

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023170.D
 Acq On : 07 Jul 2021 14:17
 Operator : JC/MD
 Sample : M2939-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 08 03:19:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

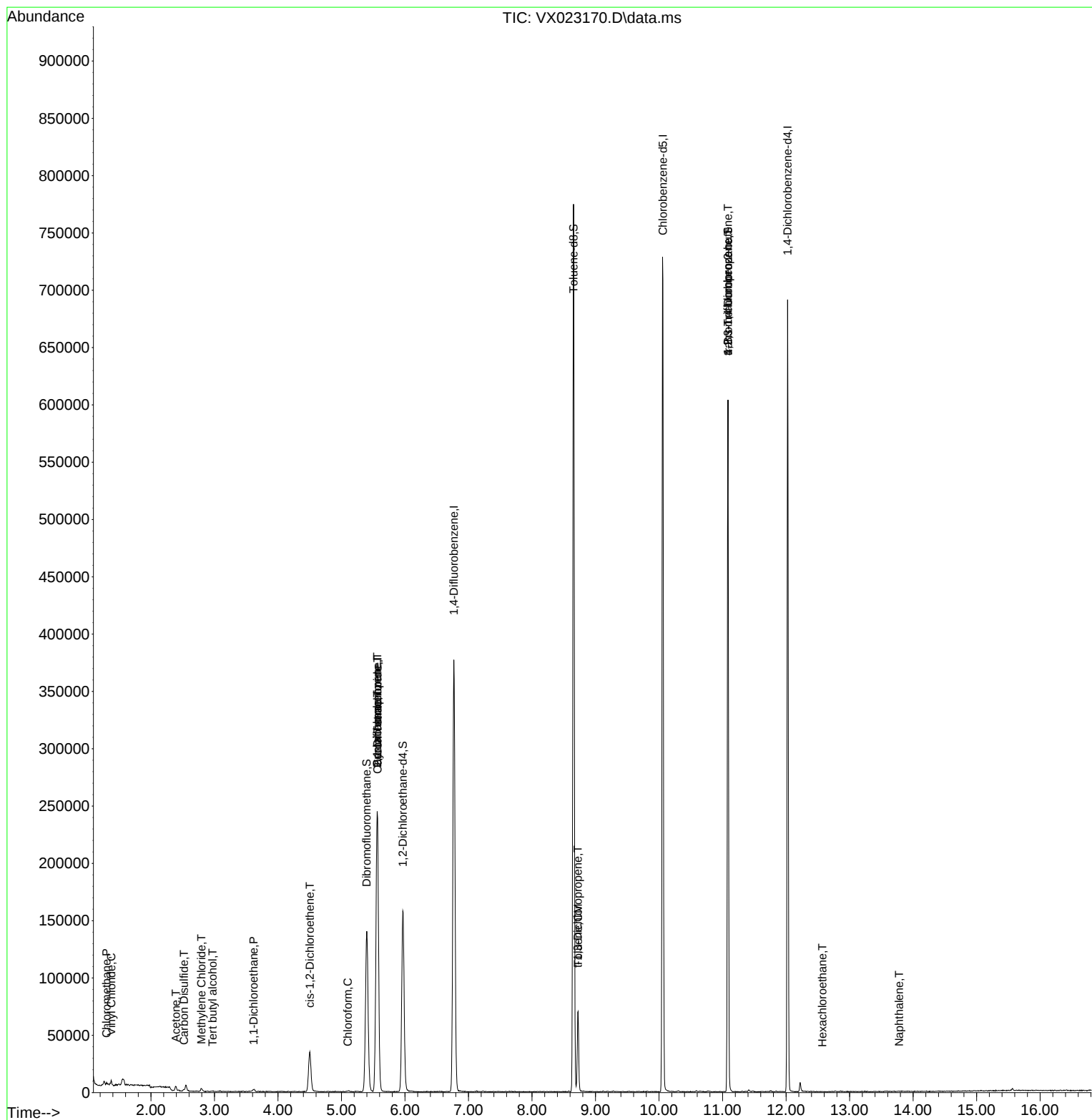
Internal Standards						
1) Pentafluorobenzene	5.562	168	230923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	376587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	334051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161210	51.943	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	103.880%	
35) Dibromofluoromethane	5.397	113	120204	49.429	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.860%	
50) Toluene-d8	8.653	98	441526	48.673	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.340%	
62) 4-Bromofluorobenzene	11.085	95	160344	45.786	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	485	0.234	ug/l #	50
4) Vinyl Chloride	1.374	62	1853	0.845	ug/l	94
5) Bromomethane	1.630	94	435	Below Cal	#	79
11) Tert butyl alcohol	2.971	59	181	0.277	ug/l #	73
16) Acetone	2.392	43	4883	3.977	ug/l	95
17) Carbon Disulfide	2.520	76	1812	0.417	ug/l	95
20) Methylene Chloride	2.794	84	1169	0.442	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	2308	0.542	ug/l	94
27) cis-1,2-Dichloroethene	4.501	96	21699	8.058	ug/l	93
30) Chloroform	5.099	83	961	0.209	ug/l #	69
31) Cyclohexane	5.562	56	4834	1.301	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18278	5.444	ug/l #	49
38) Carbon Tetrachloride	5.568	117	24151	6.892	ug/l #	16
52) Toluene	8.726	92	25191	3.993	ug/l	96
53) t-1,3-Dichloropropene	8.720	75	310	2.806	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	82246	29.516	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	82246	79.328	ug/l #	12
90) Hexachloroethane	12.573	117	22	3.010	ug/l #	9
95) Naphthalene	13.780	128	364	1.310	ug/l #	69

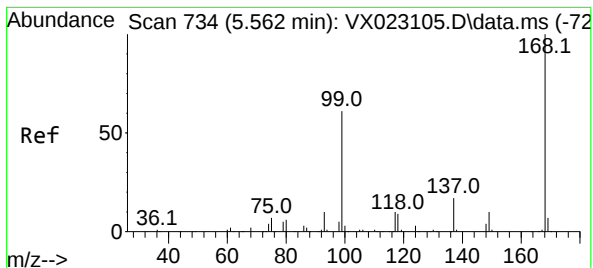
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.000 min

Lab File: VX023170.D

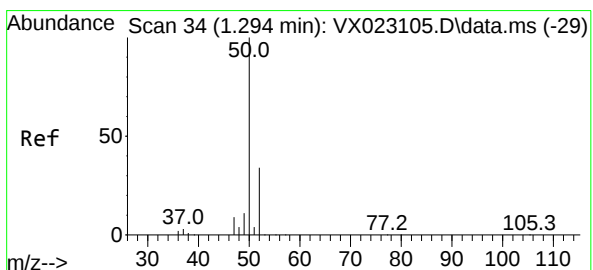
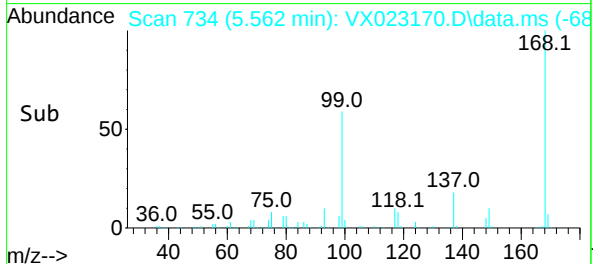
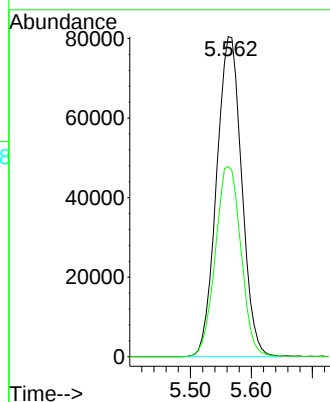
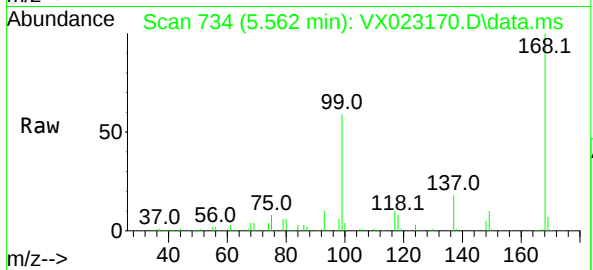
Acq: 07 Jul 2021 14:17

Tgt Ion:168 Resp: 230923

Ion Ratio Lower Upper

168 100

99 59.4 45.8 68.6



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX023170.D

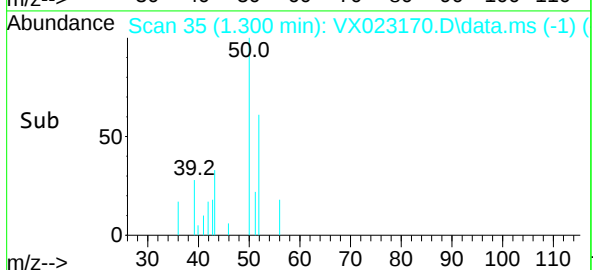
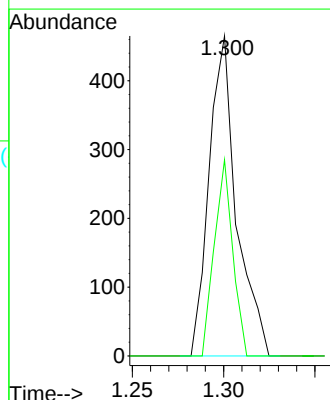
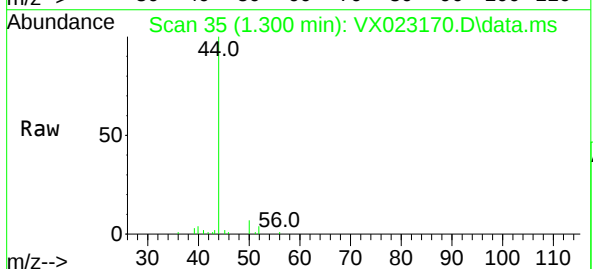
Acq: 07 Jul 2021 14:17

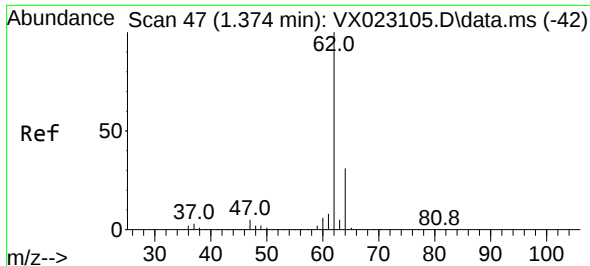
Tgt Ion: 50 Resp: 485

Ion Ratio Lower Upper

50 100

52 61.3 26.4 39.6#

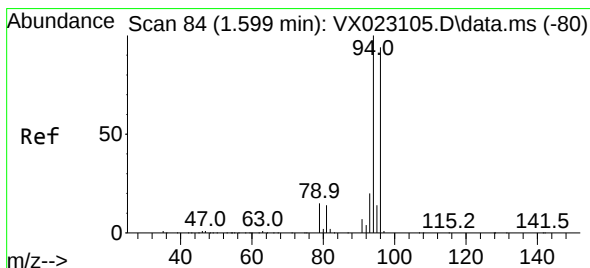
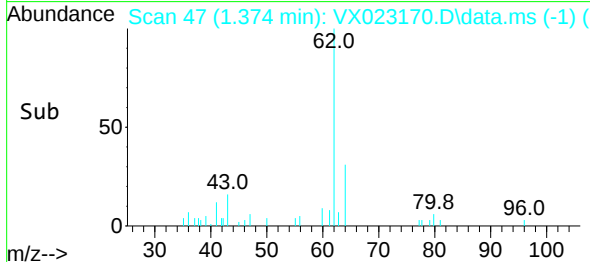
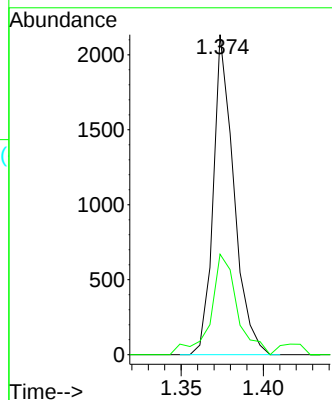
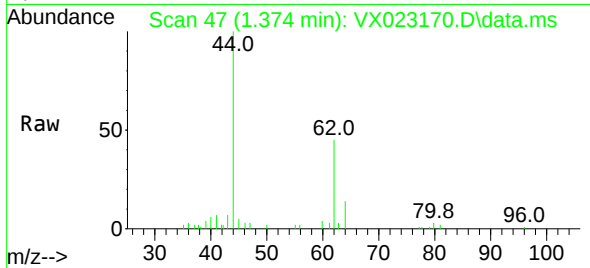




#4
 Vinyl Chloride
 Concen: 0.845 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

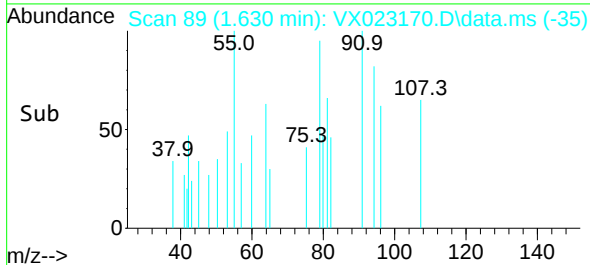
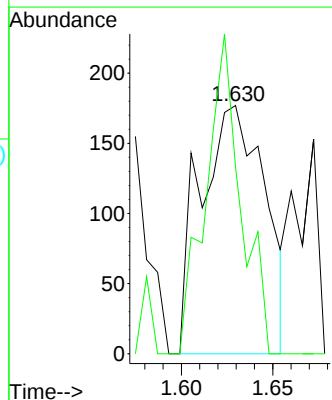
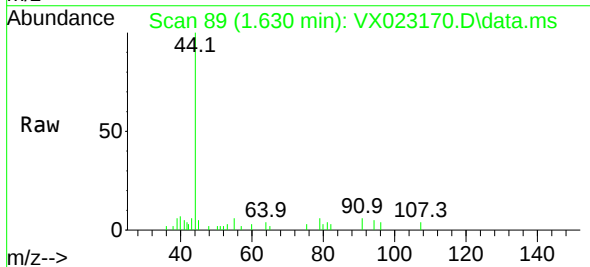
Instrument :
 MSVOA_X
 ClientSampled :

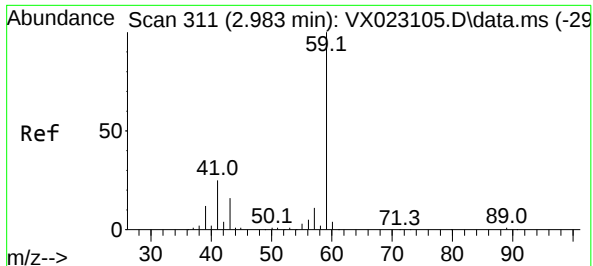
Tgt Ion: 62 Resp: 1853
 Ion Ratio Lower Upper
 62 100
 64 28.5 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.630 min Scan# 89
 Delta R.T. 0.031 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

Tgt Ion: 94 Resp: 435
 Ion Ratio Lower Upper
 94 100
 96 75.1 76.4 114.6#



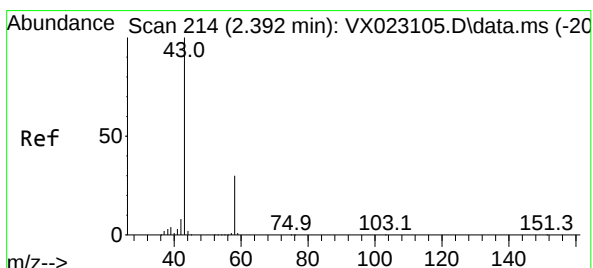
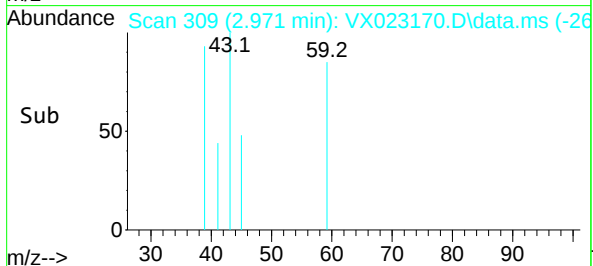
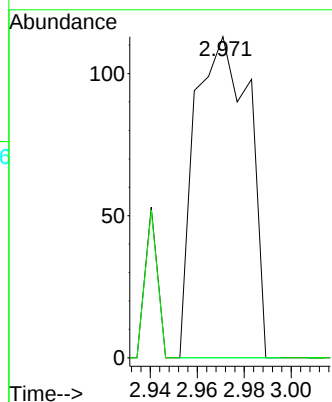
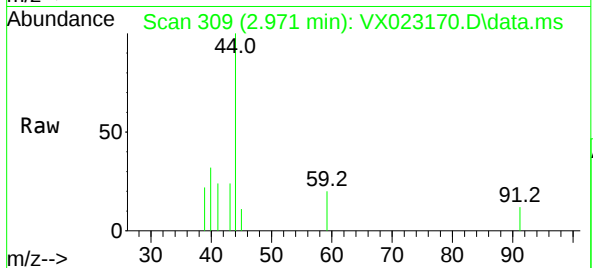


#11

Tert butyl alcohol
Concen: 0.277 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Instrument :
MSVOA_X
ClientSampled :

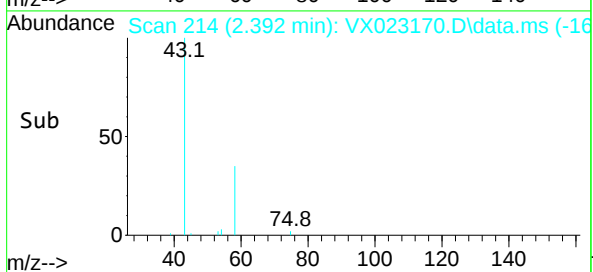
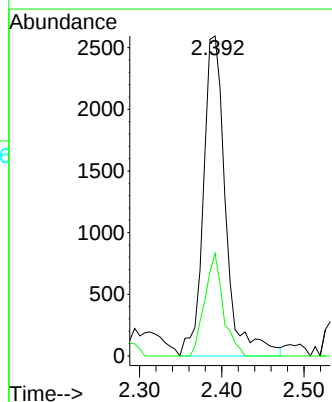
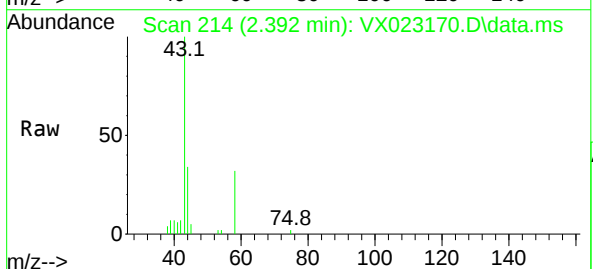
Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

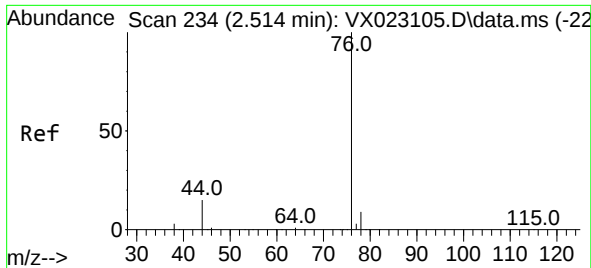


#16

Acetone
Concen: 3.977 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 43 Resp: 4883
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8

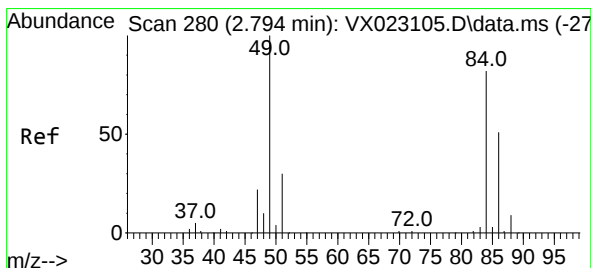
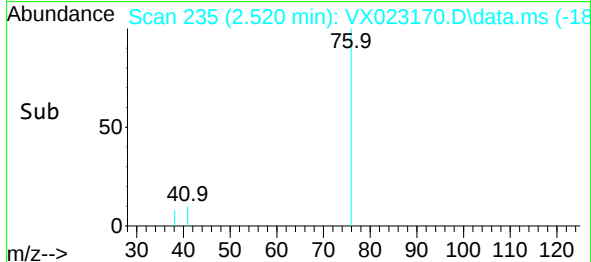
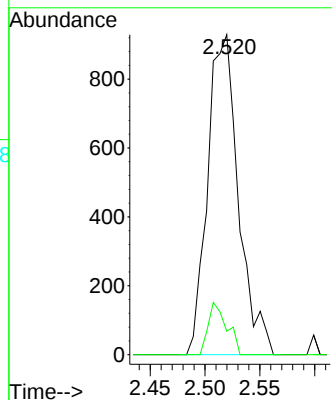
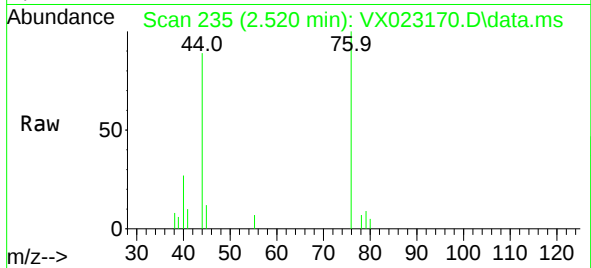




#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

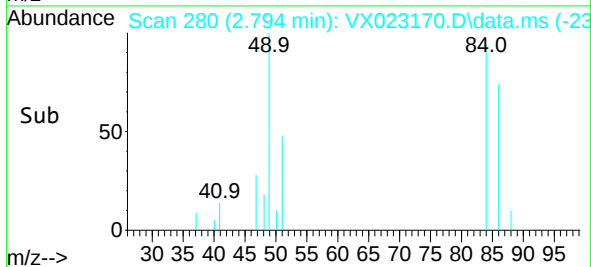
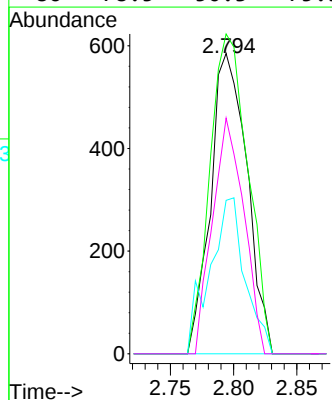
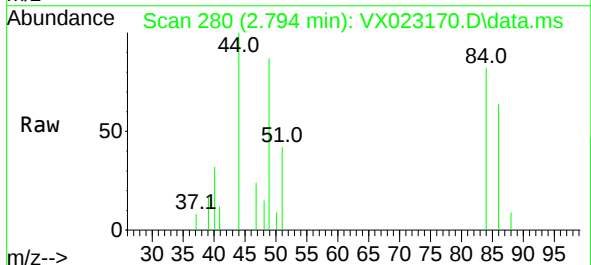
Instrument :
MSVOA_X
ClientSampled :

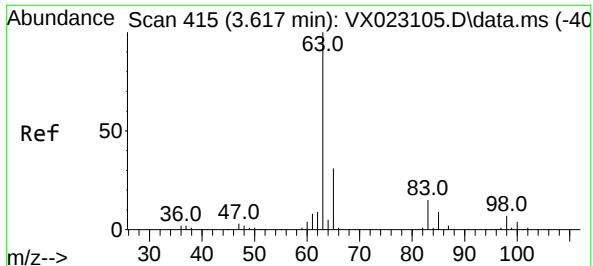
Tgt Ion: 76 Resp: 1812
Ion Ratio Lower Upper
76 100
78 7.3 7.2 10.8



#20
Methylene Chloride
Concen: 0.442 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 84 Resp: 1169
Ion Ratio Lower Upper
84 100
49 106.5 88.6 132.8
51 51.1 27.0 40.6#
86 78.5 50.3 75.5#

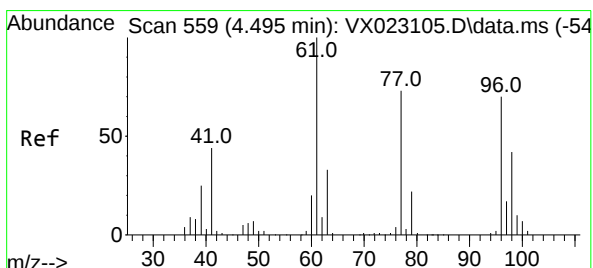
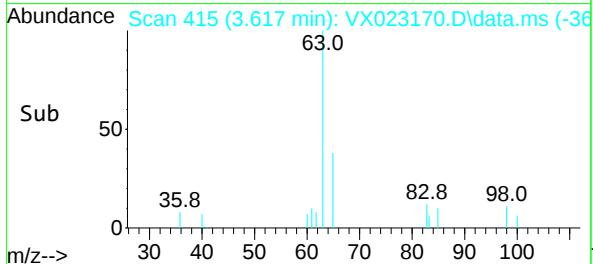
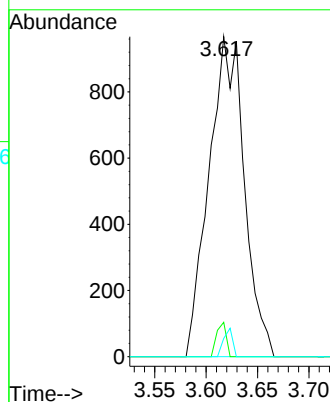
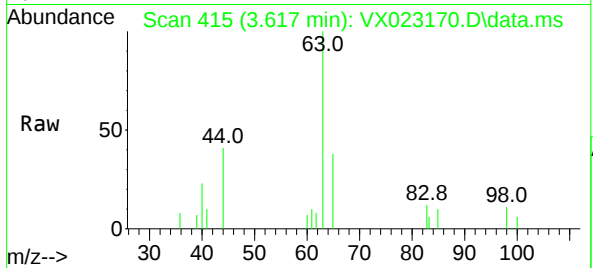




#24
1,1-Dichloroethane
Concen: 0.542 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

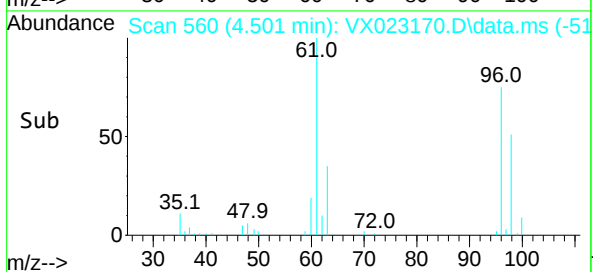
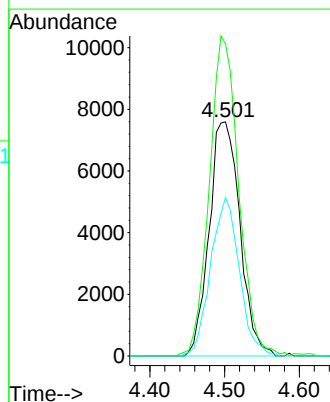
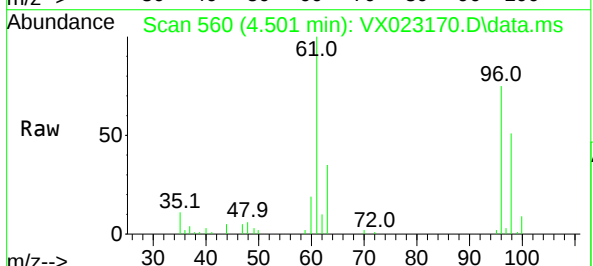
Instrument :
MSVOA_X
ClientSampleId :

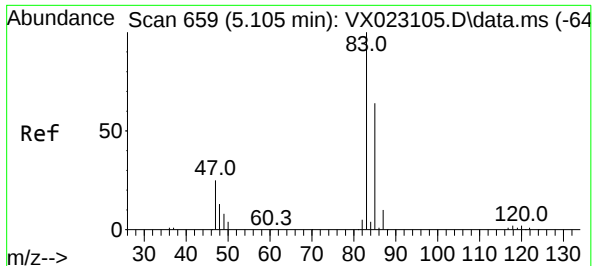
Tgt Ion: 63 Resp: 2308
Ion Ratio Lower Upper
63 100
98 10.8 3.8 11.2
100 5.7 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 8.058 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 96 Resp: 21699
Ion Ratio Lower Upper
96 100
61 130.6 0.0 285.6
98 63.2 0.0 129.6





#30

Chloroform

Concen: 0.209 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX023170.D

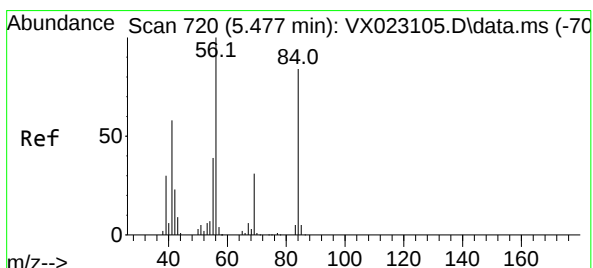
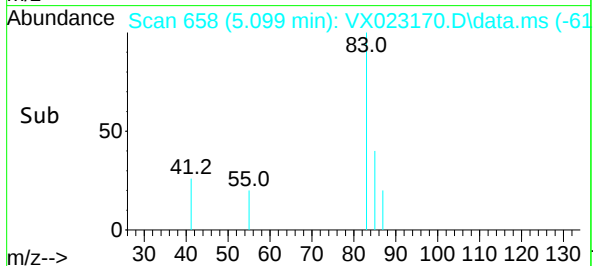
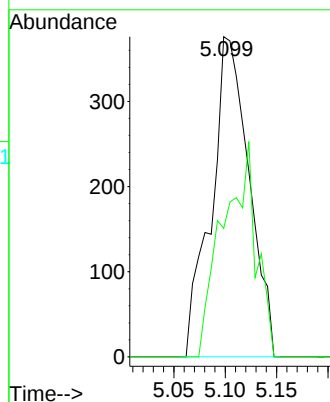
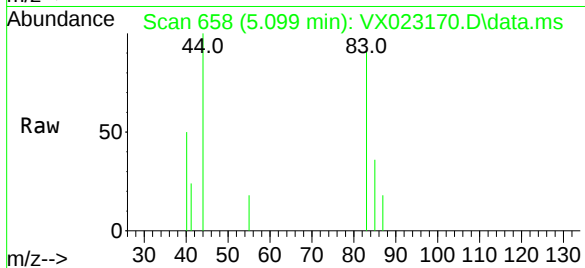
Acq: 07 Jul 2021 14:17

Tgt Ion: 83 Resp: 961

Ion Ratio Lower Upper

83 100

85 40.2 52.0 78.0#



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023170.D

Acq: 07 Jul 2021 14:17

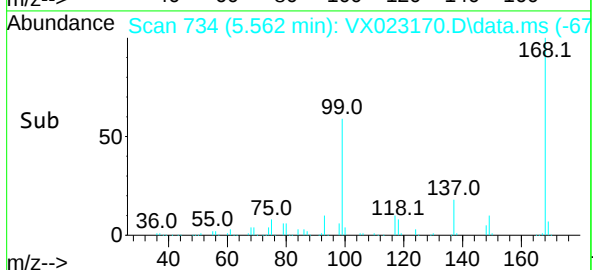
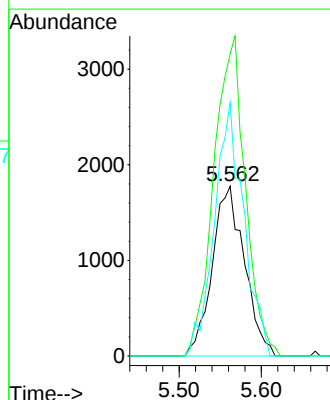
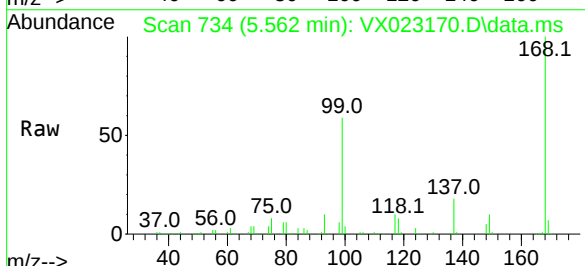
Tgt Ion: 56 Resp: 4834

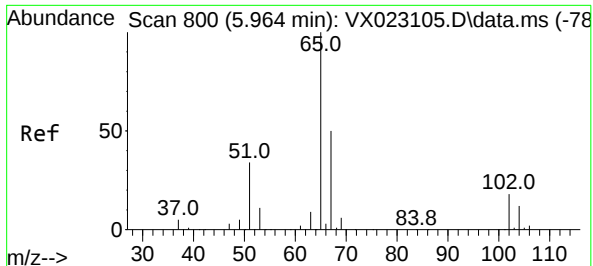
Ion Ratio Lower Upper

56 100

69 177.9 25.3 37.9#

84 149.2 71.4 107.0#

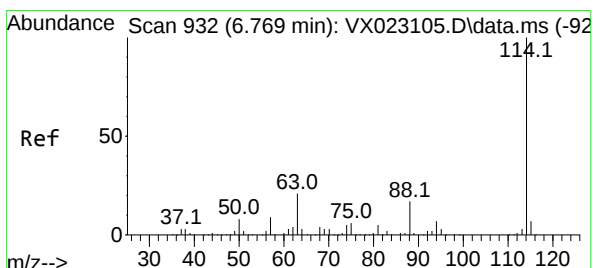
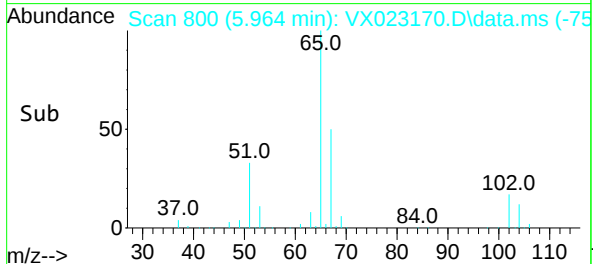
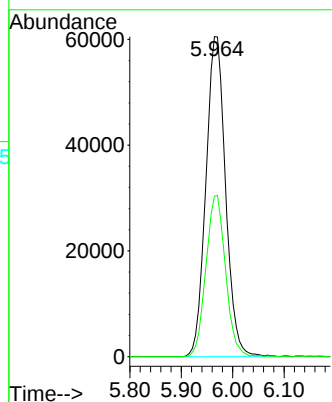
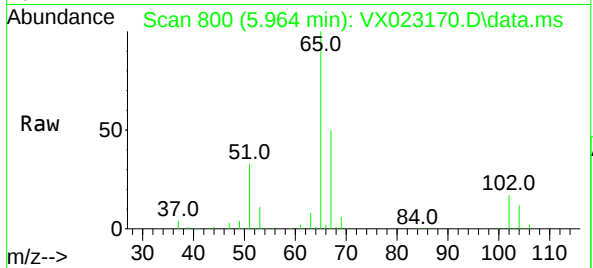




#33
 1,2-Dichloroethane-d4
 Concen: 51.943 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

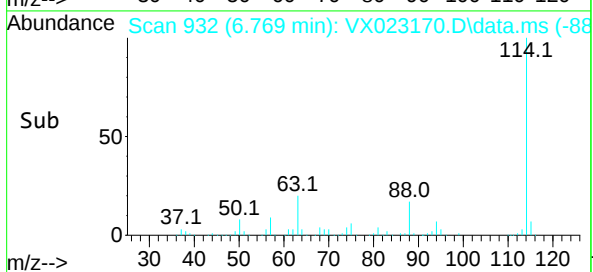
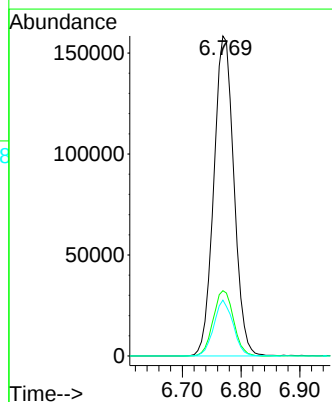
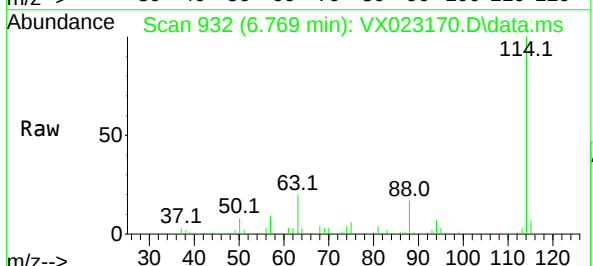
Instrument :
 MSVOA_X
 ClientSampleId :

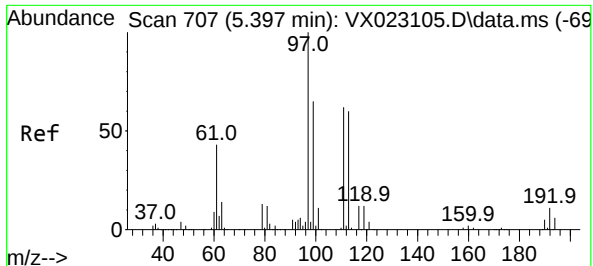
Tgt Ion: 65 Resp: 161210
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

Tgt Ion:114 Resp: 376587
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.429 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023170.D

Acq: 07 Jul 2021 14:17

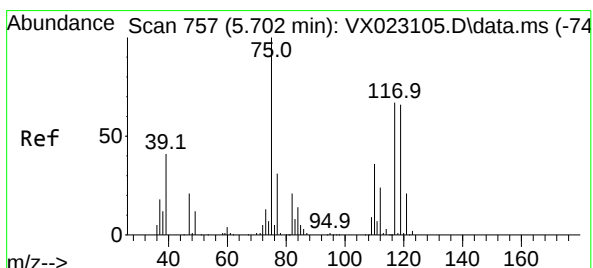
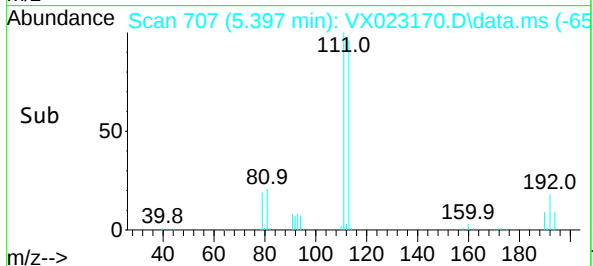
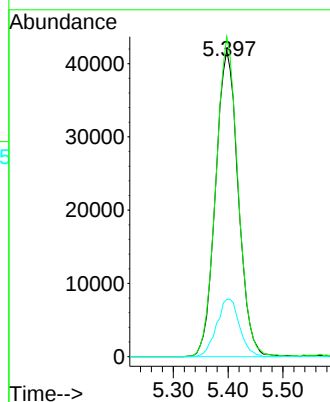
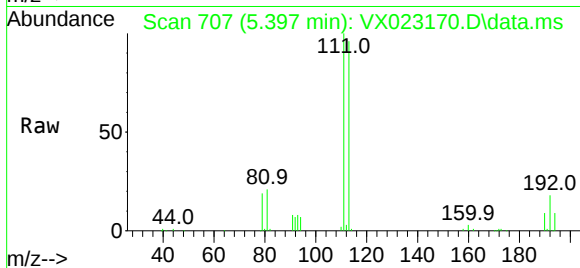
Tgt Ion:113 Resp: 120204

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 19.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.444 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023170.D

Acq: 07 Jul 2021 14:17

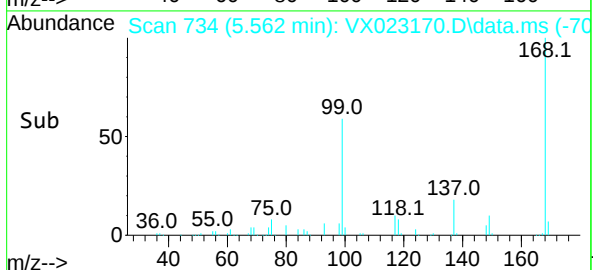
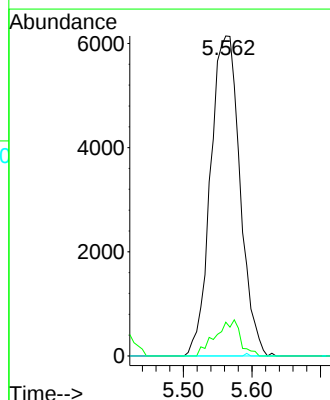
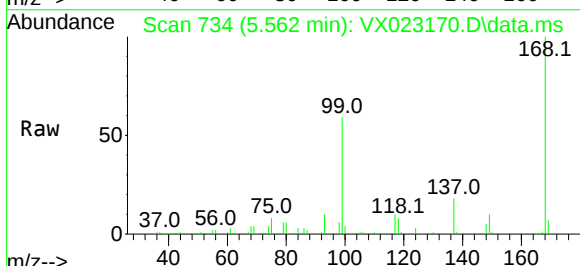
Tgt Ion: 75 Resp: 18278

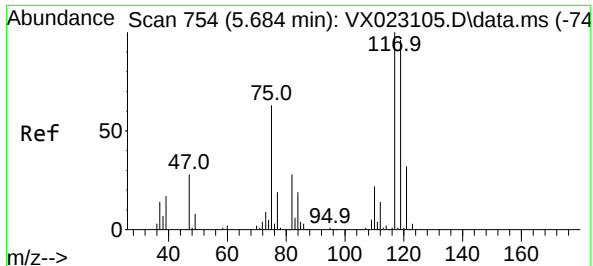
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

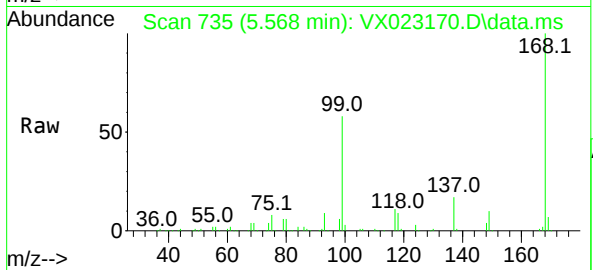
77 0.0 25.3 37.9#



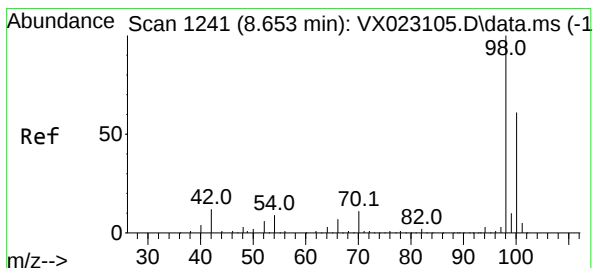
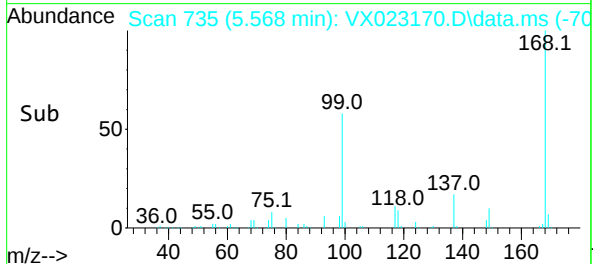
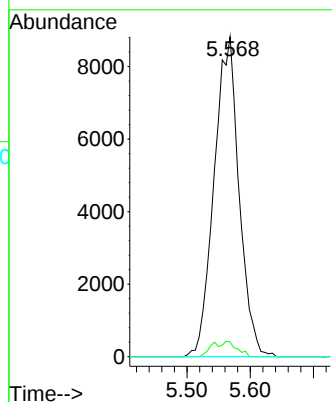


#38
Carbon Tetrachloride
Concen: 6.892 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Instrument :
MSVOA_X
ClientSampleId :

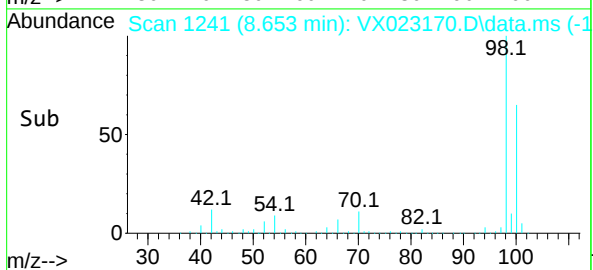
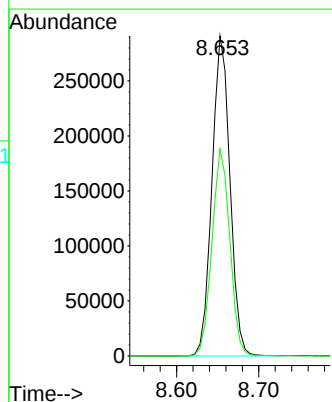
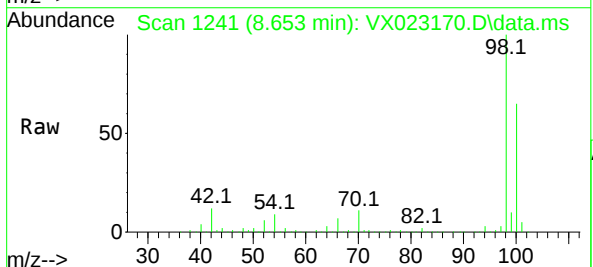


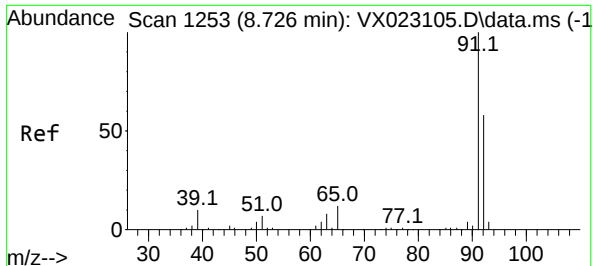
Tgt Ion:117 Resp: 24151
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.673 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 98 Resp: 441526
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

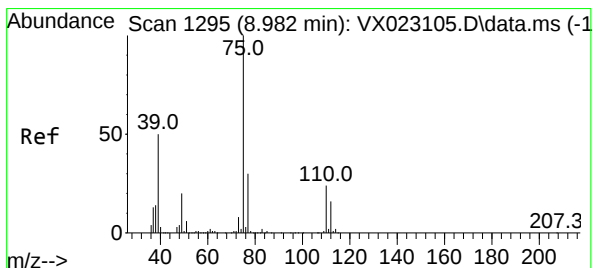
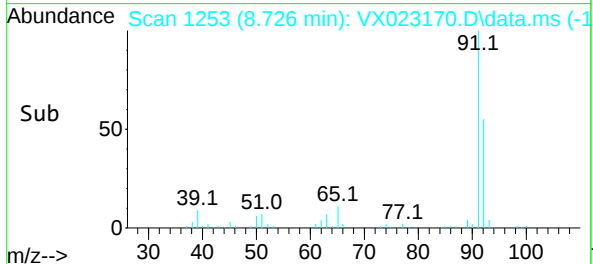
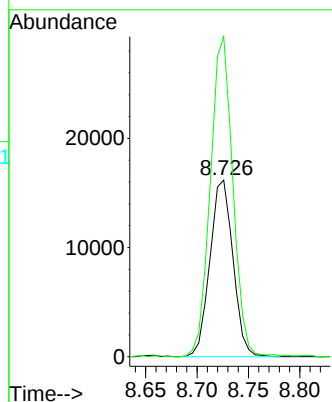
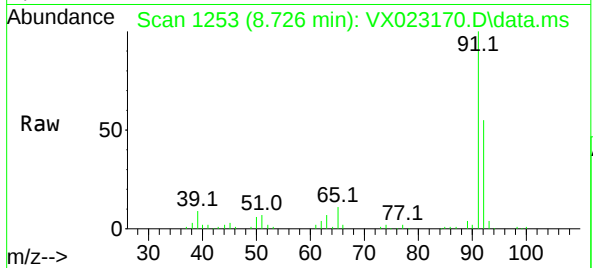




#52
Toluene
Concen: 3.993 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

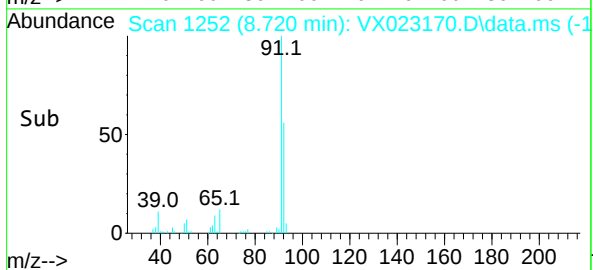
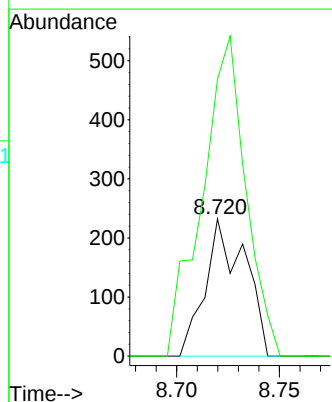
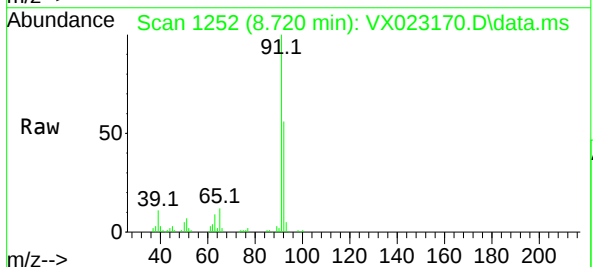
Instrument :
MSVOA_X
ClientSampled :

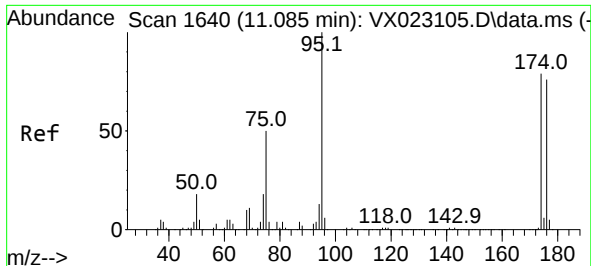
Tgt Ion: 92 Resp: 25191
Ion Ratio Lower Upper
92 100
91 177.3 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 2.806 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
77 202.2 24.9 37.3#

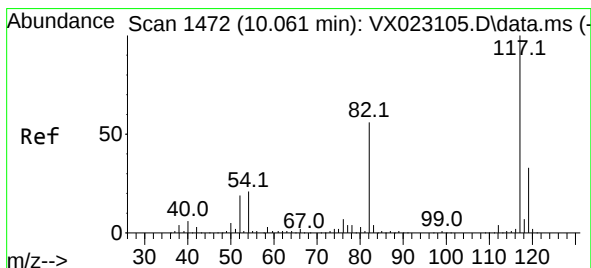
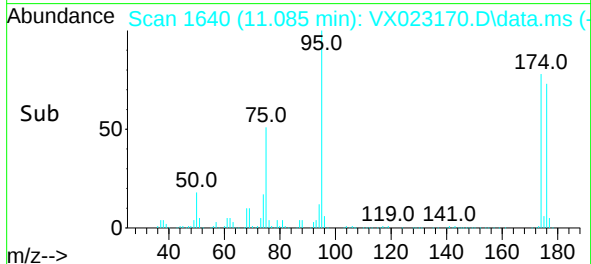
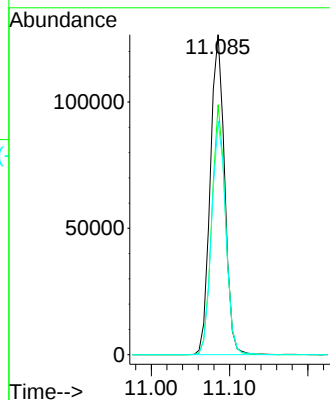
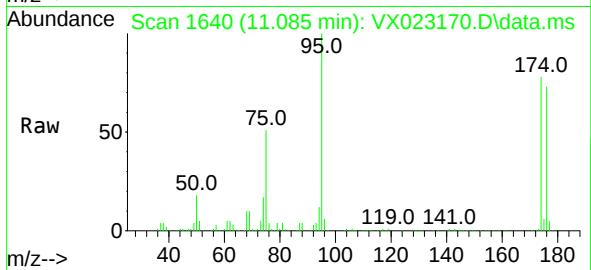




#62
4-Bromofluorobenzene
Concen: 45.786 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

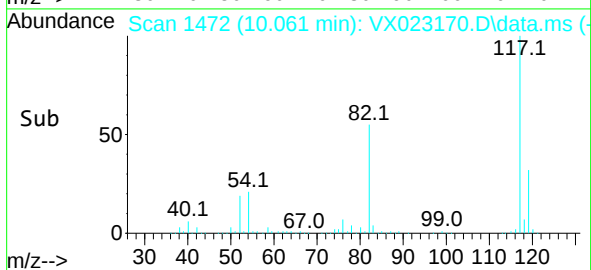
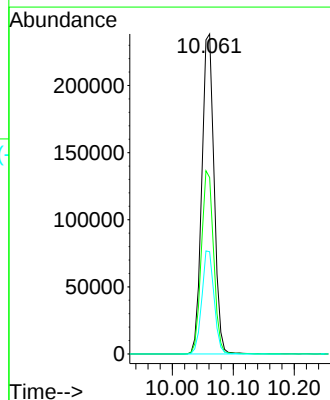
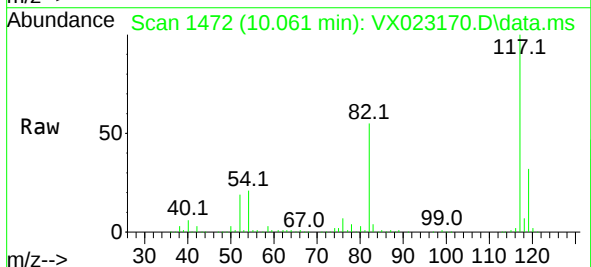
Instrument :
MSVOA_X
ClientSampleId :

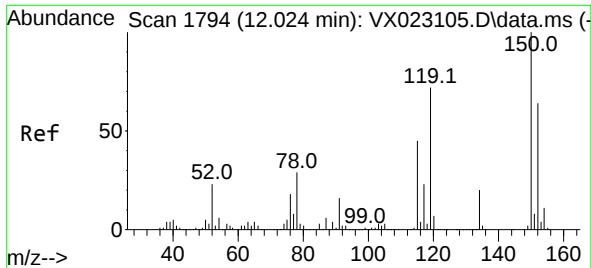
Tgt Ion: 95 Resp: 160344
Ion Ratio Lower Upper
95 100
174 74.9 0.0 154.6
176 72.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Tgt Ion: 117 Resp: 334051
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.0 26.6 39.8

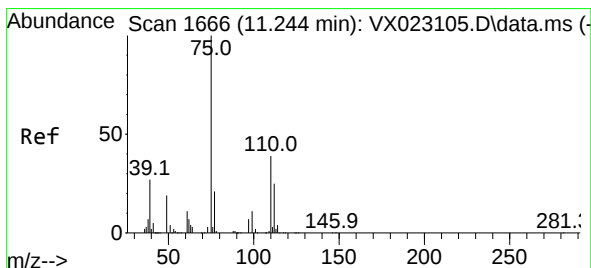
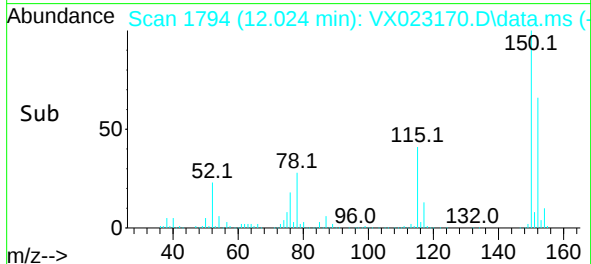
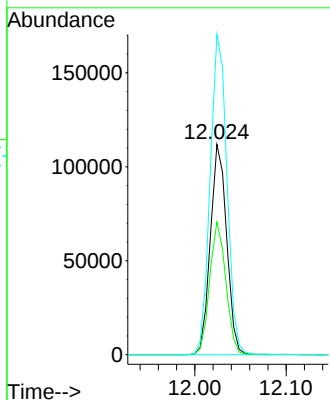
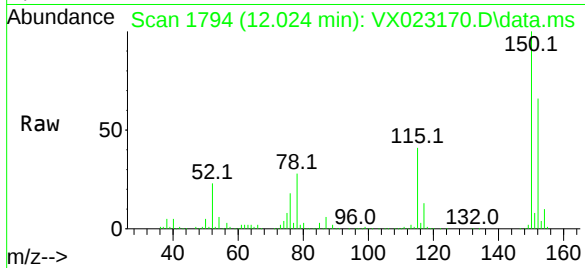




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

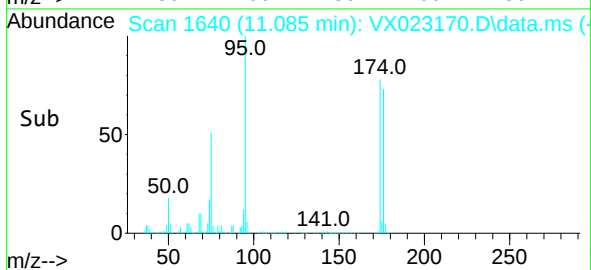
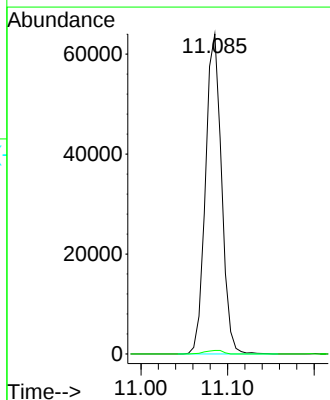
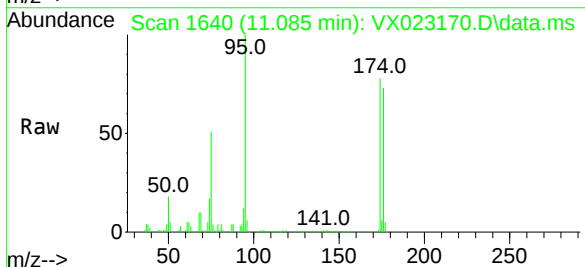
Instrument :
 MSVOA_X
 ClientSampleId :

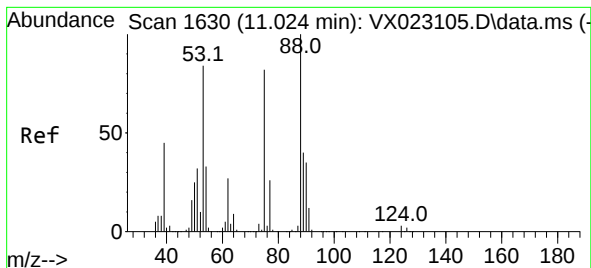
Tgt Ion:152 Resp: 138470
 Ion Ratio Lower Upper
 152 100
 115 62.5 41.1 123.3
 150 156.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.516 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023170.D
 Acq: 07 Jul 2021 14:17

Tgt Ion: 75 Resp: 82246
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

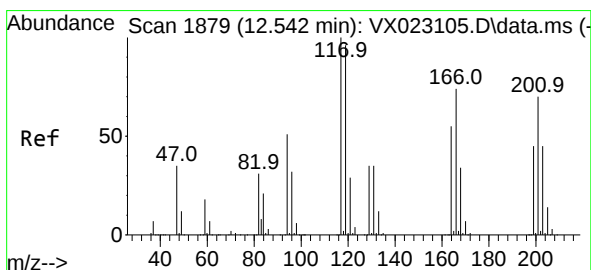
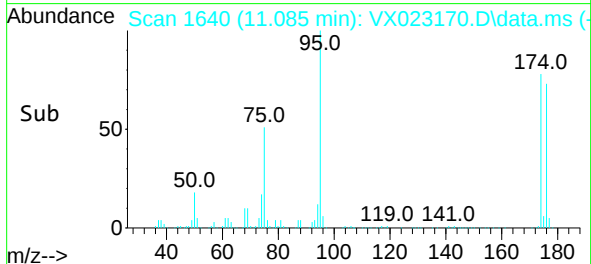
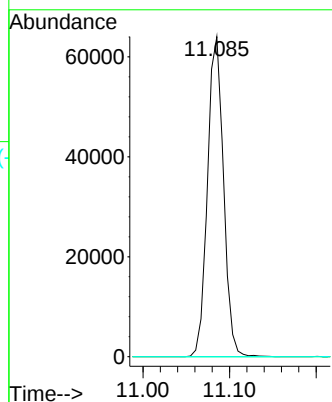
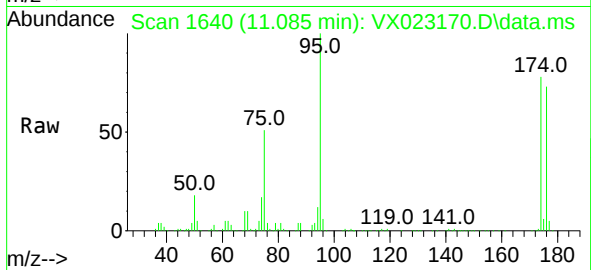




#81
trans-1,4-Dichloro-2-butene
Concen: 79.328 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

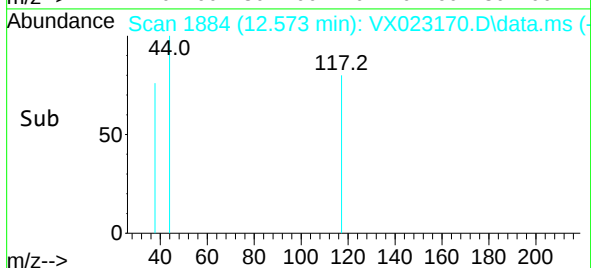
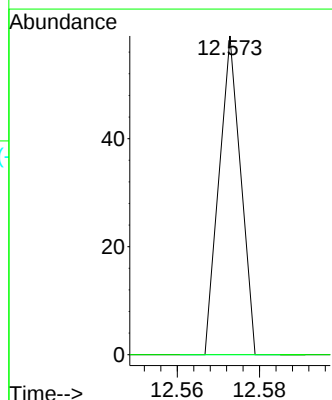
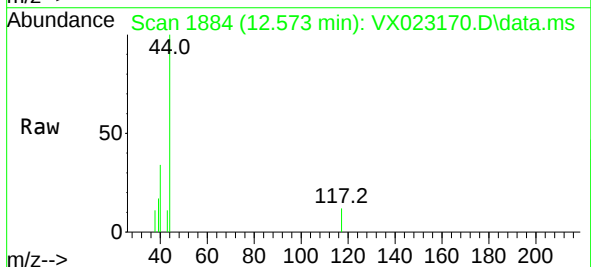
Instrument :
MSVOA_X
ClientSampleId :

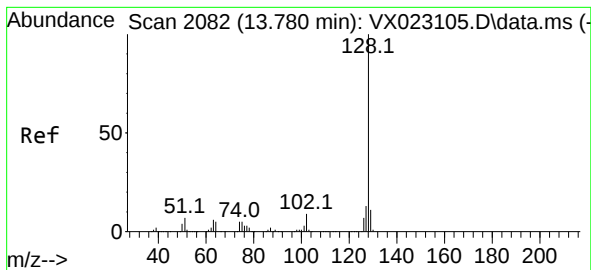
Tgt Ion: 75 Resp: 82246
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.010 ug/l
RT: 12.573 min Scan# 1884
Delta R.T. 0.031 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

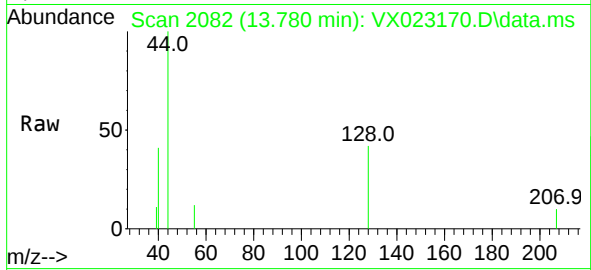
Tgt Ion: 117 Resp: 22
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023170.D
Acq: 07 Jul 2021 14:17

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 364
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

