

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022898.D
 Acq On : 25 Jun 2021 03:57
 Operator : JC/MD
 Sample : M2838-11 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20210622

Quant Time: Jun 25 05:43:46 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)

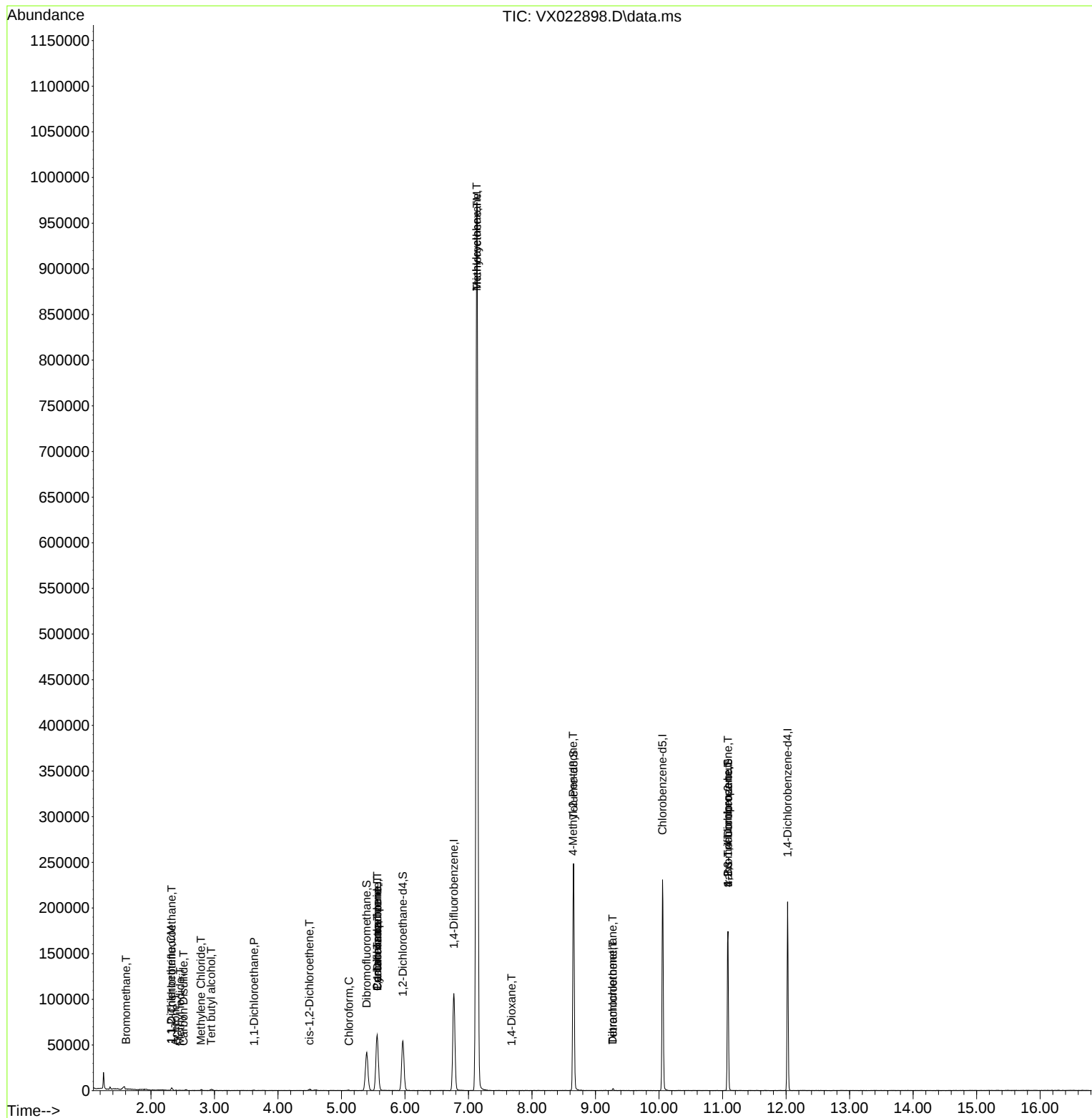
Internal Standards						
1) Pentafluorobenzene	5.562	168	49275	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	104092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	94166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36033	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50777	56.78	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.56%			
35) Dibromofluoromethane	5.397	113	35182	53.22	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.44%			
50) Toluene-d8	8.653	98	141455	54.60	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.20%			
62) 4-Bromofluorobenzene	11.085	95	48076	49.72	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.44%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	146	0.38	ug/l	# 61
9) 1,1,2-Trichlorotrifluo...	2.325	101	638	1.00	ug/l	88
10) Methyl Iodide	2.459	142	88	3.98	ug/l	# 42
11) Tert butyl alcohol	2.946	59	939	5.04	ug/l	# 73
12) 1,1-Dichloroethene	2.319	96	623	0.97	ug/l	# 75
16) Acetone	2.386	43	366	0.92	ug/l	# 40
17) Carbon Disulfide	2.514	76	117	3.58	ug/l	# 75
20) Methylene Chloride	2.788	84	526	1.04	ug/l	# 67
24) 1,1-Dichloroethane	3.623	63	587	0.43	ug/l	# 81
27) cis-1,2-Dichloroethene	4.495	96	779	0.99	ug/l	70
30) Chloroform	5.117	83	546	0.40	ug/l	89
31) Cyclohexane	5.562	56	1489	1.18	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	5373	4.86	ug/l	# 46
38) Carbon Tetrachloride	5.562	117	5807	6.26	ug/l	# 16
39) Methylcyclohexane	7.129	83	4523	3.51	ug/l	# 1
44) Trichloroethene	7.135	130	338125	447.22	ug/l	93
49) 1,4-Dioxane	7.677	88	25	1.22	ug/l	# 24
51) 4-Methyl-2-Pentanone	8.647	43	887	0.69	ug/l	# 1
60) Dibromochloromethane	9.269	129	288	4.00	ug/l	# 11
64) Tetrachloroethene	9.275	164	315	0.48	ug/l	# 80
76) 1,2,3-Trichloropropane	11.085	75	26202	27.53	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	26202	71.19	ug/l	# 12

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

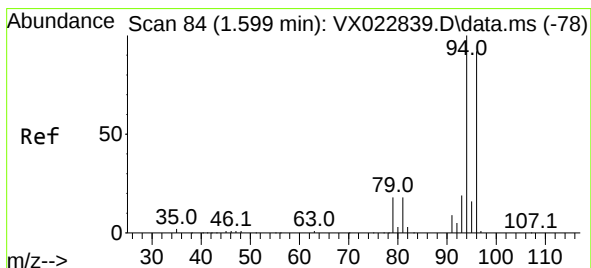
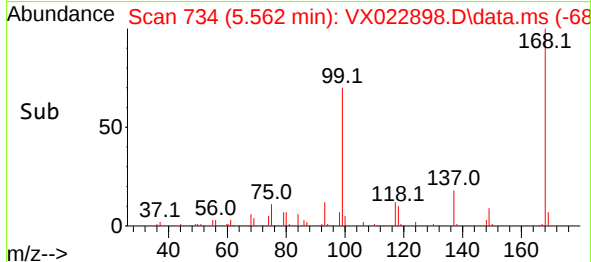
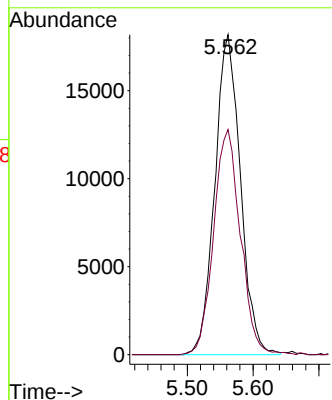
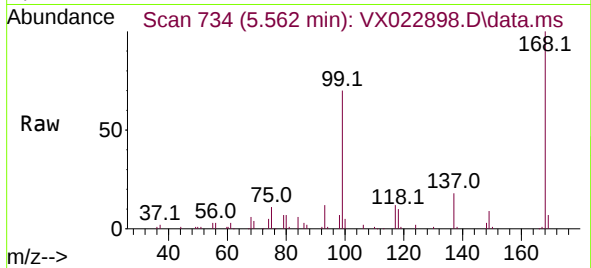




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

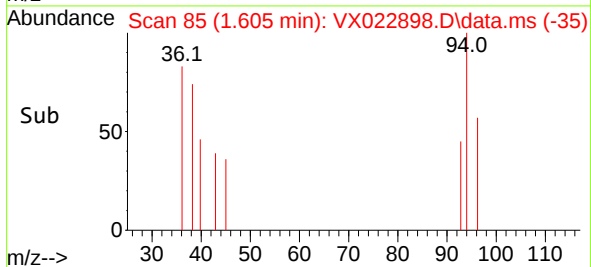
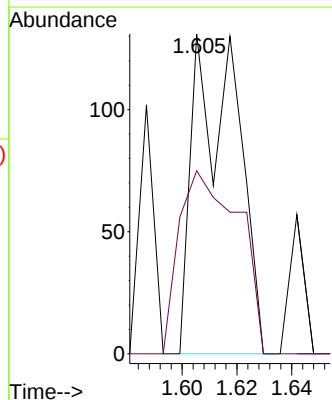
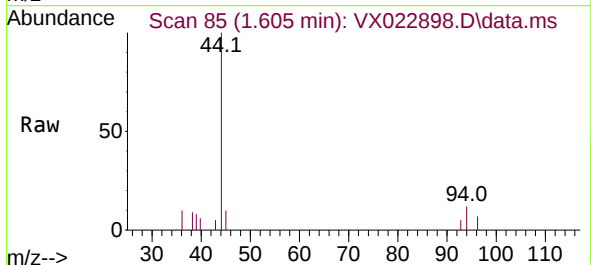
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

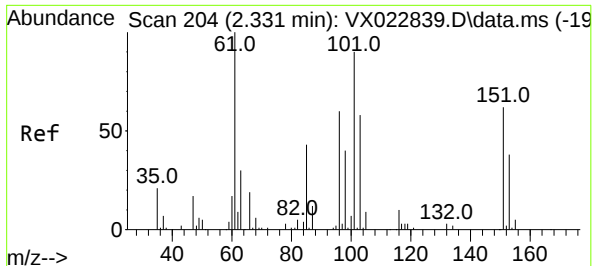
Tgt Ion:168 Resp: 49275
Ion Ratio Lower Upper
168 100
99 70.4 45.8 68.6#



#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 57.3 76.4 114.6#

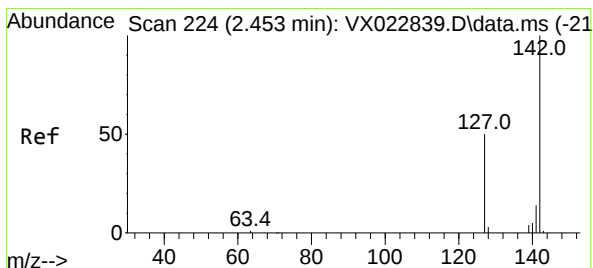
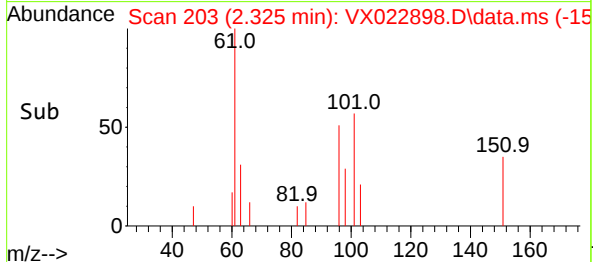
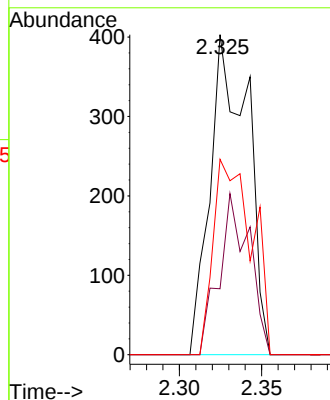
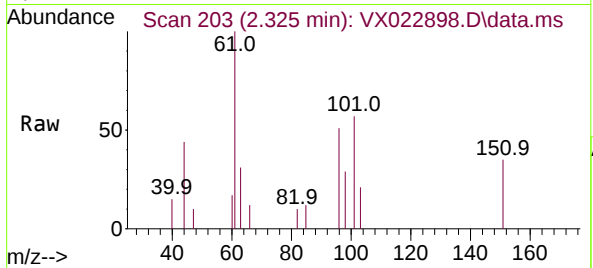




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.00 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

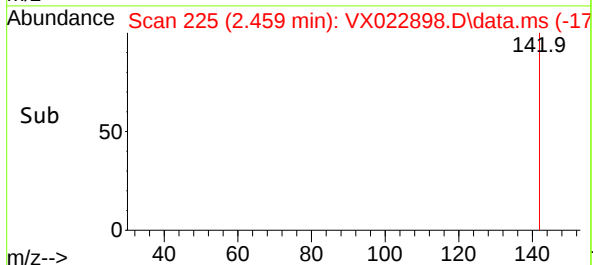
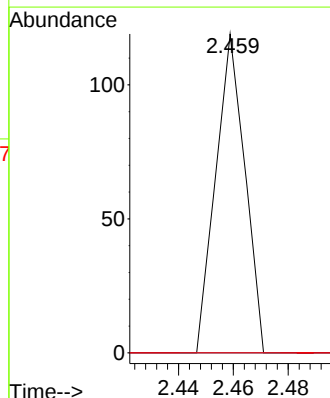
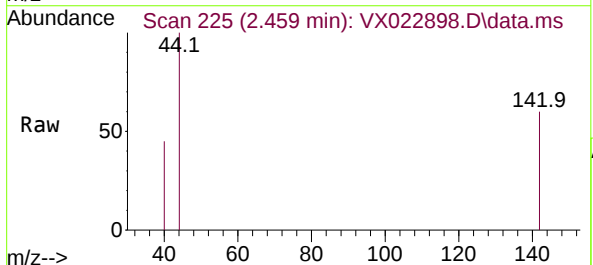
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

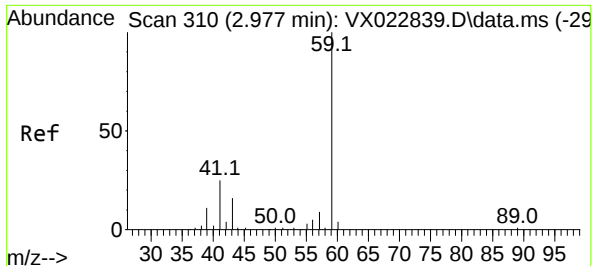
Tgt Ion:101 Resp: 638
Ion Ratio Lower Upper
101 100
85 40.8 34.9 52.3
151 62.7 61.4 92.2



#10
Methyl Iodide
Concen: 3.98 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



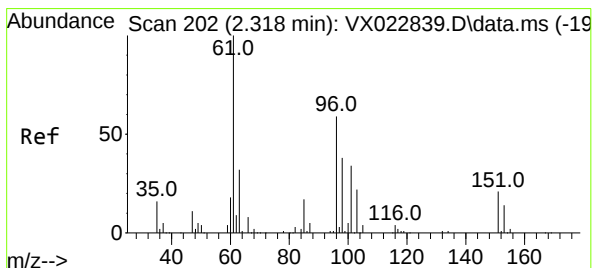
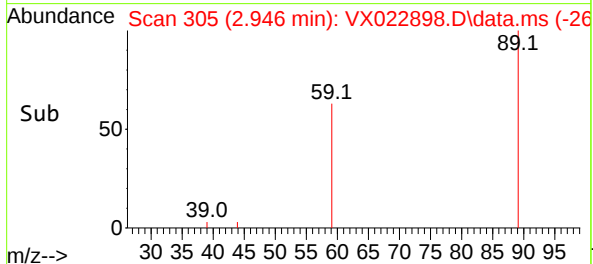
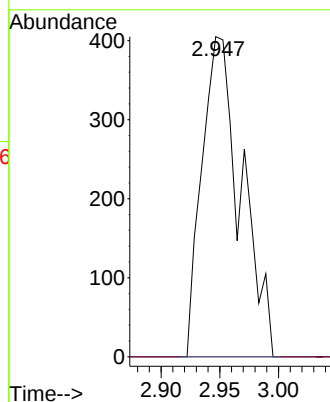
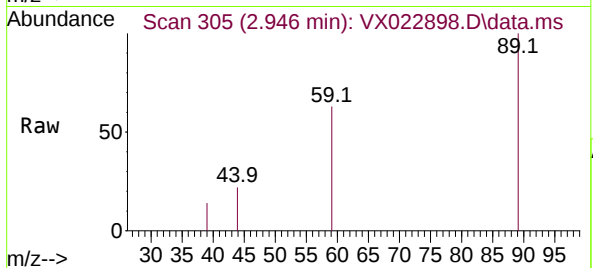


#11

Tert butyl alcohol
Concen: 5.04 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

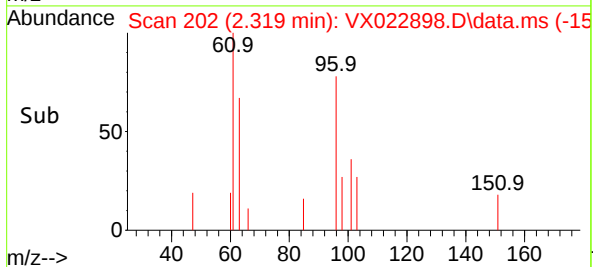
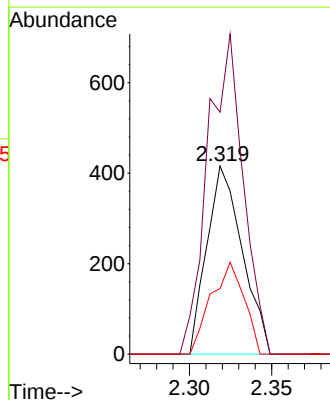
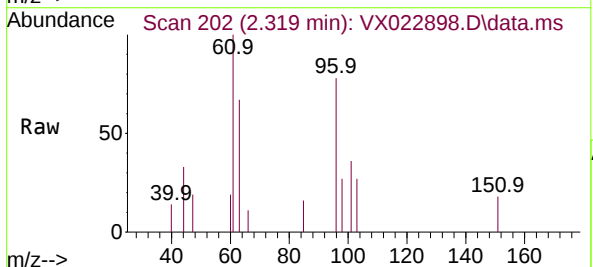
Tgt Ion: 59 Resp: 939
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

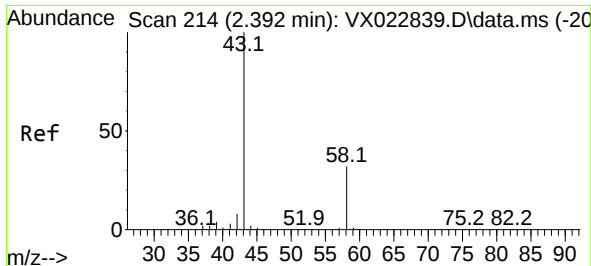


#12

1,1-Dichloroethene
Concen: 0.97 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 96 Resp: 623
Ion Ratio Lower Upper
96 100
61 128.6 124.6 187.0
98 34.9 50.6 76.0#

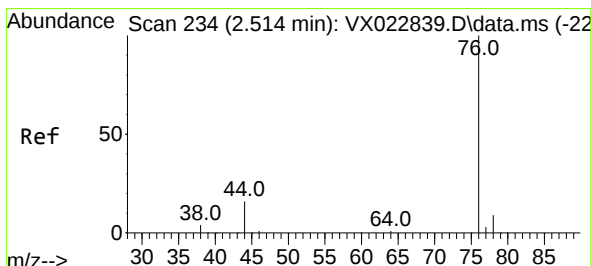
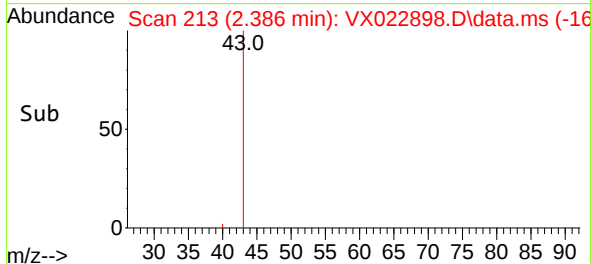
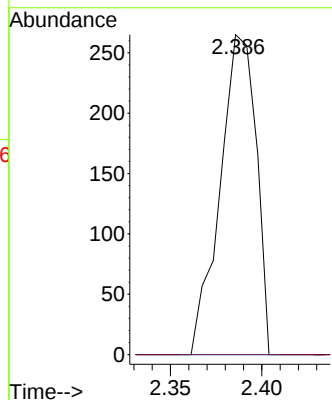
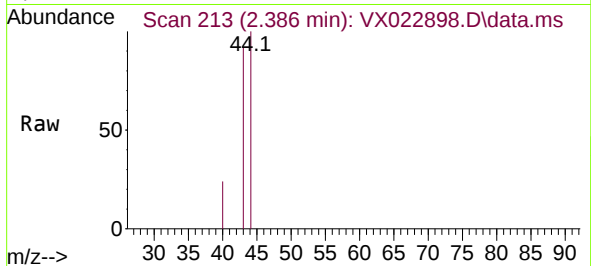




#16
Acetone
Concen: 0.92 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

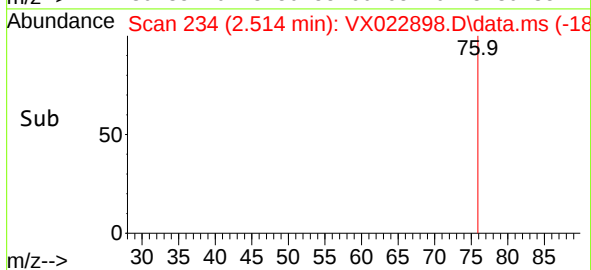
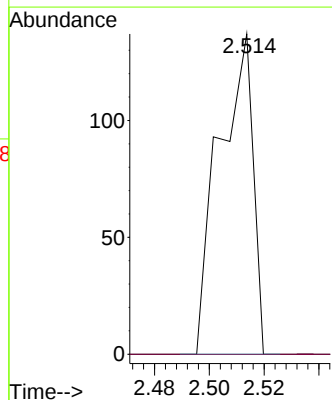
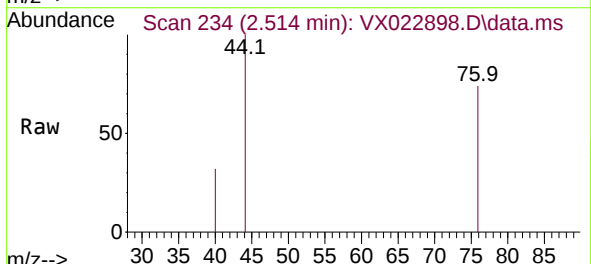
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

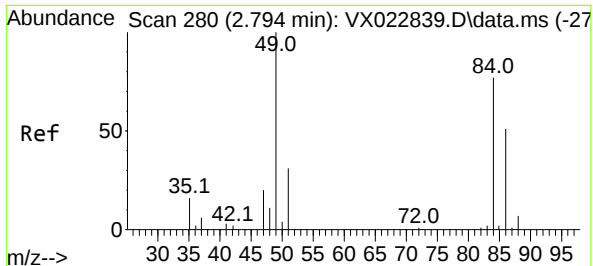
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.58 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 76 Resp: 117
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 1.04 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX022898.D

Acq: 25 Jun 2021 03:57

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20210622

Tgt Ion: 84 Resp: 526

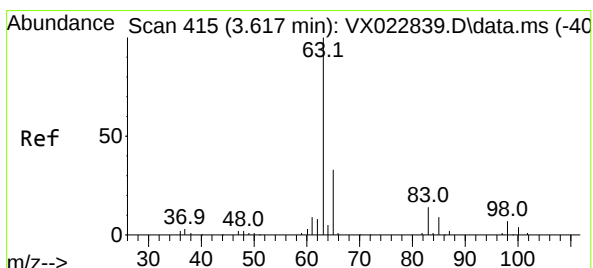
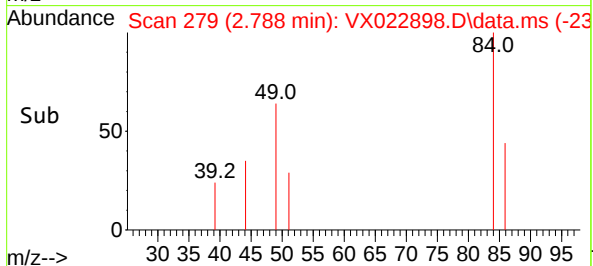
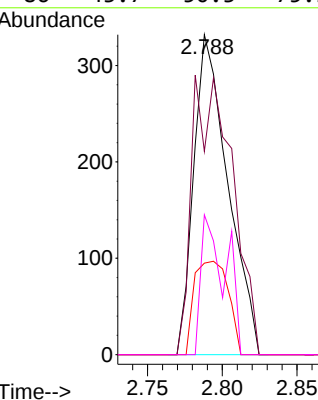
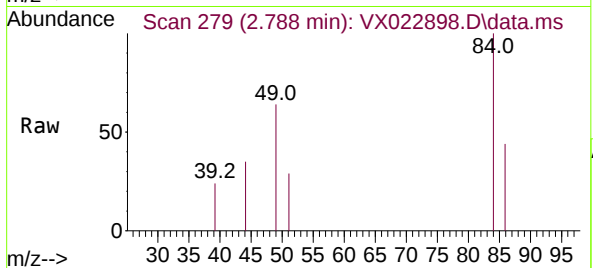
Ion Ratio Lower Upper

84 100

49 63.6 88.6 132.8#

51 28.6 27.0 40.6

86 43.7 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.43 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.006 min

Lab File: VX022898.D

Acq: 25 Jun 2021 03:57

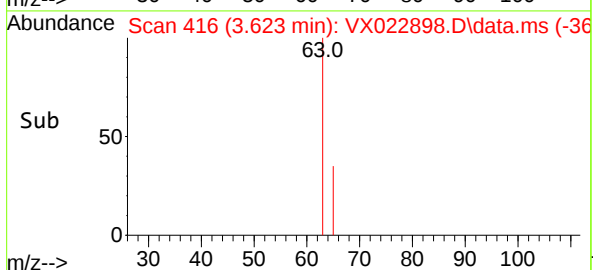
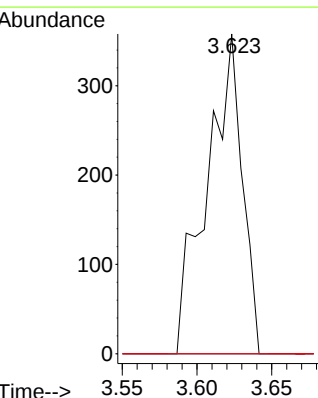
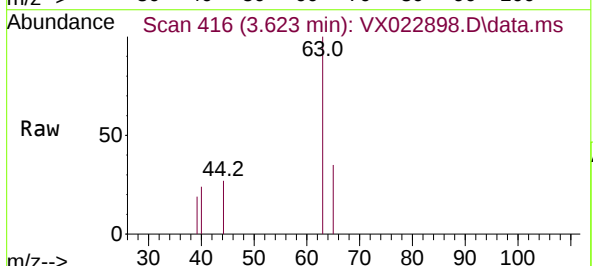
Tgt Ion: 63 Resp: 587

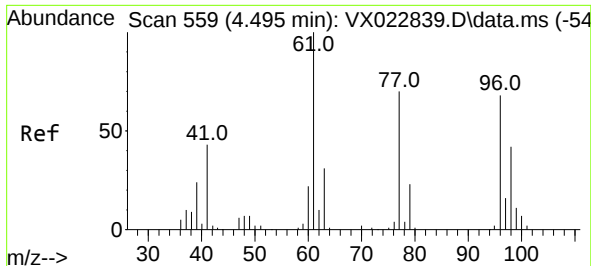
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 0.99 ug/l

RT: 4.495 min Scan# 559

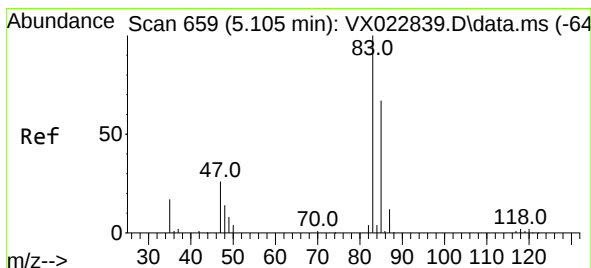
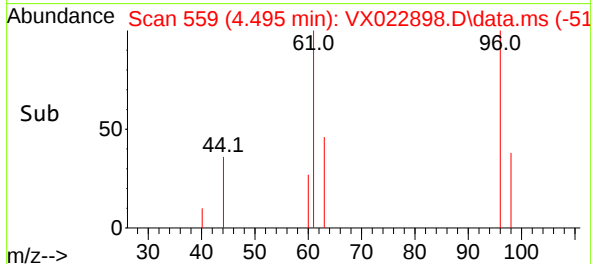
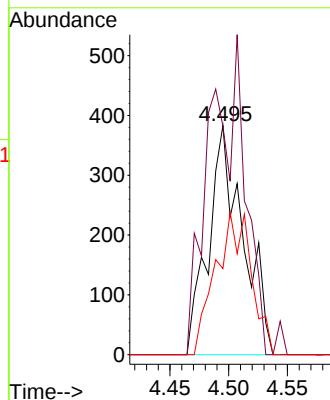
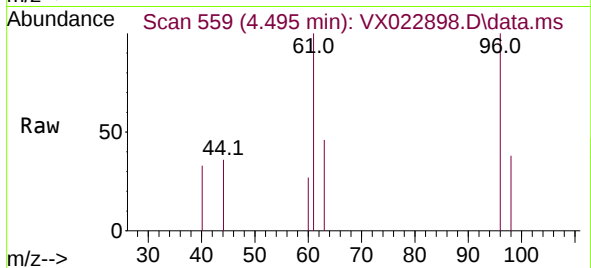
Delta R.T. 0.000 min

Lab File: VX022898.D

Acq: 25 Jun 2021 03:57

Tgt Ion: 96	Resp:	779	
Ion	Ratio	Lower	Upper
96	100		
61	88.7	0.0	285.6
98	64.3	0.0	129.6

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#30

Chloroform

Concen: 0.40 ug/l

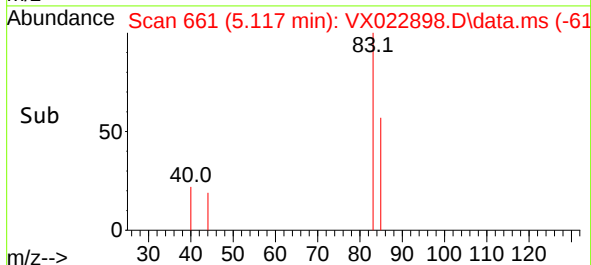
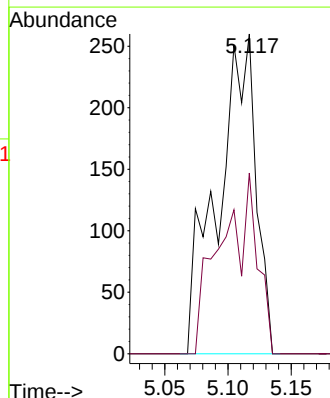
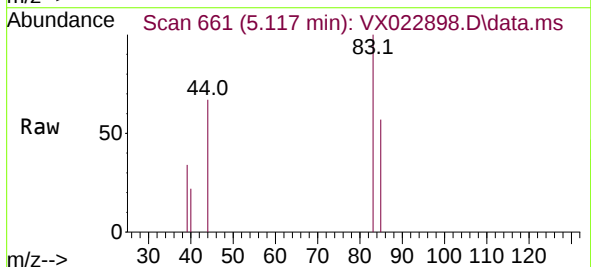
RT: 5.117 min Scan# 661

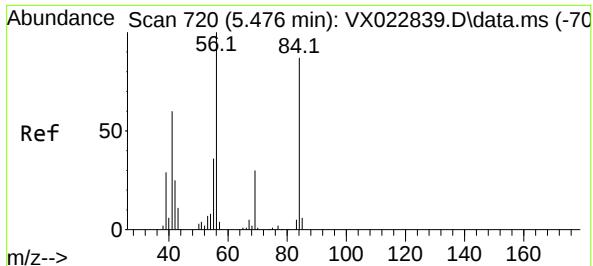
Delta R.T. 0.012 min

Lab File: VX022898.D

Acq: 25 Jun 2021 03:57

Tgt Ion: 83	Resp:	546	
Ion Ratio	Lower	Upper	
83 100			
85 56.5	52.0	78.0	

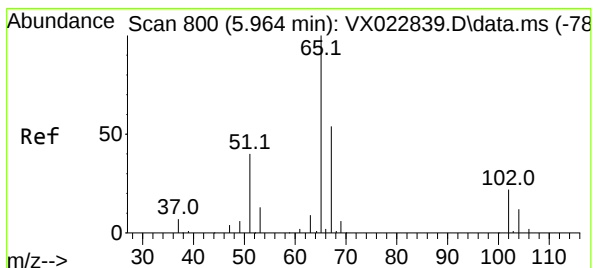
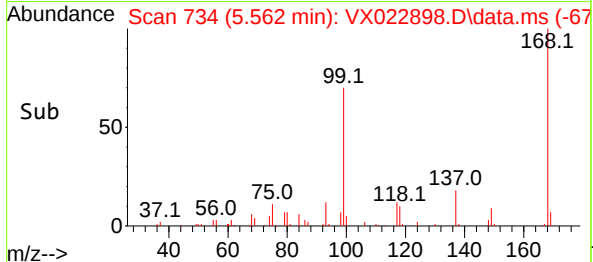
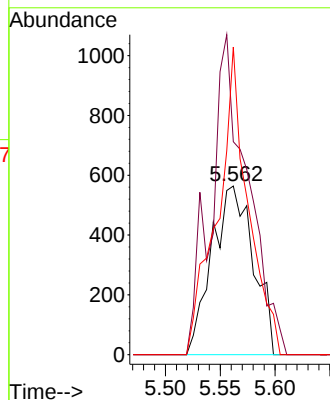
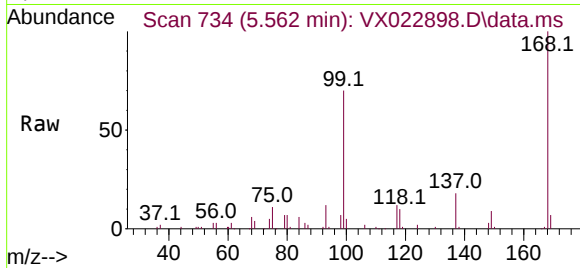




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

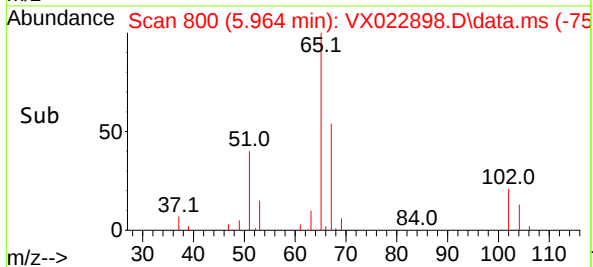
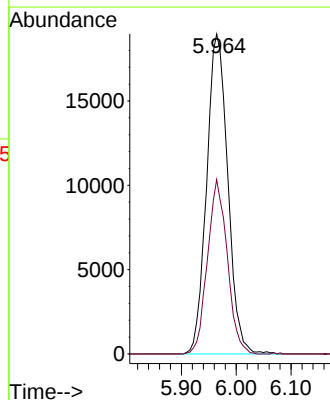
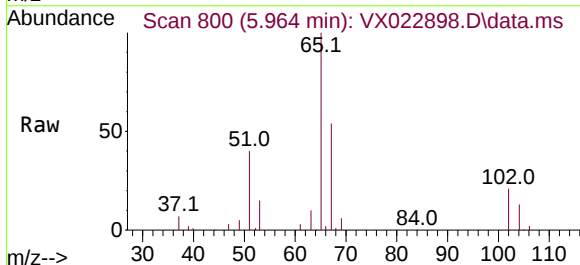
Instrument :
MSVOA_X
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RE108D2-20210622

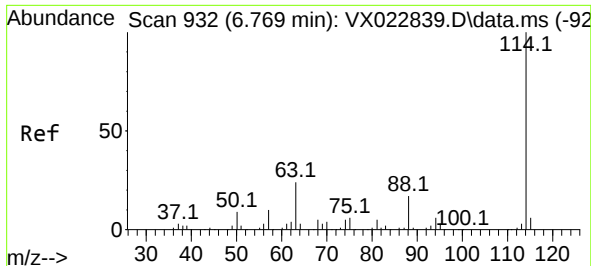
Tgt Ion: 56 Resp: 1489
Ion Ratio Lower Upper
56 100
69 126.2 25.3 37.9#
84 182.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.78 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 65 Resp: 50777
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

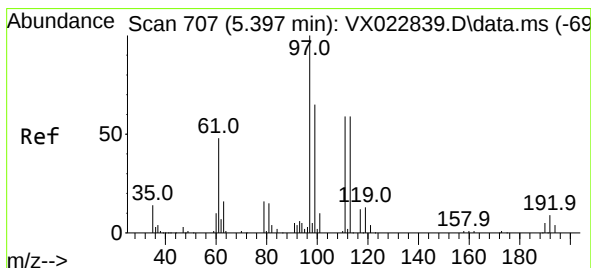
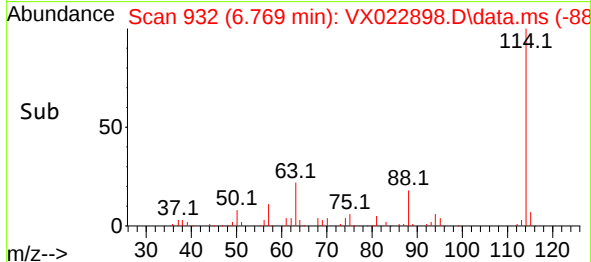
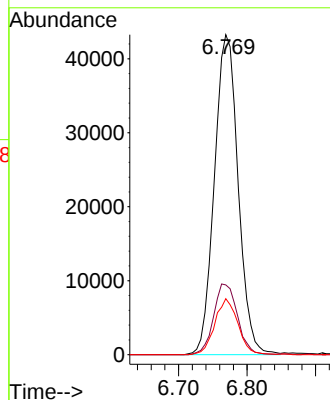
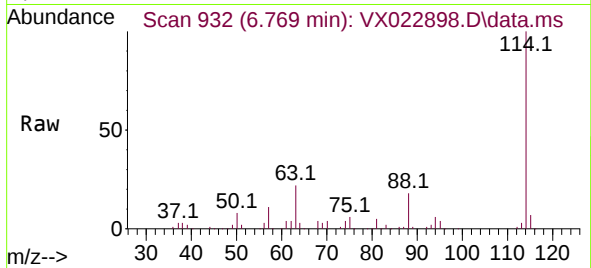




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

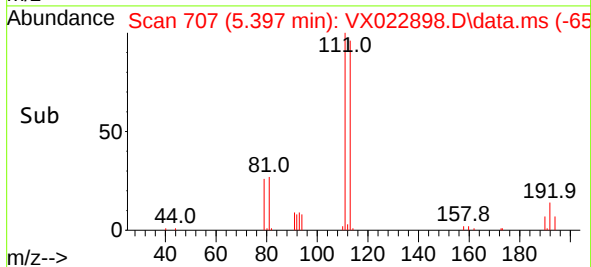
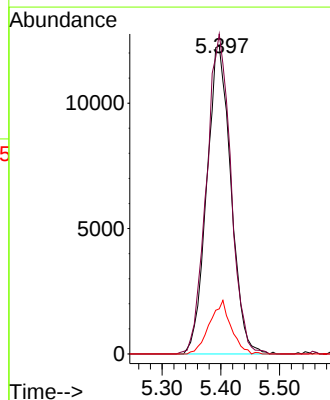
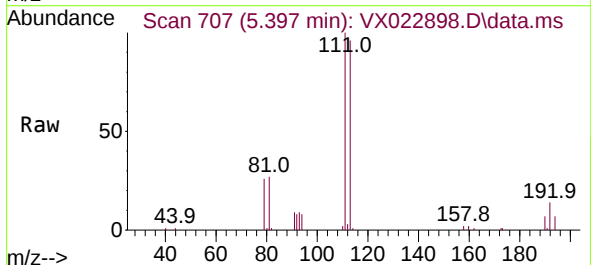
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

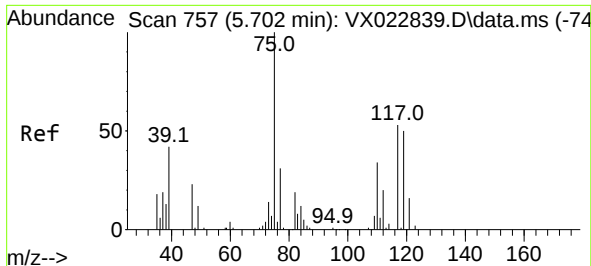
Tgt Ion:114 Resp: 104092
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 17.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.22 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion:113 Resp: 35182
Ion Ratio Lower Upper
113 100
111 104.6 81.9 122.9
192 15.4 16.7 25.1#

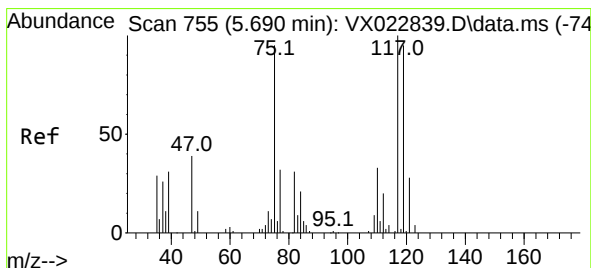
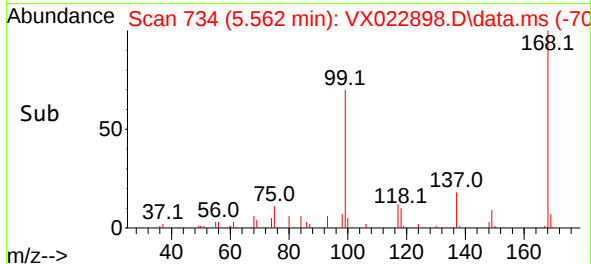
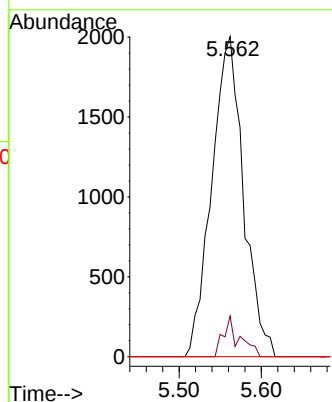
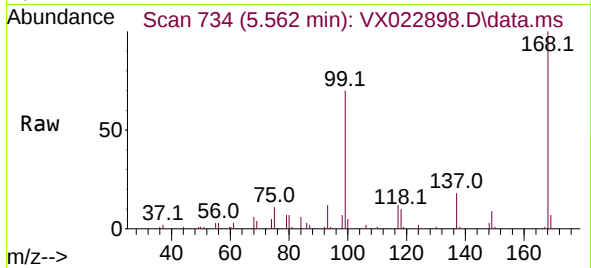




#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

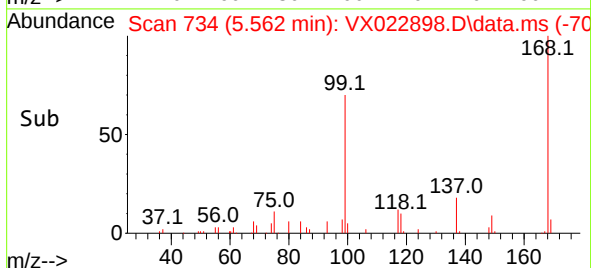
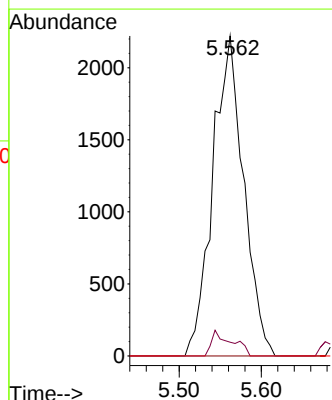
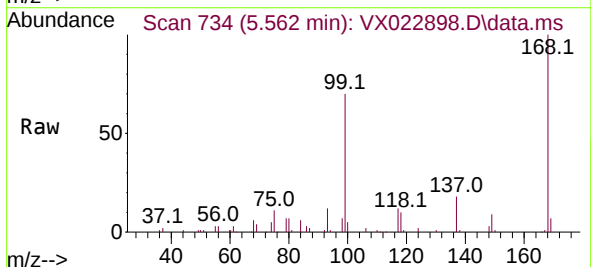
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

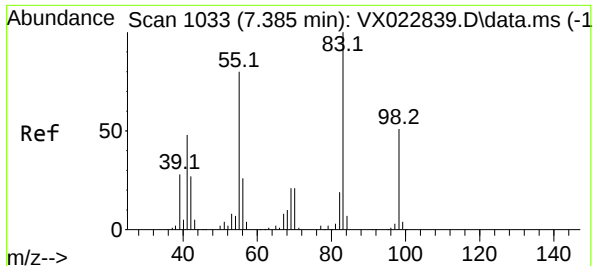
Tgt Ion: 75 Resp: 5373
Ion Ratio Lower Upper
75 100
110 6.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 117 Resp: 5807
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 3.51 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022898.D

Acq: 25 Jun 2021 03:57

Tgt Ion: 83 Resp: 4523

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

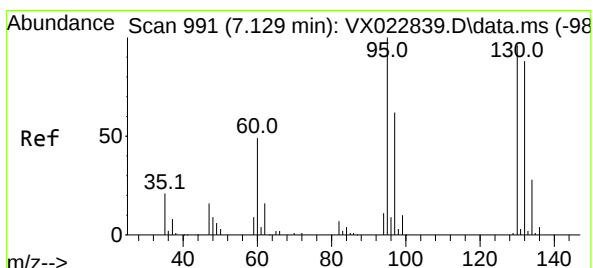
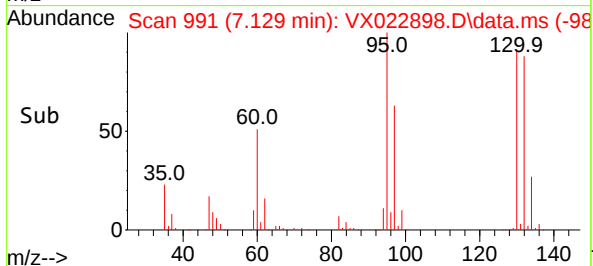
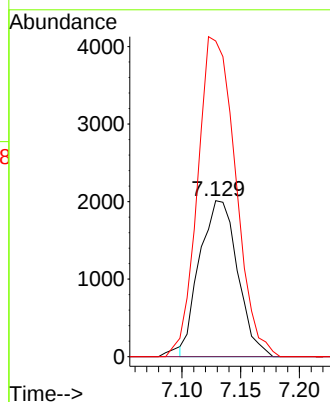
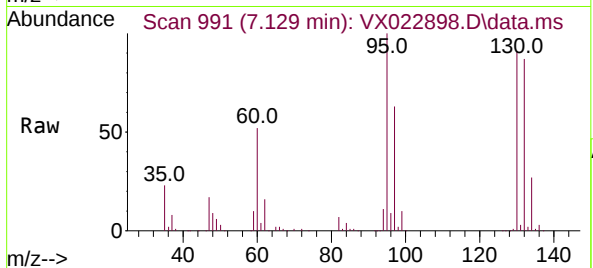
98 202.4 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20210622



#44

Trichloroethene

Concen: 447.22 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022898.D

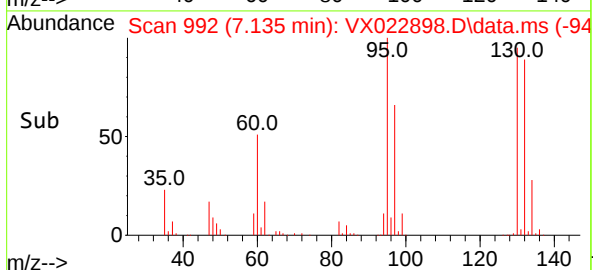
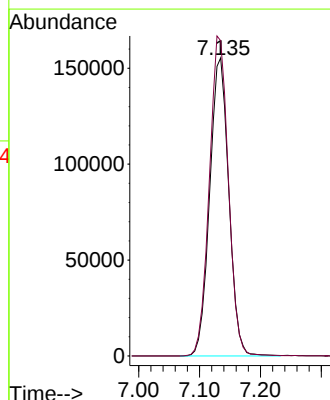
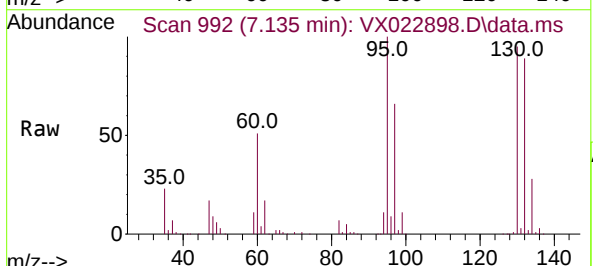
Acq: 25 Jun 2021 03:57

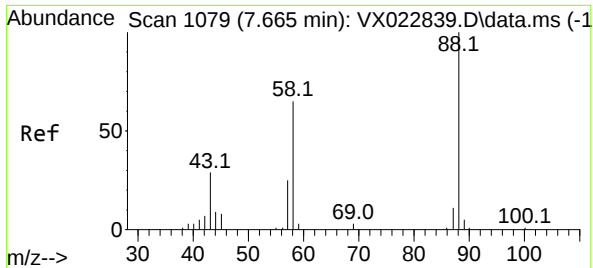
Tgt Ion:130 Resp: 338125

Ion Ratio Lower Upper

130 100

95 105.8 0.0 198.0

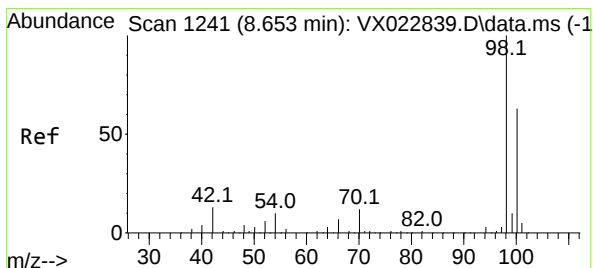
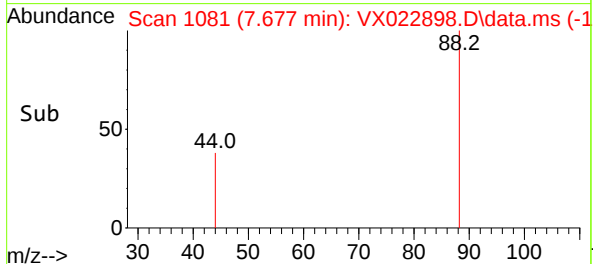
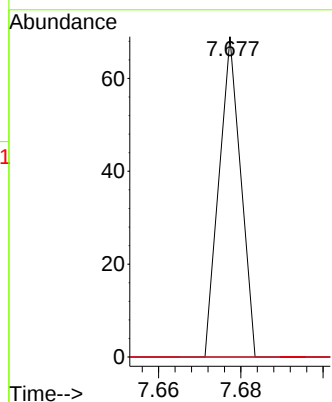
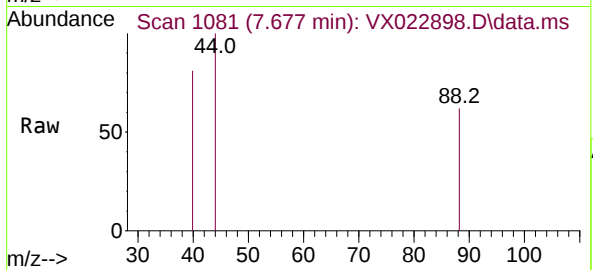




#49
1,4-Dioxane
Concen: 1.22 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

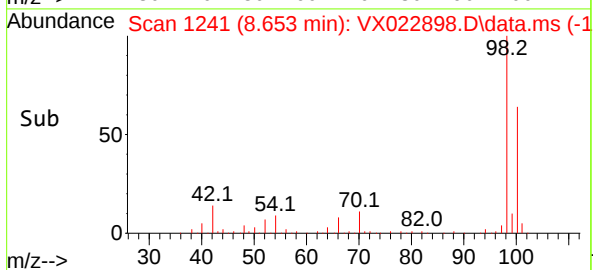
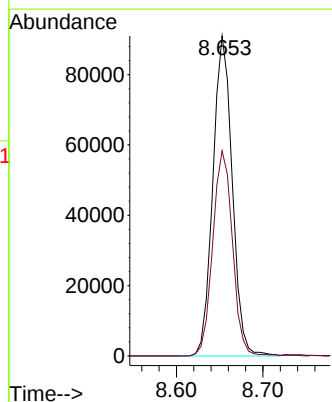
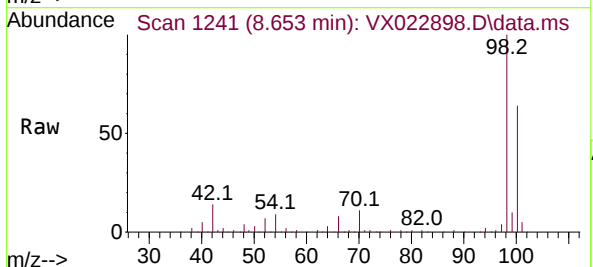
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

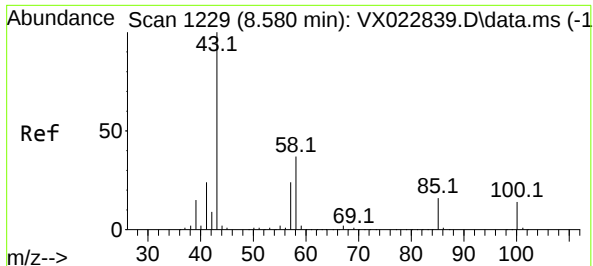
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 54.60 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 98 Resp: 141455
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

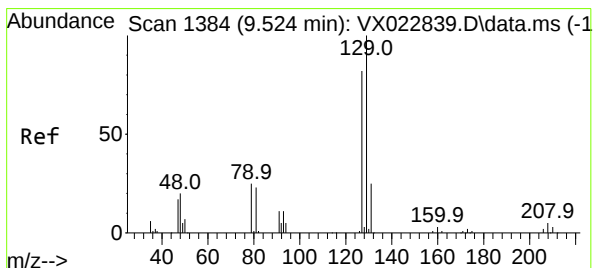
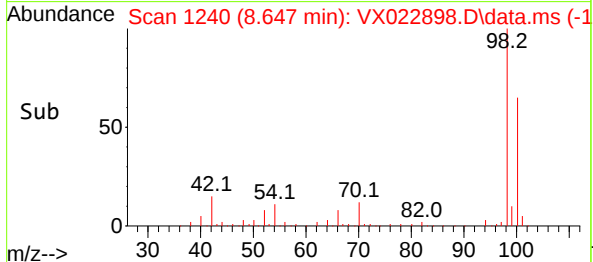
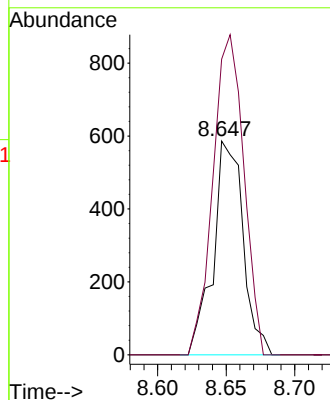
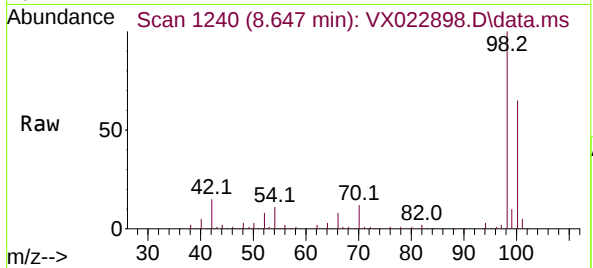




#51
4-Methyl-2-Pentanone
Concen: 0.69 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

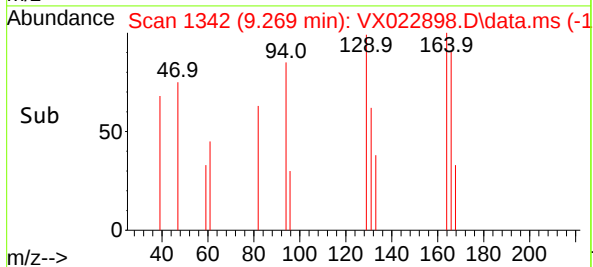
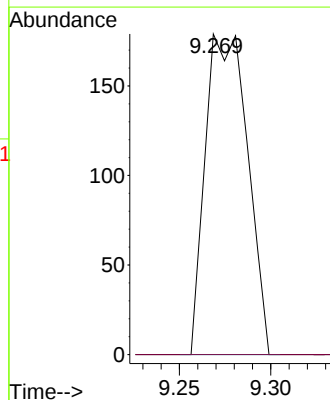
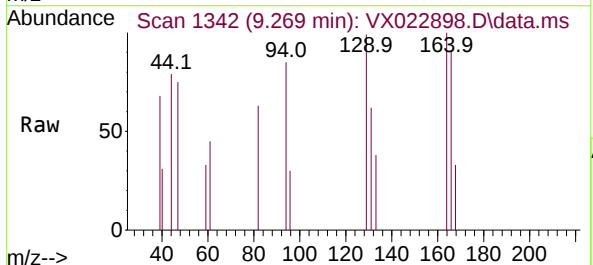
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

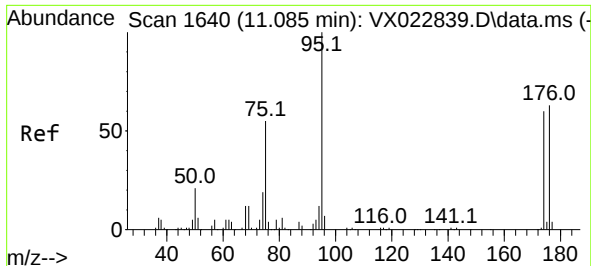
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
58 155.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 4.00 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.255 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 129 Resp: 288
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

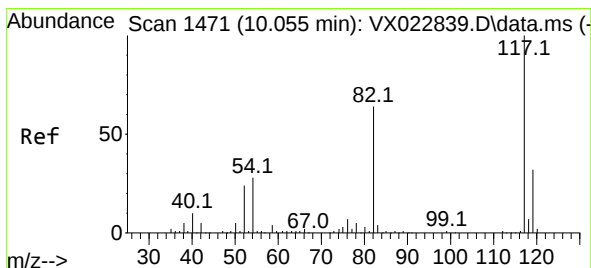
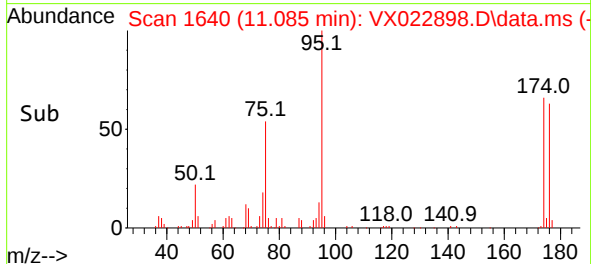
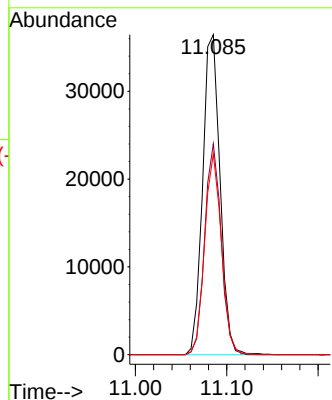
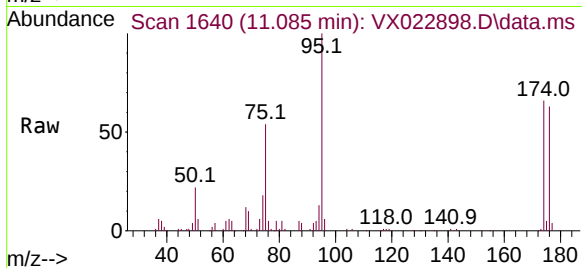




#62
4-Bromofluorobenzene
Concen: 49.72 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

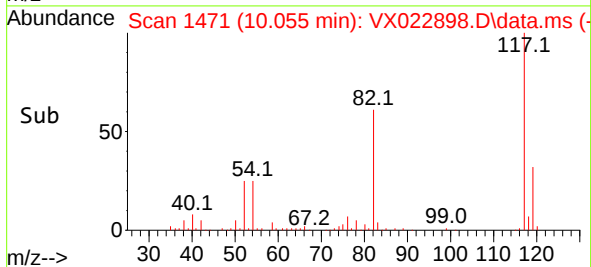
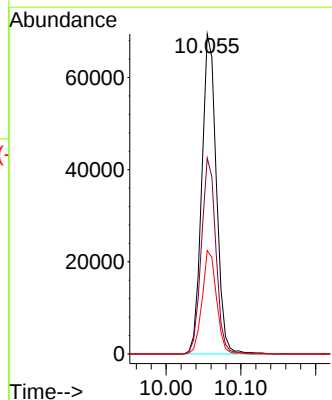
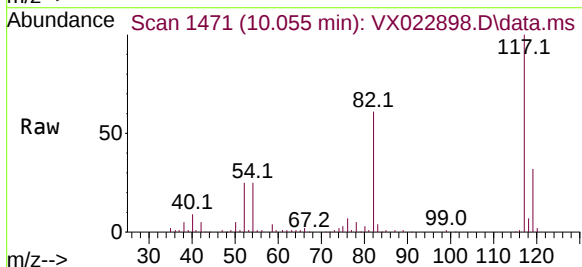
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

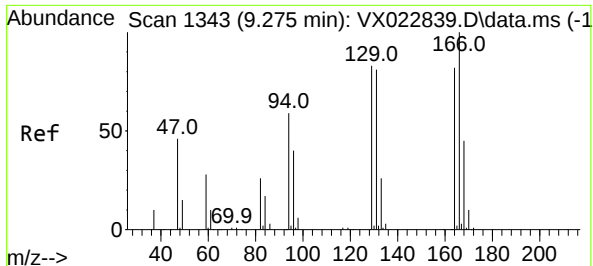
Tgt Ion: 95 Resp: 48076
Ion Ratio Lower Upper
95 100
174 62.2 0.0 154.6
176 60.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 117 Resp: 94166
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.3 26.6 39.8



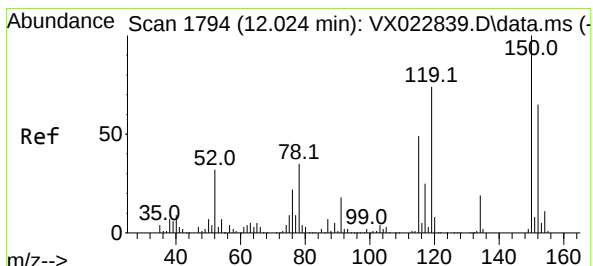
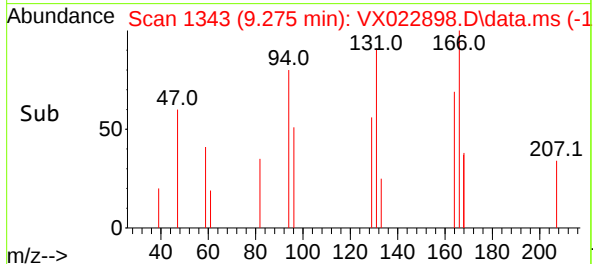
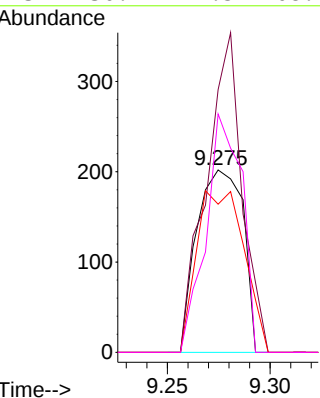
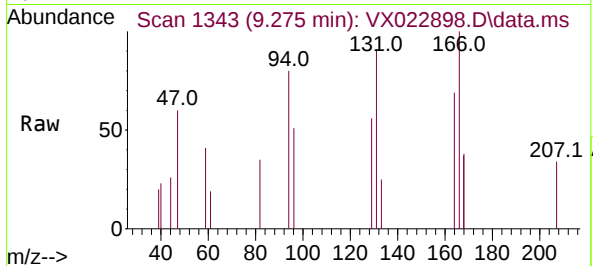


#64
Tetrachloroethene
Concen: 0.48 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

Tgt Ion:164 Resp: 315

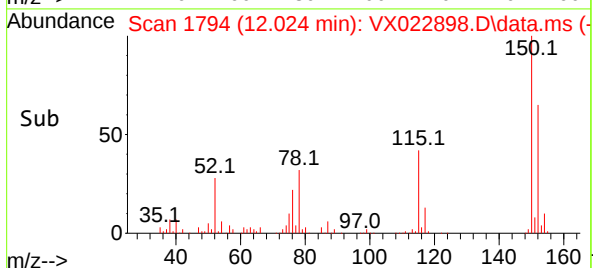
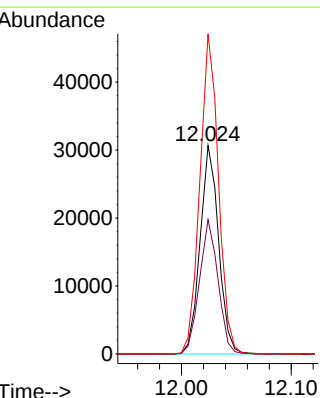
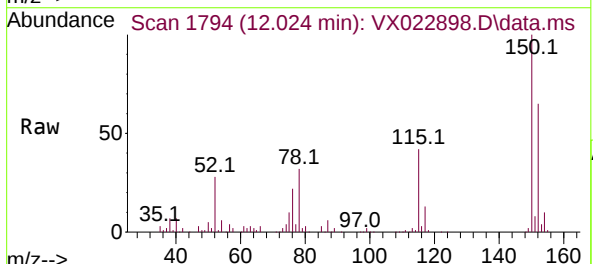
Ion	Ratio	Lower	Upper
164	100		
166	144.1	103.4	155.2
129	81.2	70.8	106.2
131	130.7	72.5	108.7

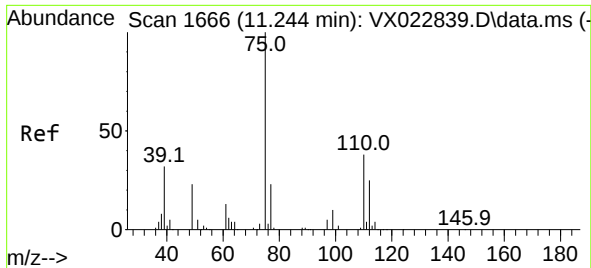


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion:152 Resp: 36033

Ion	Ratio	Lower	Upper
152	100		
115	64.6	41.1	123.3
150	153.9	0.0	349.0

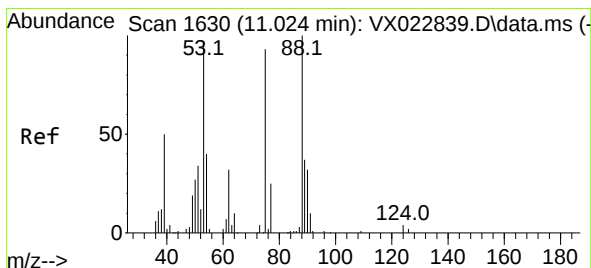
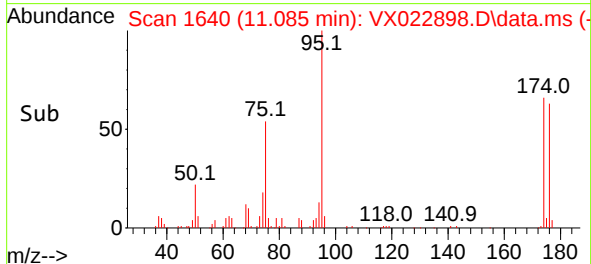
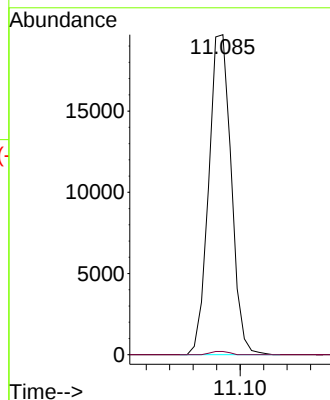
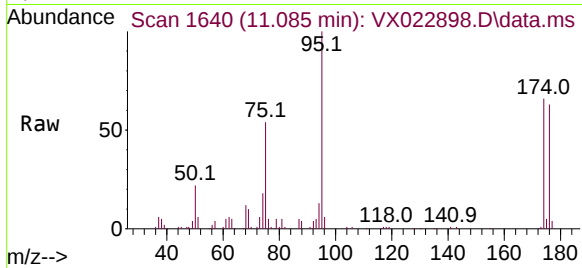




#76
1,2,3-Trichloropropane
Concen: 27.53 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20210622

Tgt Ion: 75 Resp: 26202
Ion Ratio Lower Upper
75 100
77 0.8 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.19 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022898.D
Acq: 25 Jun 2021 03:57

Tgt Ion: 75 Resp: 26202
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.2 37.9 56.9#

