

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022917.D
 Acq On : 25 Jun 2021 12:54
 Operator : JC/MD
 Sample : M2803-18 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20210621

Quant Time: Jun 26 03:52:53 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)

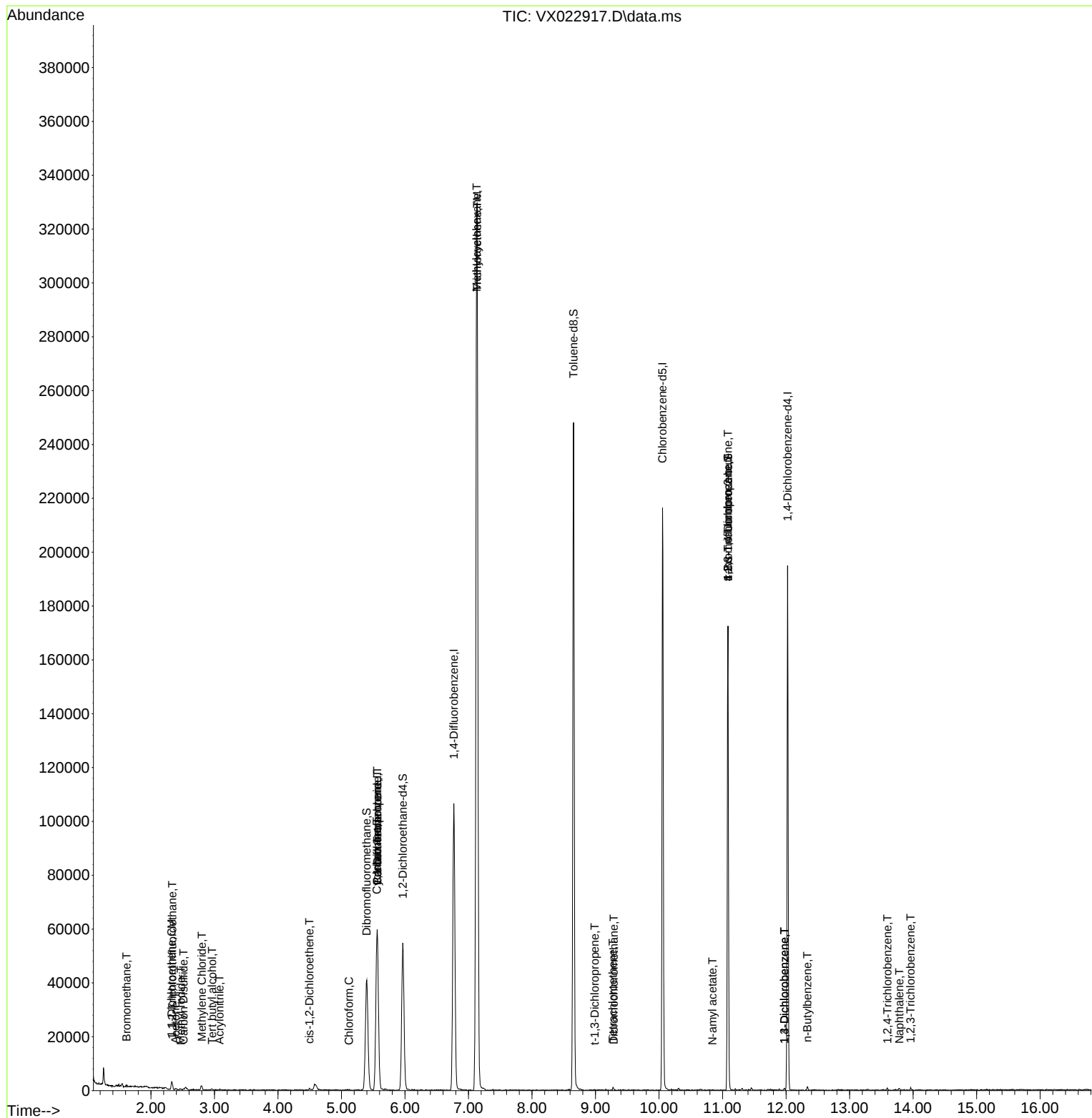
Internal Standards						
1) Pentafluorobenzene	5.562	168	50774	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	100334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	32577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49092	53.28	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.56%			
35) Dibromofluoromethane	5.397	113	35087	55.07	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.14%			
50) Toluene-d8	8.653	98	138593	55.50	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.00%			
62) 4-Bromofluorobenzene	11.085	95	45745	49.09	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.18%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	112	0.28	ug/l	# 70
9) 1,1,2-Trichlorotrifluo...	2.337	101	764	1.16	ug/l	94
10) Methyl Iodide	2.471	142	340	4.27	ug/l	# 90
11) Tert butyl alcohol	2.965	59	265	1.38	ug/l	# 73
12) 1,1-Dichloroethene	2.325	96	348	0.53	ug/l	94
15) Acrylonitrile	3.081	53	104	0.24	ug/l	# 18
16) Acetone	2.386	43	492	1.20	ug/l	98
17) Carbon Disulfide	2.514	76	484	3.77	ug/l	# 75
20) Methylene Chloride	2.800	84	705	1.24	ug/l	# 89
27) cis-1,2-Dichloroethene	4.495	96	239	0.29	ug/l	77
30) Chloroform	5.117	83	316	0.23	ug/l	# 65
31) Cyclohexane	5.556	56	1632	1.25	ug/l	# 32
36) 1,1-Dichloropropene	5.562	75	5214	4.89	ug/l	# 45
38) Carbon Tetrachloride	5.562	117	5799	6.49	ug/l	# 15
39) Methylcyclohexane	7.129	83	1595	1.28	ug/l	# 1
44) Trichloroethene	7.135	130	114580	157.23	ug/l	95
53) t-1,3-Dichloropropene	8.988	75	22	3.68	ug/l	# 44
60) Dibromochloromethane	9.287	129	192	3.89	ug/l	# 11
64) Tetrachloroethene	9.275	164	157	0.25	ug/l	# 57
74) N-amyl acetate	10.841	43	41	2.08	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	25080	29.15	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	25080	74.98	ug/l	# 12
87) 1,3-Dichlorobenzene	11.975	146	314	0.28	ug/l	84
88) 1,4-Dichlorobenzene	11.975	146	314	0.27	ug/l	84
89) n-Butylbenzene	12.335	91	493	0.23	ug/l	# 80
93) 1,2,4-Trichlorobenzene	13.597	180	278	0.46	ug/l	82
95) Naphthalene	13.786	128	690	2.17	ug/l	# 79
96) 1,2,3-Trichlorobenzene	13.963	180	198	0.33	ug/l	85

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

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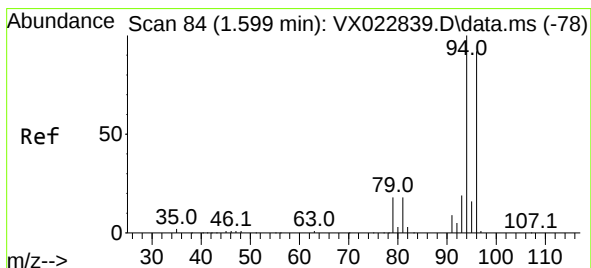
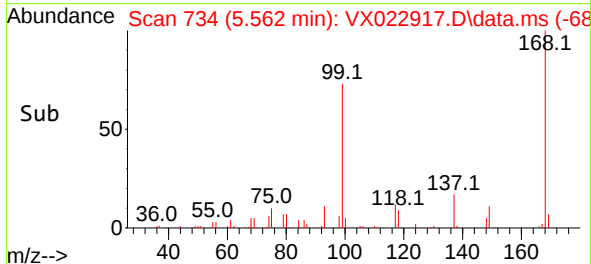
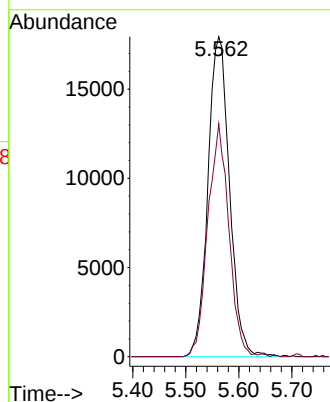
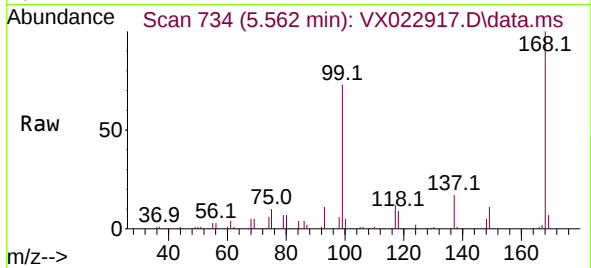




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

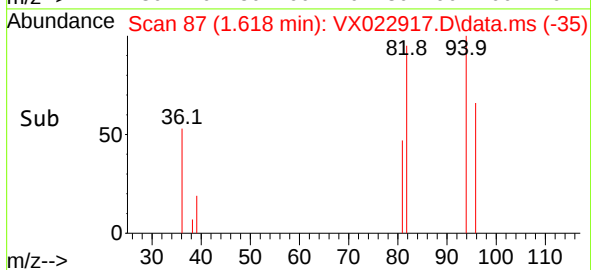
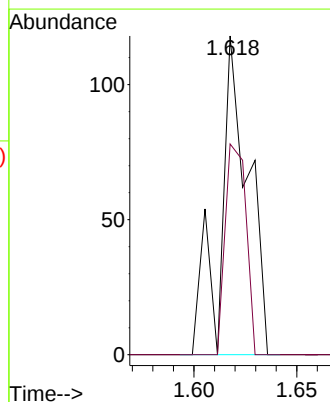
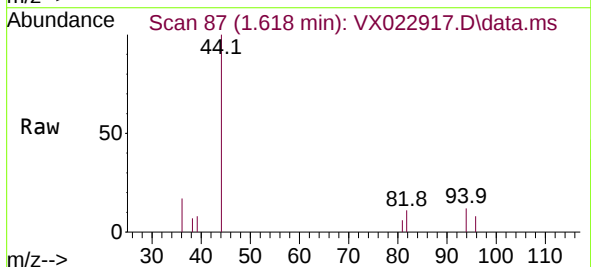
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

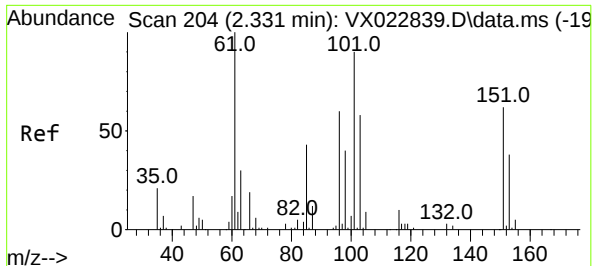
Tgt Ion:168 Resp: 50774
Ion Ratio Lower Upper
168 100
99 72.8 45.8 68.6#



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 66.1 76.4 114.6#

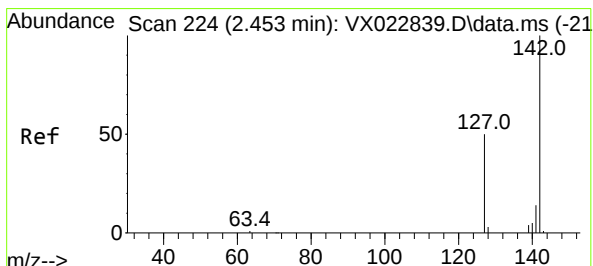
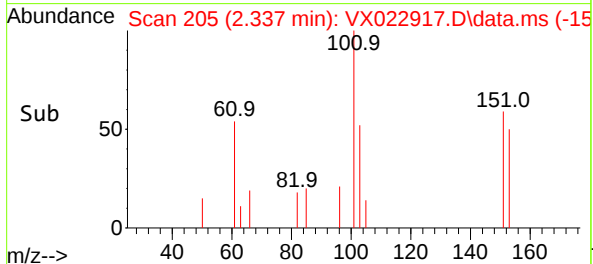
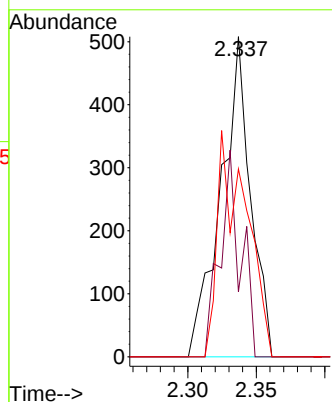
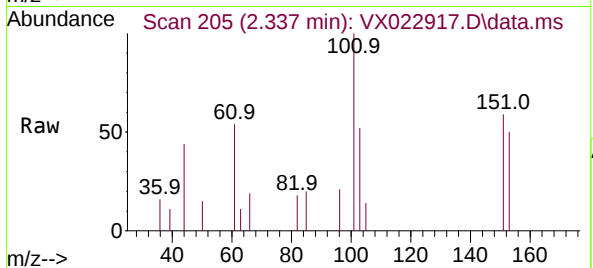




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.16 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

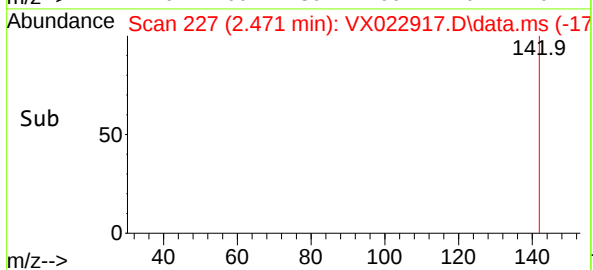
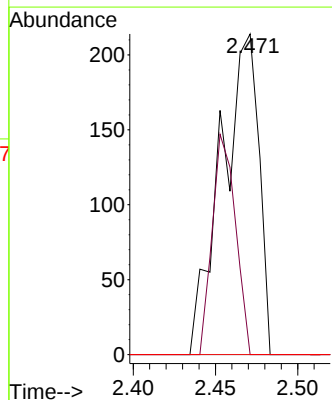
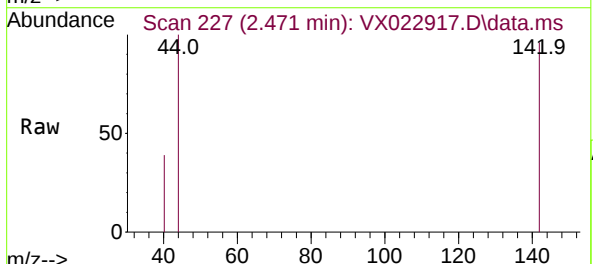
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

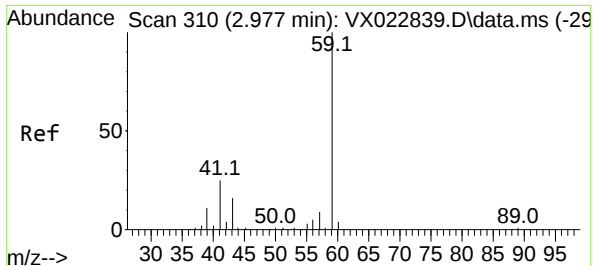
Tgt Ion:101	Resp:	764
Ion	Ratio	Lower Upper
101	100	
85	44.4	34.9 52.3
151	69.0	61.4 92.2



#10
Methyl Iodide
Concen: 4.27 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion:142	Resp:	340
Ion	Ratio	Lower Upper
142	100	
127	42.6	33.3 49.9
141	0.0	11.4 17.0#



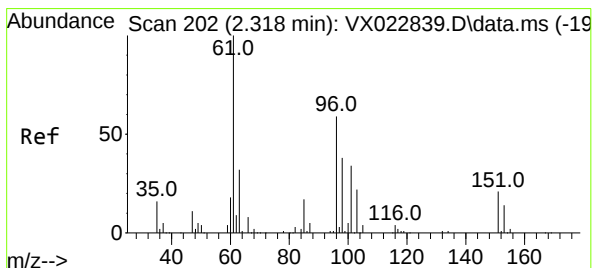
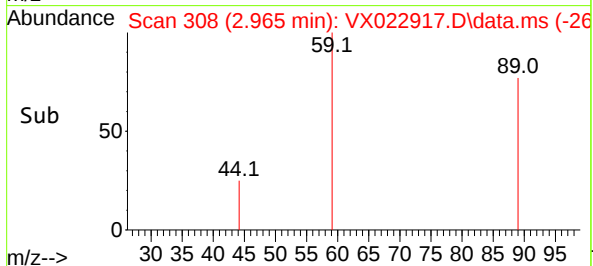
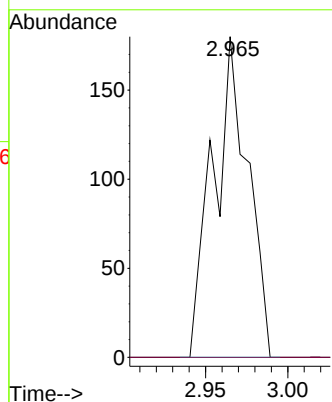
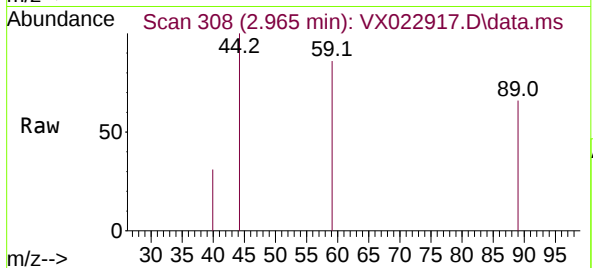


#11

Tert butyl alcohol
Concen: 1.38 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

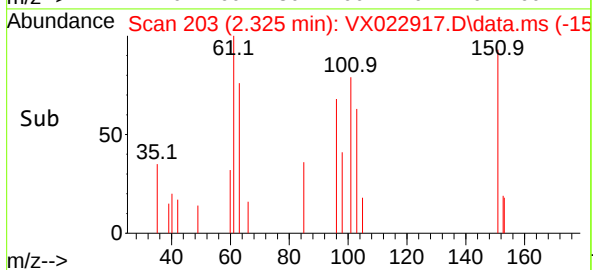
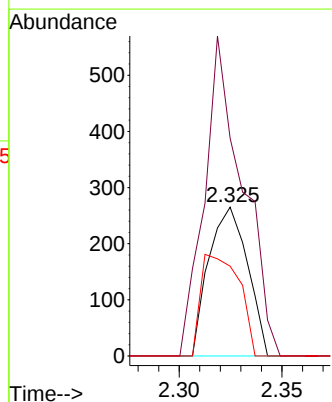
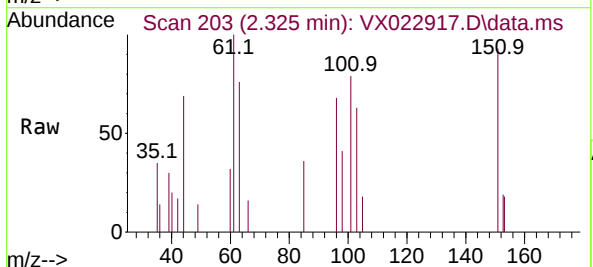
Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

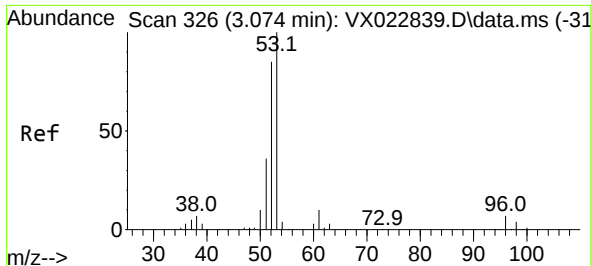


#12

1,1-Dichloroethene
Concen: 0.53 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 96 Resp: 348
Ion Ratio Lower Upper
96 100
61 146.4 124.6 187.0
98 60.4 50.6 76.0

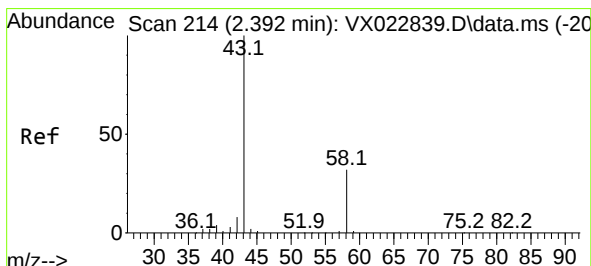
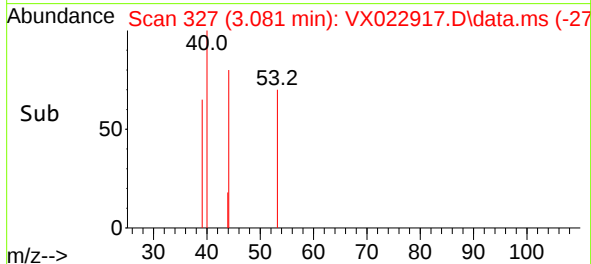
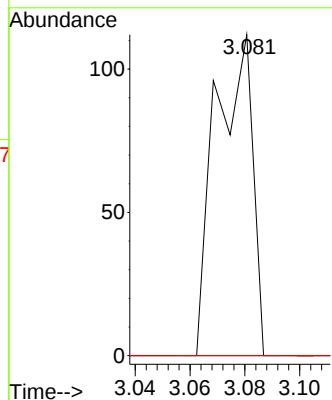
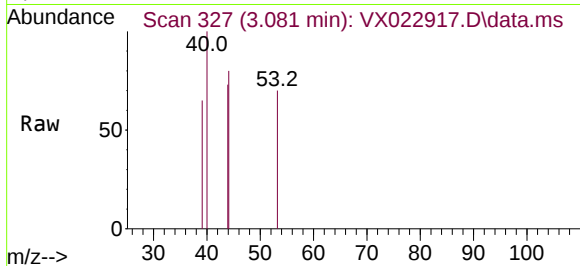




#15
Acrylonitrile
Concen: 0.24 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.007 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

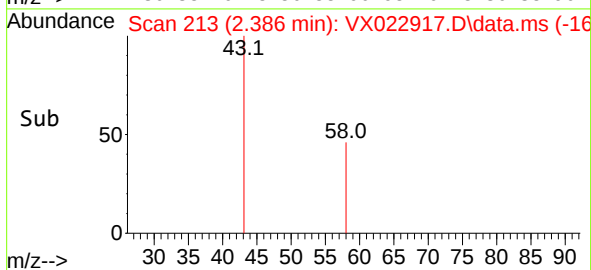
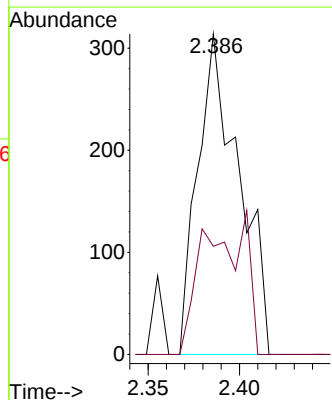
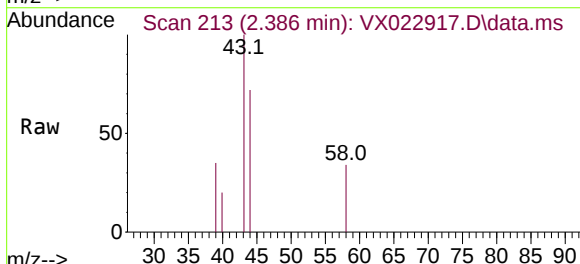
Instrument :
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ClientSampleId :
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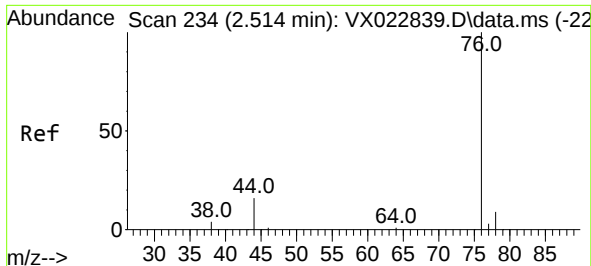
Tgt Ion: 53 Resp: 104
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.2 42.2#



#16
Acetone
Concen: 1.20 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 33.8 27.8 41.8

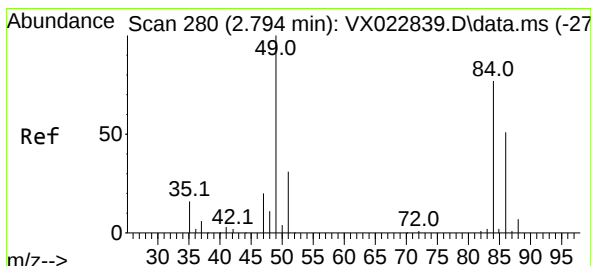
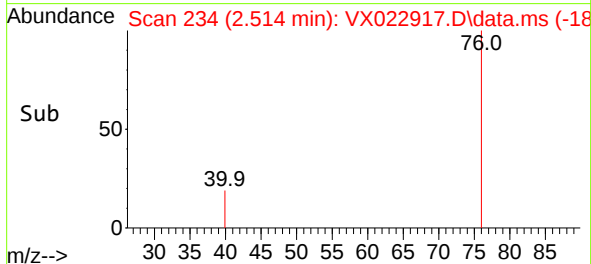
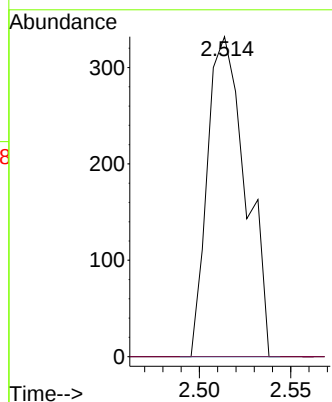
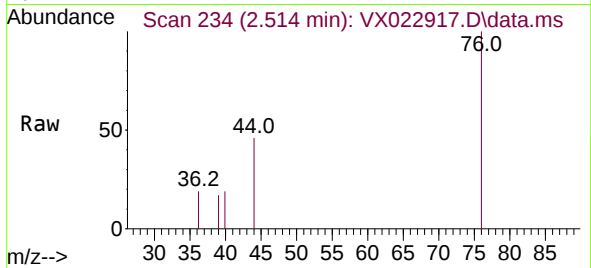




#17
Carbon Disulfide
Concen: 3.77 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

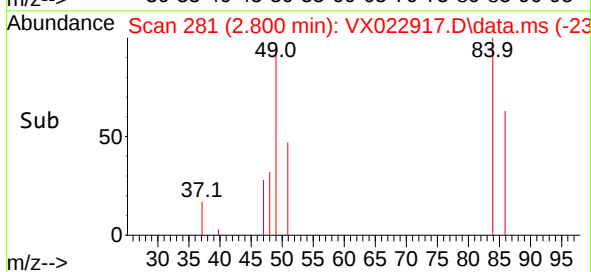
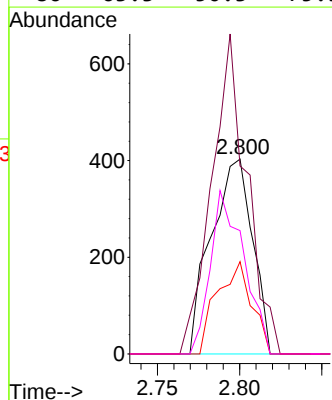
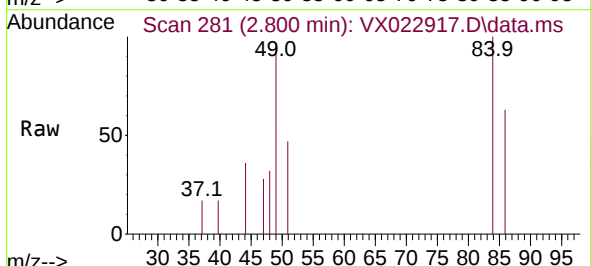
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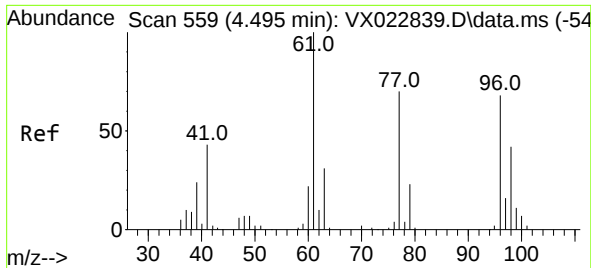
Tgt Ion: 76 Resp: 484
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 1.24 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 84 Resp: 705
Ion Ratio Lower Upper
84 100
49 96.5 88.6 132.8
51 47.4 27.0 40.6#
86 63.3 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.29 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

Tgt Ion: 96 Resp: 239

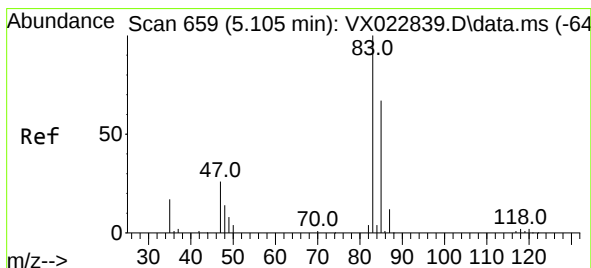
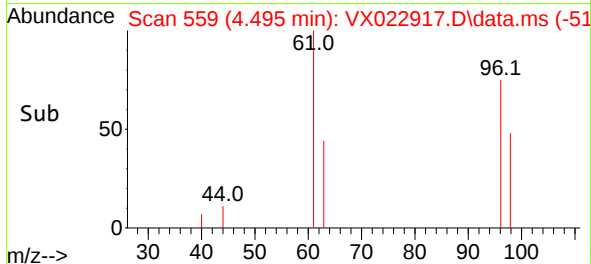
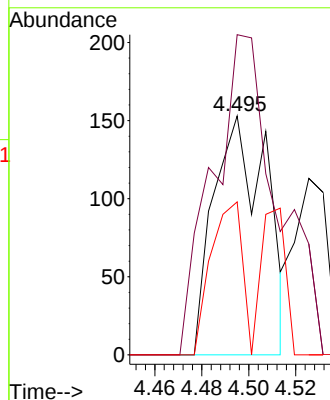
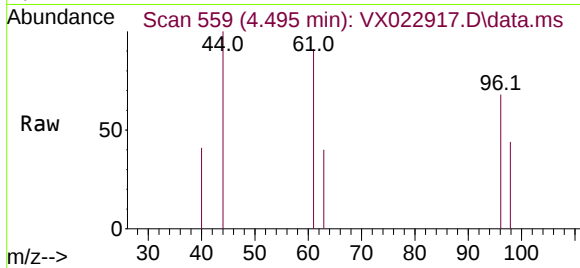
Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	285.6
98	38.1	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

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#30

Chloroform

Concen: 0.23 ug/l

RT: 5.117 min Scan# 661

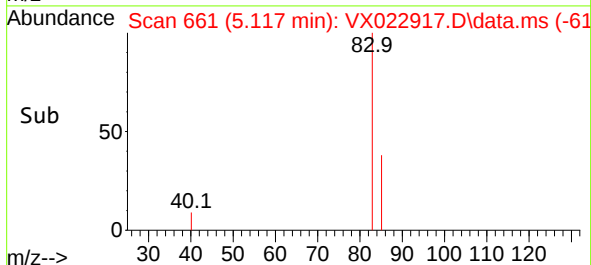
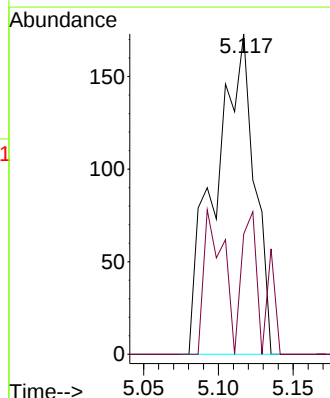
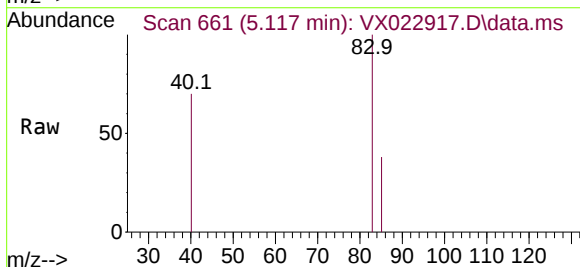
Delta R.T. 0.012 min

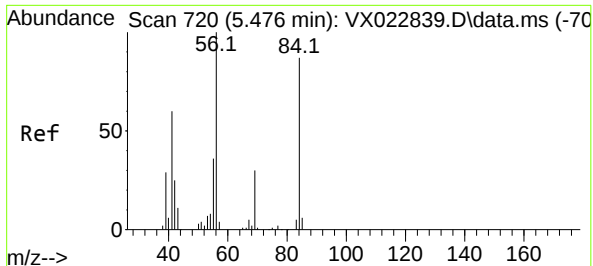
Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

Tgt Ion: 83 Resp: 316

Ion	Ratio	Lower	Upper
83	100		
85	37.6	52.0	78.0#

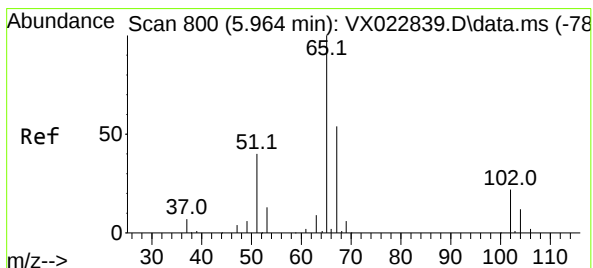
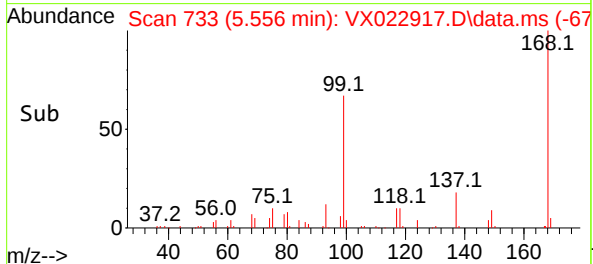
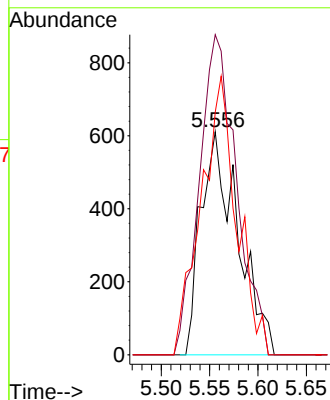
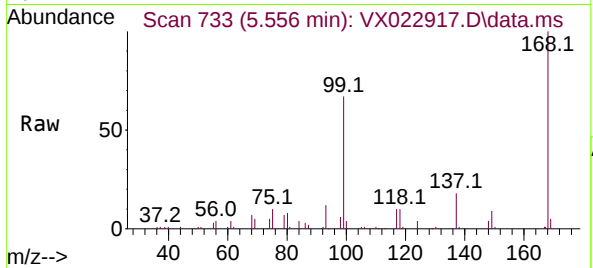




#31
Cyclohexane
Concen: 1.25 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

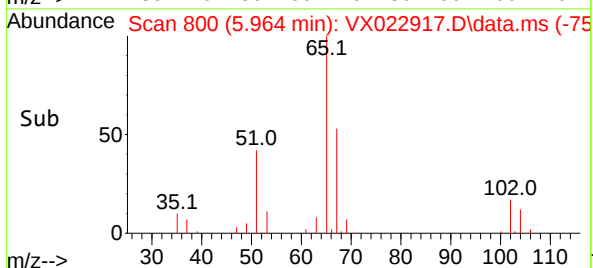
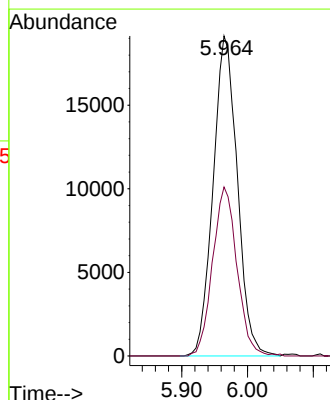
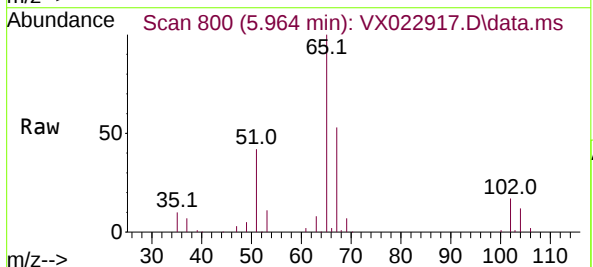
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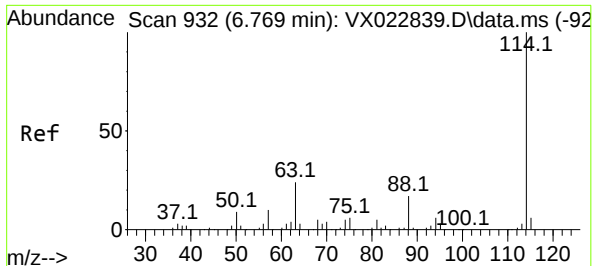
Tgt Ion: 56 Resp: 1632
Ion Ratio Lower Upper
56 100
69 143.5 25.3 37.9#
84 108.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.28 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 65 Resp: 49092
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

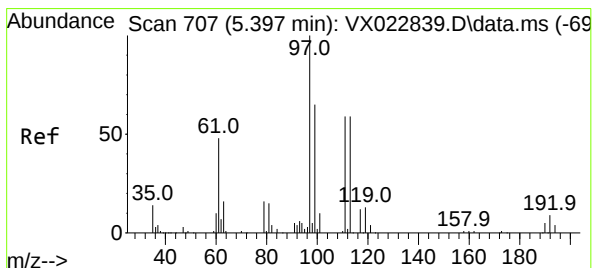
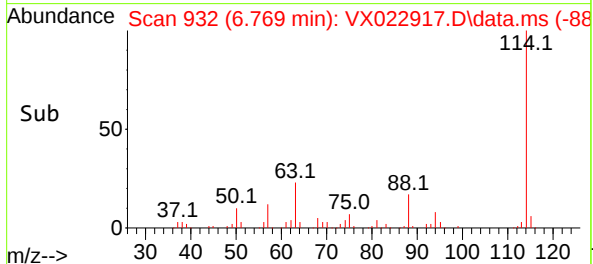
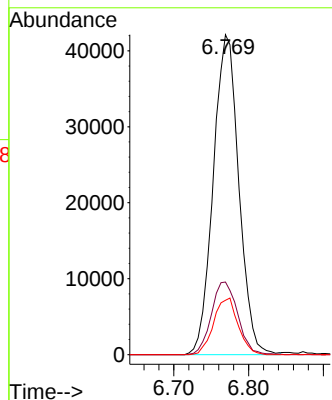
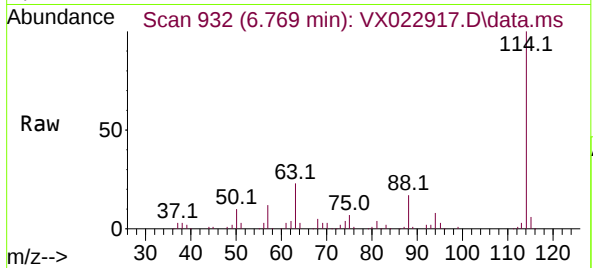




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

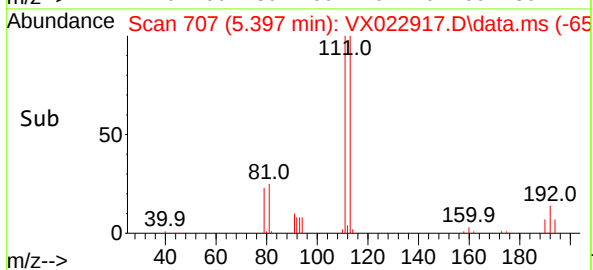
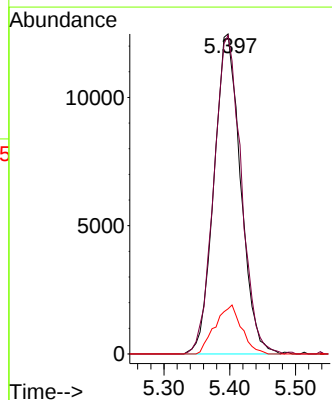
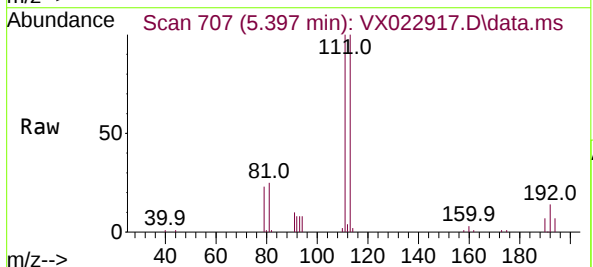
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

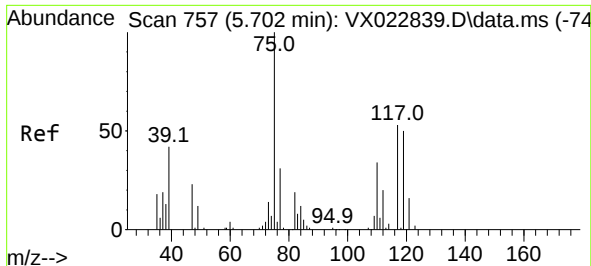
Tgt Ion:114 Resp: 100334
Ion Ratio Lower Upper
114 100
63 22.7 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 55.07 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion:113 Resp: 35087
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 15.2 16.7 25.1#

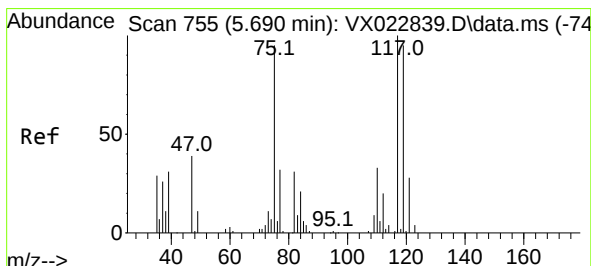
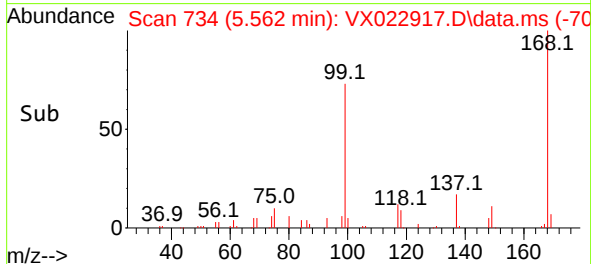
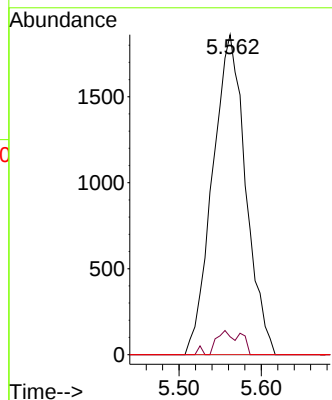
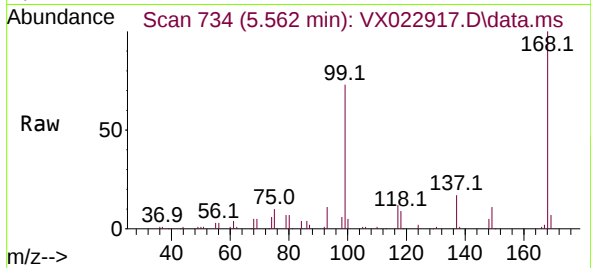




#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

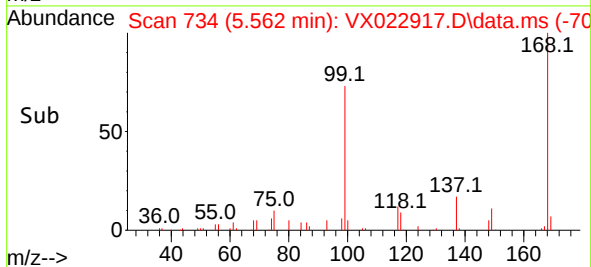
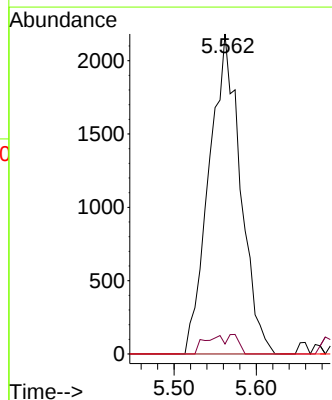
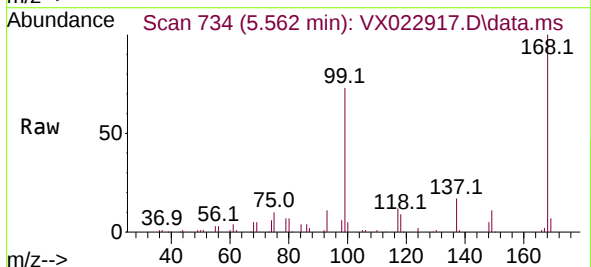
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

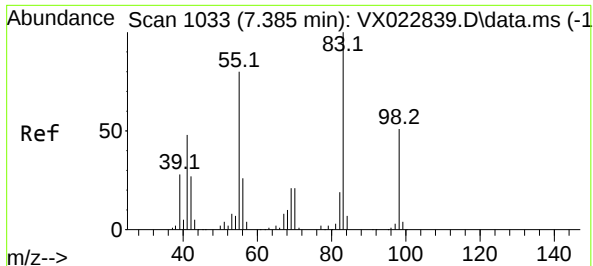
Tgt Ion: 75 Resp: 5214
Ion Ratio Lower Upper
75 100
110 5.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.49 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 117 Resp: 5799
Ion Ratio Lower Upper
117 100
119 3.1 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.28 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

Tgt Ion: 83 Resp: 1595

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

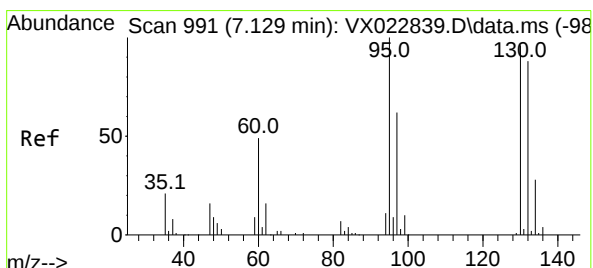
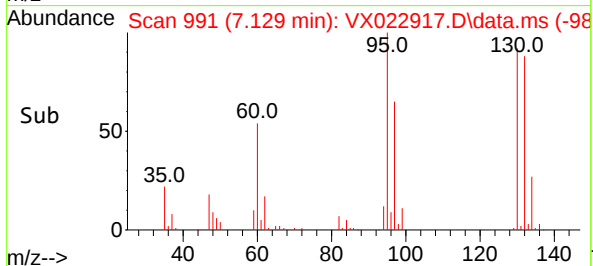
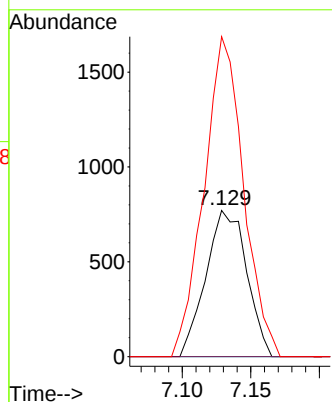
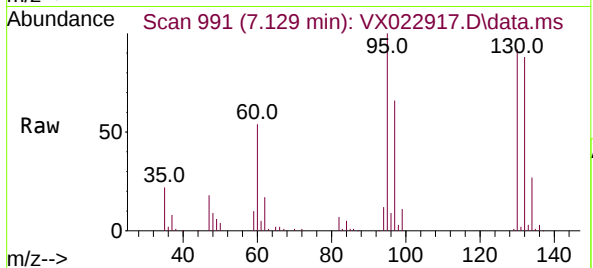
98 218.8 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20210621



#44

Trichloroethene

Concen: 157.23 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022917.D

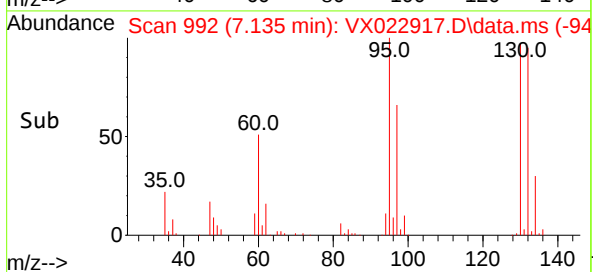
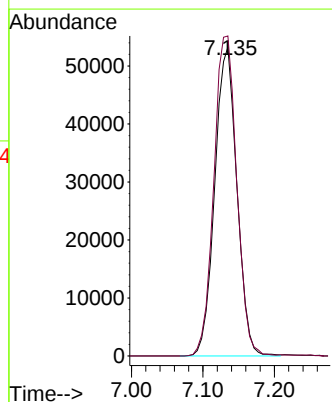
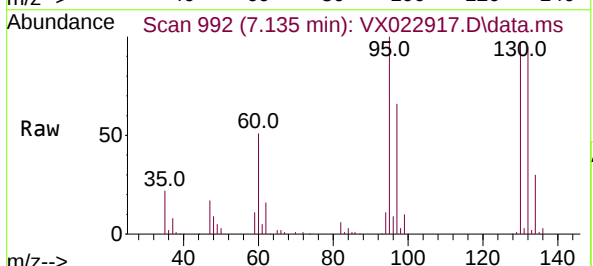
Acq: 25 Jun 2021 12:54

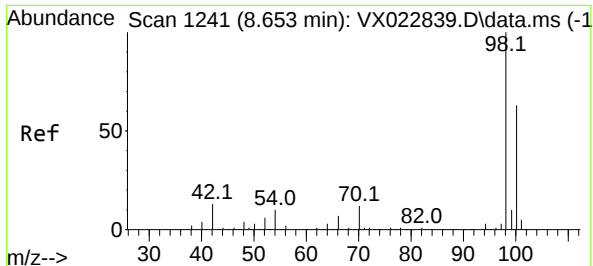
Tgt Ion:130 Resp: 114580

Ion Ratio Lower Upper

130 100

95 103.6 0.0 198.0

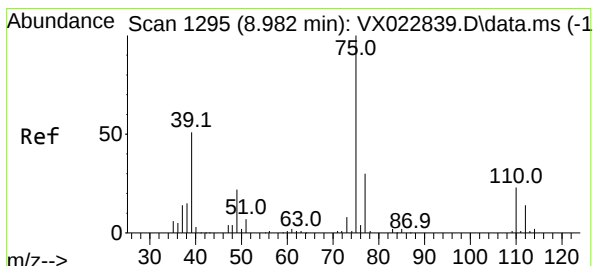
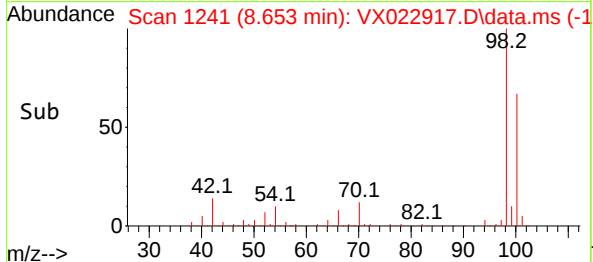
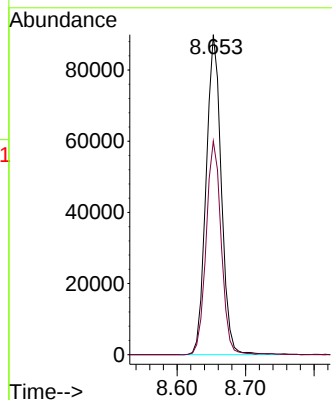
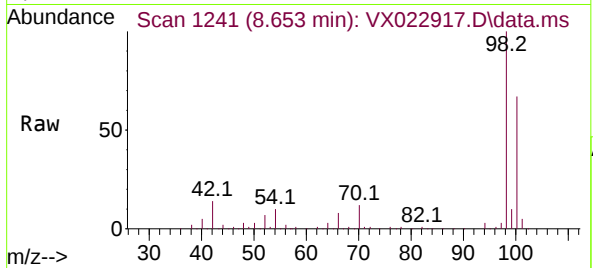




#50
Toluene-d8
Concen: 55.50 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

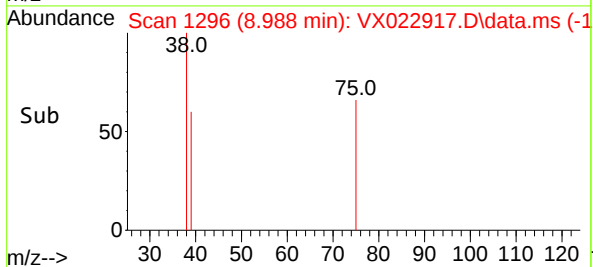
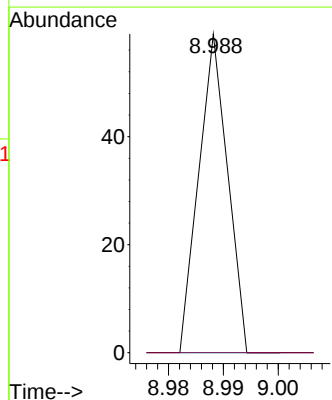
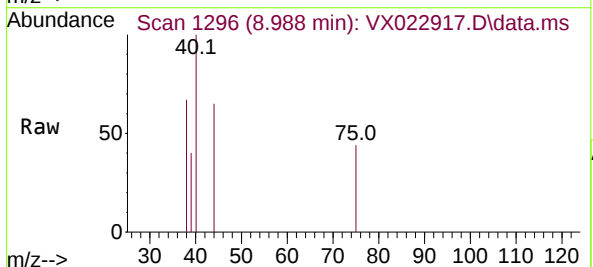
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

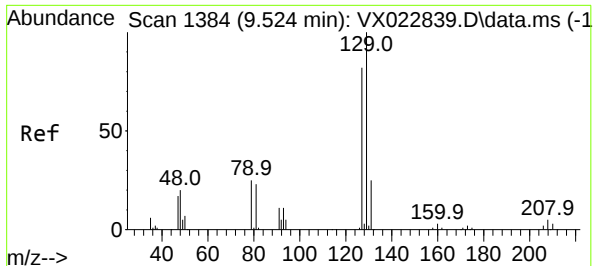
Tgt Ion: 98 Resp: 138593
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 3.68 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 3.89 ug/l

RT: 9.287 min Scan# 1345

Delta R.T. -0.237 min

Lab File: VX022917.D

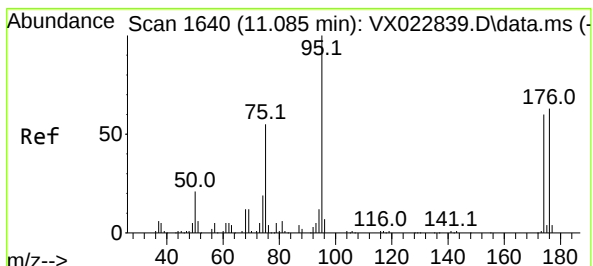
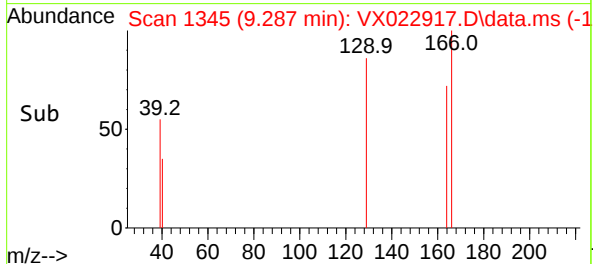
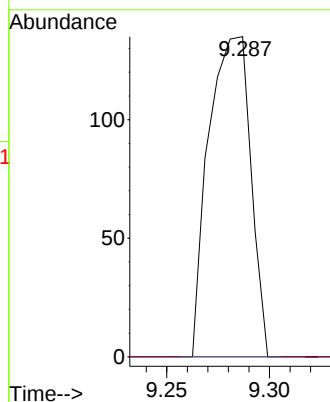
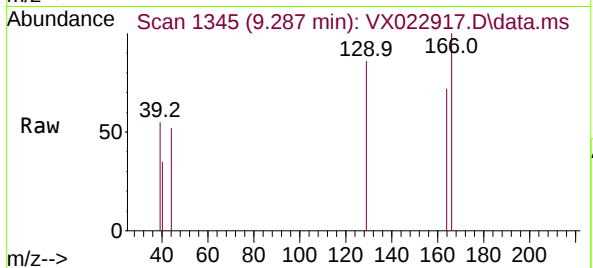
Acq: 25 Jun 2021 12:54

Tgt Ion:129 Resp: 192

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 49.09 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

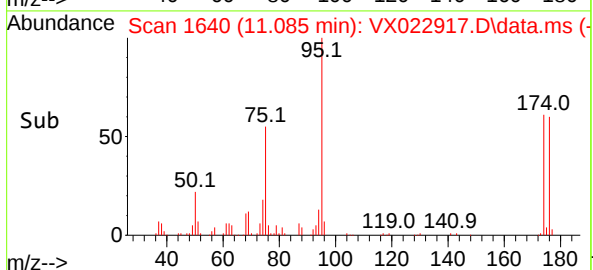
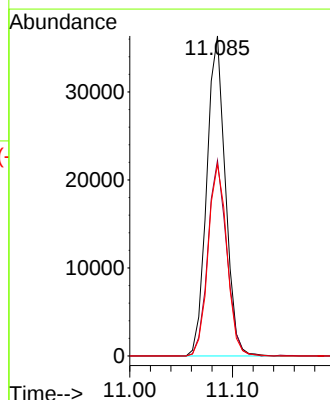
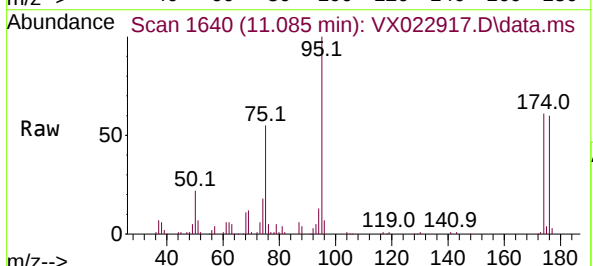
Tgt Ion: 95 Resp: 45745

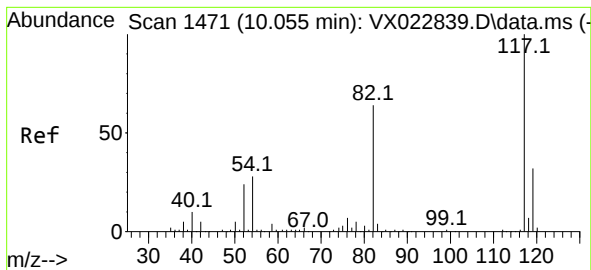
Ion Ratio Lower Upper

95 100

174 61.7 0.0 154.6

176 60.5 0.0 155.8

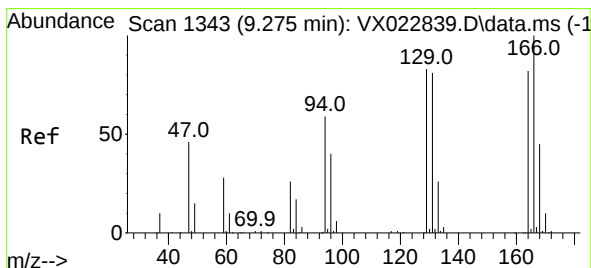
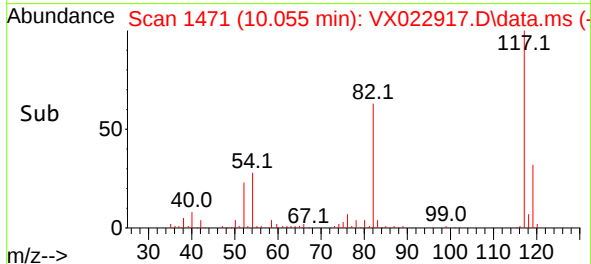
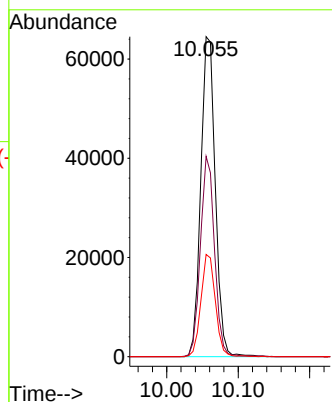
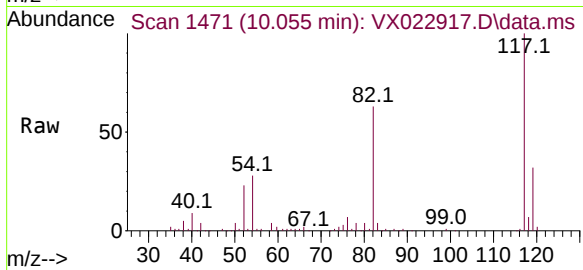




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

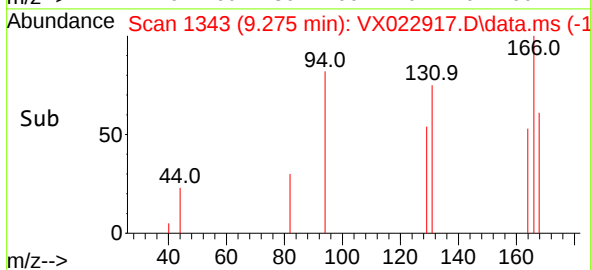
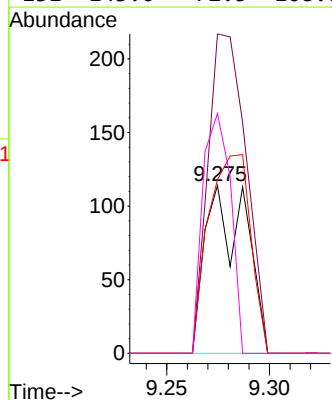
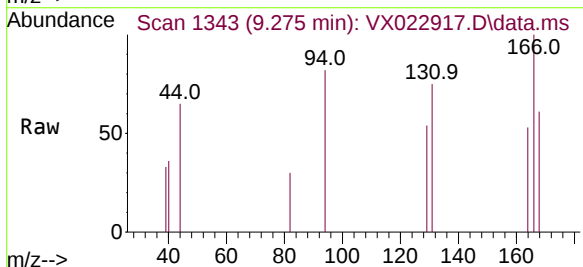
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

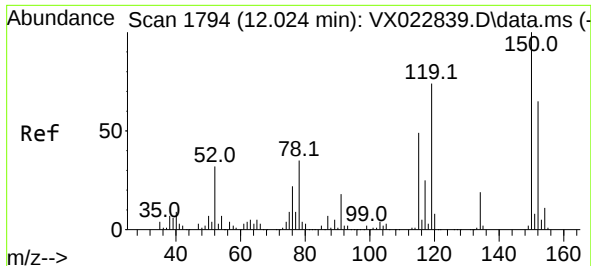
Tgt Ion:117 Resp: 90884
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 31.9 26.6 39.8



#64
Tetrachloroethene
Concen: 0.25 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion:164 Resp: 157
Ion Ratio Lower Upper
164 100
166 190.4 103.4 155.2#
129 103.5 70.8 106.2
131 143.0 72.5 108.7#

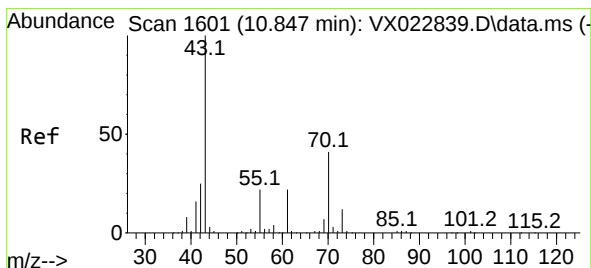
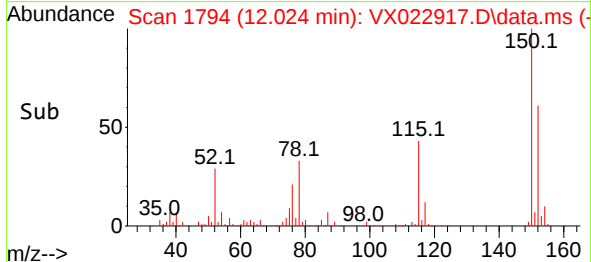
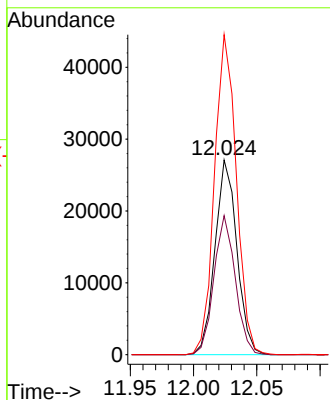
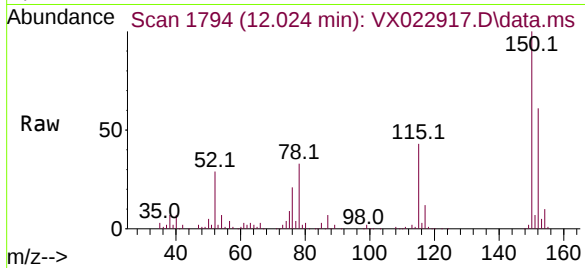




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

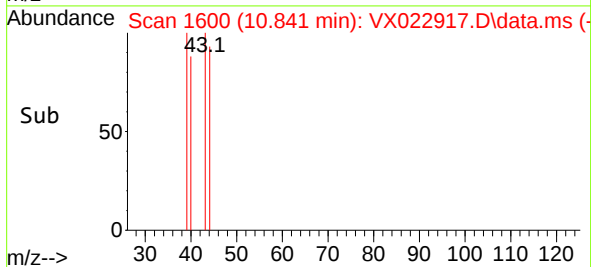
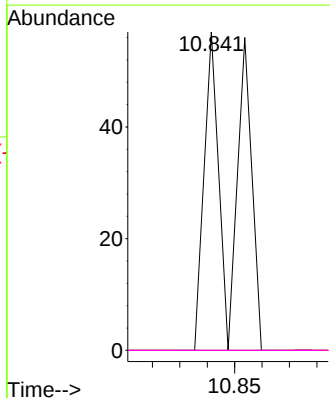
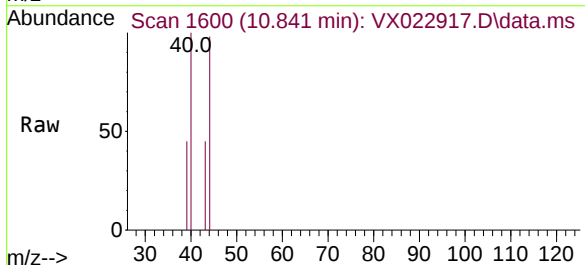
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

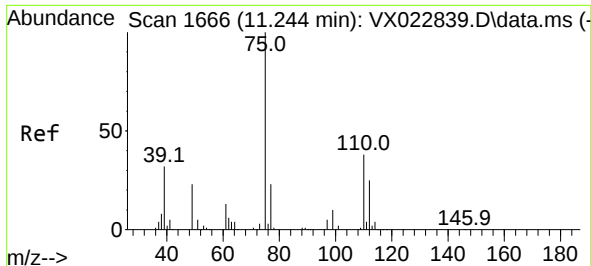
Tgt Ion:152 Resp: 32577
Ion Ratio Lower Upper
152 100
115 69.7 41.1 123.3
150 164.2 0.0 349.0



#74
N-ethyl acetate
Concen: 2.08 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

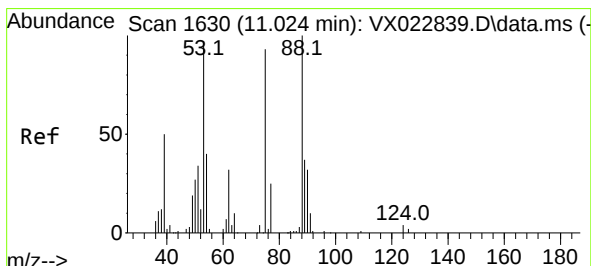
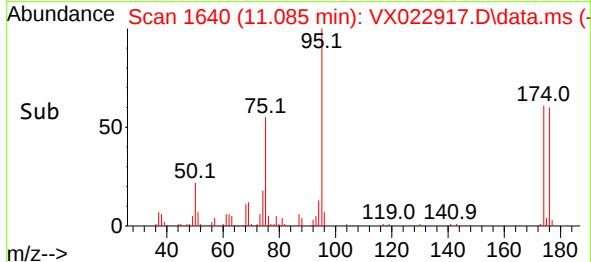
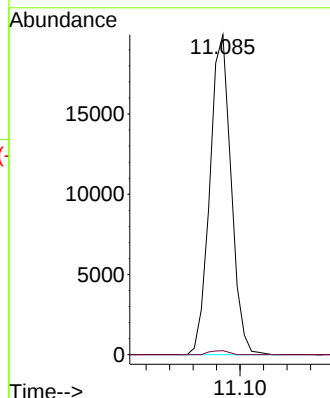
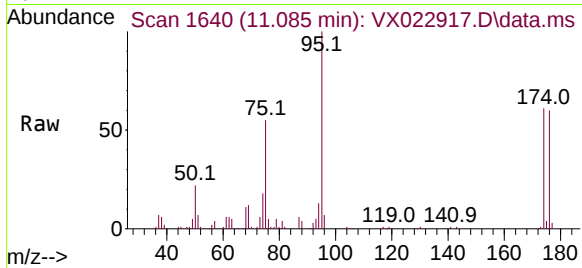




#76
1,2,3-Trichloropropane
Concen: 29.15 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

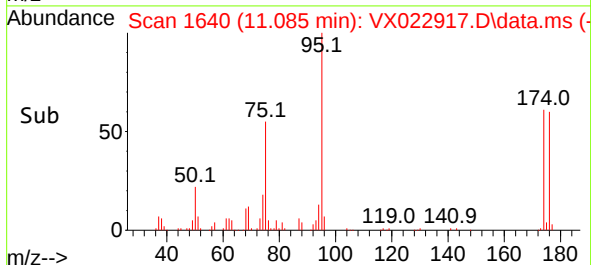
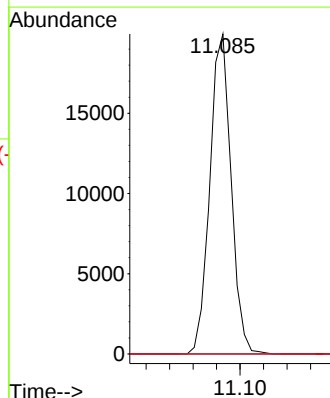
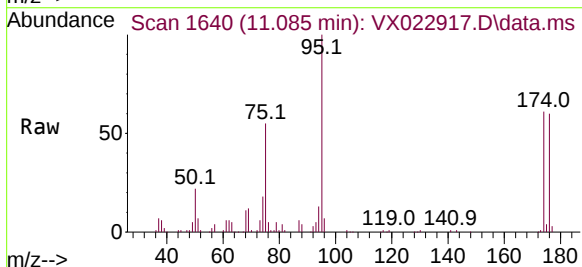
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

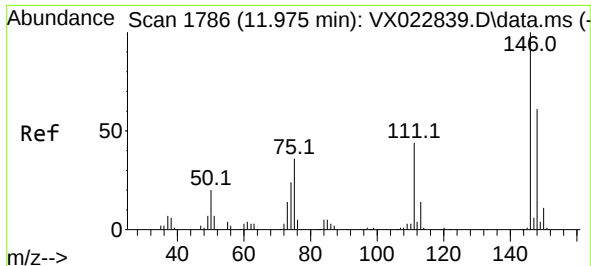
Tgt Ion: 75 Resp: 25080
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.98 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 75 Resp: 25080
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#87

1,3-Dichlorobenzene

Concen: 0.28 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.000 min

Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

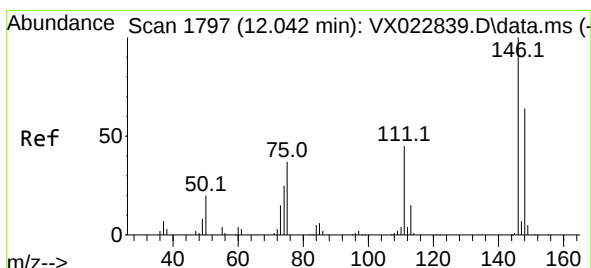
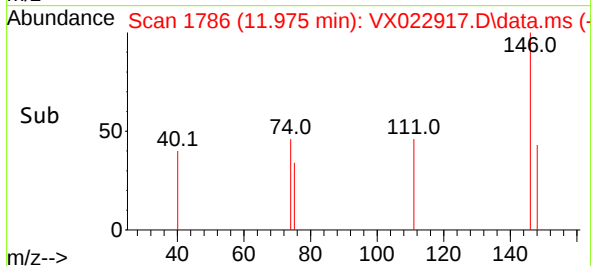
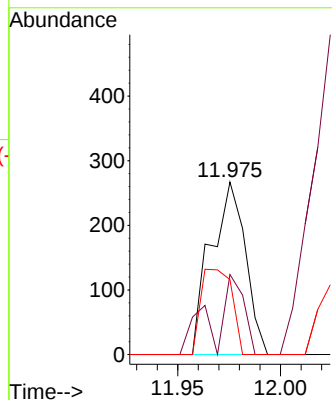
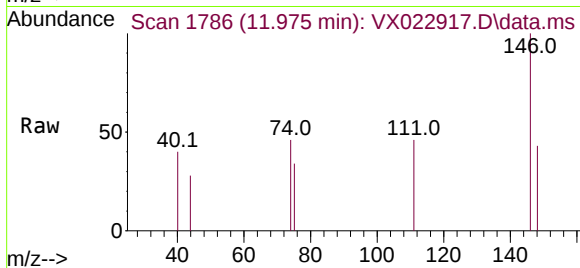
Tgt Ion:146 Resp: 314

Ion Ratio Lower Upper

146 100

111 40.8 20.2 60.5

148 44.3 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.27 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX022917.D

Acq: 25 Jun 2021 12:54

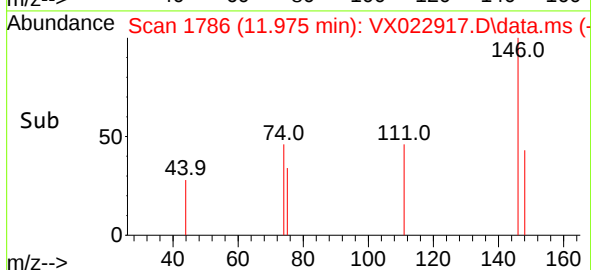
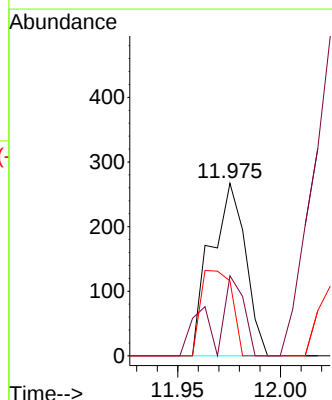
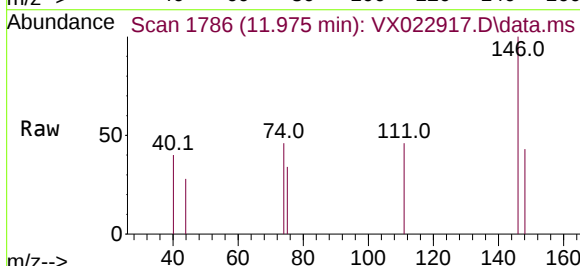
Tgt Ion:146 Resp: 314

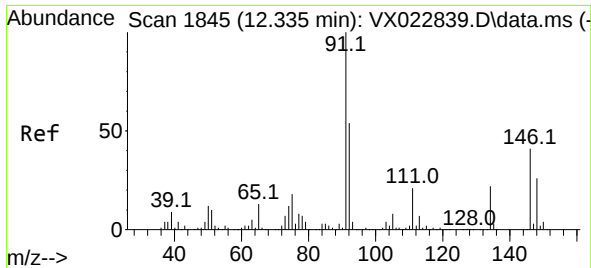
Ion Ratio Lower Upper

146 100

111 40.8 19.6 58.8

148 44.3 31.6 95.0

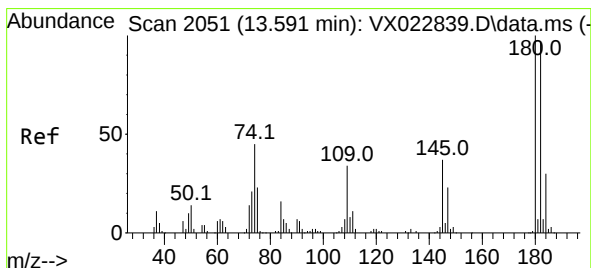
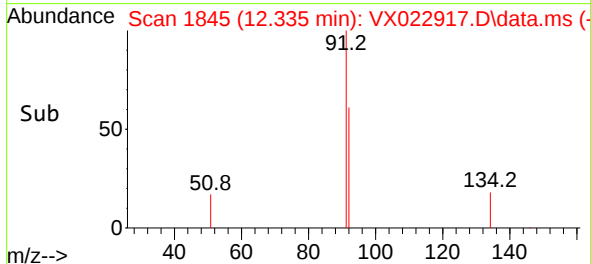
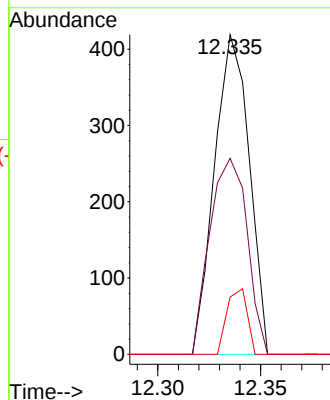
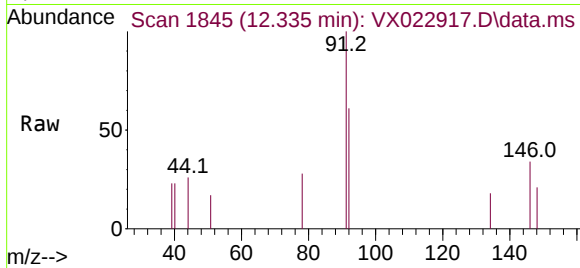




#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

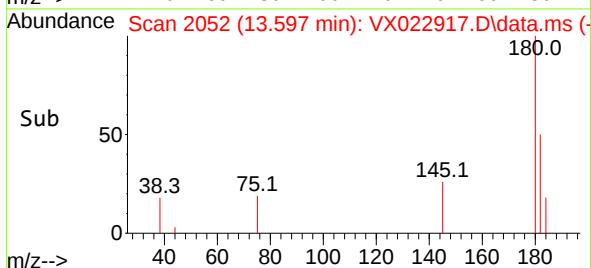
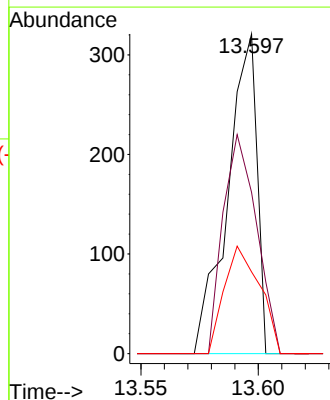
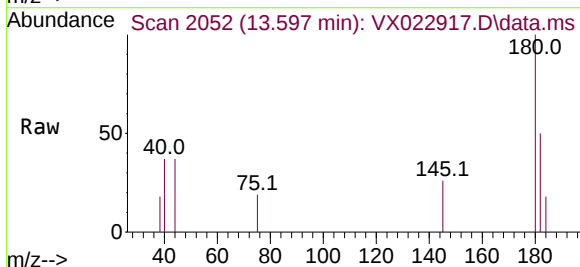
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

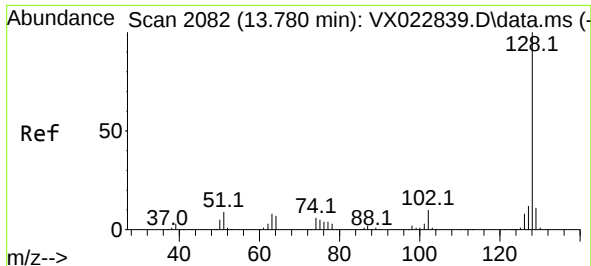
Tgt Ion: 91	Resp:	493
Ion	Ratio	Lower Upper
91	100	
92	65.9	27.4 82.0
134	12.0	13.2 39.5



#93
1,2,4-Trichlorobenzene
Concen: 0.46 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion: 180	Resp:	278
Ion	Ratio	Lower Upper
180	100	
182	78.4	47.7 143.1
145	41.0	15.0 45.0

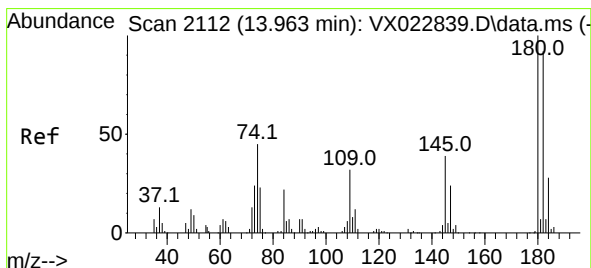
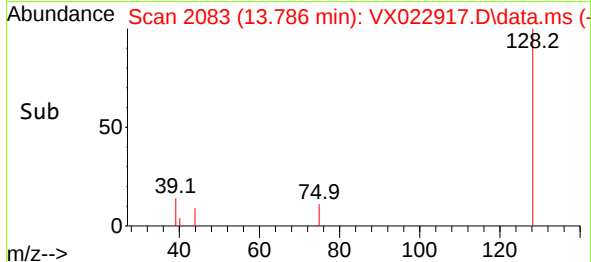
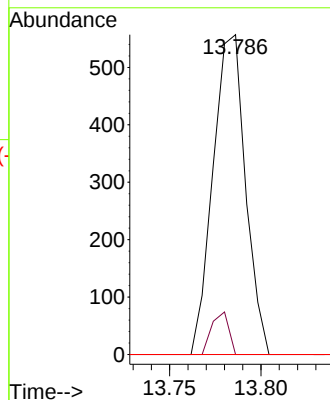
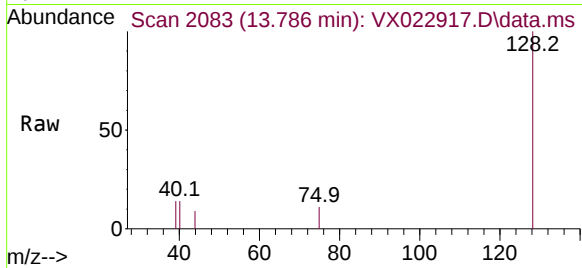




#95
Naphthalene
Concen: 2.17 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20210621

Tgt Ion:128 Resp: 690
Ion Ratio Lower Upper
128 100
127 7.0 10.3 15.5#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.33 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX022917.D
Acq: 25 Jun 2021 12:54

Tgt Ion:180 Resp: 198
Ion Ratio Lower Upper
180 100
182 113.6 47.6 142.9
145 34.3 16.1 48.3

