

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022897.D
 Acq On : 25 Jun 2021 03:33
 Operator : JC/MD
 Sample : M2838-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210622

Quant Time: Jun 25 05:43:37 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)

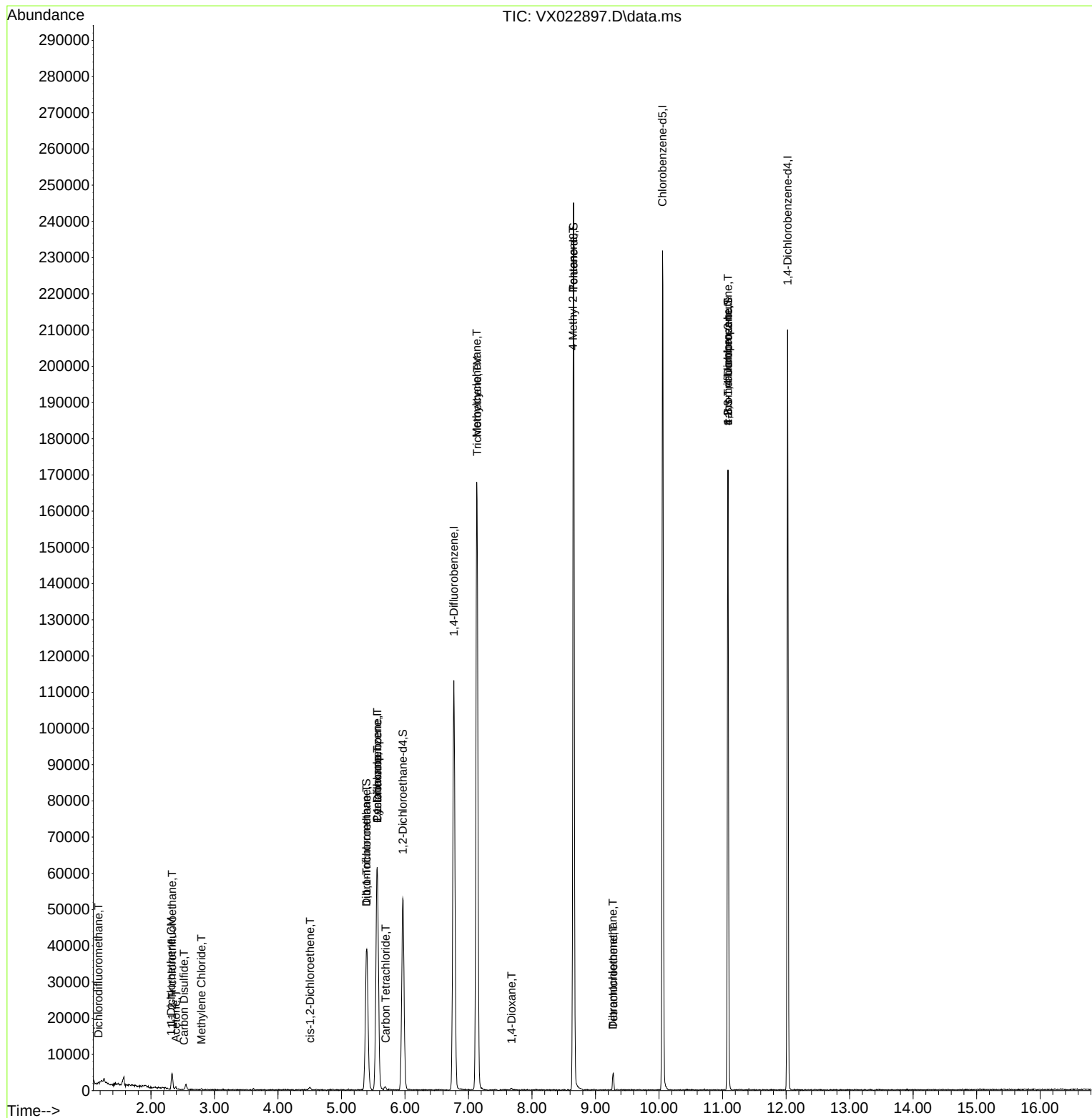
Internal Standards						
1) Pentafluorobenzene	5.562	168	52195	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	108957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	48670	51.38	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.76%			
35) Dibromofluoromethane	5.391	113	33898	48.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.98%			
50) Toluene-d8	8.653	98	134363	49.55	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.10%			
62) 4-Bromofluorobenzene	11.085	95	44888	44.35	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	168	0.23	ug/l	# 42
9) 1,1,2-Trichlorotrifluo...	2.331	101	1616	2.38	ug/l	95
12) 1,1-Dichloroethene	2.319	96	345	0.51	ug/l	# 61
16) Acetone	2.392	43	750	1.79	ug/l	98
17) Carbon Disulfide	2.520	76	88	3.56	ug/l	# 75
20) Methylene Chloride	2.794	84	100	0.49	ug/l	# 10
27) cis-1,2-Dichloroethene	4.507	96	449	0.54	ug/l	83
31) Cyclohexane	5.562	56	1695	1.27	ug/l	# 36
32) 1,1,1-Trichloroethane	5.397	97	315	0.27	ug/l	# 24
36) 1,1-Dichloropropene	5.562	75	5511	4.76	ug/l	# 48
38) Carbon Tetrachloride	5.696	117	449	0.46	ug/l	# 72
39) Methylcyclohexane	7.129	83	939	0.70	ug/l	# 1
44) Trichloroethene	7.135	130	57020	72.05	ug/l	95
49) 1,4-Dioxane	7.677	88	297	13.83	ug/l	89
51) 4-Methyl-2-Pentanone	8.647	43	666	0.50	ug/l	# 1
60) Dibromochloromethane	9.275	129	847	4.64	ug/l	# 11
64) Tetrachloroethene	9.281	164	671	0.98	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	24850	26.38	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	24850	68.48	ug/l	# 12

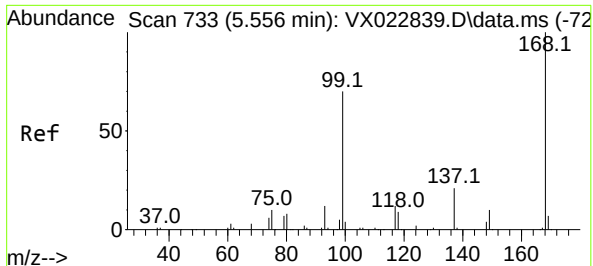
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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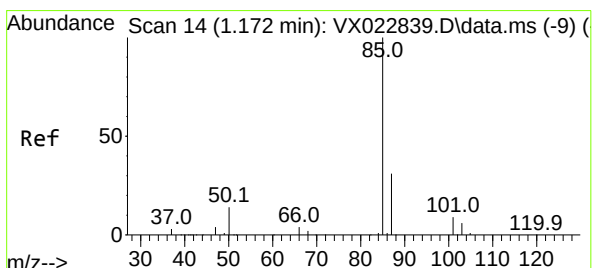
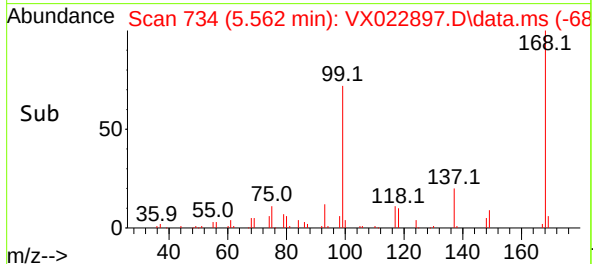
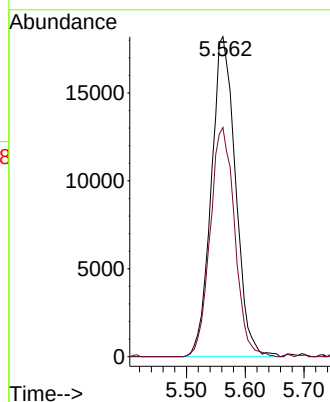
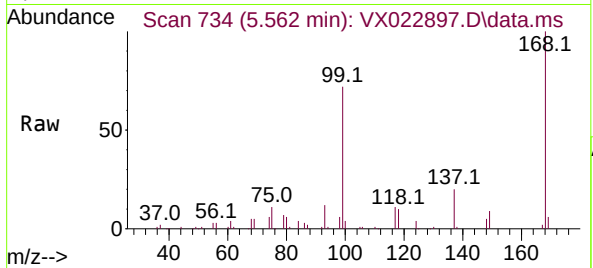




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

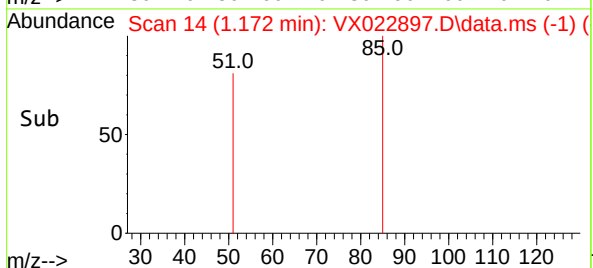
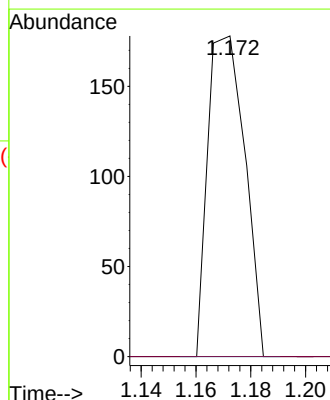
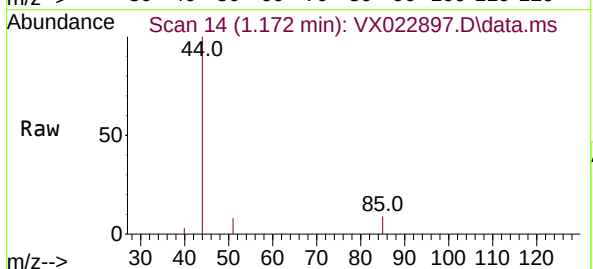
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

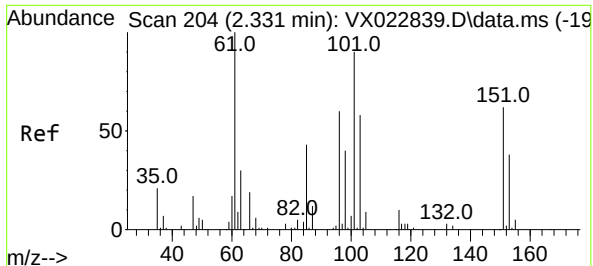
Tgt Ion:168 Resp: 52195
Ion Ratio Lower Upper
168 100
99 71.6 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.23 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 85 Resp: 168
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

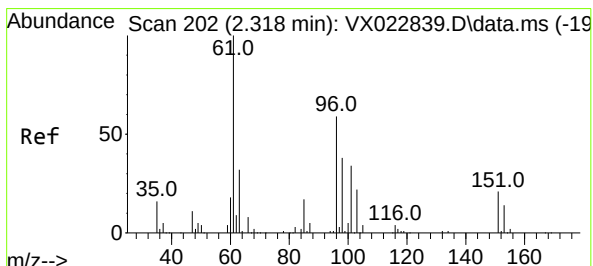
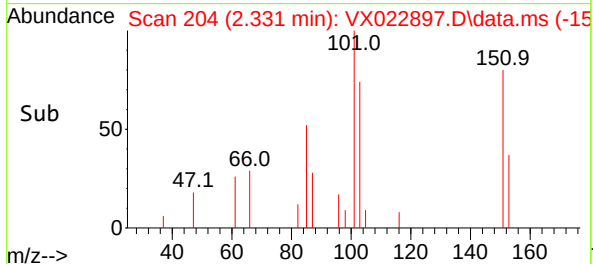
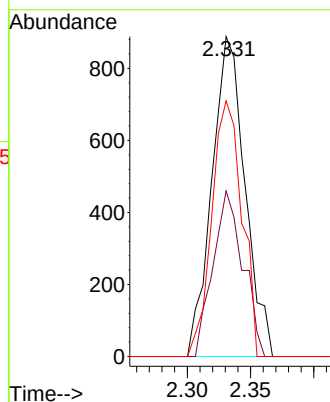
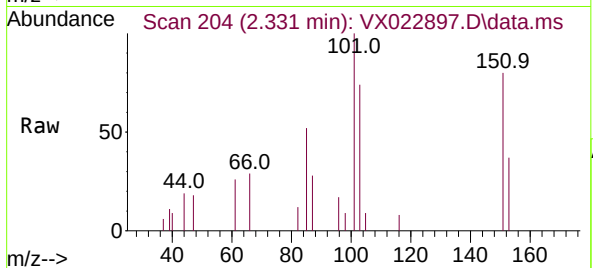




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.38 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

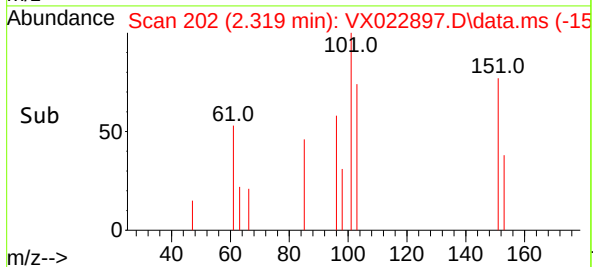
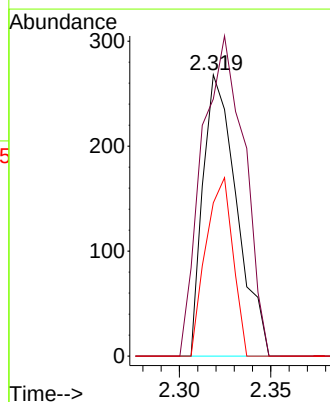
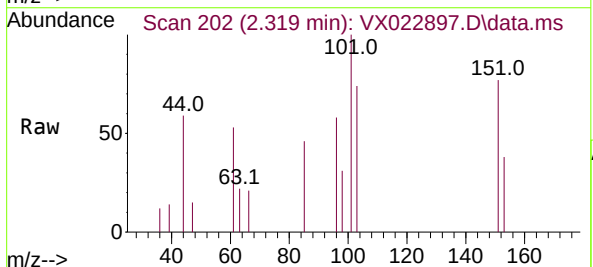
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

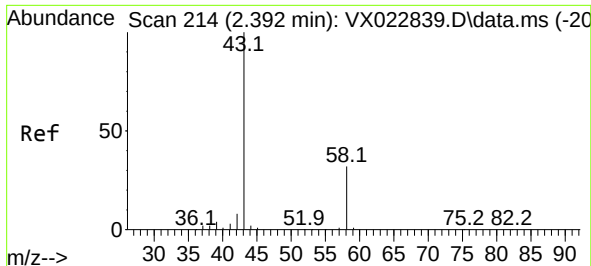
Tgt Ion:101 Resp: 1616
Ion Ratio Lower Upper
101 100
85 47.1 34.9 52.3
151 72.8 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.51 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 96 Resp: 345
Ion Ratio Lower Upper
96 100
61 91.4 124.6 187.0#
98 54.5 50.6 76.0

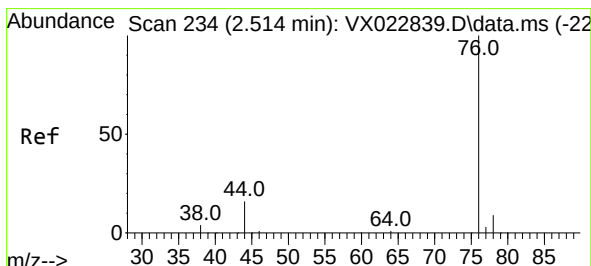
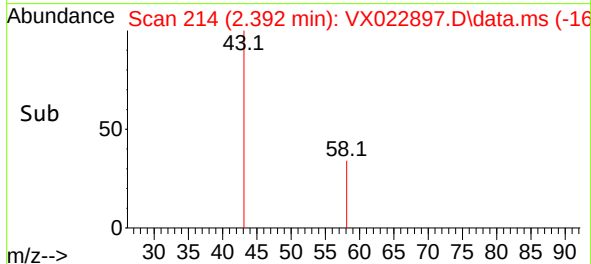
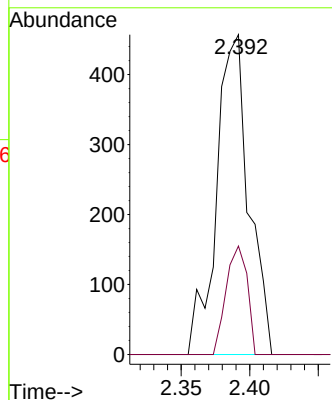
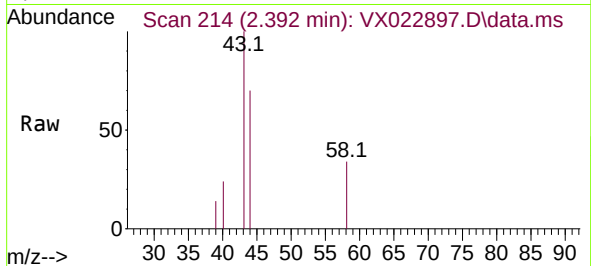




#16
Acetone
Concen: 1.79 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

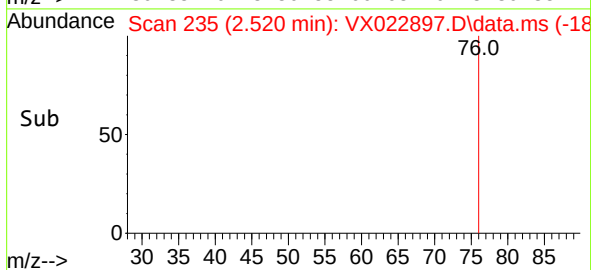
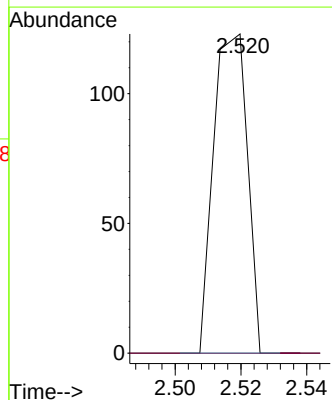
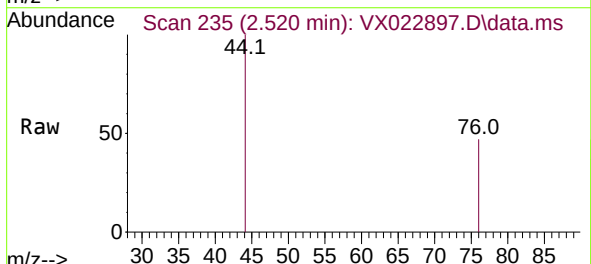
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

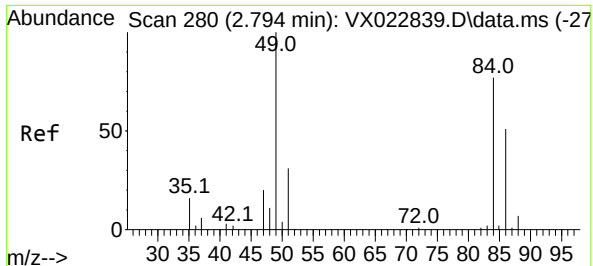
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.8



#17
Carbon Disulfide
Concen: 3.56 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 76 Resp: 88
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.49 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022897.D

Acq: 25 Jun 2021 03:33

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20210622

Tgt Ion: 84 Resp: 100

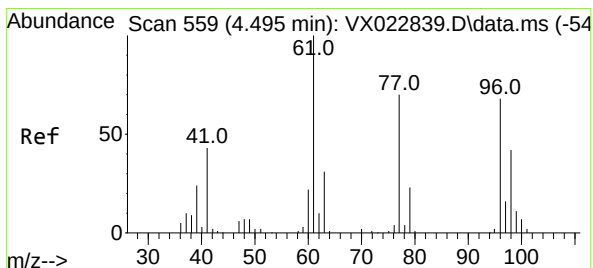
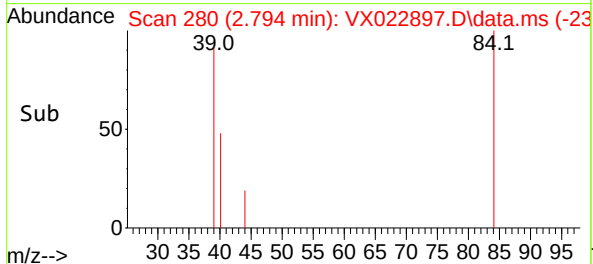
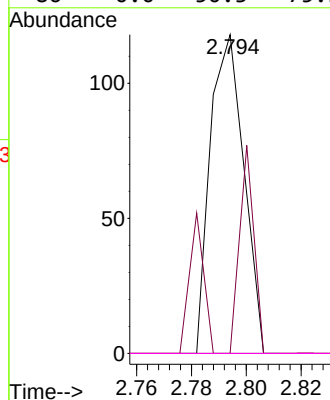
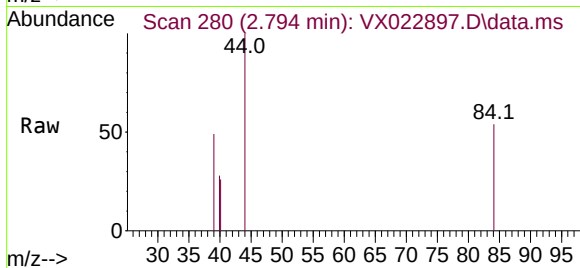
Ion Ratio Lower Upper

84 100

49 0.0 88.6 132.8#

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#



#27

cis-1,2-Dichloroethene

Concen: 0.54 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.012 min

Lab File: VX022897.D

Acq: 25 Jun 2021 03:33

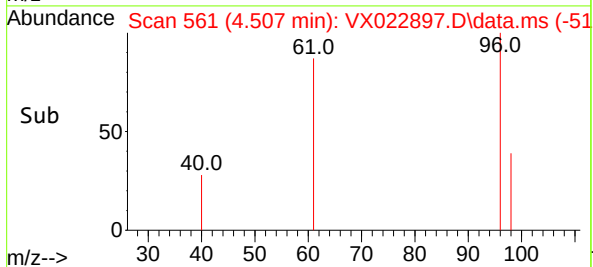
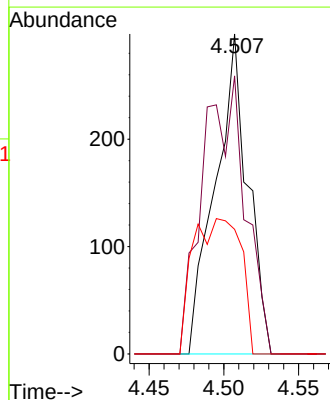
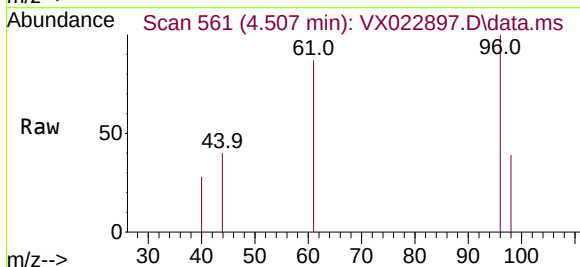
Tgt Ion: 96 Resp: 449

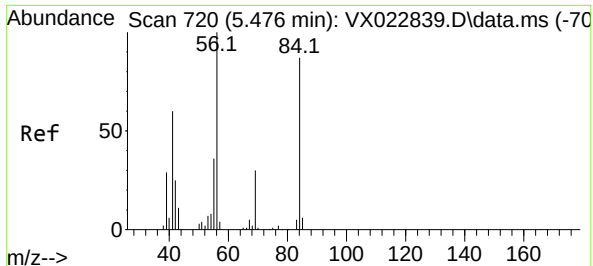
Ion Ratio Lower Upper

96 100

61 114.3 0.0 285.6

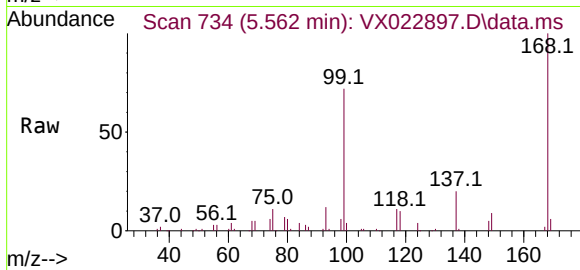
98 63.0 0.0 129.6



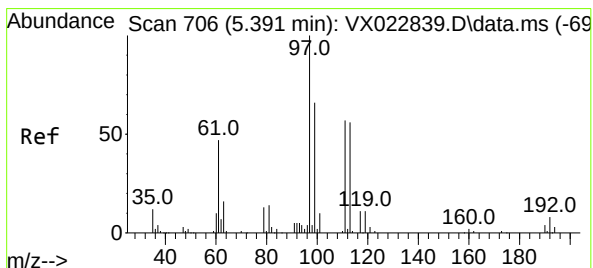
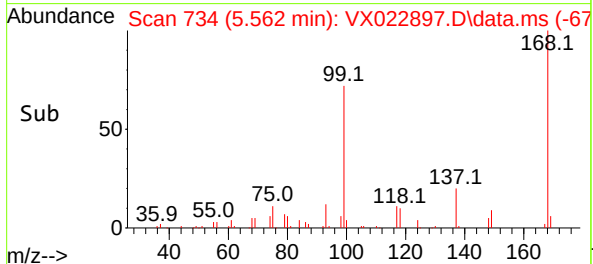
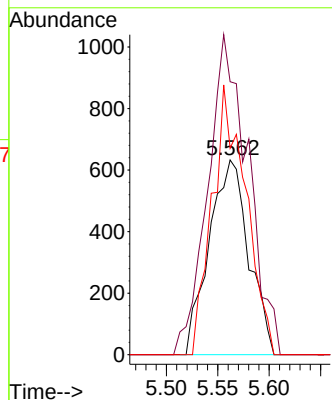


#31
Cyclohexane
Concen: 1.27 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

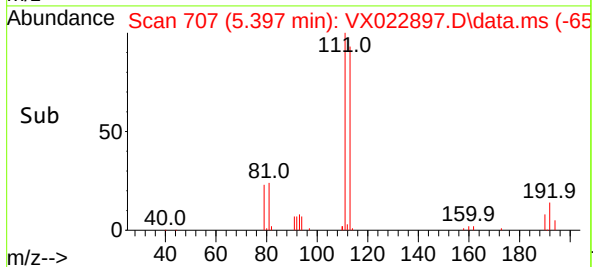
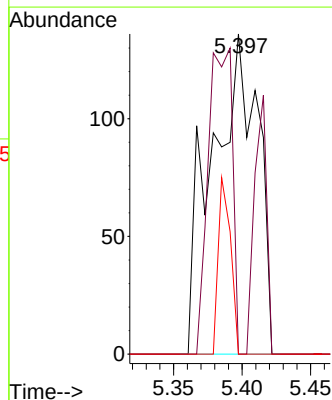
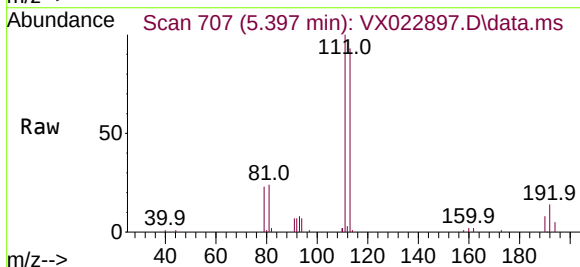


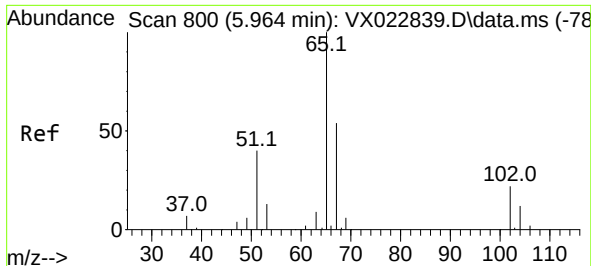
Tgt Ion: 56 Resp: 1695
Ion Ratio Lower Upper
56 100
69 140.1 25.3 37.9#
84 106.0 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.27 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 97 Resp: 315
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 0.0 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 51.38 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022897.D

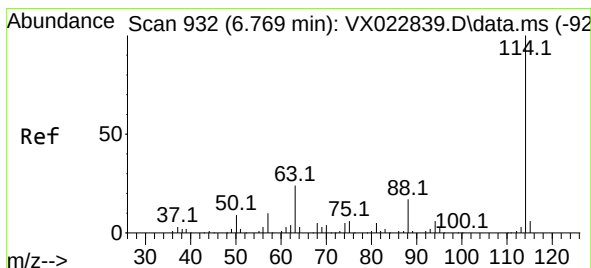
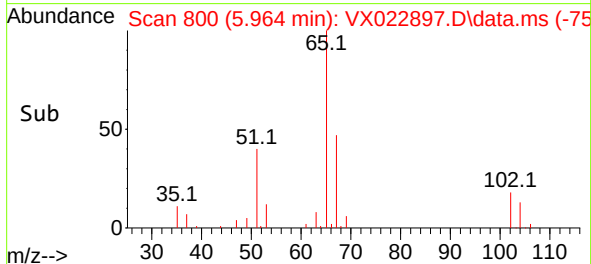
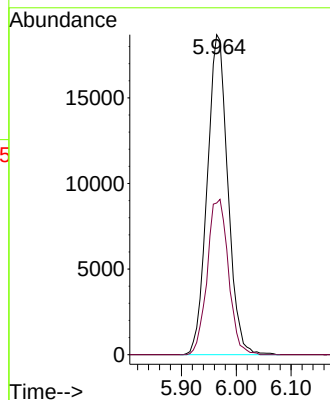
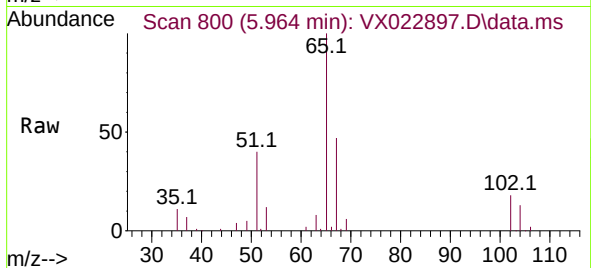
Acq: 25 Jun 2021 03:33

Tgt Ion: 65 Resp: 48670

Ion Ratio Lower Upper

65 100

67 49.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX022897.D

Acq: 25 Jun 2021 03:33

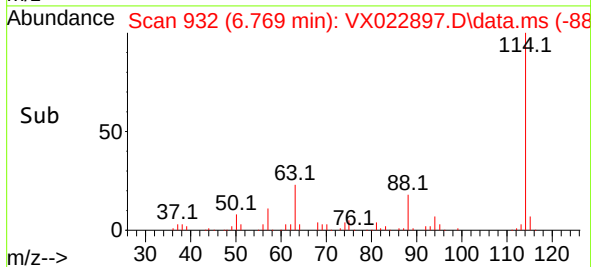
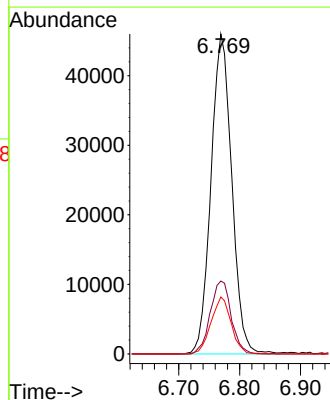
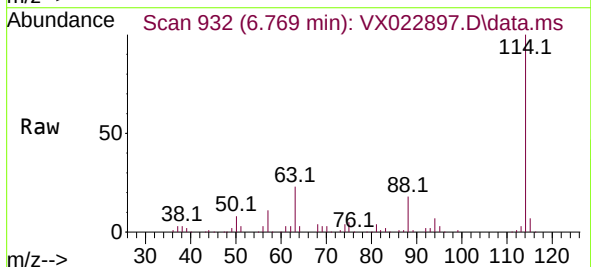
Tgt Ion: 114 Resp: 108957

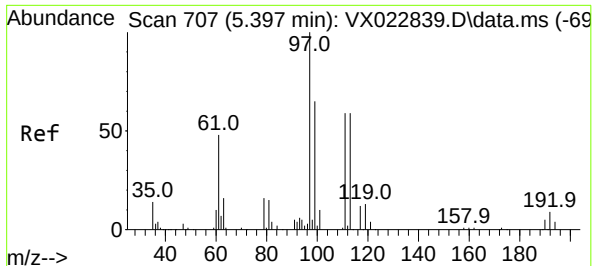
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.8

88 17.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.99 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX022897.D

Acq: 25 Jun 2021 03:33

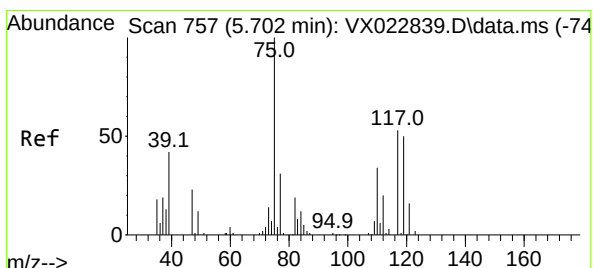
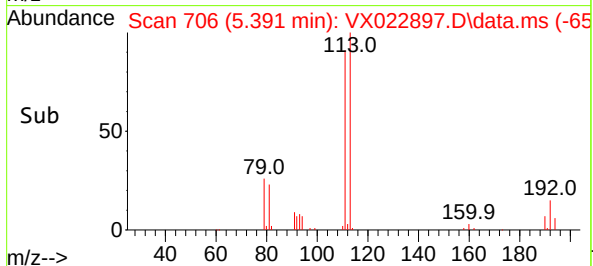
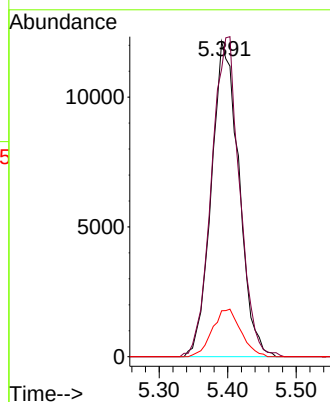
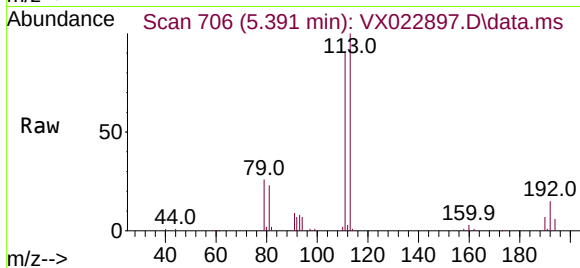
Tgt Ion:113 Resp: 33898

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 15.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.76 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022897.D

Acq: 25 Jun 2021 03:33

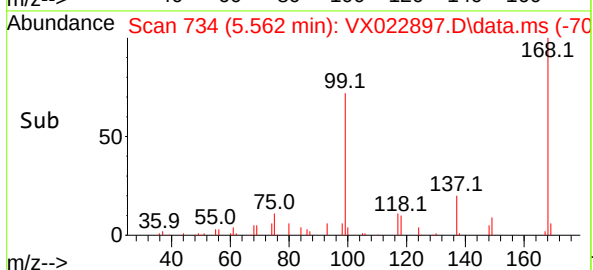
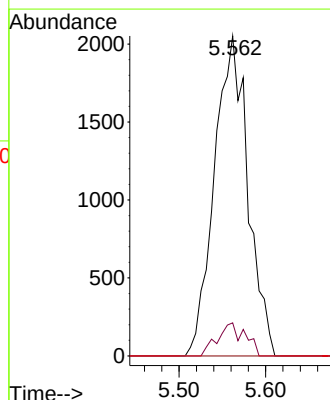
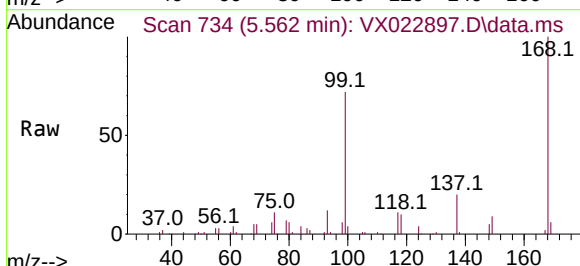
Tgt Ion: 75 Resp: 5511

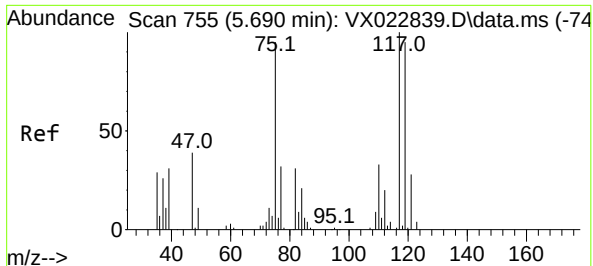
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

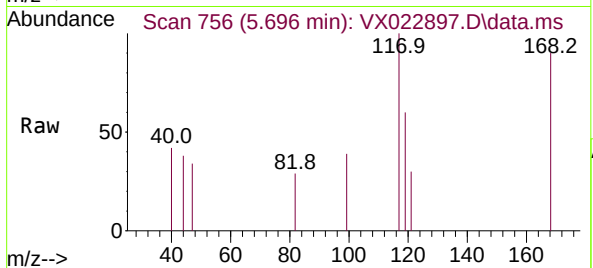
77 0.0 25.3 37.9#



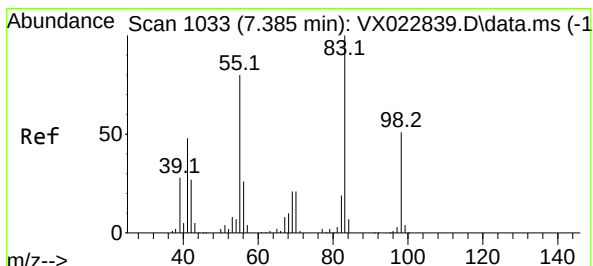
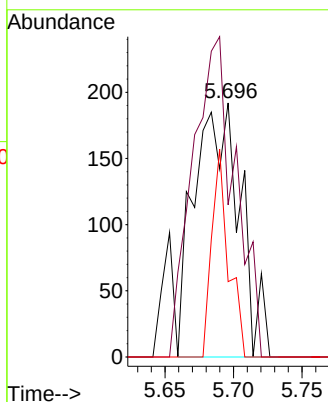
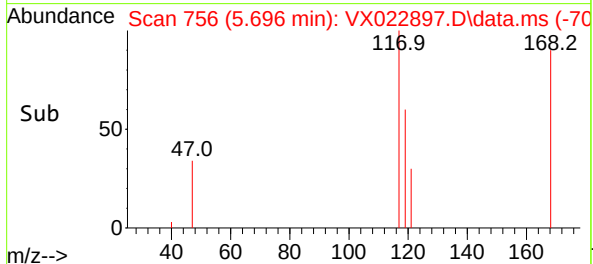


#38
Carbon Tetrachloride
Concen: 0.46 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

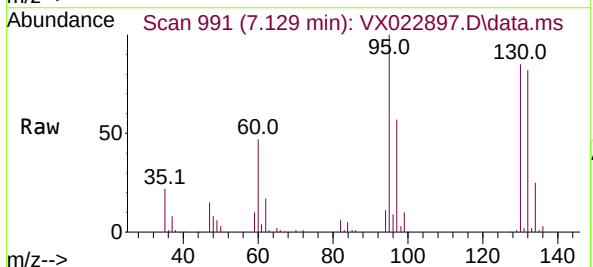
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622



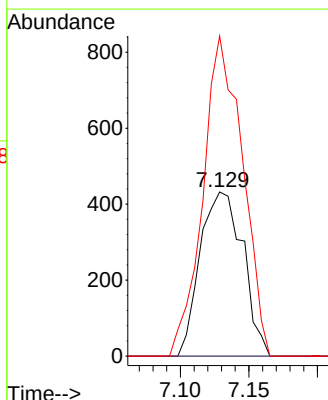
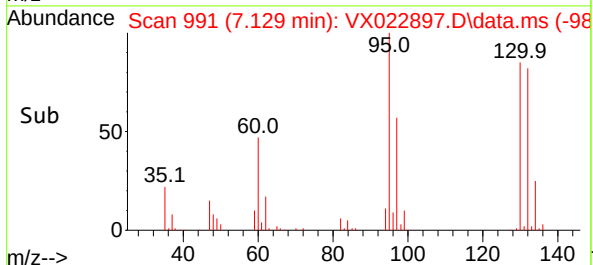
Tgt Ion:117 Resp: 449
Ion Ratio Lower Upper
117 100
119 59.9 76.2 114.2#
121 29.7 24.8 37.2

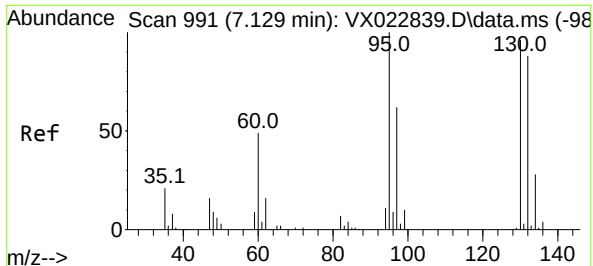


#39
Methylcyclohexane
Concen: 0.70 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33



Tgt Ion: 83 Resp: 939
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 195.1 38.1 57.1#

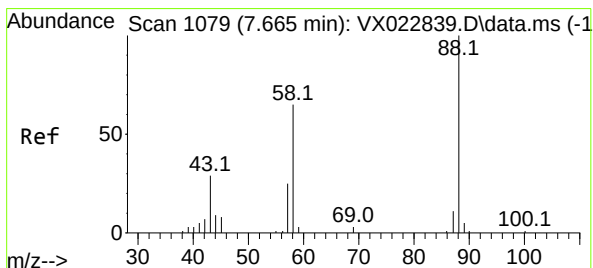
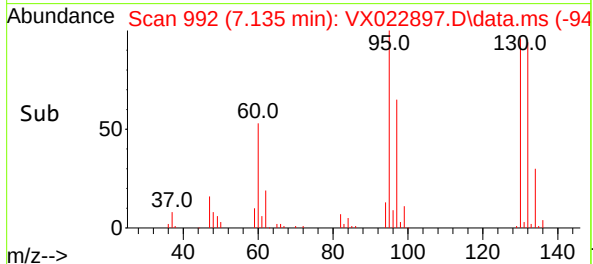
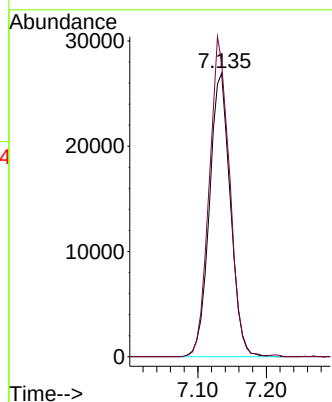
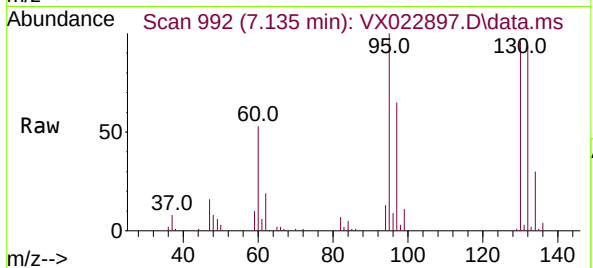




#44
Trichloroethene
Concen: 72.05 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

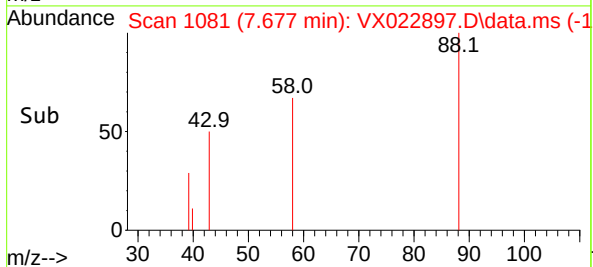
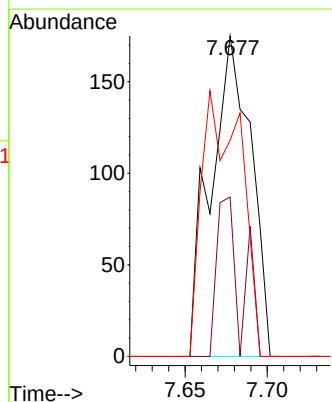
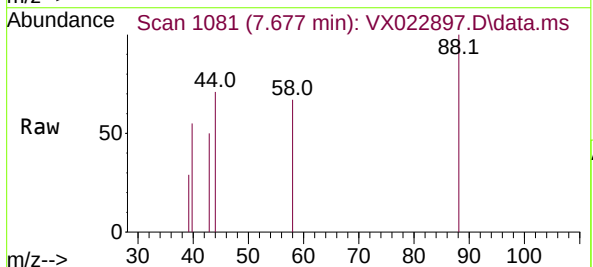
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

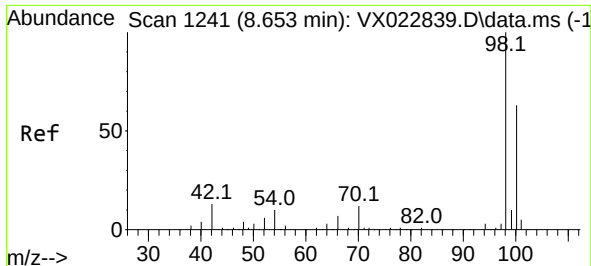
Tgt Ion:130 Resp: 57020
Ion Ratio Lower Upper
130 100
95 103.7 0.0 198.0



#49
1,4-Dioxane
Concen: 13.83 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 88 Resp: 297
Ion Ratio Lower Upper
88 100
43 30.0 23.2 34.8
58 81.1 55.0 82.4

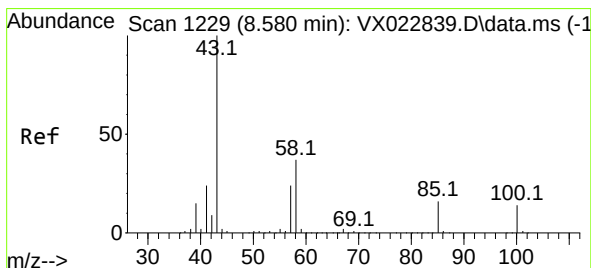
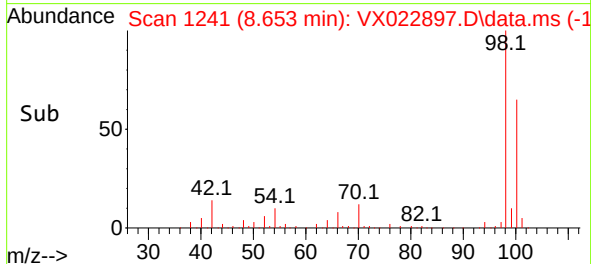
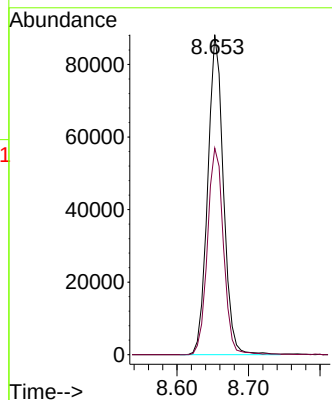
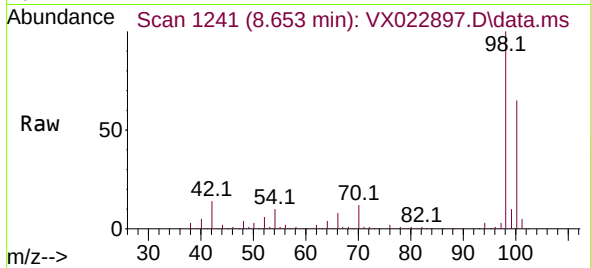




#50
Toluene-d8
Concen: 49.55 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

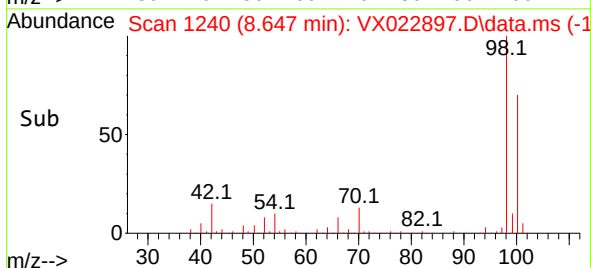
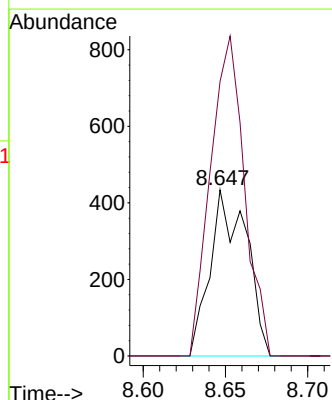
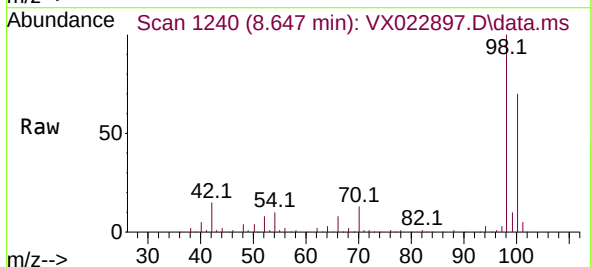
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

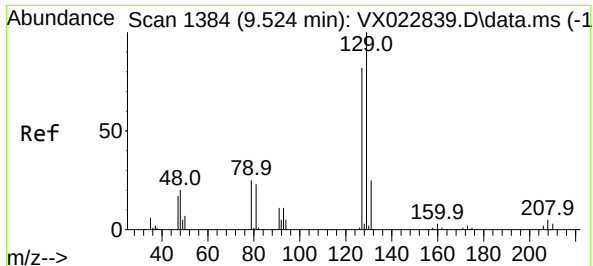
Tgt Ion: 98 Resp: 134363
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 180.5 35.4 53.0#

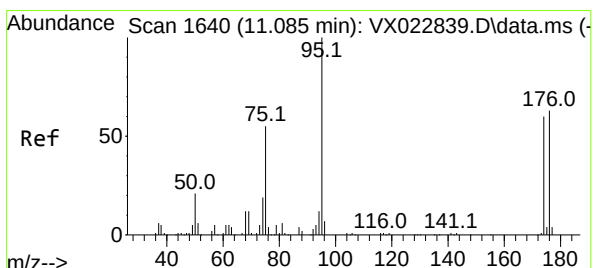
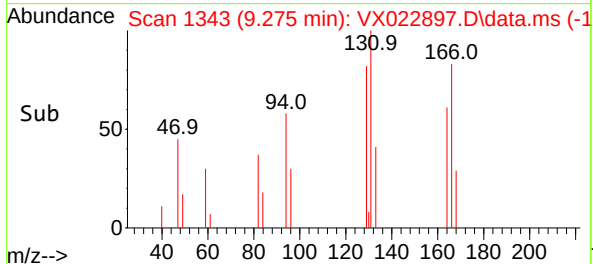
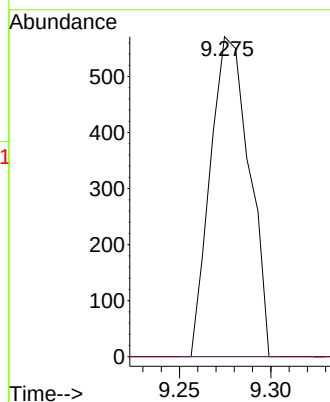
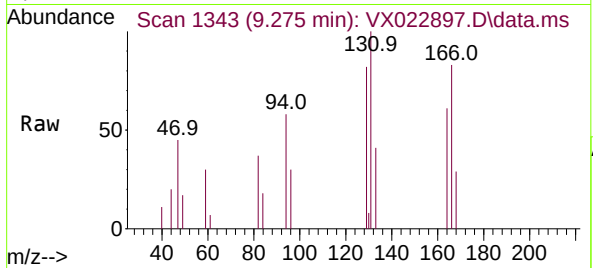




#60
Dibromochloromethane
Concen: 4.64 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

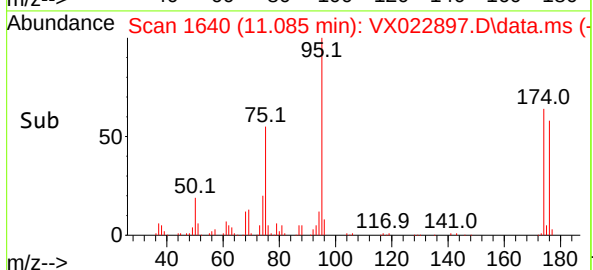
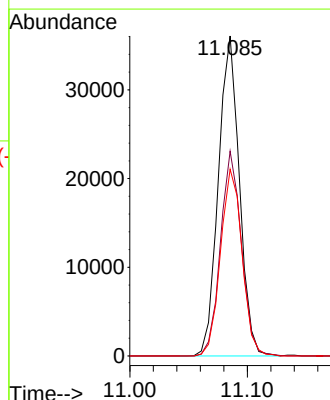
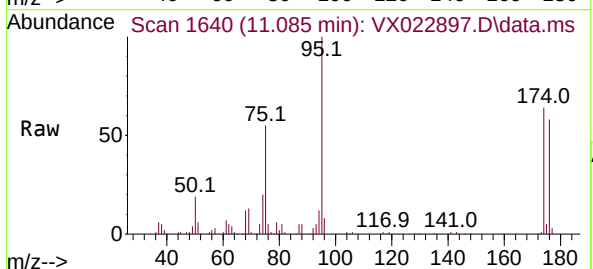
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

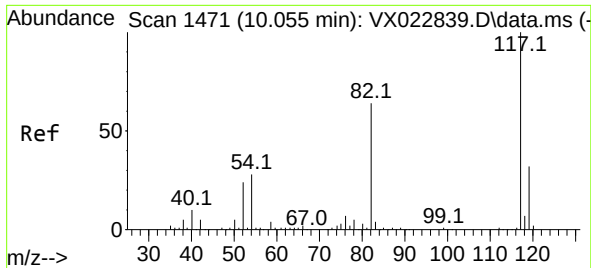
Tgt Ion:129 Resp: 847
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.35 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion: 95 Resp: 44888
Ion Ratio Lower Upper
95 100
174 63.7 0.0 154.6
176 59.8 0.0 155.8

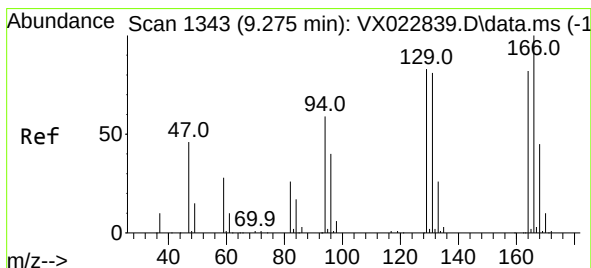
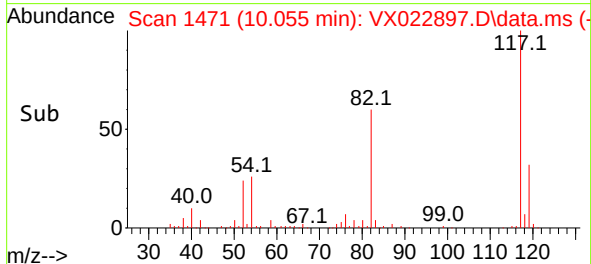
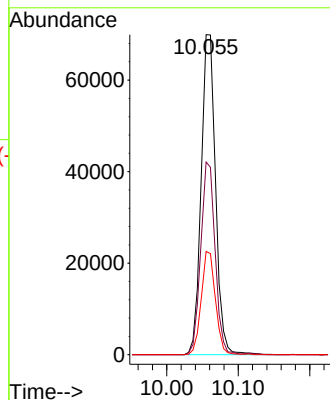
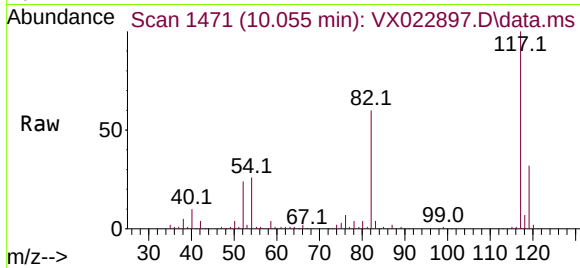




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

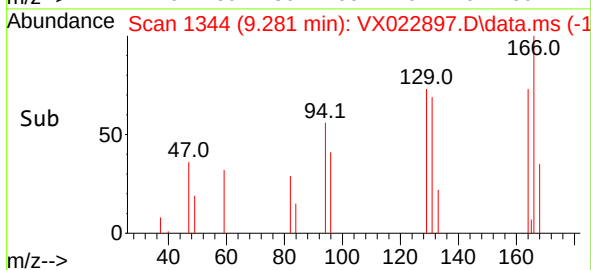
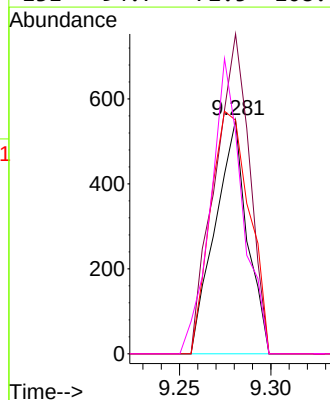
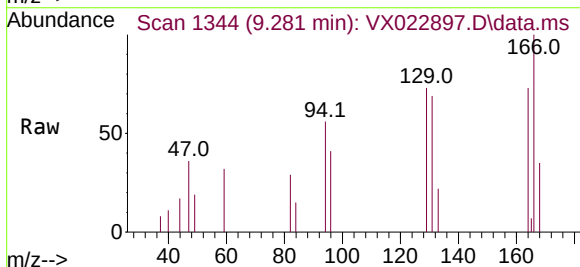
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20210622

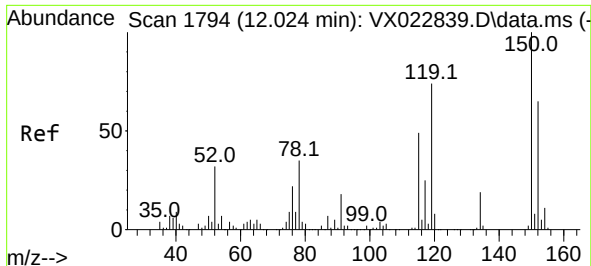
Tgt Ion:	117	Resp:	97807
Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.4	71.2
119	32.2	26.6	39.8



#64
Tetrachloroethene
Concen: 0.98 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022897.D
Acq: 25 Jun 2021 03:33

Tgt Ion:	164	Resp:	671
Ion	Ratio	Lower	Upper
164	100		
166	136.9	103.4	155.2
129	100.0	70.8	106.2
131	94.7	72.5	108.7

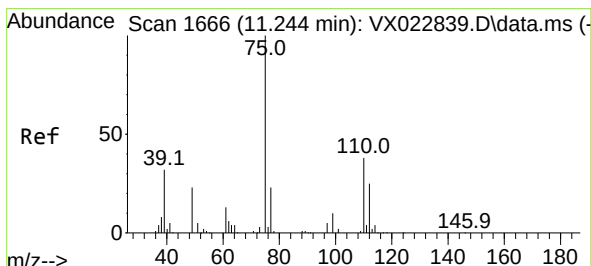
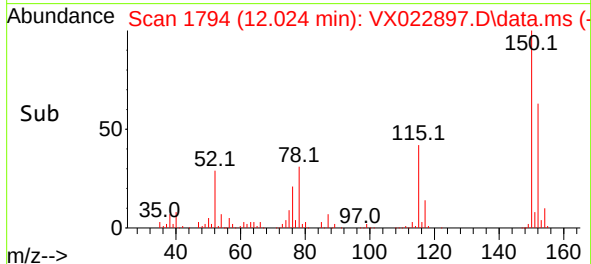
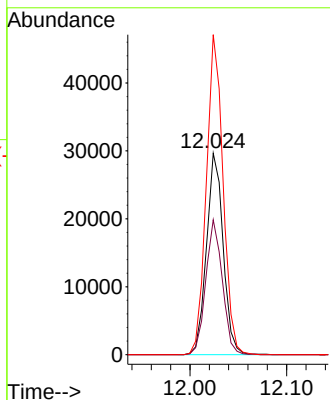
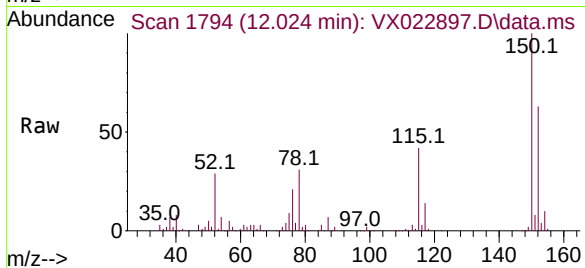




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022897.D
 Acq: 25 Jun 2021 03:33

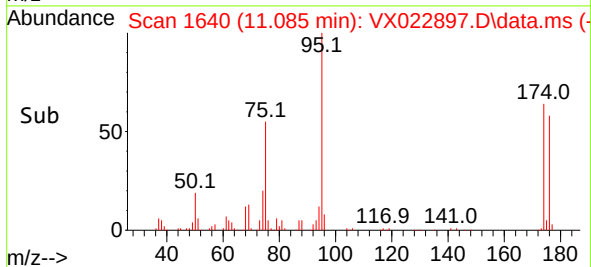
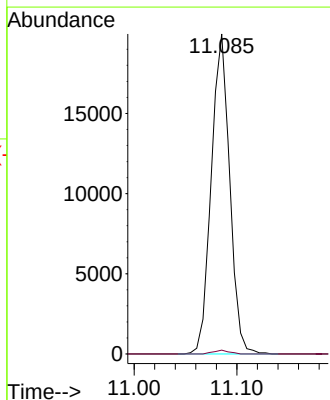
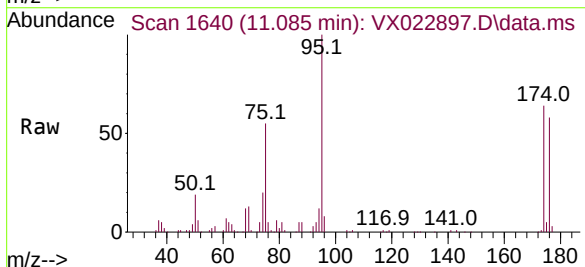
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210622

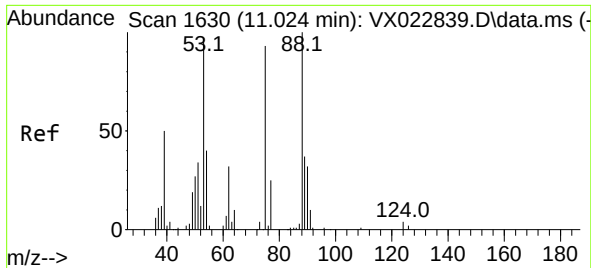
Tgt Ion:152 Resp: 35668
 Ion Ratio Lower Upper
 152 100
 115 66.3 41.1 123.3
 150 158.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.38 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022897.D
 Acq: 25 Jun 2021 03:33

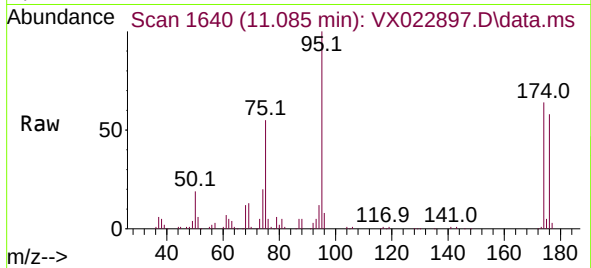
Tgt Ion: 75 Resp: 24850
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.48 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022897.D
 Acq: 25 Jun 2021 03:33

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20210622



Tgt Ion: 75 Resp: 24850
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

