

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023148.D
 Acq On : 06 Jul 2021 16:06
 Operator : JC/MD
 Sample : M2923-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:53:08 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)

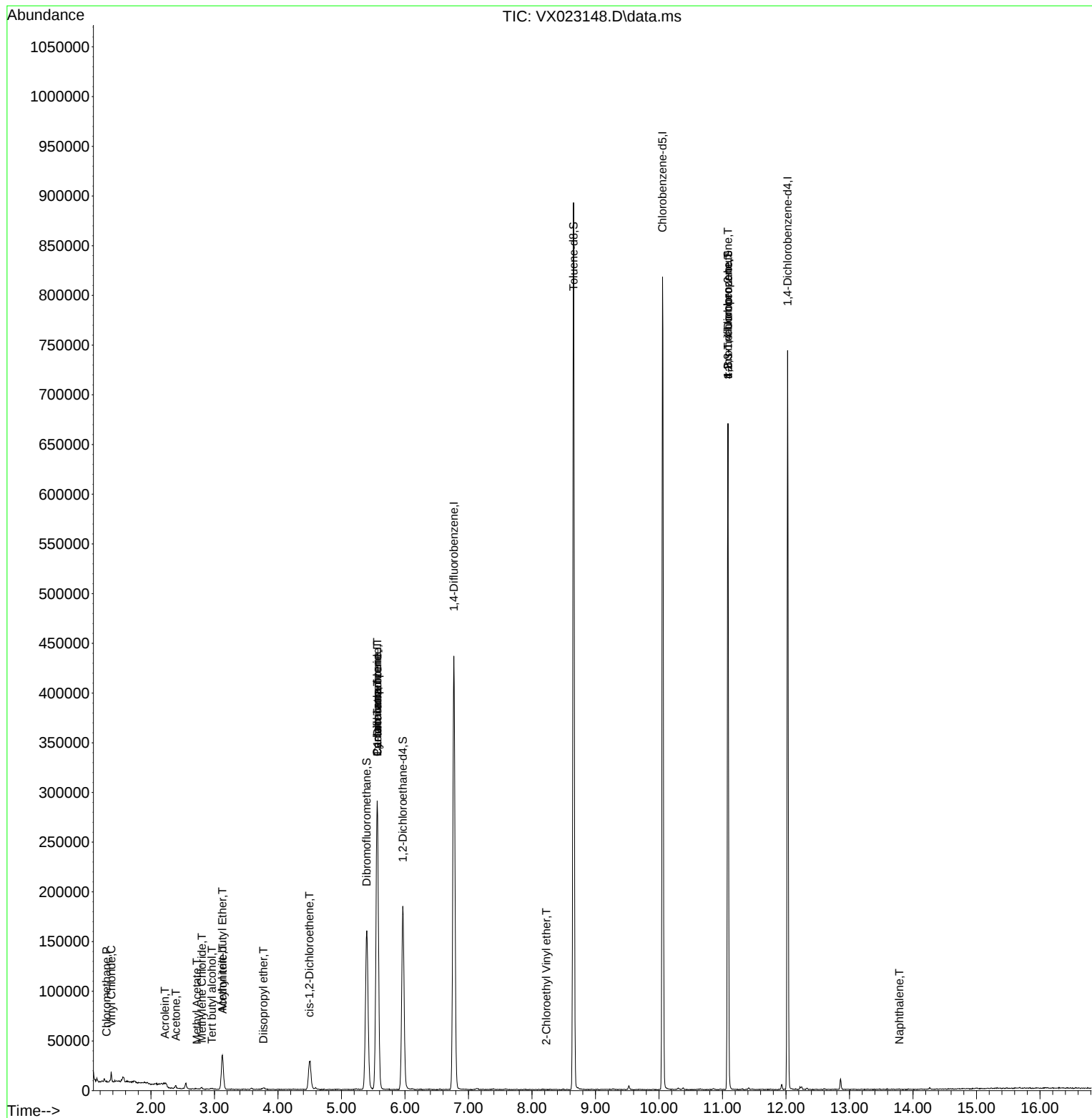
Internal Standards						
1) Pentafluorobenzene	5.562	168	264721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	433258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	182632	51.332	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.660%		
35) Dibromofluoromethane	5.397	113	138203	49.397	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.800%		
50) Toluene-d8	8.653	98	511166	48.979	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.960%		
62) 4-Bromofluorobenzene	11.085	95	176233	43.741	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 87.480%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	621	0.262	ug/l	90
4) Vinyl Chloride	1.374	62	4883	1.942	ug/l	95
5) Bromomethane	1.618	94	653	Below Cal	#	62
11) Tert butyl alcohol	2.959	59	538	0.719	ug/l #	73
13) Acrolein	2.221	56	302	0.606	ug/l #	1
15) Acrylonitrile	3.130	53	590	0.405	ug/l #	19
16) Acetone	2.392	43	3808	2.705	ug/l #	77
18) Methyl Acetate	2.721	43	755	0.221	ug/l #	52
19) Methyl tert-butyl Ether	3.123	73	36728	4.162	ug/l	100
20) Methylene Chloride	2.800	84	677	0.223	ug/l #	89
22) Diisopropyl ether	3.770	45	1964	0.227	ug/l #	73
27) cis-1,2-Dichloroethene	4.495	96	18383	5.955	ug/l	92
31) Cyclohexane	5.562	56	5680	1.333	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	20841	5.396	ug/l #	50
38) Carbon Tetrachloride	5.562	117	27863	6.911	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.226	63	21	4.698	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	90014	30.538	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	90014	81.909	ug/l #	12
95) Naphthalene	13.786	128	319	1.304	ug/l #	78

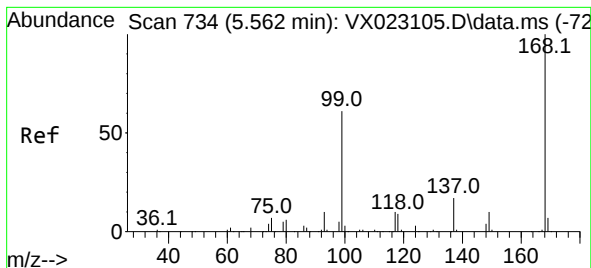
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX023148.D

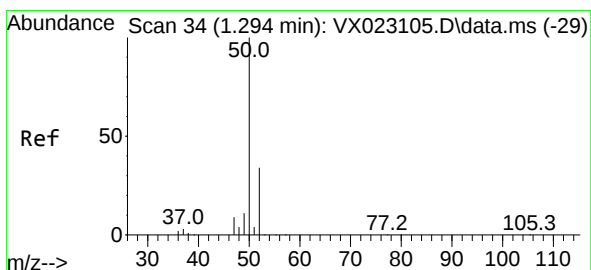
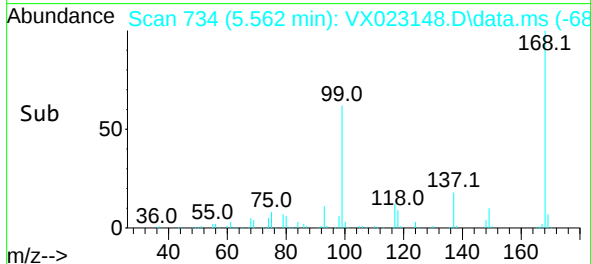
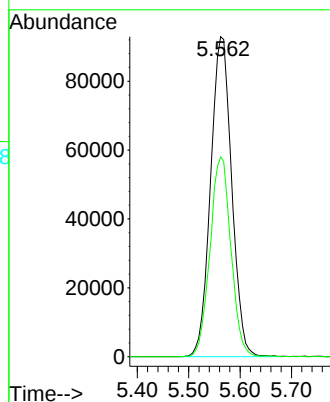
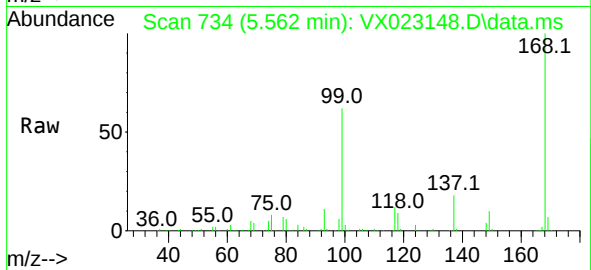
Acq: 06 Jul 2021 16:06

Tgt Ion:168 Resp: 264721

Ion Ratio Lower Upper

168 100

99 62.4 45.8 68.6



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.007 min

Lab File: VX023148.D

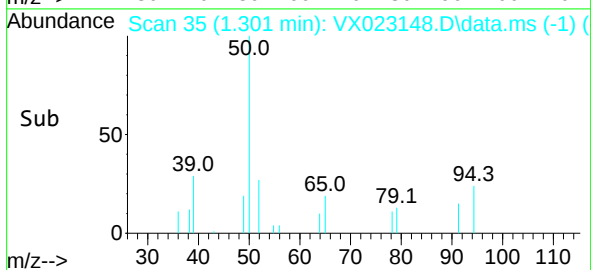
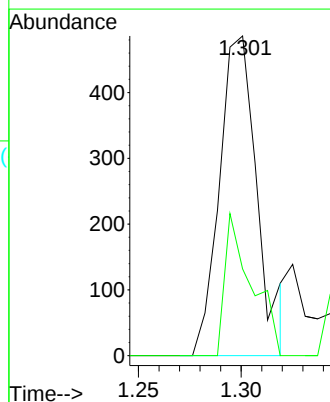
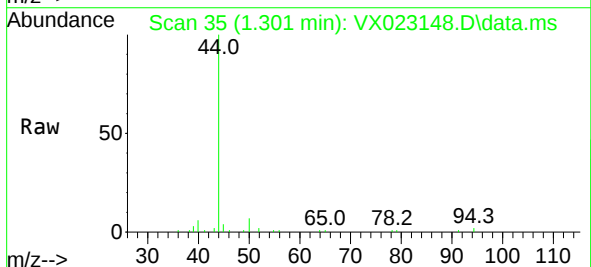
Acq: 06 Jul 2021 16:06

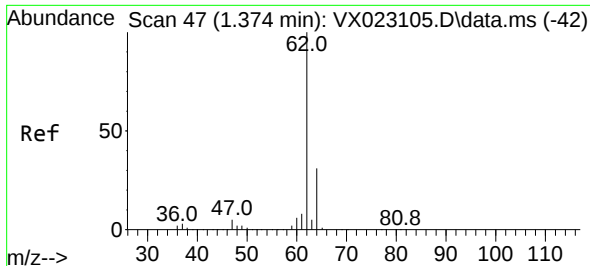
Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

50 100

52 27.2 26.4 39.6

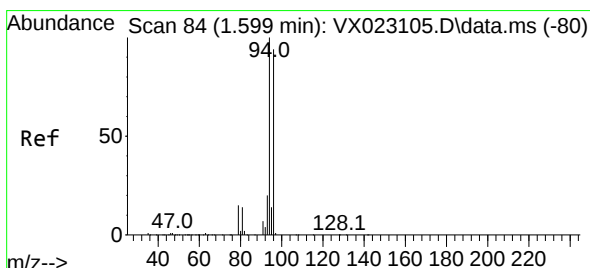
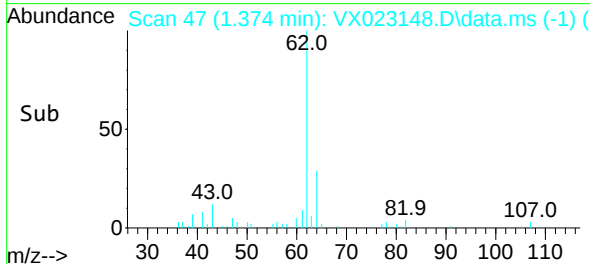
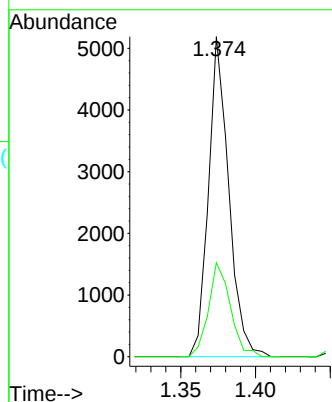
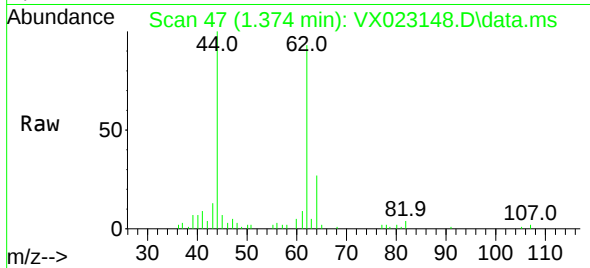




#4
 Vinyl Chloride
 Concen: 1.942 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023148.D
 Acq: 06 Jul 2021 16:06

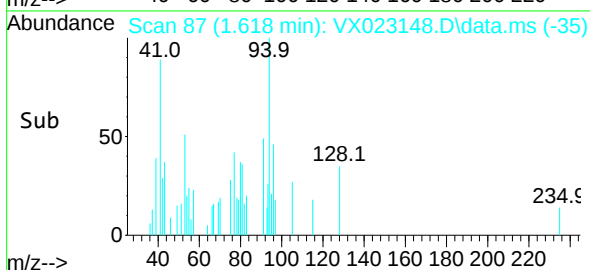
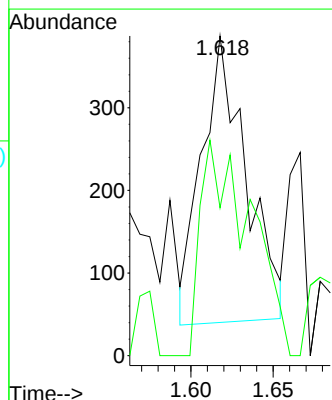
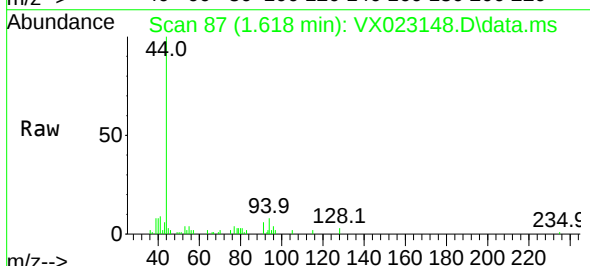
Instrument :
 MSVOA_X
 ClientSampled :

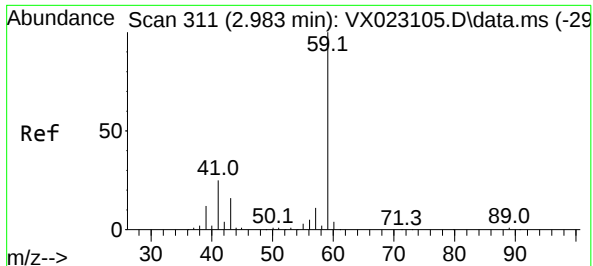
Tgt Ion: 62 Resp: 4883
 Ion Ratio Lower Upper
 62 100
 64 29.4 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX023148.D
 Acq: 06 Jul 2021 16:06

Tgt Ion: 94 Resp: 653
 Ion Ratio Lower Upper
 94 100
 96 58.9 76.4 114.6#



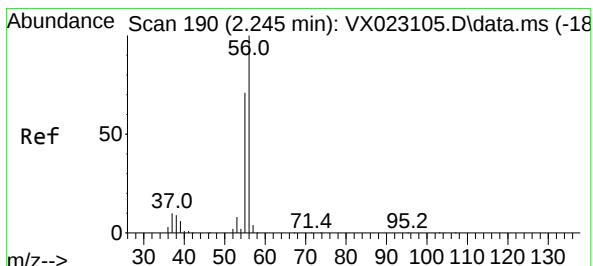
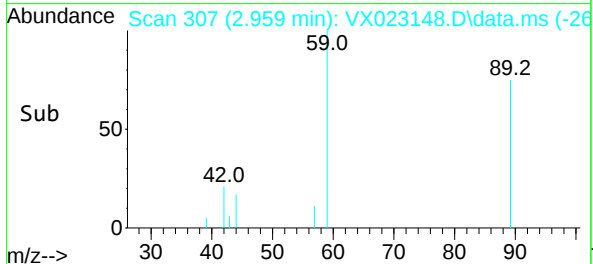
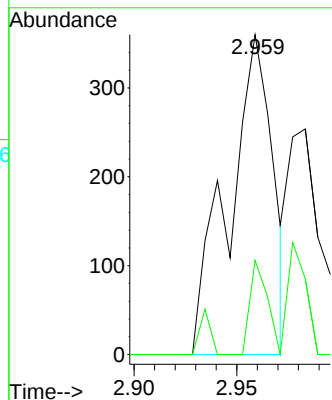
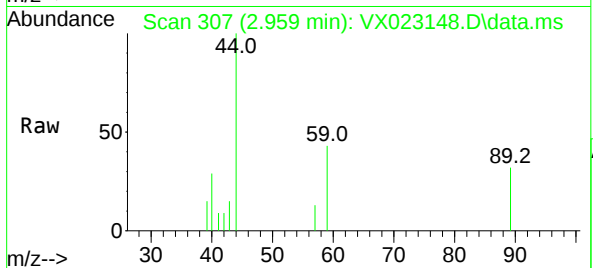


#11

Tert butyl alcohol
Concen: 0.719 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Instrument :
MSVOA_X
ClientSampled :

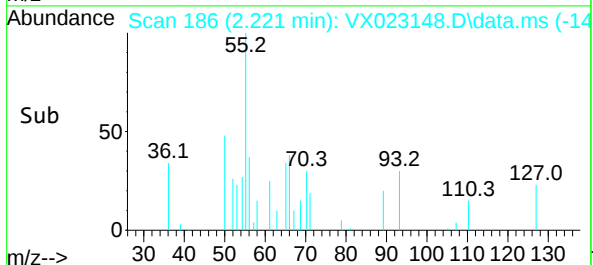
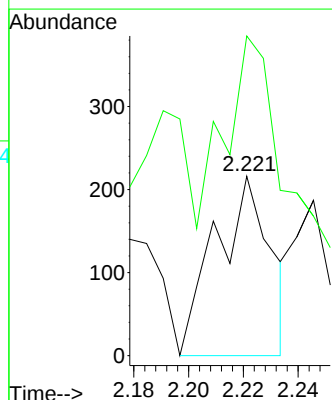
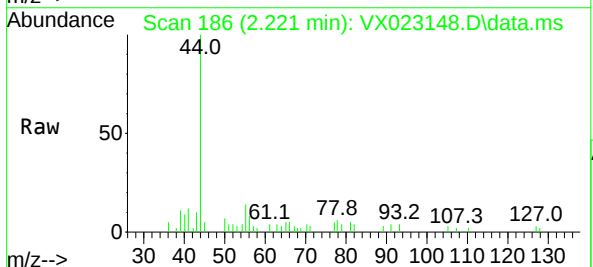
Tgt Ion: 59 Resp: 538
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

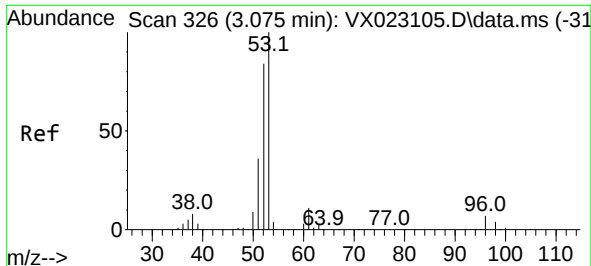


#13

Acrolein
Concen: 0.606 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.024 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 162.6 56.4 84.6#

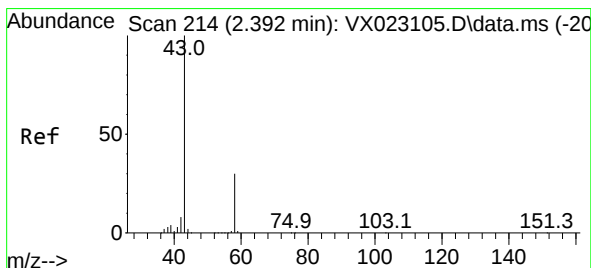
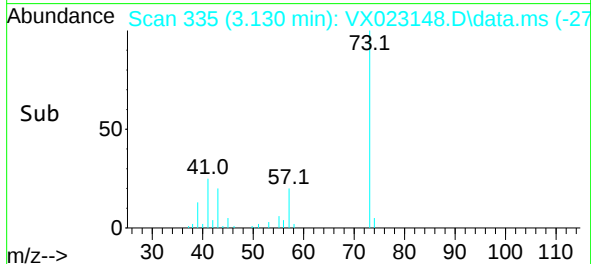
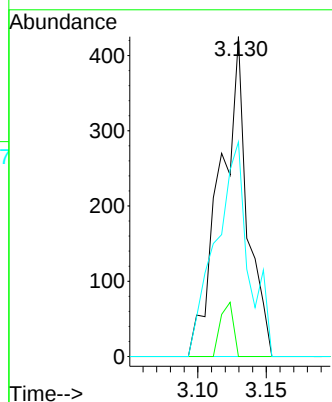
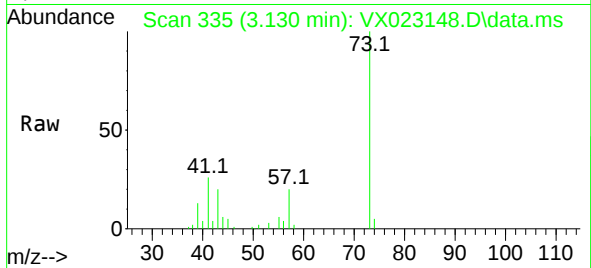




#15
Acrylonitrile
Concen: 0.405 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.055 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

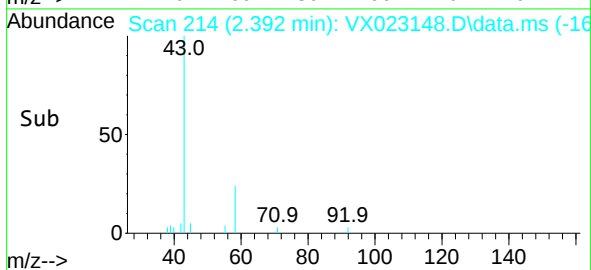
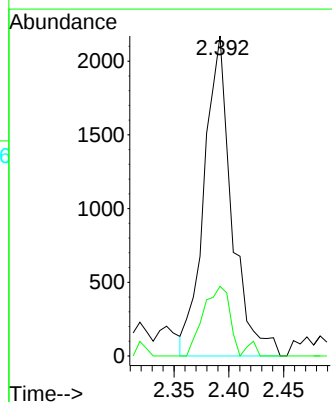
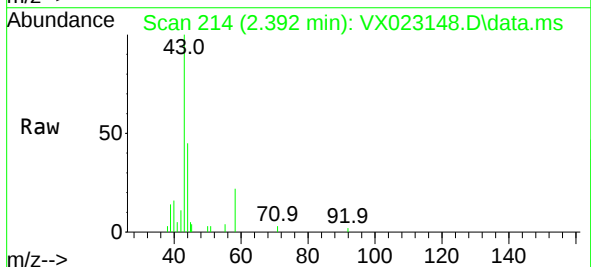
Instrument :
MSVOA_X
ClientSampled :

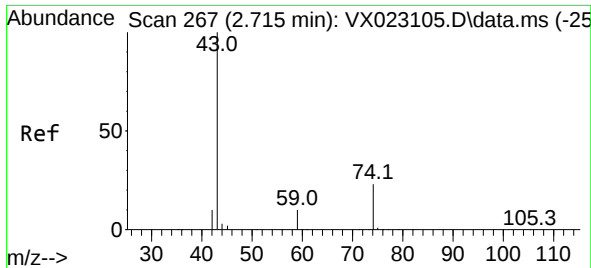
Tgt Ion: 53 Resp: 590
Ion Ratio Lower Upper
53 100
52 8.0 65.3 97.9#
51 80.8 28.2 42.2#



#16
Acetone
Concen: 2.705 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Tgt Ion: 43 Resp: 3808
Ion Ratio Lower Upper
43 100
58 21.7 27.8 41.8#

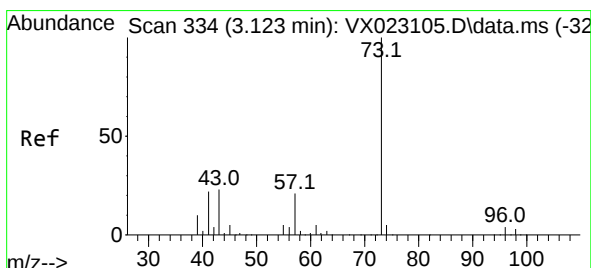
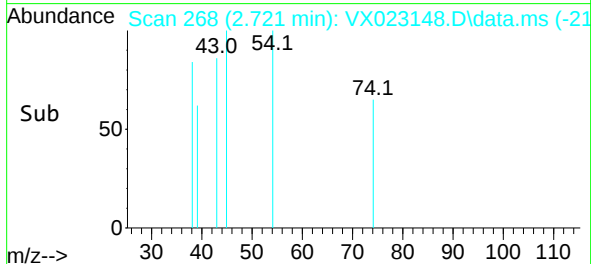
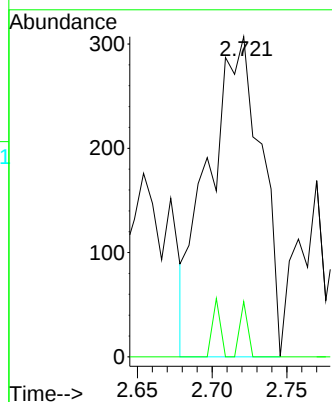
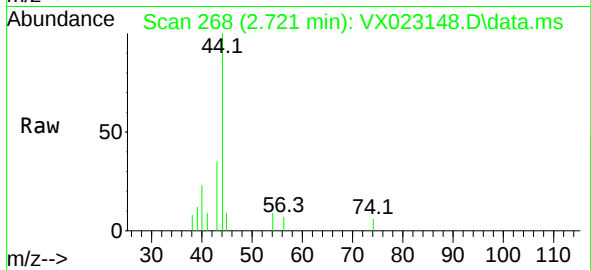




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

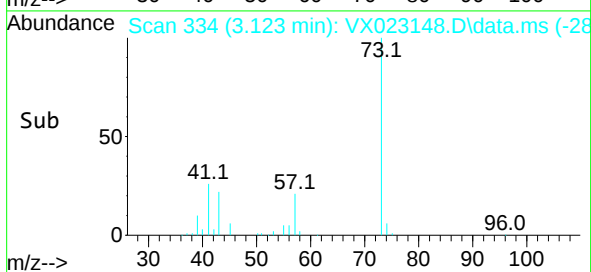
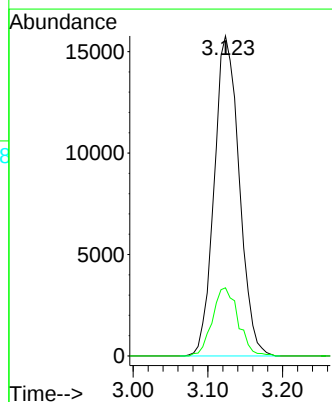
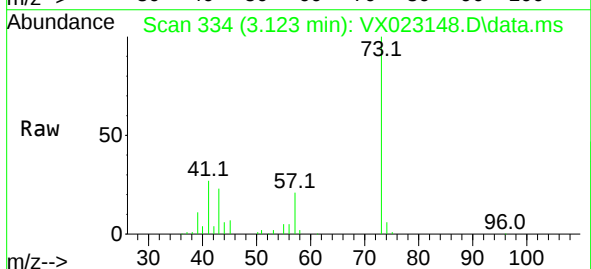
Instrument :
MSVOA_X
ClientSampled :

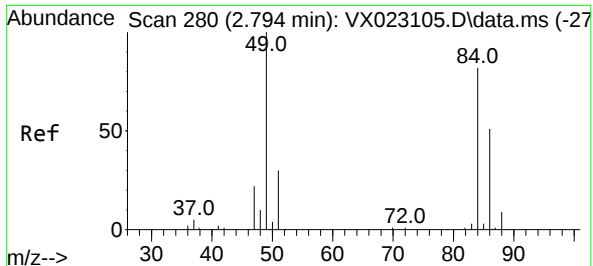
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
74 2.5 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 4.162 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Tgt Ion: 73 Resp: 36728
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7





#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

Tgt Ion: 84 Resp: 677

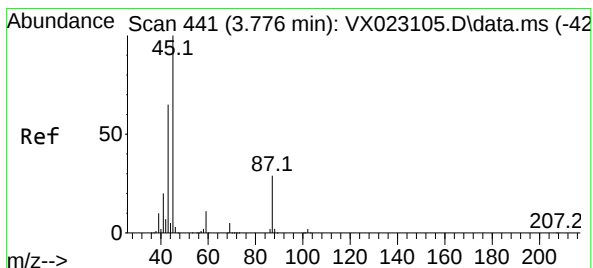
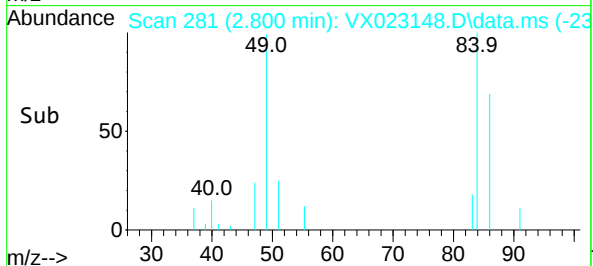
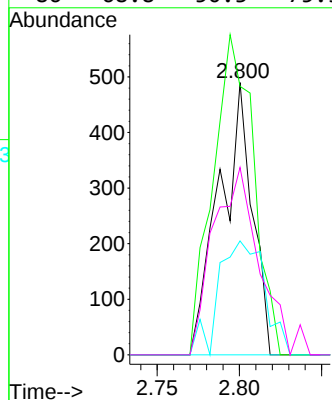
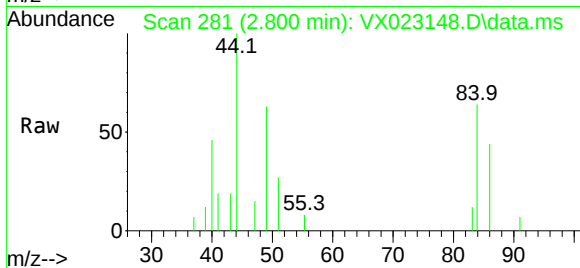
Ion Ratio Lower Upper

84 100

49 98.6 88.6 132.8

51 41.8 27.0 40.6#

86 68.8 50.3 75.5



#22

Diisopropyl ether

Concen: 0.227 ug/l

RT: 3.770 min Scan# 440

Delta R.T. -0.006 min

Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

Tgt Ion: 45 Resp: 1964

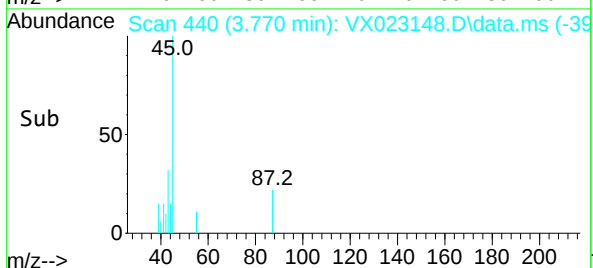
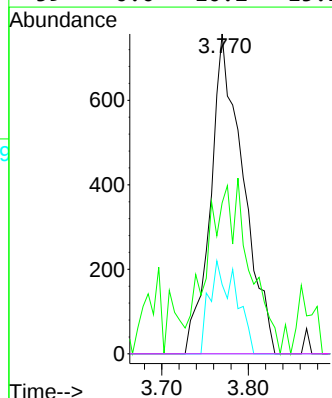
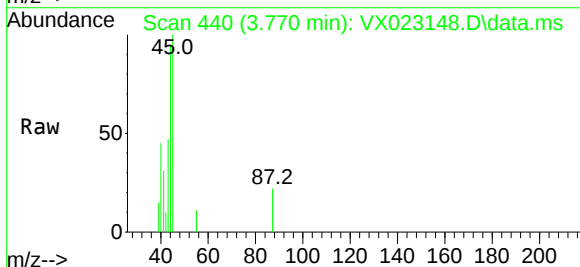
Ion Ratio Lower Upper

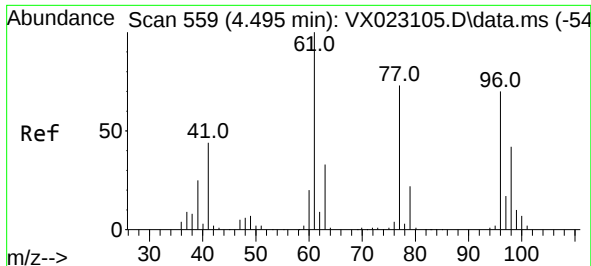
45 100

43 47.2 58.0 87.0#

87 21.7 25.4 38.0#

59 0.0 10.2 15.2#





#27

cis-1,2-Dichloroethene

Concen: 5.955 ug/l

RT: 4.495 min Scan# 559

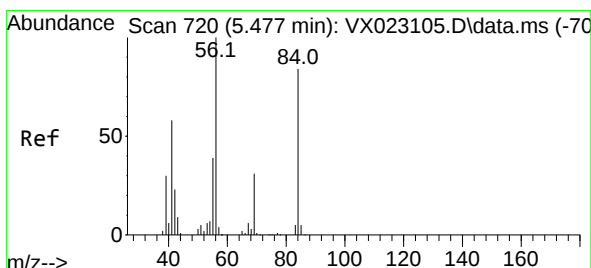
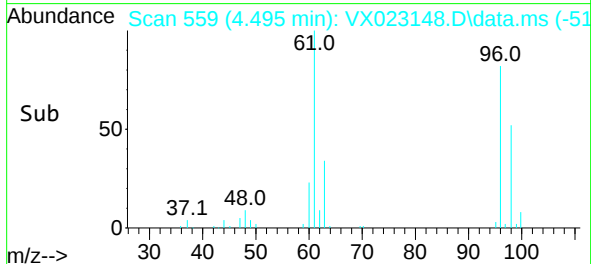
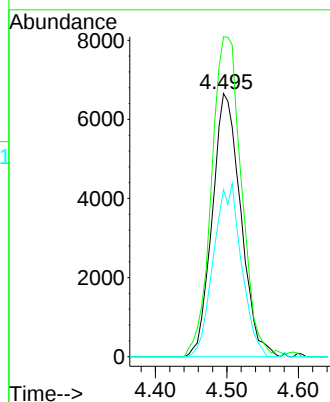
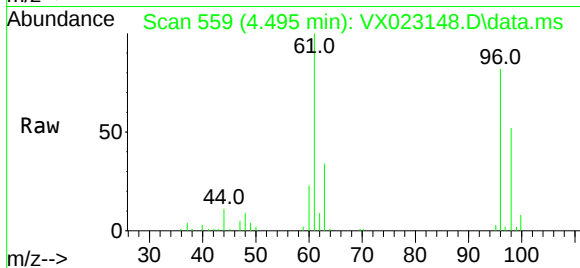
Delta R.T. 0.000 min

Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

Tgt Ion: 96 Resp: 18383

Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	285.6
98	64.6	0.0	129.6



#31

Cyclohexane

Concen: 1.333 ug/l

RT: 5.562 min Scan# 734

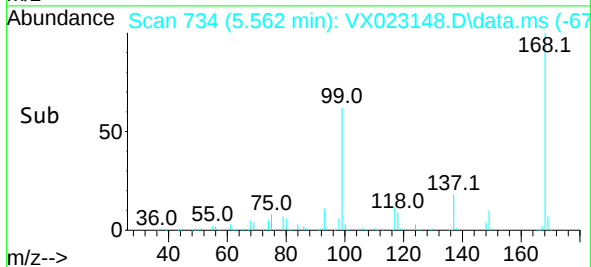
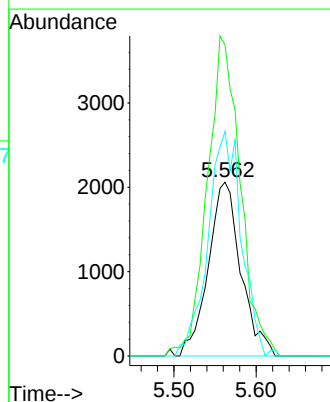
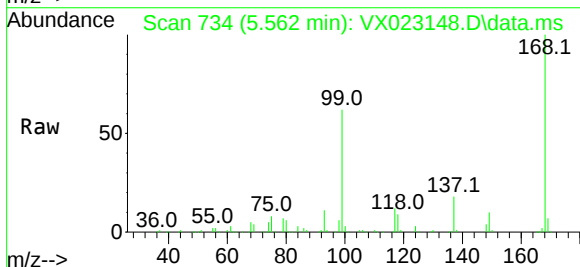
Delta R.T. 0.085 min

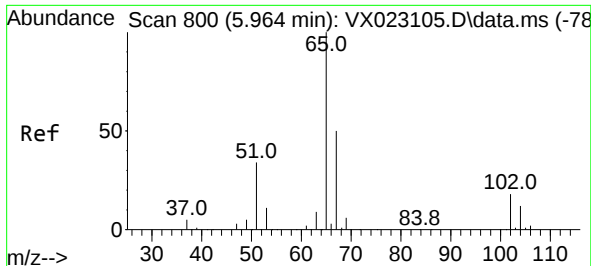
Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

Tgt Ion: 56 Resp: 5680

Ion	Ratio	Lower	Upper
56	100		
69	179.1	25.3	37.9#
84	129.3	71.4	107.0#

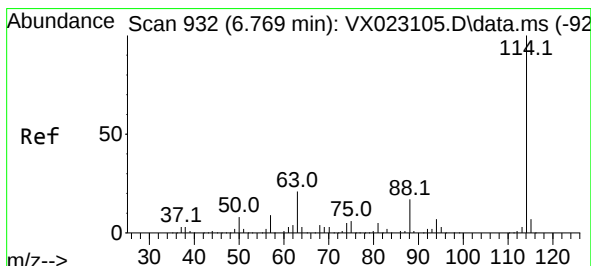
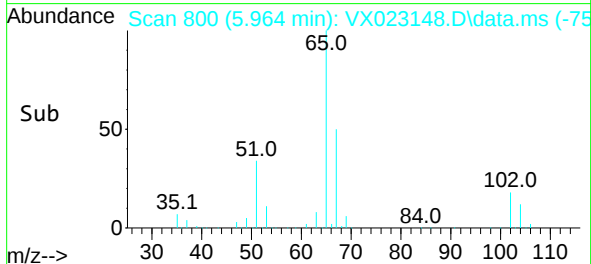
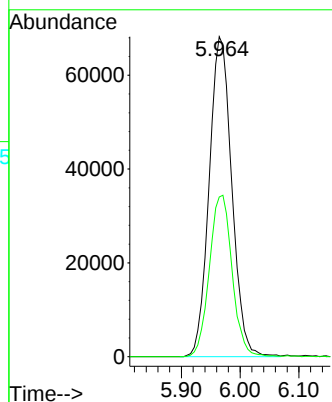
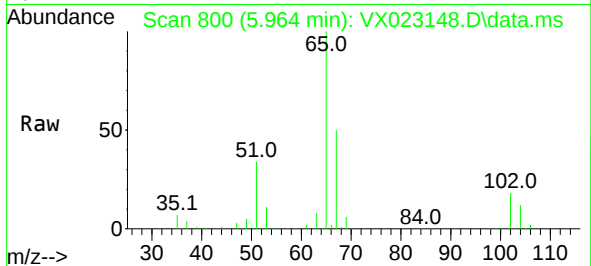




#33
 1,2-Dichloroethane-d4
 Concen: 51.332 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023148.D
 Acq: 06 Jul 2021 16:06

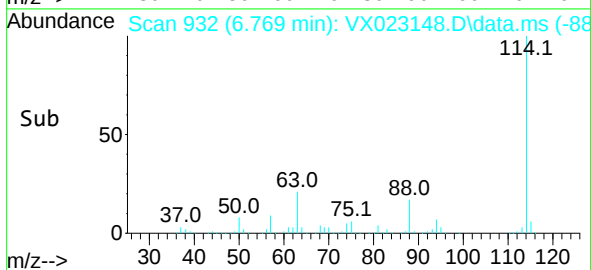
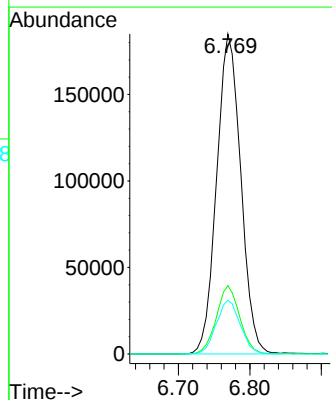
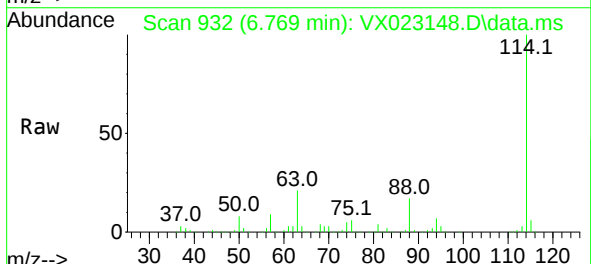
Instrument :
 MSVOA_X
 ClientSampled :

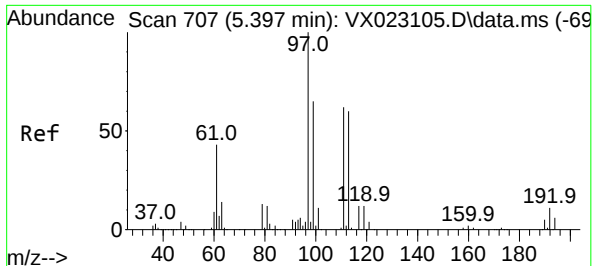
Tgt Ion: 65 Resp: 182632
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023148.D
 Acq: 06 Jul 2021 16:06

Tgt Ion: 114 Resp: 433258
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.397 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

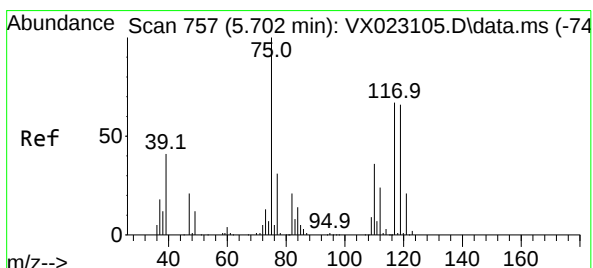
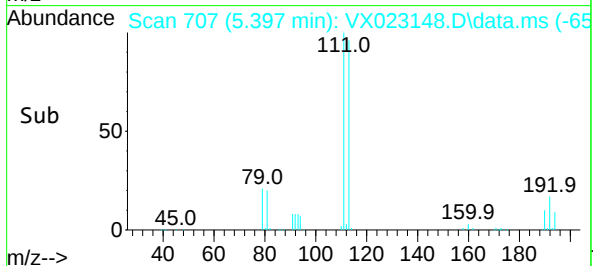
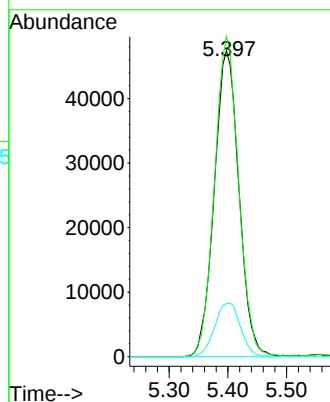
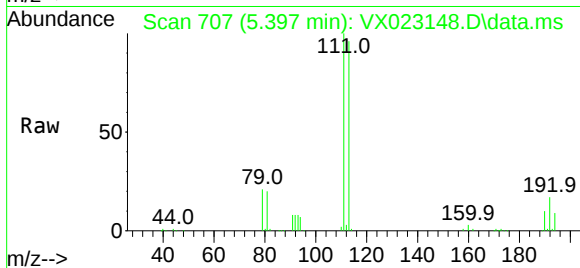
Tgt Ion:113 Resp: 138203

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 18.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.396 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023148.D

Acq: 06 Jul 2021 16:06

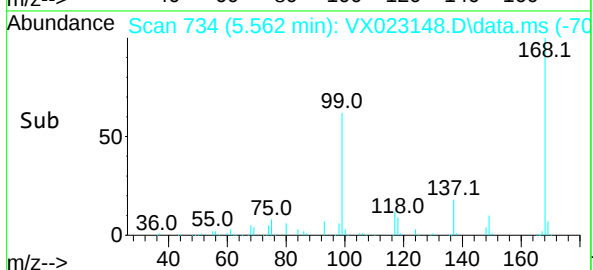
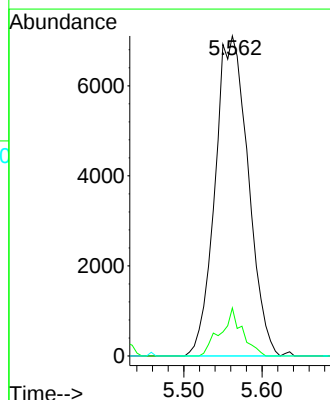
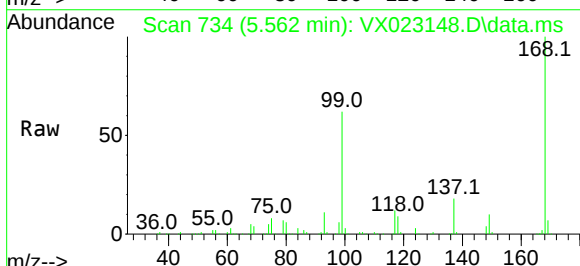
Tgt Ion: 75 Resp: 20841

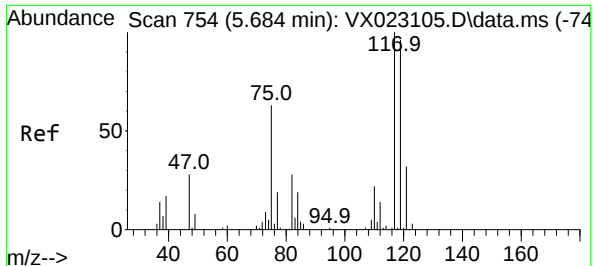
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

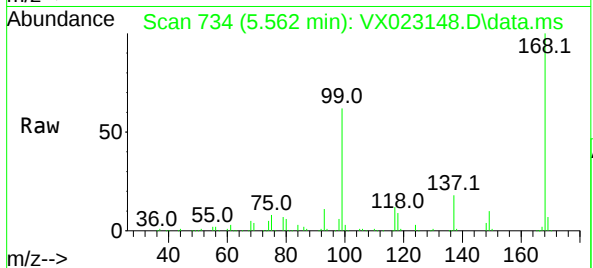
77 0.0 25.3 37.9#



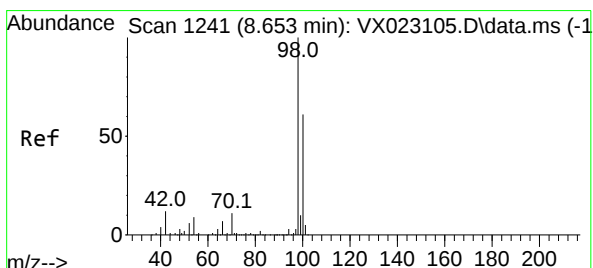
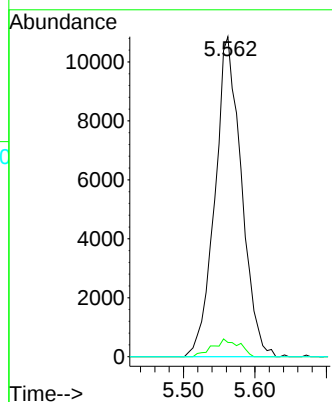
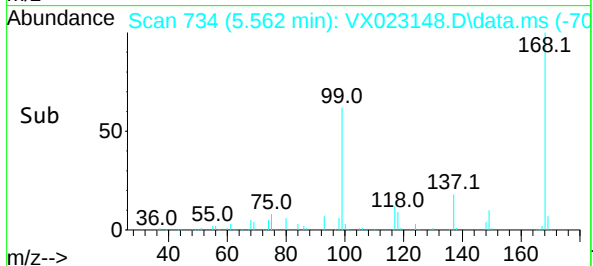


#38
Carbon Tetrachloride
Concen: 6.911 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

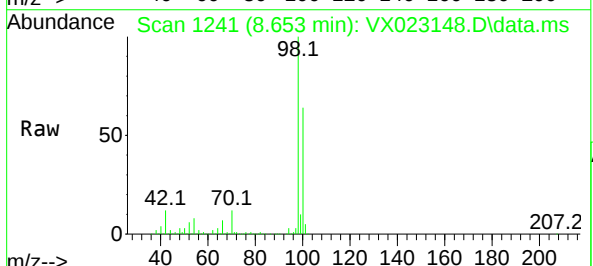
Instrument :
MSVOA_X
ClientSampled :



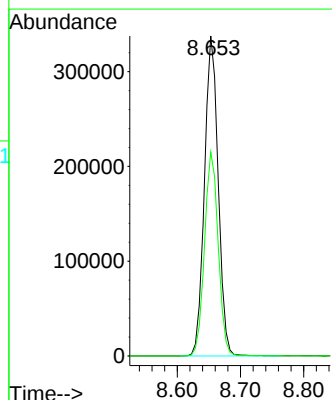
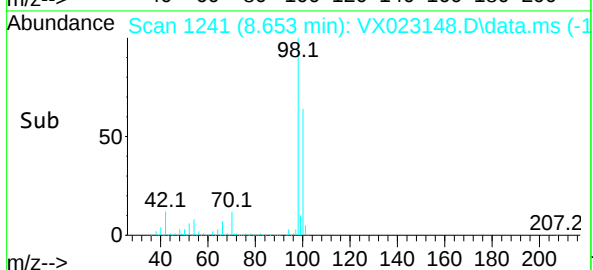
Tgt Ion:117 Resp: 27863
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#

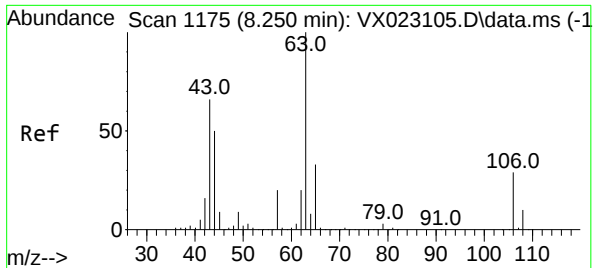


#50
Toluene-d8
Concen: 48.979 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06



Tgt Ion: 98 Resp: 511166
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

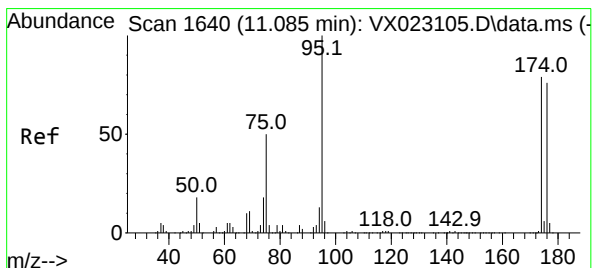
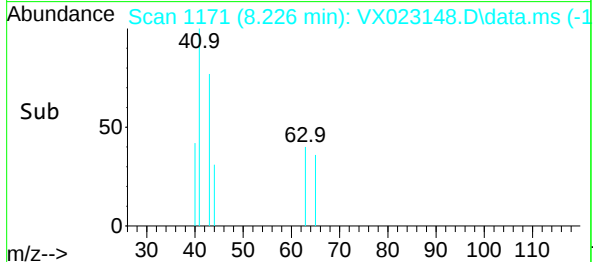
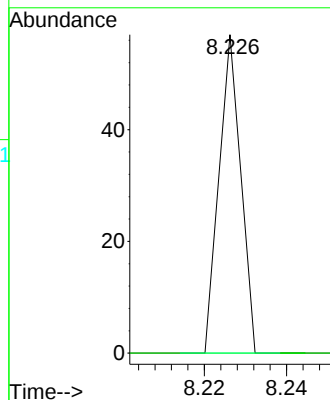
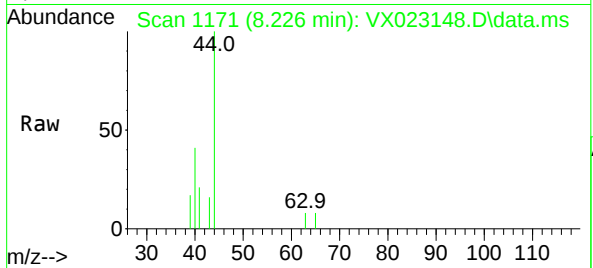




#58
2-Chloroethyl Vinyl ether
Concen: 4.698 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.024 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

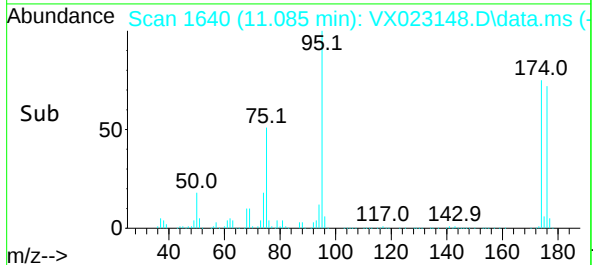
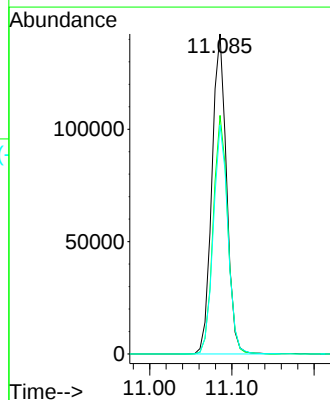
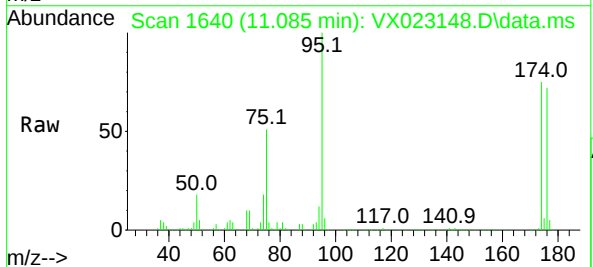
Instrument :
MSVOA_X
ClientSampled :

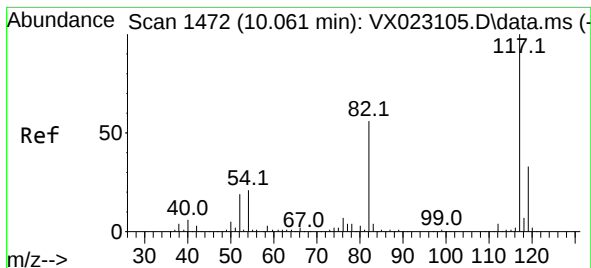
Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 43.741 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Tgt Ion: 95 Resp: 176233
Ion Ratio Lower Upper
95 100
174 74.1 0.0 154.6
176 71.5 0.0 155.8

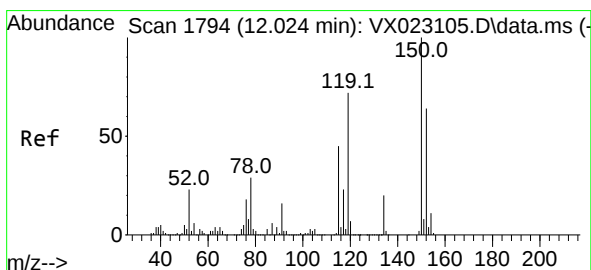
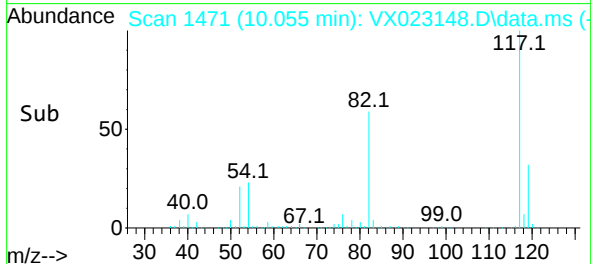
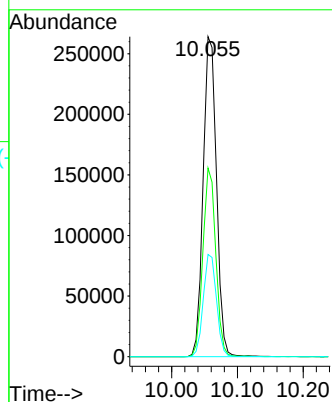
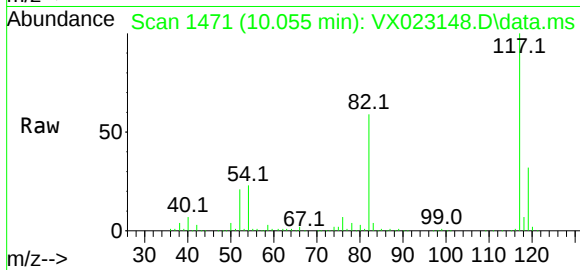




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

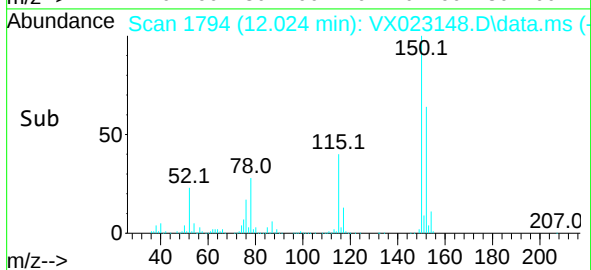
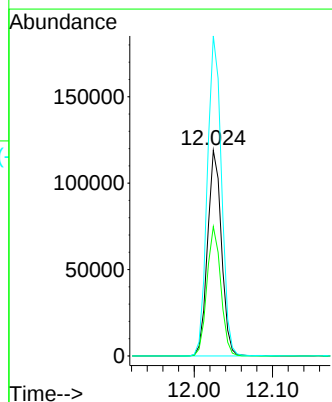
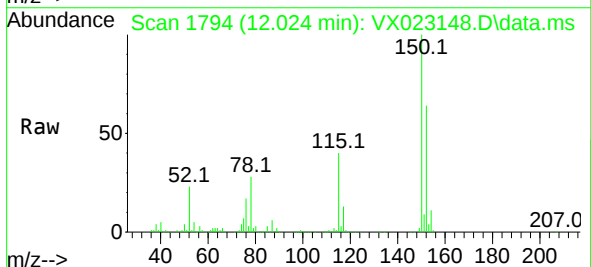
Instrument :
MSVOA_X
ClientSampled :

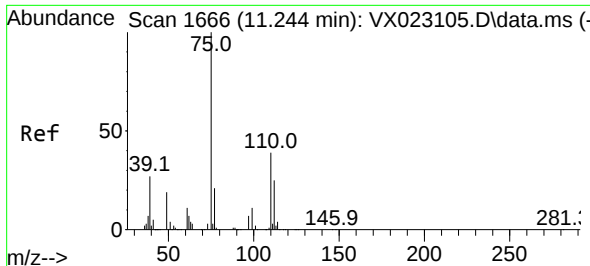
Tgt Ion:117 Resp: 372119
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Tgt Ion:152 Resp: 146477
Ion Ratio Lower Upper
152 100
115 62.5 41.1 123.3
150 158.3 0.0 349.0

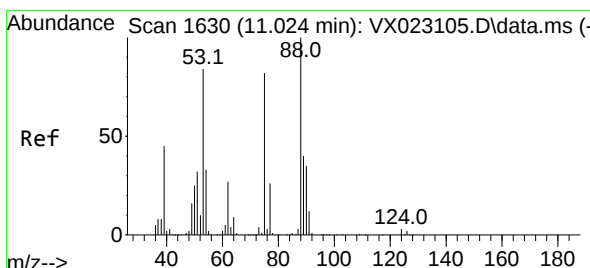
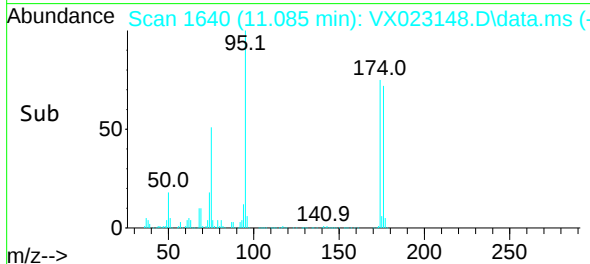
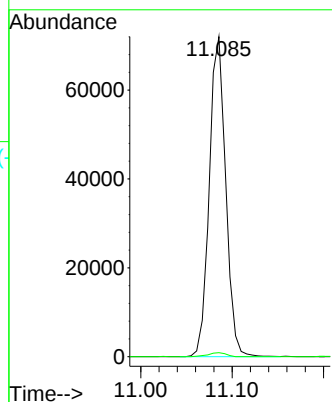
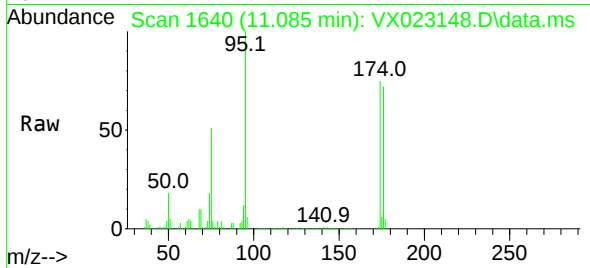




#76
1,2,3-Trichloropropane
Concen: 30.538 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

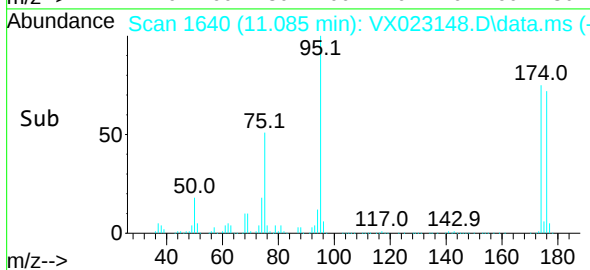
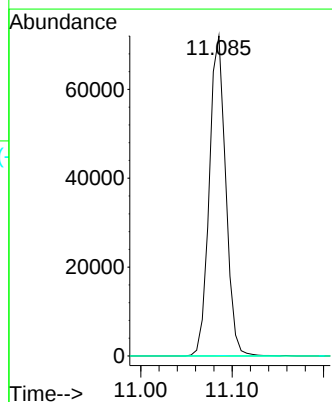
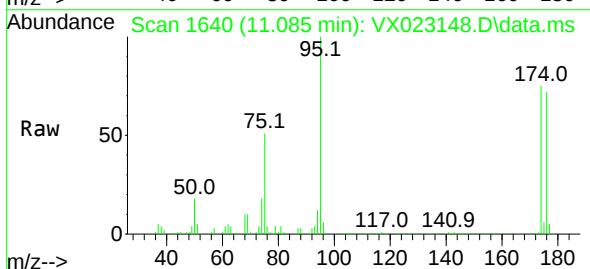
Instrument :
MSVOA_X
ClientSampled :

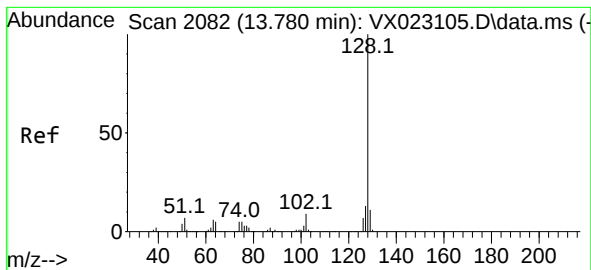
Tgt Ion: 75 Resp: 90014
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.909 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

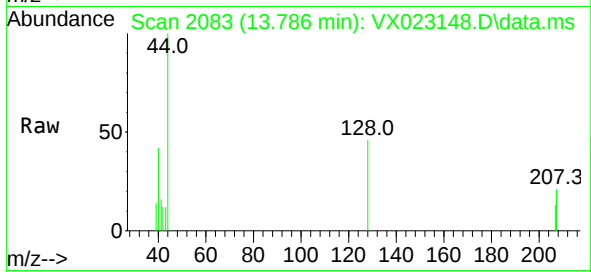
Tgt Ion: 75 Resp: 90014
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023148.D
Acq: 06 Jul 2021 16:06

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 319
Ion Ratio Lower Upper
128 100
127 6.3 10.3 15.5#
129 0.0 8.8 13.2#

