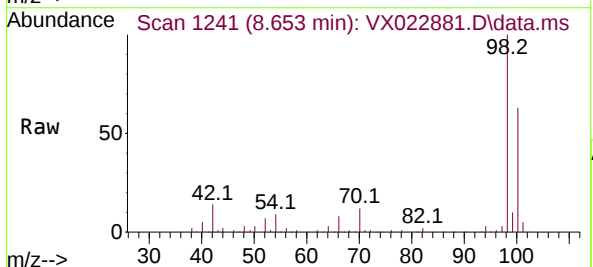
Instrument :
MSVOA_X
ClientSampled :

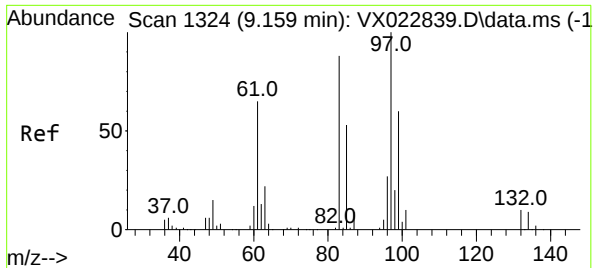
Tgt Ion: 98 Resp: 144222
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 193.9 35.4 53.0#

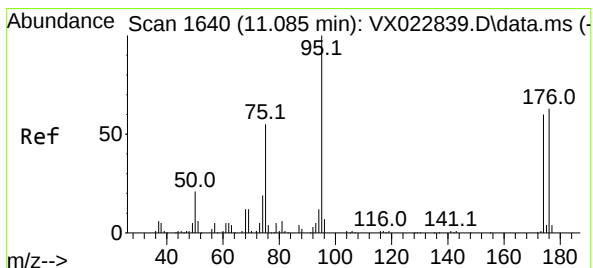
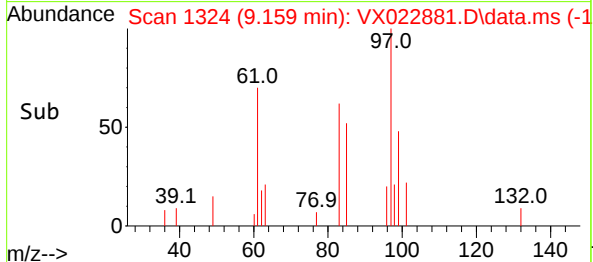
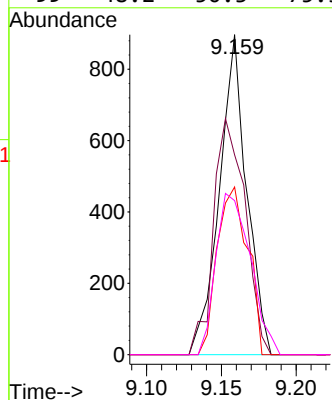
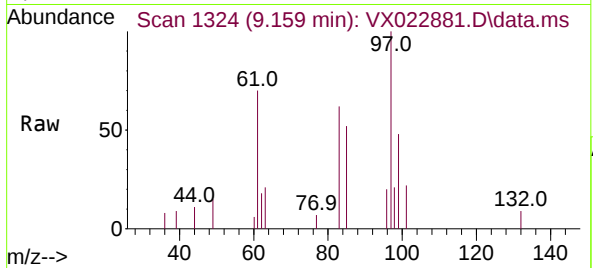




#55
1,1,2-Trichloroethane
Concen: 1.42 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

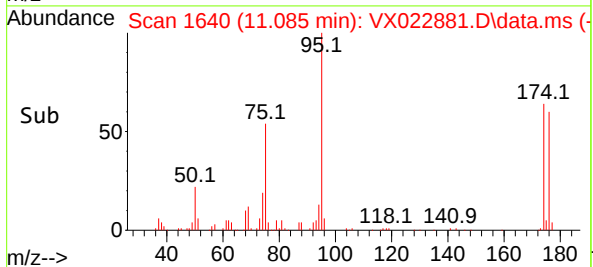
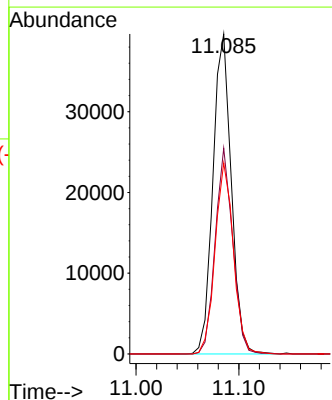
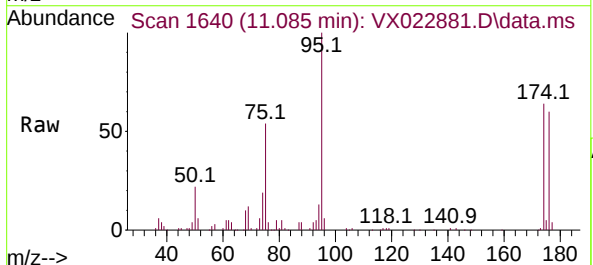
Instrument :
MSVOA_X
ClientSampleId :

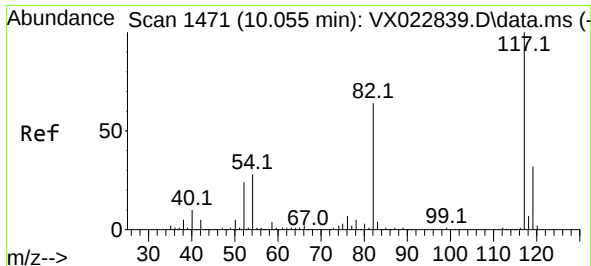
Tgt Ion: 97	Resp: 1139
Ion Ratio	Lower Upper
97 100	
83 62.4	69.3 103.9#
85 52.4	44.3 66.5
99 48.2	50.3 75.5#



#62
4-Bromofluorobenzene
Concen: 49.01 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 95	Resp: 49046
Ion Ratio	Lower Upper
95 100	
174 61.5	0.0 154.6
176 59.7	0.0 155.8

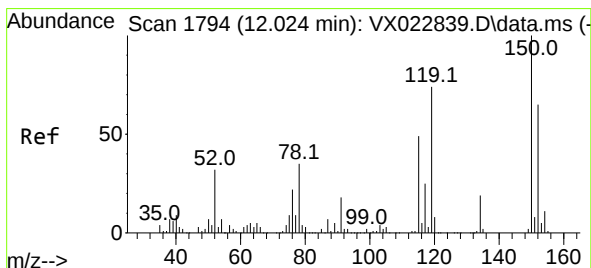
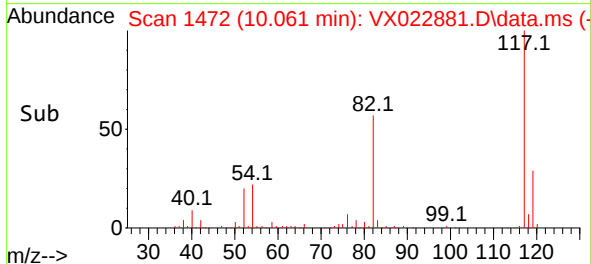
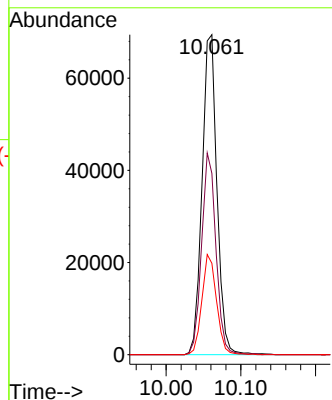
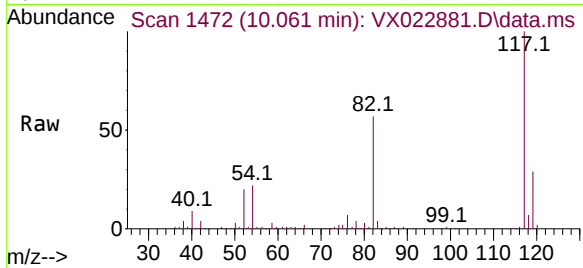




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

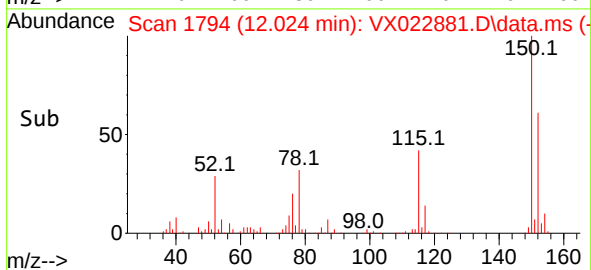
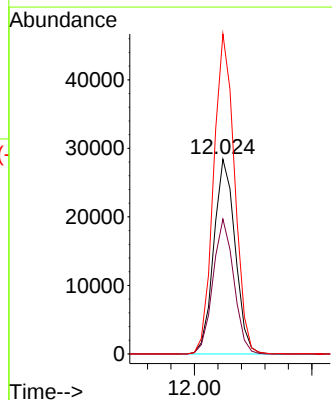
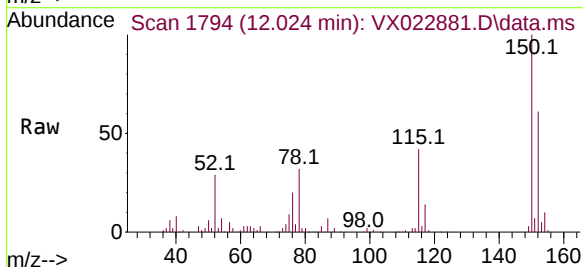
Instrument :
MSVOA_X
ClientSampled :

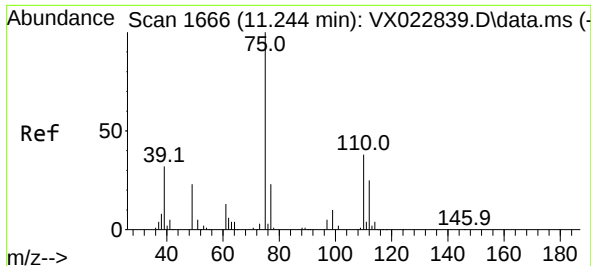
Tgt Ion:117 Resp: 96119
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 28.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion:152 Resp: 35942
Ion Ratio Lower Upper
152 100
115 67.5 41.1 123.3
150 161.0 0.0 349.0

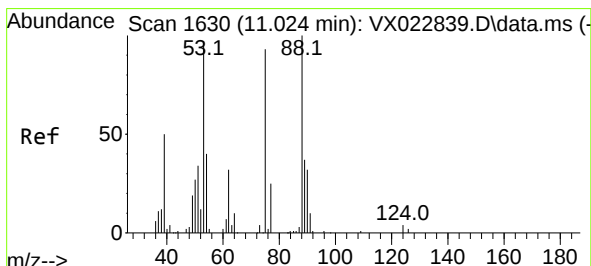
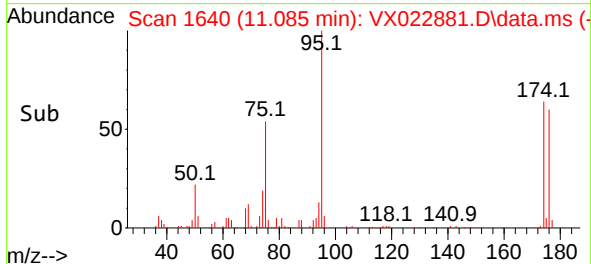
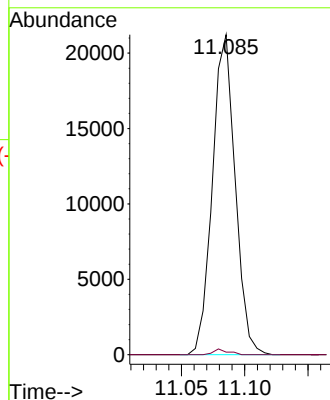
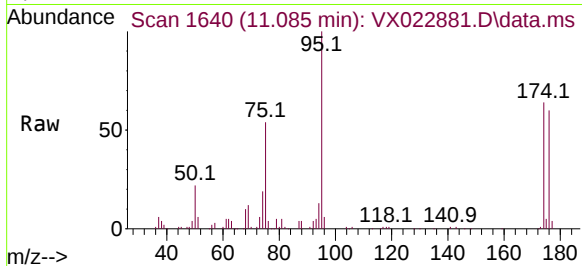




#76
1,2,3-Trichloropropane
Concen: 28.00 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 26583
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.29 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022881.D
Acq: 24 Jun 2021 20:30

Tgt Ion: 75 Resp: 26583
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

