

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062321\
 Data File : VX022850.D
 Acq On : 23 Jun 2021 19:18
 Operator : JC/MD
 Sample : M2783-11 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20210617

Quant Time: Jun 24 03:37:23 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)

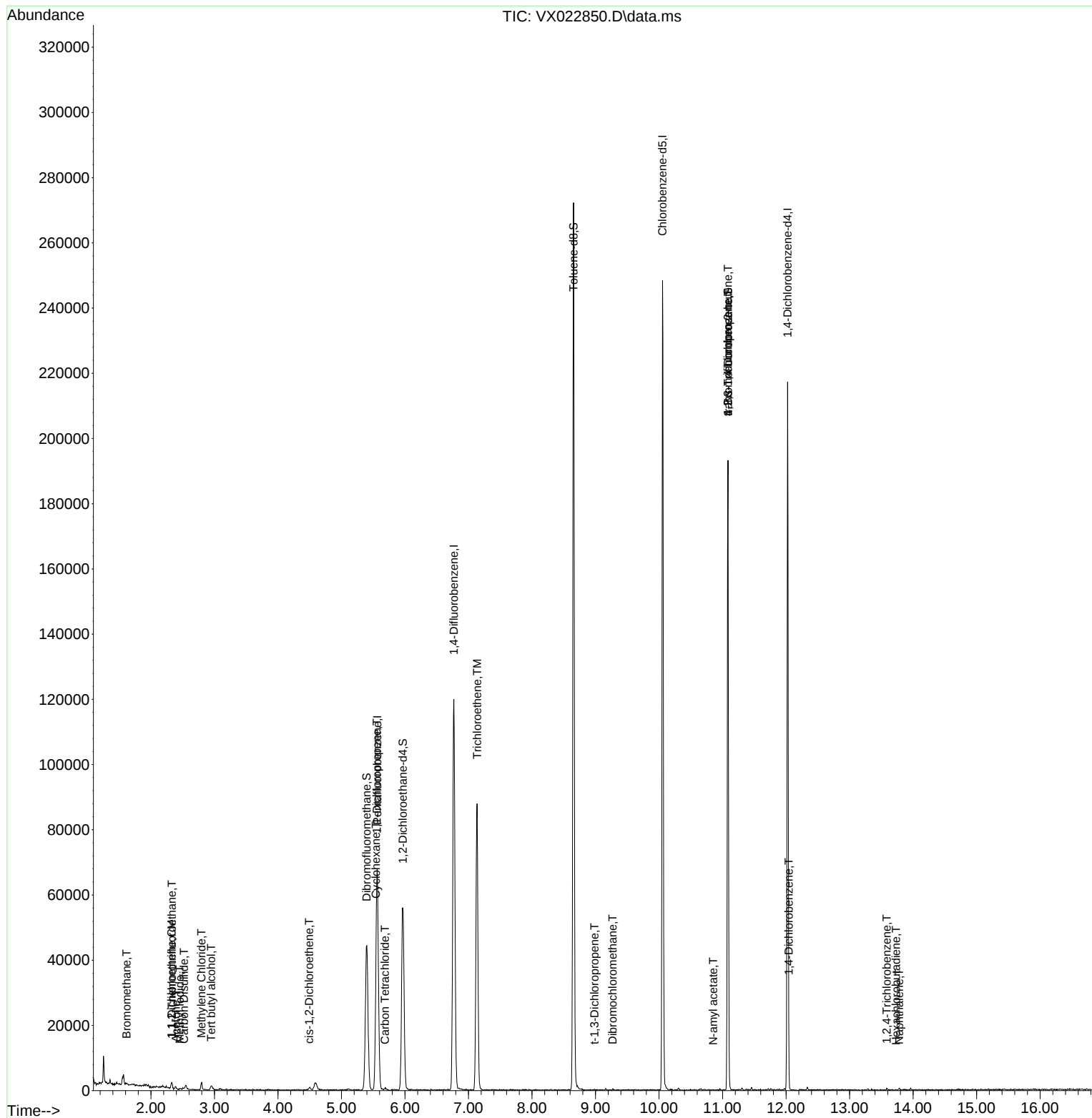
Internal Standards						
1) Pentafluorobenzene	5.562	168	55790	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	115821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54039	53.373	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.740%	
35) Dibromofluoromethane	5.397	113	38290	52.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.120%	
50) Toluene-d8	8.653	98	151316	52.494	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	11.085	95	51875	48.221	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	130	0.296	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	542	0.747	ug/l #	34
10) Methyl Iodide	2.453	142	347	4.246	ug/l #	51
11) Tert butyl alcohol	2.947	59	1025	4.858	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	372	0.514	ug/l #	82
16) Acetone	2.392	43	886	1.974	ug/l #	68
17) Carbon Disulfide	2.520	76	535	3.768	ug/l #	75
20) Methylene Chloride	2.794	84	730	1.186	ug/l #	92
27) cis-1,2-Dichloroethene	4.489	96	528	0.592	ug/l	81
31) Cyclohexane	5.544	56	778	0.544	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	5668	4.607	ug/l #	45
38) Carbon Tetrachloride	5.684	117	294	0.285	ug/l #	58
44) Trichloroethene	7.135	130	30628	36.408	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	30	3.686	ug/l #	44
60) Dibromochloromethane	9.269	129	80	3.738	ug/l #	11
74) N-amyl acetate	10.854	43	32	2.072	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	27833	28.679	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	27833	73.887	ug/l #	12
88) 1,4-Dichlorobenzene	12.043	146	327	0.251	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.585	180	216	0.320	ug/l #	87
94) Hexachlorobutadiene	13.731	225	76	0.287	ug/l #	19
95) Naphthalene	13.780	128	498	2.082	ug/l #	69

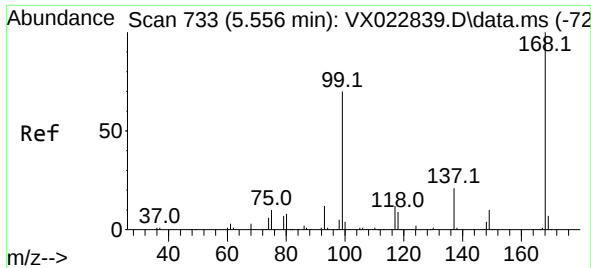
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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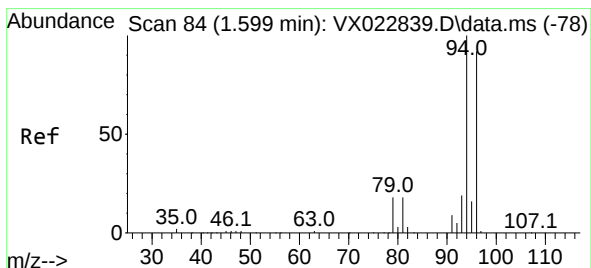
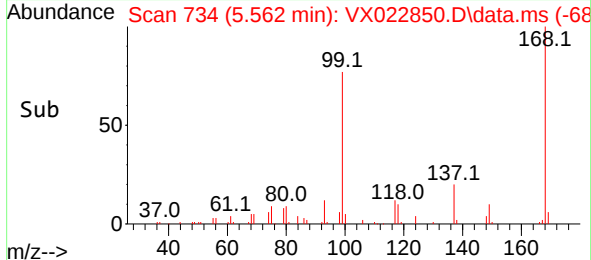
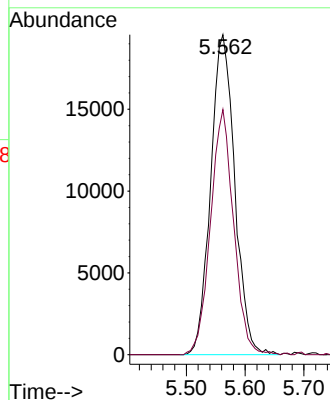
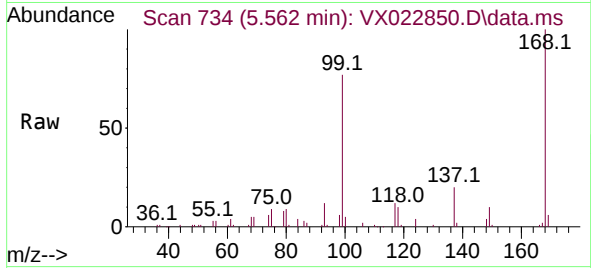




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

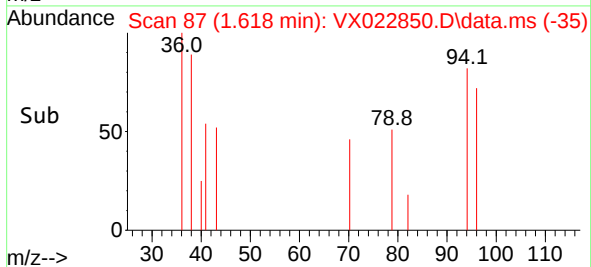
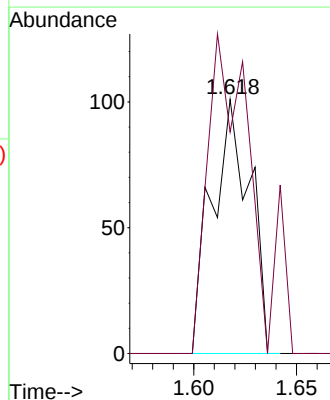
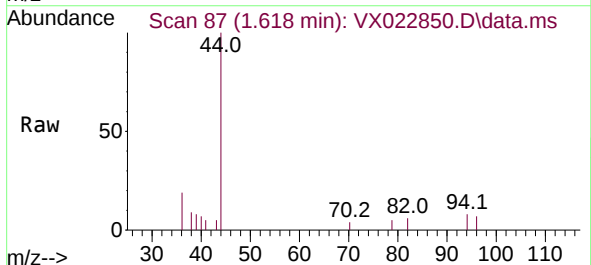
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MSVOA_X
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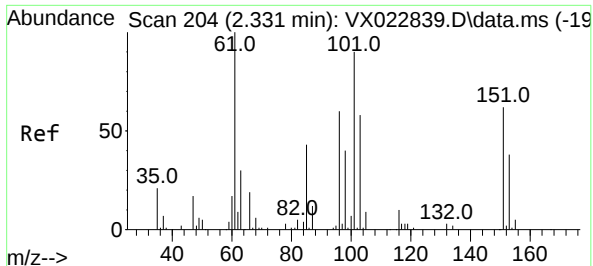
Tgt Ion:168 Resp: 55790
Ion Ratio Lower Upper
168 100
99 76.6 45.8 68.6#



#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 87.1 76.4 114.6

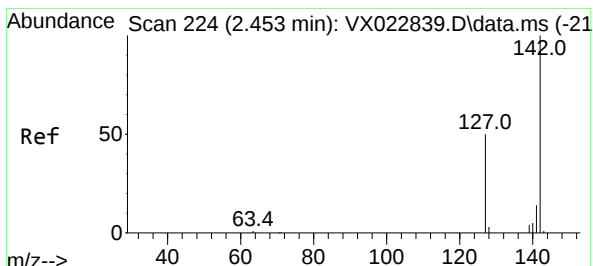
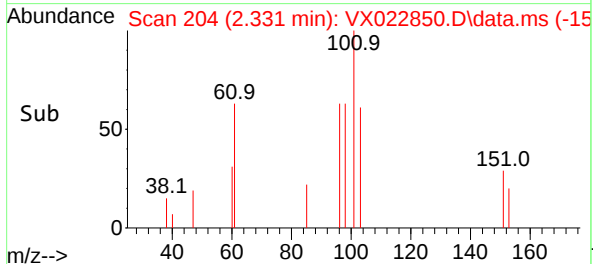
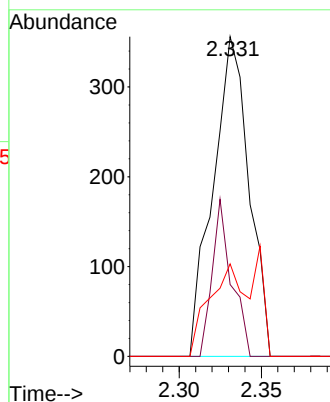
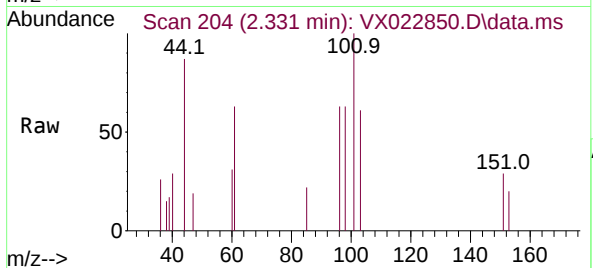




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.747 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

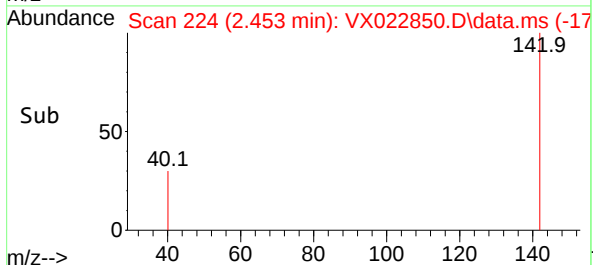
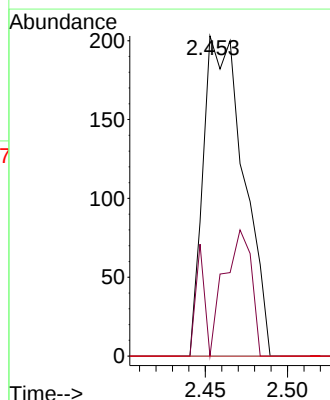
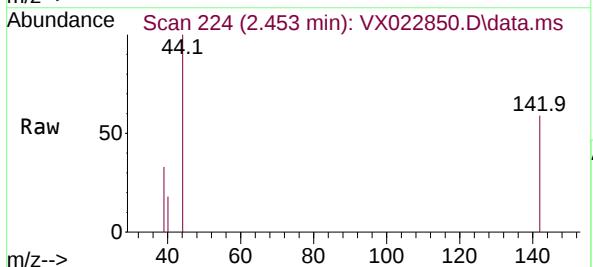
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

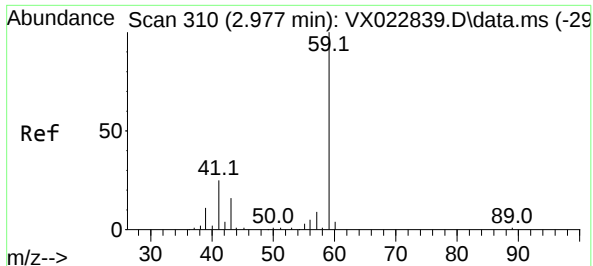
Tgt Ion:101 Resp: 542
Ion Ratio Lower Upper
101 100
85 26.4 34.9 52.3#
151 0.0 61.4 92.2#



#10
Methyl Iodide
Concen: 4.246 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion:142 Resp: 347
Ion Ratio Lower Upper
142 100
127 7.5 33.3 49.9#
141 0.0 11.4 17.0#



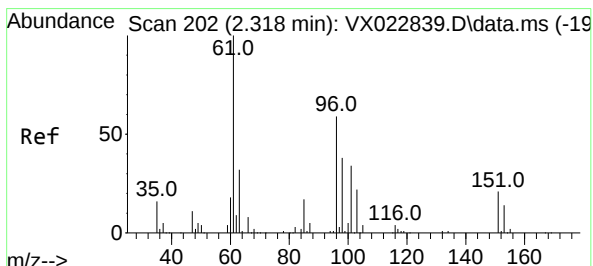
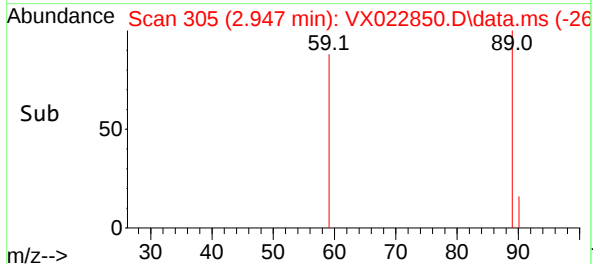
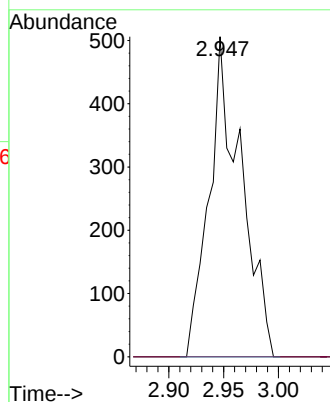
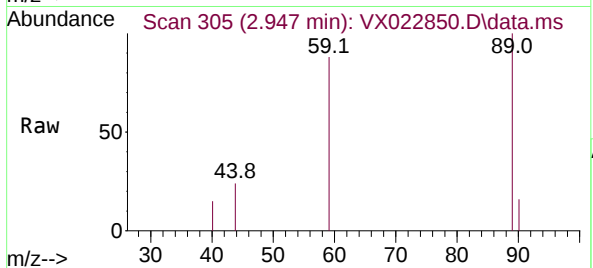


#11

Tert butyl alcohol
Concen: 4.858 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

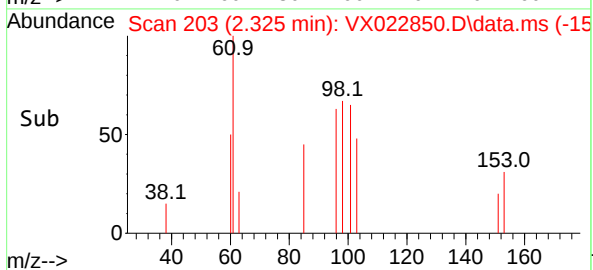
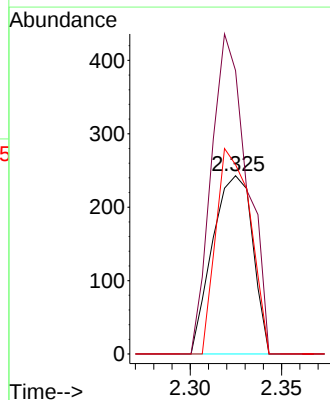
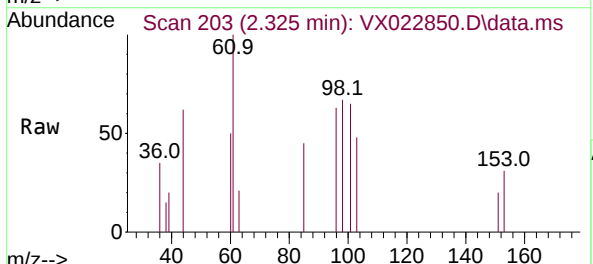
Tgt Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

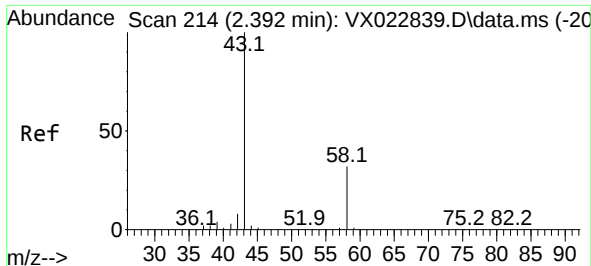


#12

1,1-Dichloroethene
Concen: 0.514 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 96 Resp: 372
Ion Ratio Lower Upper
96 100
61 158.8 124.6 187.0
98 106.2 50.6 76.0#

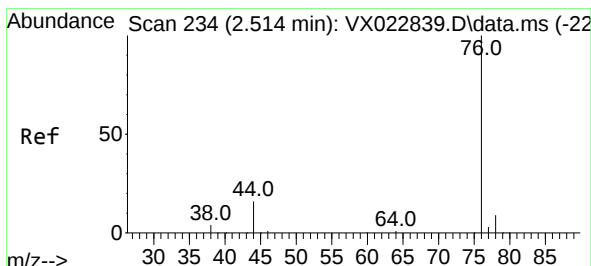
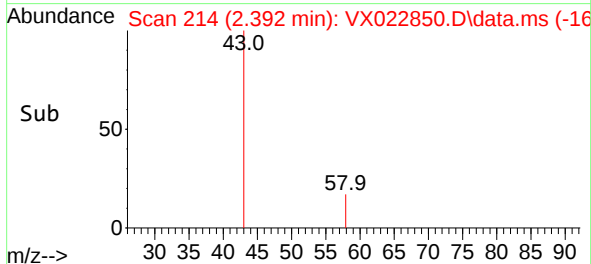
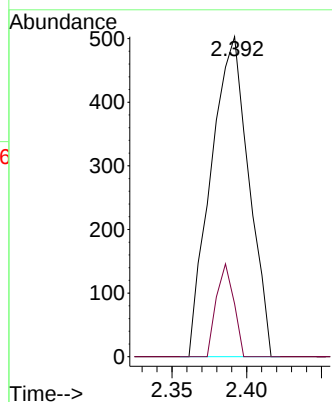
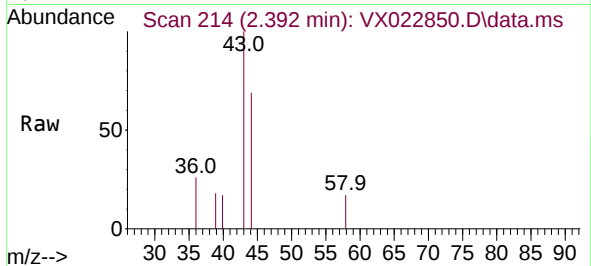




#16
Acetone
Concen: 1.974 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

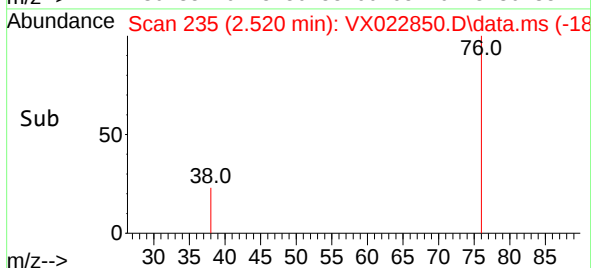
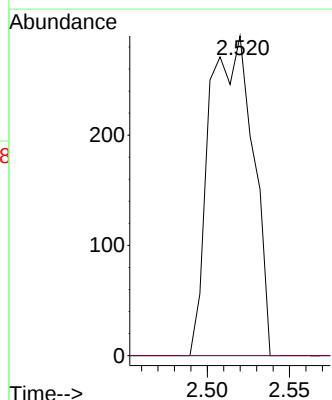
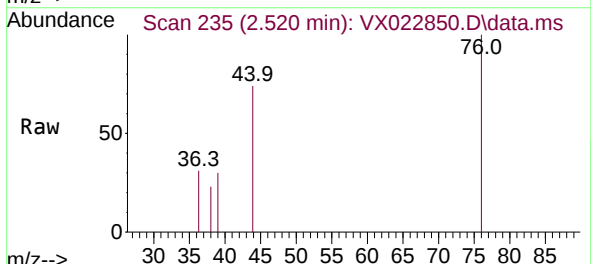
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

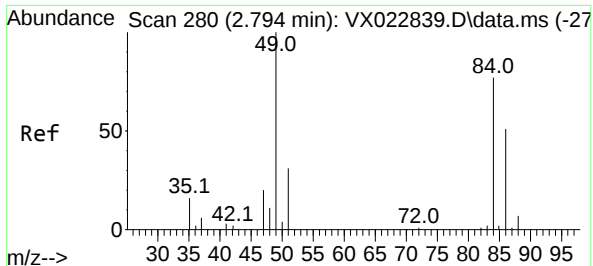
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 16.5 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.768 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 76 Resp: 535
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



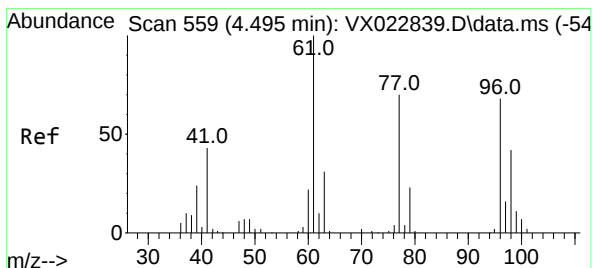
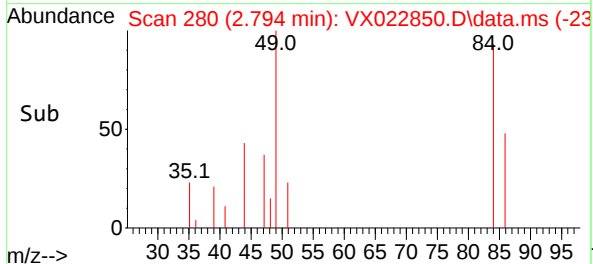
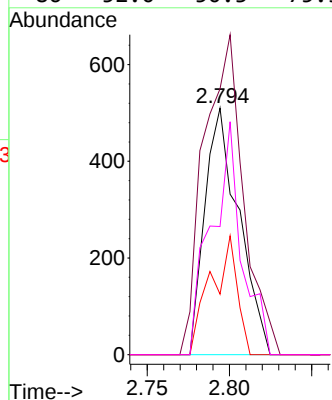
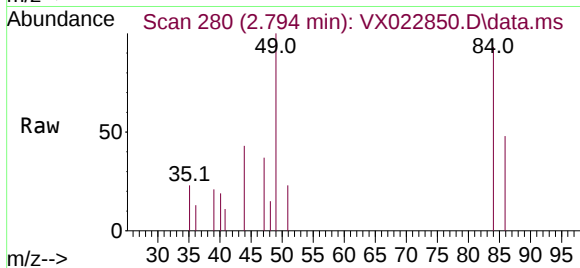


#20
Methylene Chloride
Concen: 1.186 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

Tgt Ion: 84 Resp: 730

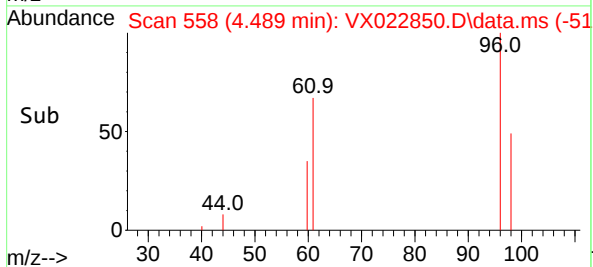
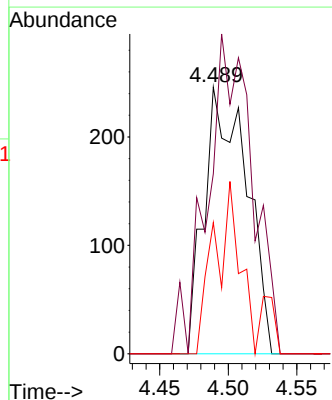
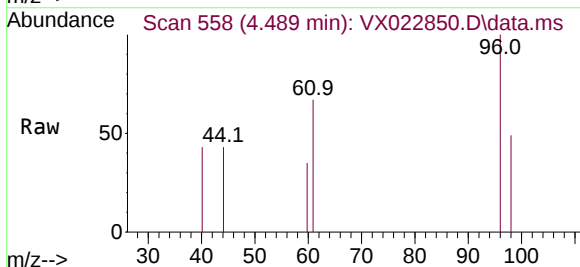
Ion	Ratio	Lower	Upper
84	100		
49	107.8	88.6	132.8
51	24.5	27.0	40.6#
86	52.0	50.3	75.5

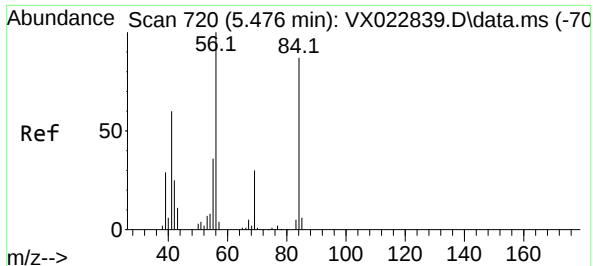


#27
cis-1,2-Dichloroethene
Concen: 0.592 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 96 Resp: 528

Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	285.6
98	39.0	0.0	129.6

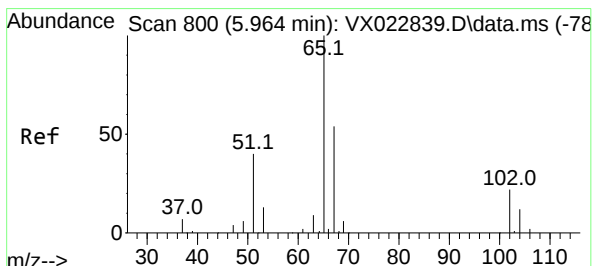
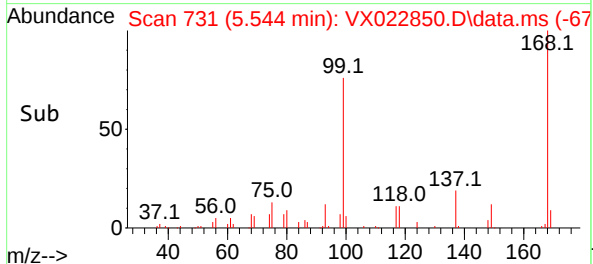
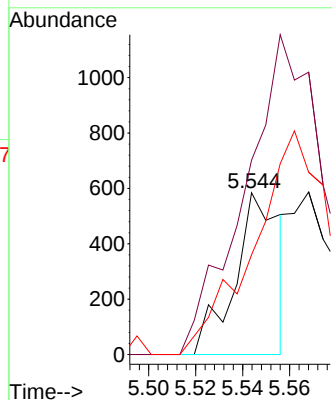
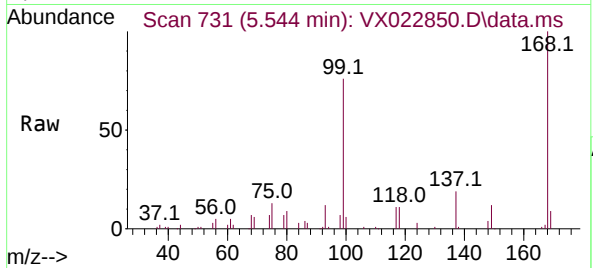




#31
Cyclohexane
Concen: 0.544 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.068 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

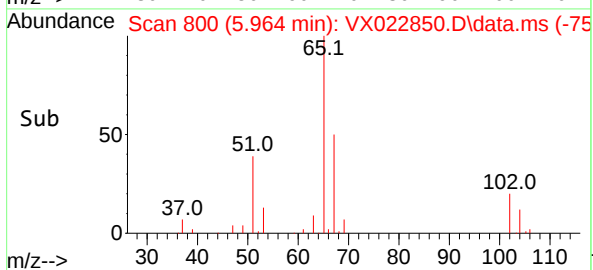
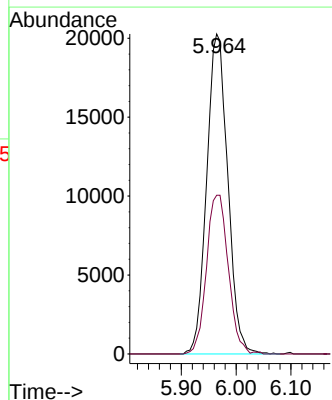
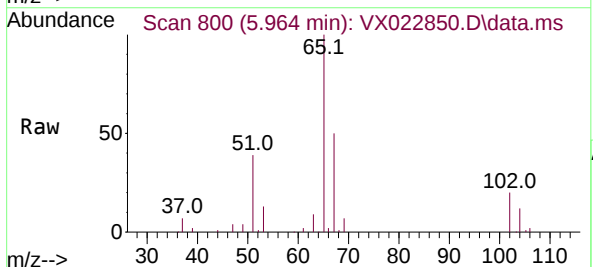
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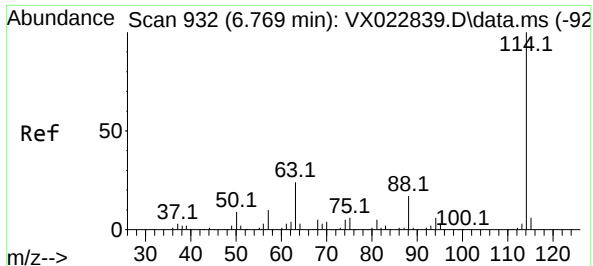
Tgt Ion: 56 Resp: 778
Ion Ratio Lower Upper
56 100
69 120.2 25.3 37.9#
84 61.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.373 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 65 Resp: 54039
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

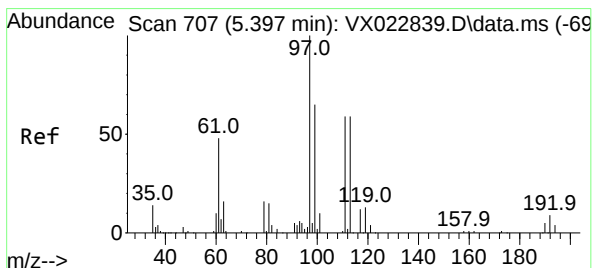
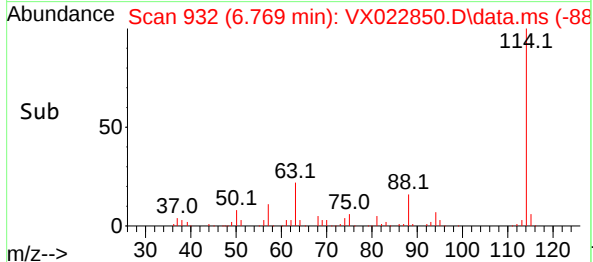
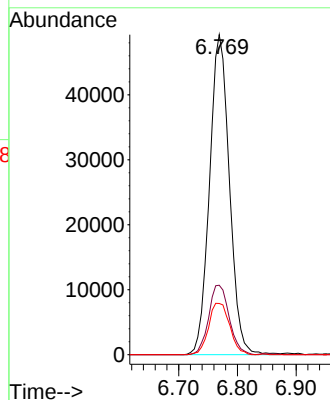
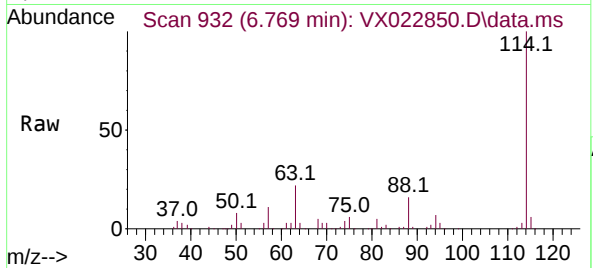




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

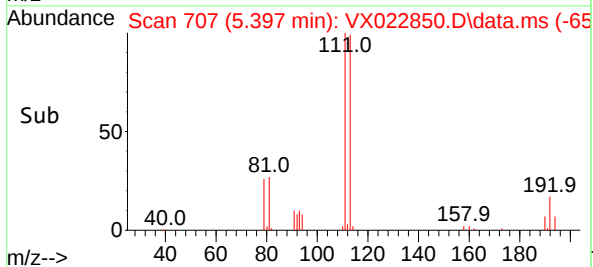
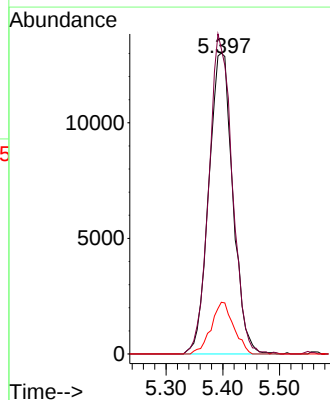
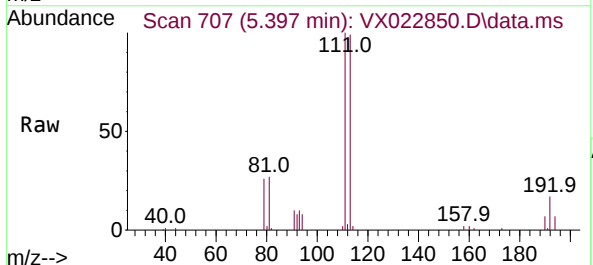
Instrument :
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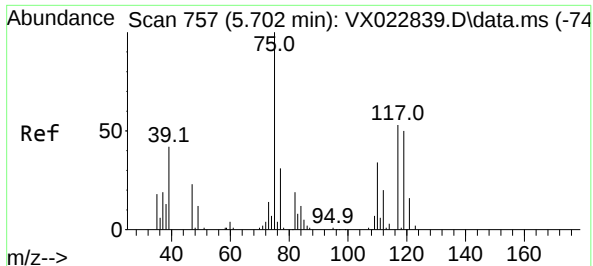
Tgt Ion:	114	Resp:	115821
Ion Ratio	Lower	Upper	
114	100		
63	21.7	0.0	40.8
88	16.0	0.0	32.8



#35
Dibromofluoromethane
Concen: 52.060 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion:	113	Resp:	38290
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.9	122.9
192	16.1	16.7	25.1#





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022850.D

Acq: 23 Jun 2021 19:18

Tgt Ion: 75 Resp: 5668

Ion Ratio Lower Upper

75 100

110 4.8 18.1 54.4#

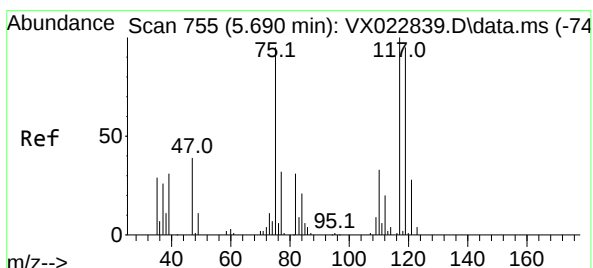
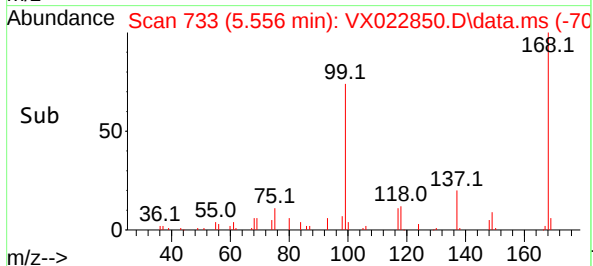
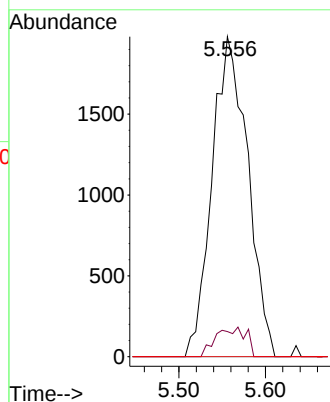
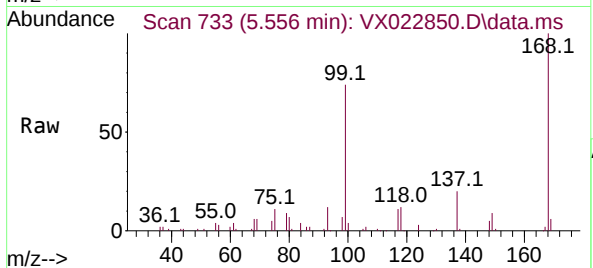
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20210617



#38

Carbon Tetrachloride

Concen: 0.285 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX022850.D

Acq: 23 Jun 2021 19:18

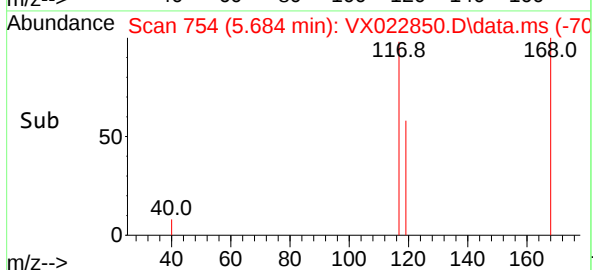
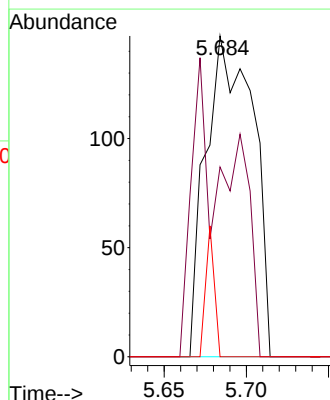
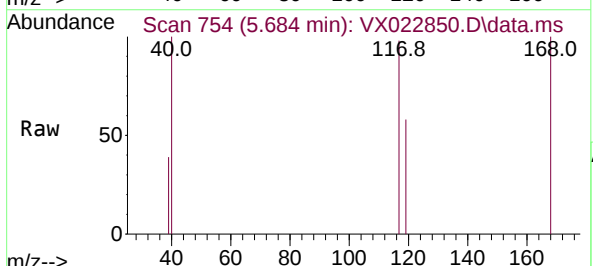
Tgt Ion: 117 Resp: 294

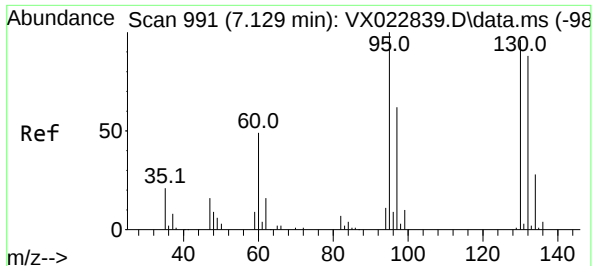
Ion Ratio Lower Upper

117 100

119 59.2 76.2 114.2#

121 0.0 24.8 37.2#

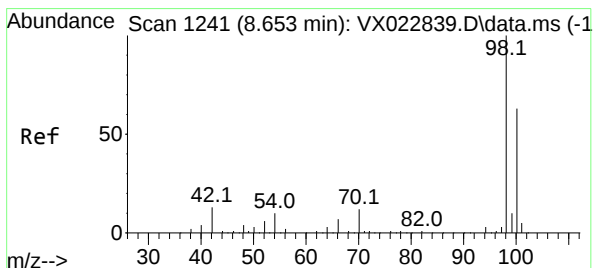
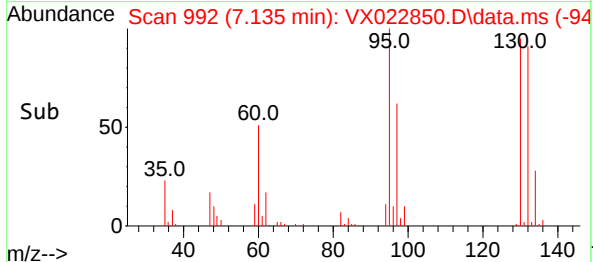
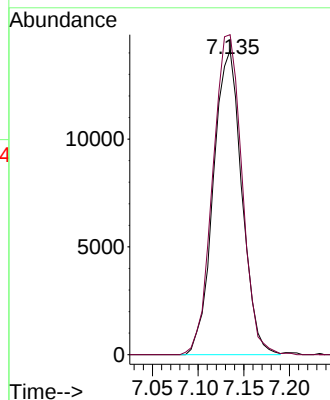
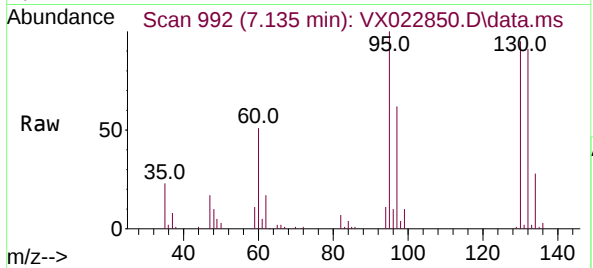




#44
Trichloroethene
Concen: 36.408 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

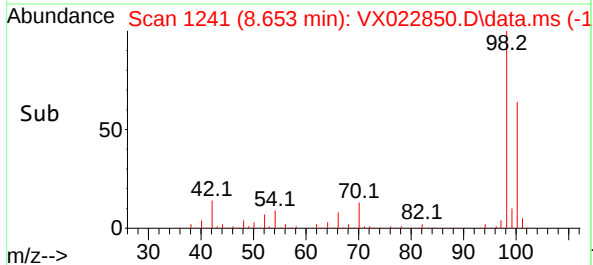
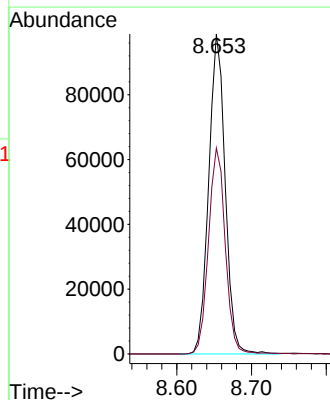
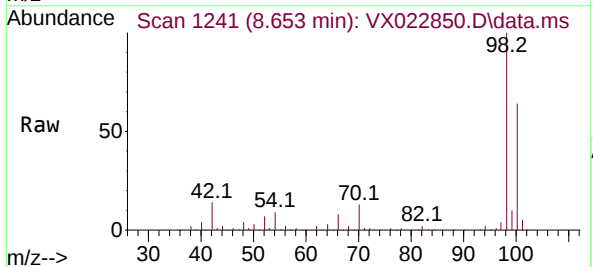
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

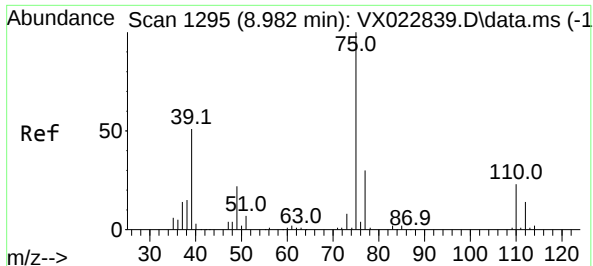
Tgt Ion:130 Resp: 30628
Ion Ratio Lower Upper
130 100
95 105.1 0.0 198.0



#50
Toluene-d8
Concen: 52.494 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 98 Resp: 151316
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

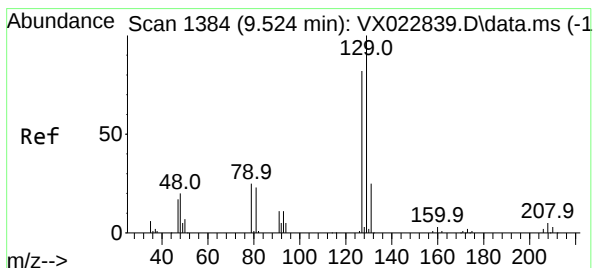
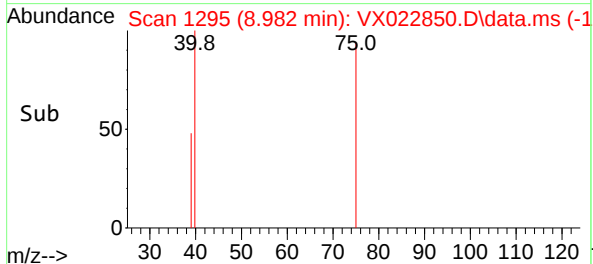
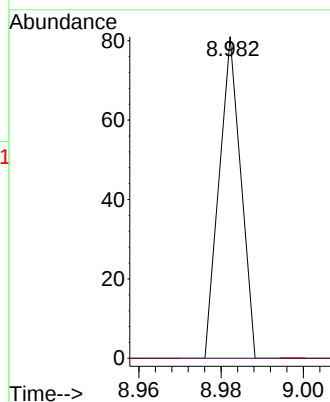
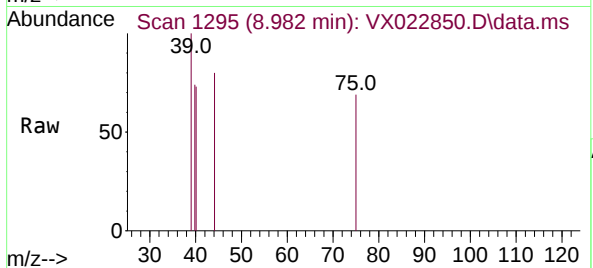




#53
t-1,3-Dichloropropene
Concen: 3.686 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

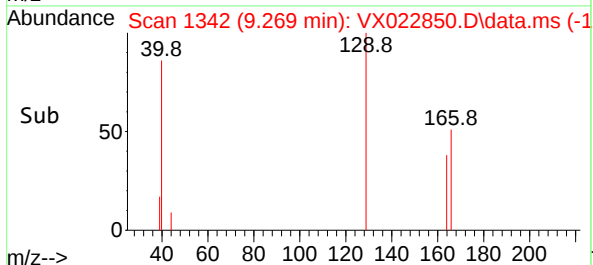
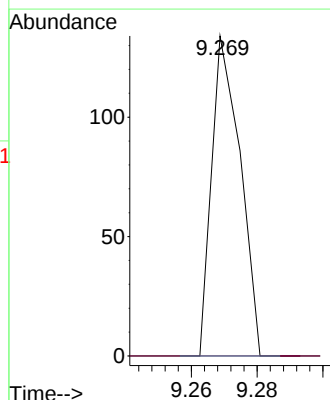
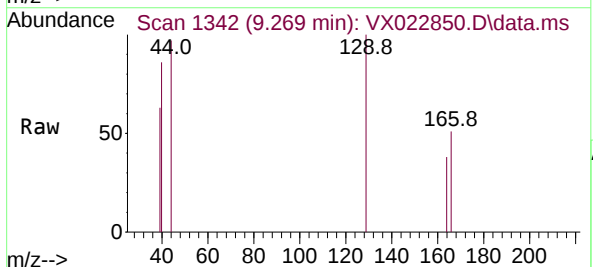
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

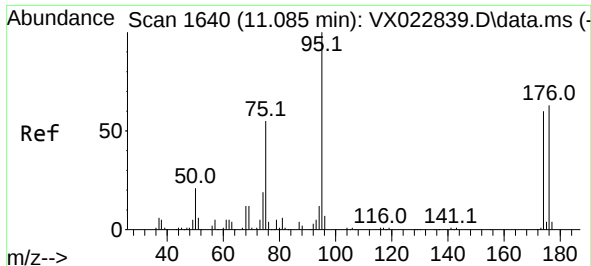
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 3.738 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.255 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 129 Resp: 80
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

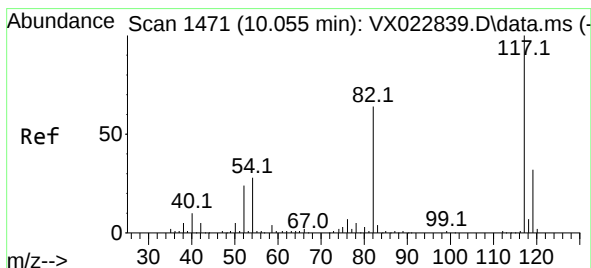
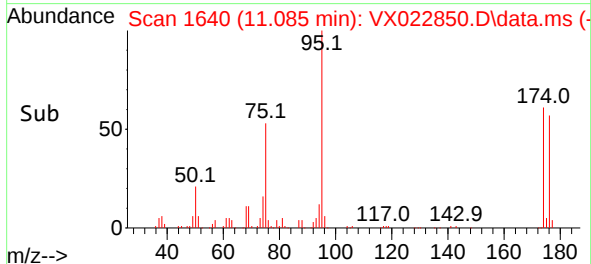
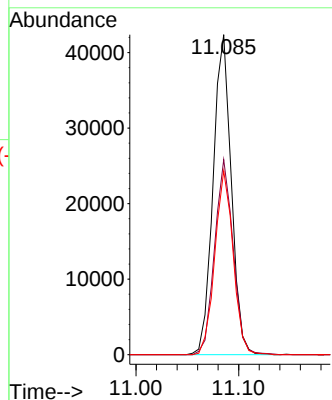
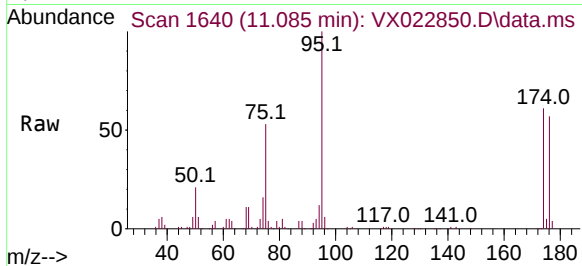




#62
4-Bromofluorobenzene
Concen: 48.221 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

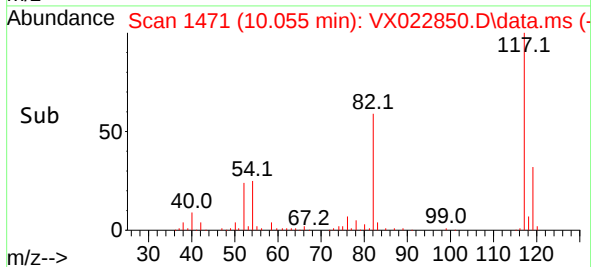
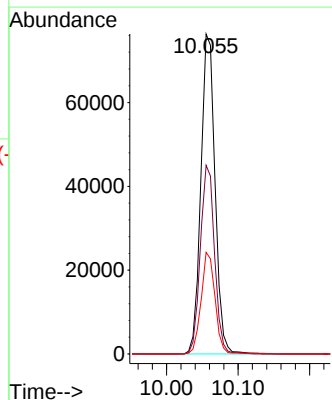
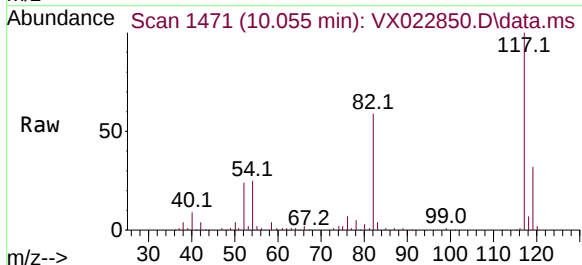
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

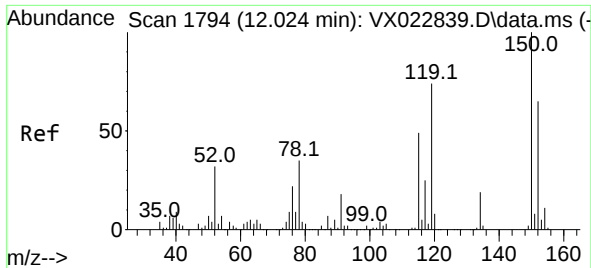
Tgt Ion: 95 Resp: 51875
Ion Ratio Lower Upper
95 100
174 62.1 0.0 154.6
176 57.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 117 Resp: 105107
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.8 26.6 39.8

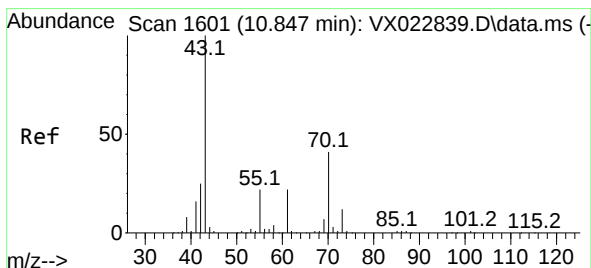
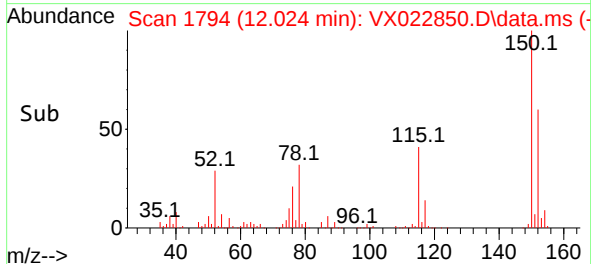
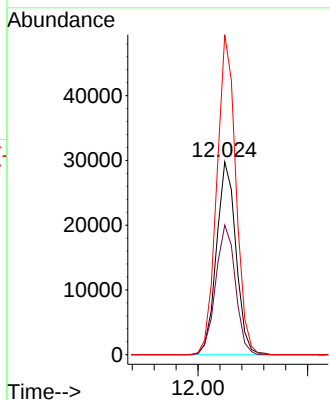
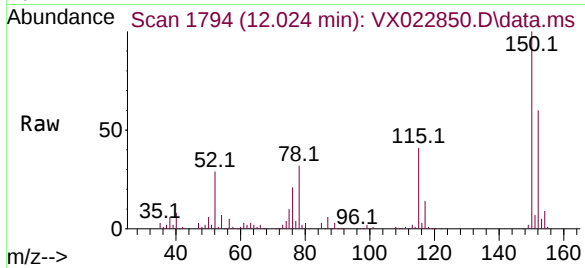




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

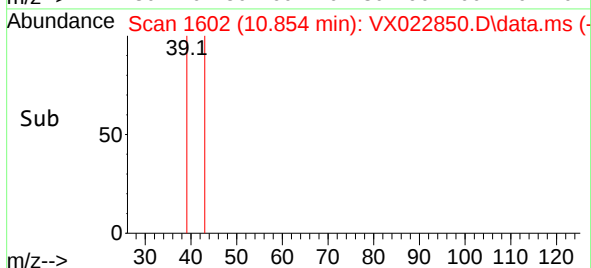
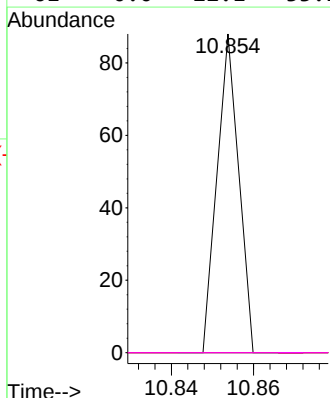
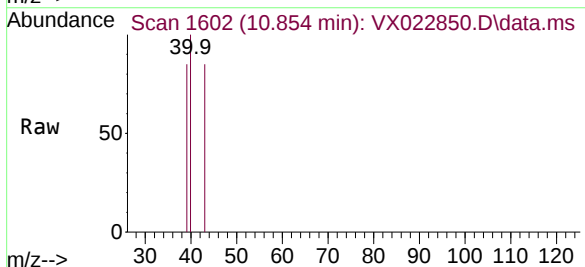
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

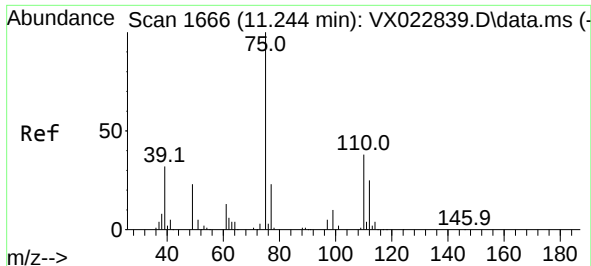
Tgt Ion:152 Resp: 36742
Ion Ratio Lower Upper
152 100
115 68.1 41.1 123.3
150 161.9 0.0 349.0



#74
N-ethyl acetate
Concen: 2.072 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.007 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 43 Resp: 32
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#

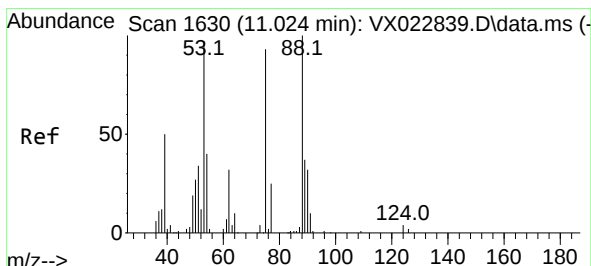
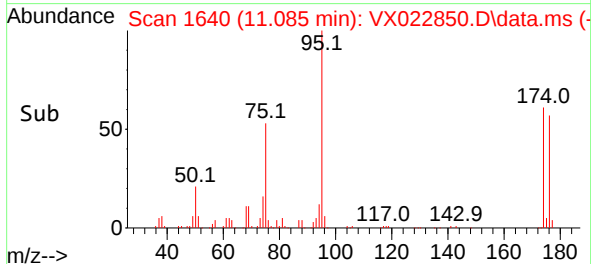
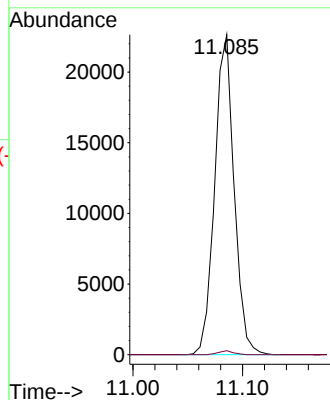
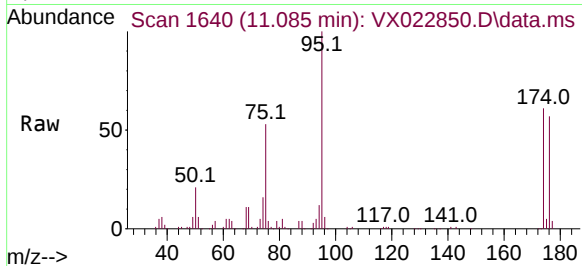




#76
1,2,3-Trichloropropane
Concen: 28.679 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

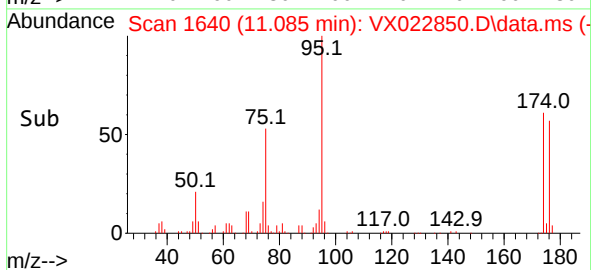
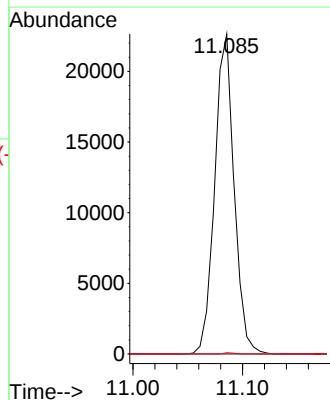
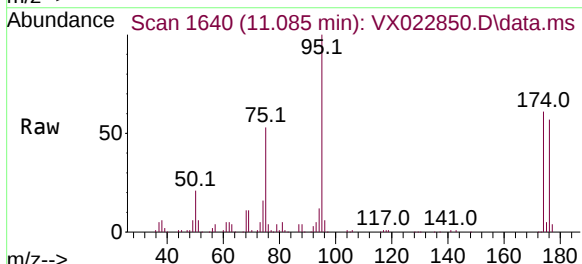
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

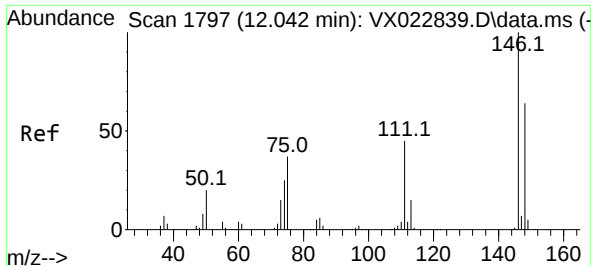
Tgt Ion: 75 Resp: 27833
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.887 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion: 75 Resp: 27833
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.2 37.9 56.9#

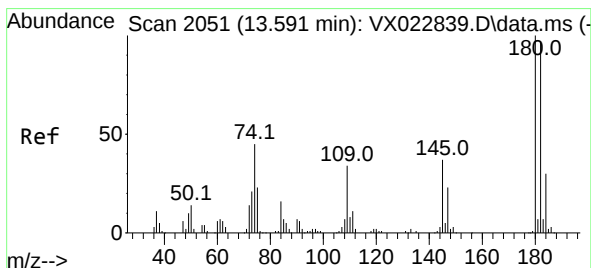
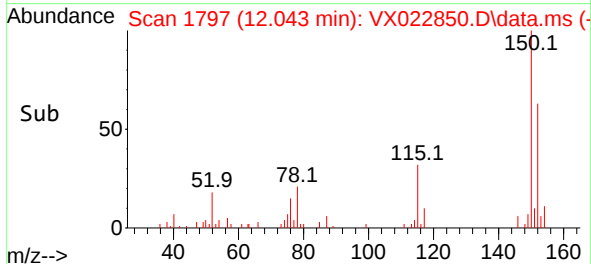
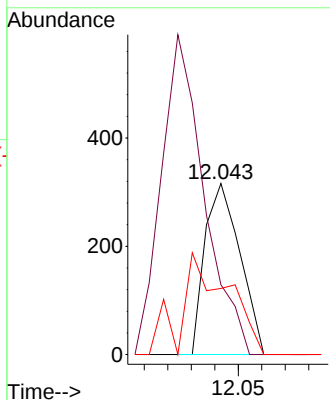
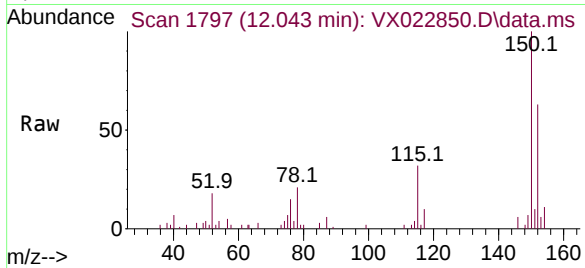




#88
1,4-Dichlorobenzene
Concen: 0.251 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

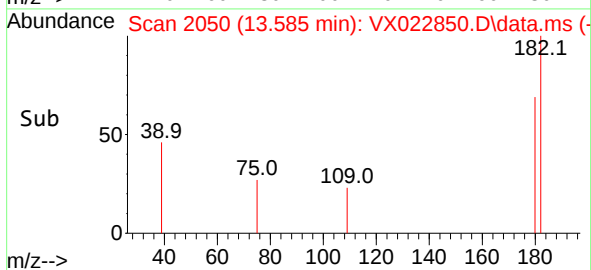
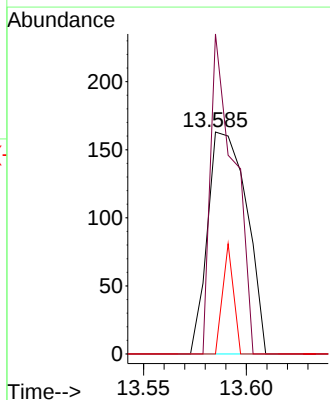
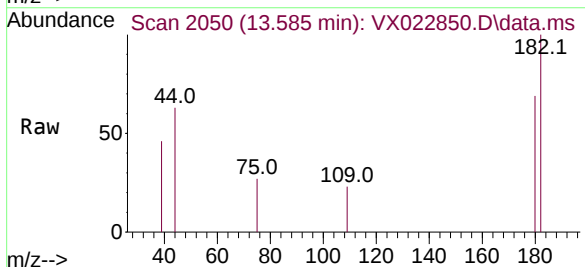
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617

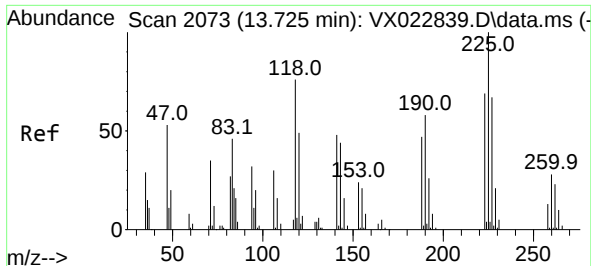
Tgt Ion:146	Resp:	327
Ion Ratio	Lower	Upper
146	100	
111	227.8	19.6 58.8#
148	80.4	31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.320 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

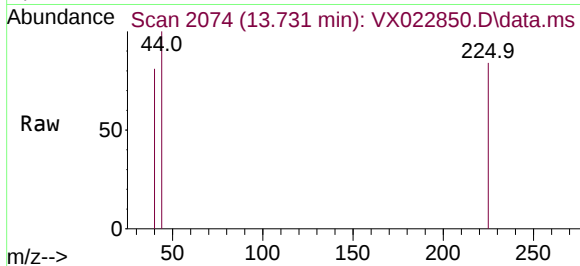
Tgt Ion:180	Resp:	216
Ion Ratio	Lower	Upper
180	100	
182	87.5	47.7 143.1
145	13.9	15.0 45.0#



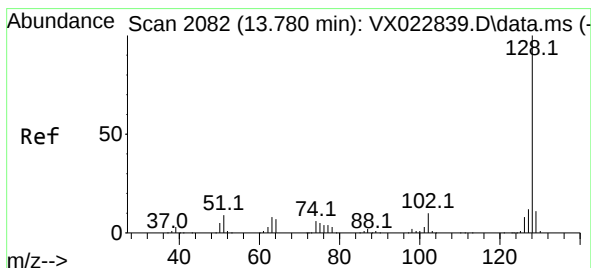
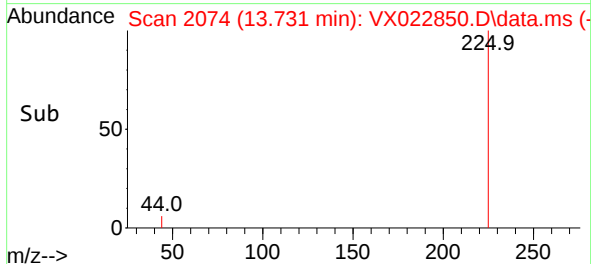
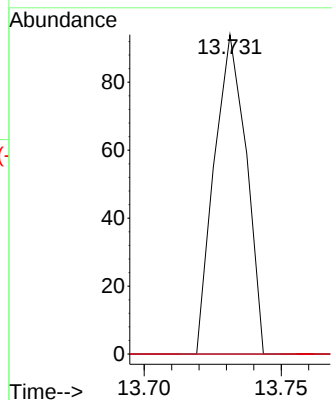


#94
Hexachlorobutadiene
Concen: 0.287 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20210617



Tgt Ion:225 Resp: 76
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#



#95
Naphthalene
Concen: 2.082 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022850.D
Acq: 23 Jun 2021 19:18

Tgt Ion:128 Resp: 498
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

