

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023262.D
 Acq On : 13 Jul 2021 14:29
 Operator : JC/MD
 Sample : M3012-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:53:02 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)

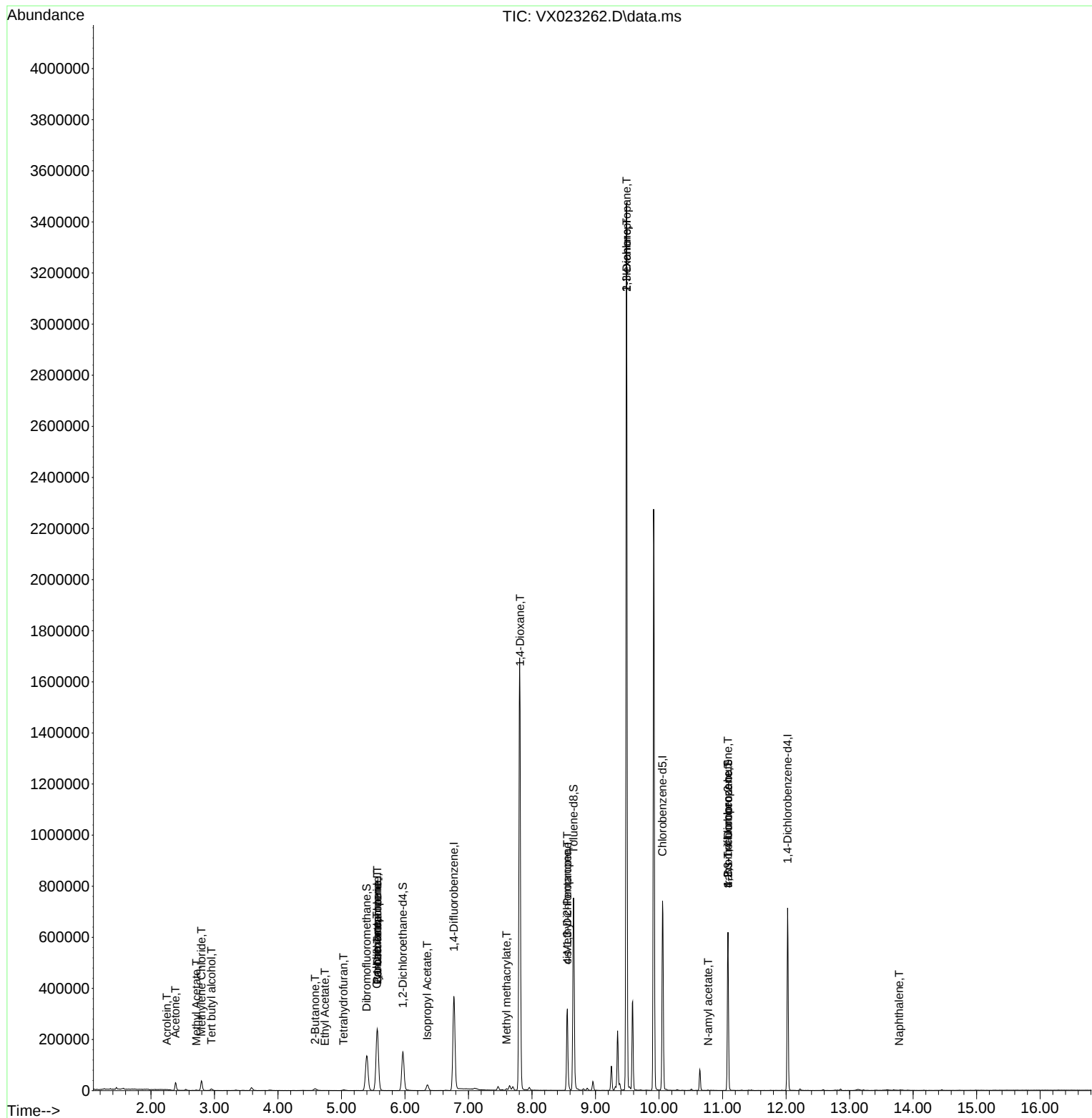
Internal Standards						
1) Pentafluorobenzene	5.562	168	225083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	372698	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152552	50.429	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.860%	
35) Dibromofluoromethane	5.397	113	119991	49.857	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.720%	
50) Toluene-d8	8.653	98	441322	49.158	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	11.085	95	162903	47.002	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	461	Below Cal	#	51
11) Tert butyl alcohol	2.953	59	3611	5.674	ug/l #	75
13) Acrolein	2.252	56	212	0.500	ug/l #	14
16) Acetone	2.386	43	31593	26.397	ug/l #	87
18) Methyl Acetate	2.715	43	2370	0.816	ug/l #	87
20) Methylene Chloride	2.794	84	17159	6.659	ug/l	95
25) 2-Butanone	4.586	43	5661	3.137	ug/l	91
29) Tetrahydrofuran	5.032	42	2377	2.049	ug/l #	84
31) Cyclohexane	5.556	56	4528	1.250	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17483	5.262	ug/l #	49
37) Ethyl Acetate	4.739	43	752	0.207	ug/l #	68
38) Carbon Tetrachloride	5.562	117	23238	6.701	ug/l #	16
43) Isopropyl Acetate	6.348	43	30279	5.022	ug/l	93
48) Methyl methacrylate	7.598	41	7612	2.573	ug/l #	10
49) 1,4-Dioxane	7.811	88	305	4.581	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	110399	29.552	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	51453	13.561	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	29120	6.720	ug/l #	43
59) 2-Hexanone	9.488	43	390566	136.259	ug/l #	44
74) N-amyl acetate	10.774	43	880	0.202	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	82760	28.186	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	82760	75.967	ug/l #	12
95) Naphthalene	13.780	128	452	1.316	ug/l #	69

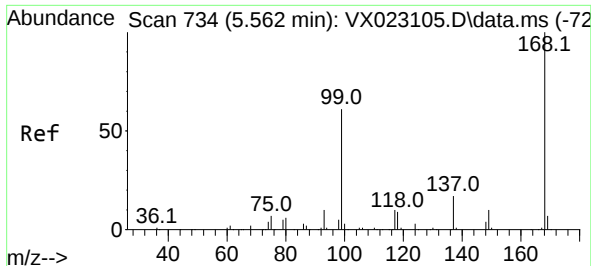
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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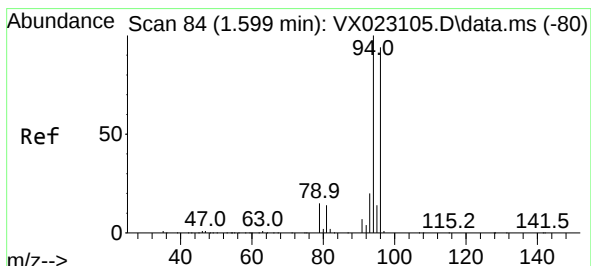
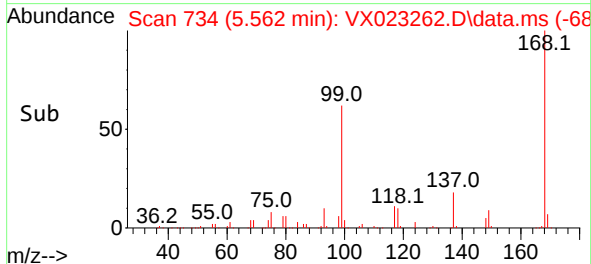
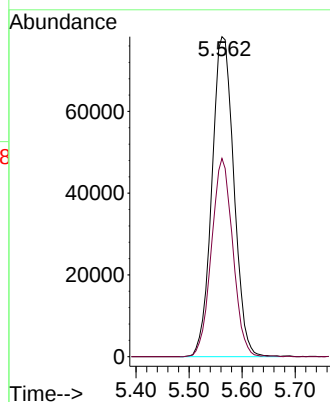
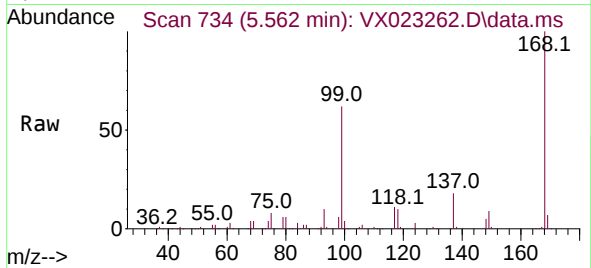




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

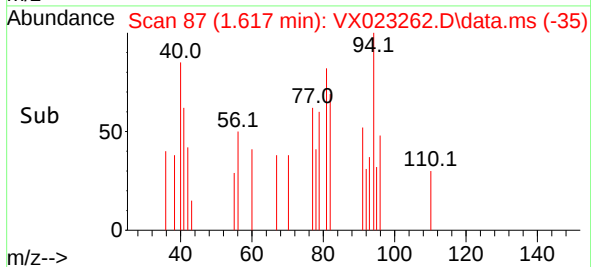
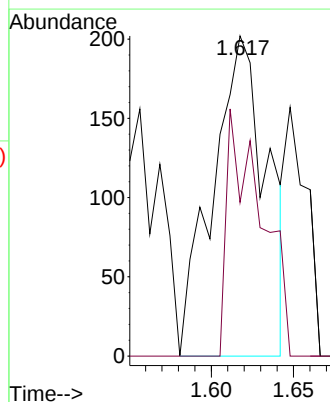
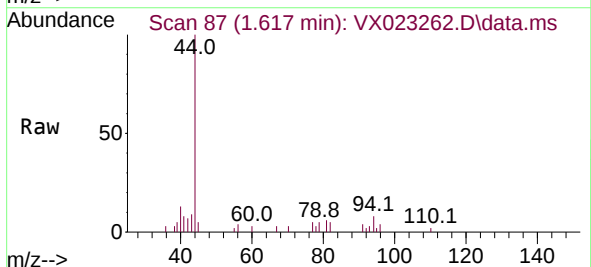
Instrument :
MSVOA_X
ClientSampleId :

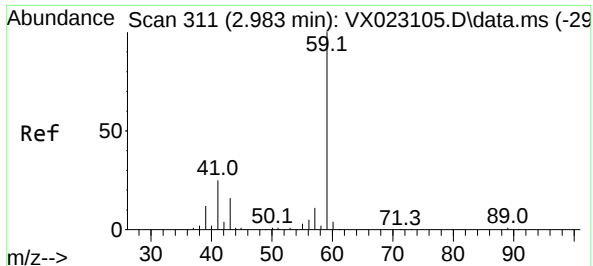
Tgt Ion:168 Resp: 225083
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 48.0 76.4 114.6#



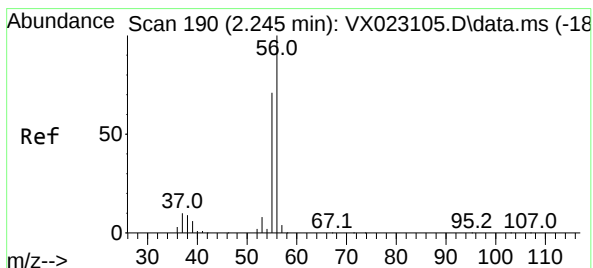
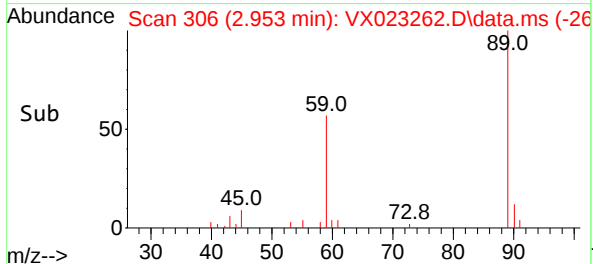
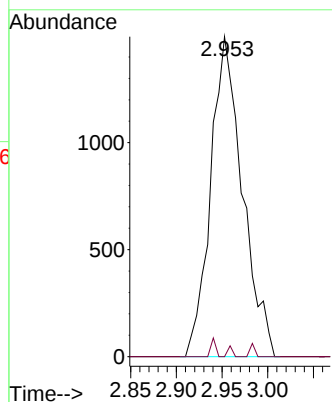
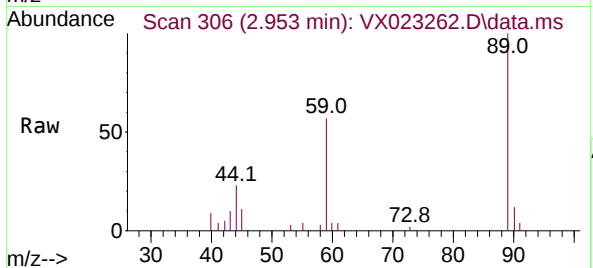


#11

Tert butyl alcohol
Concen: 5.674 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Instrument :
MSVOA_X
ClientSampled :

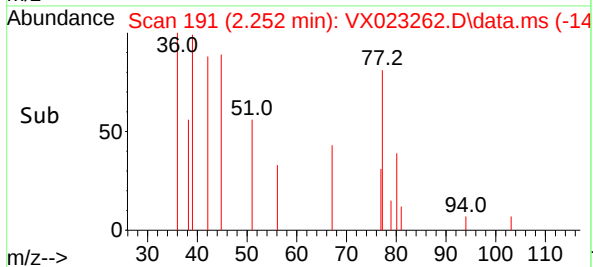
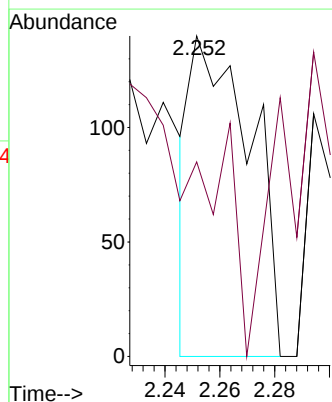
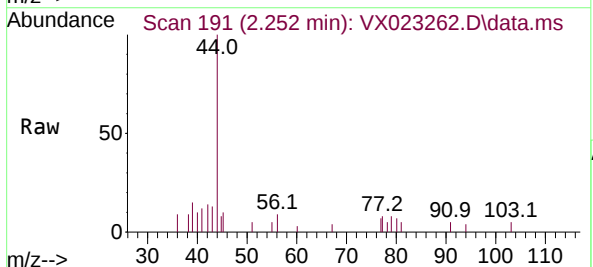
Tgt Ion: 59 Resp: 3611
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.8#

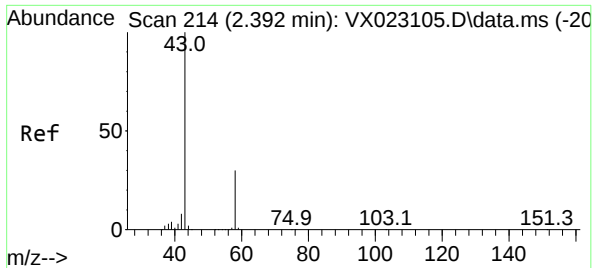


#13

Acrolein
Concen: 0.500 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

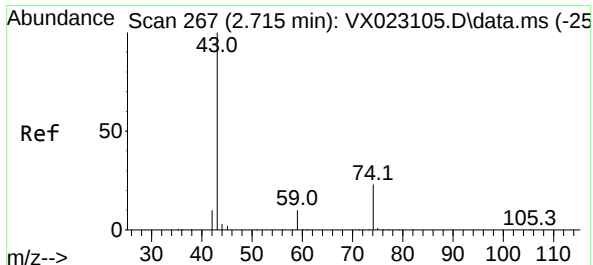
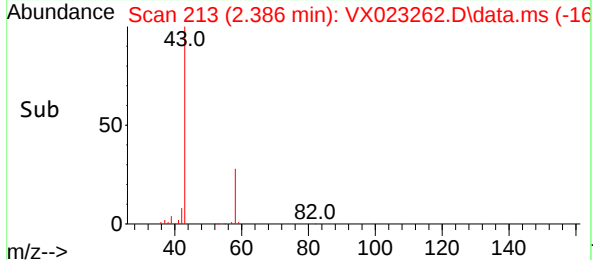
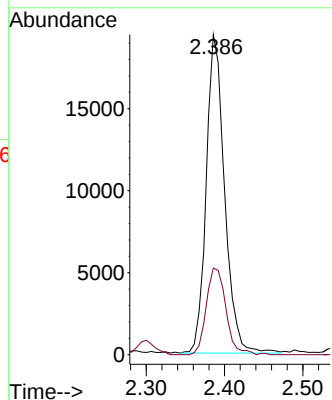
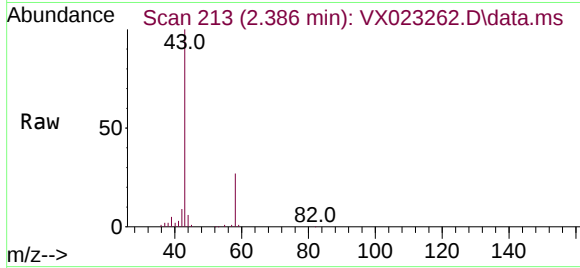




#16
Acetone
Concen: 26.397 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

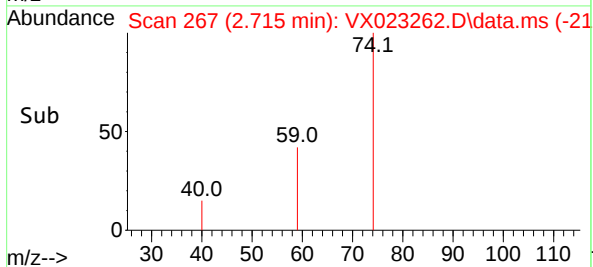
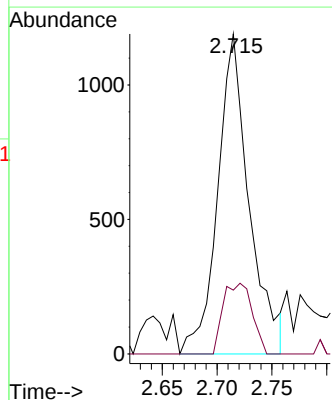
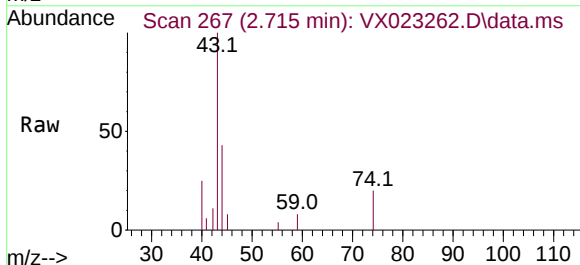
Instrument :
MSVOA_X
ClientSampled :

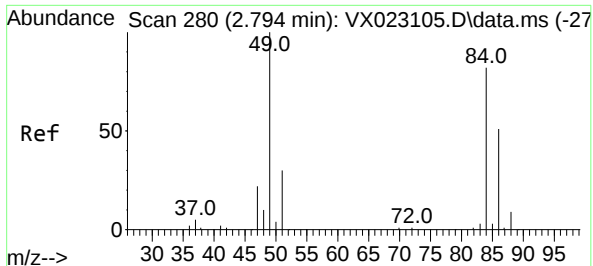
Tgt Ion: 43 Resp: 31593
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#



#18
Methyl Acetate
Concen: 0.816 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

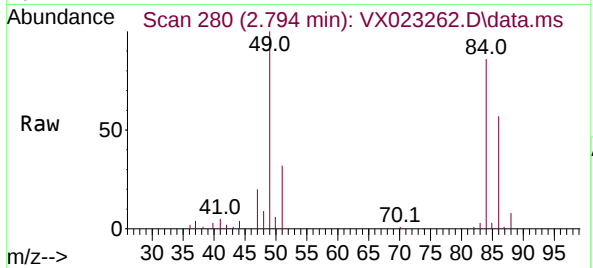
Tgt Ion: 43 Resp: 2370
Ion Ratio Lower Upper
43 100
74 20.4 21.9 32.9#



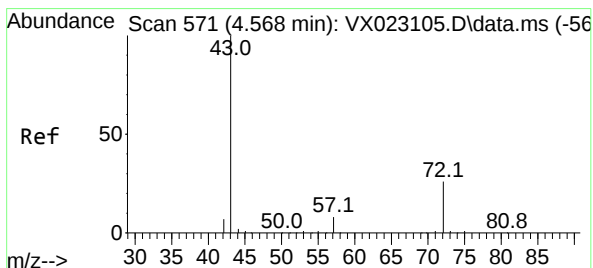
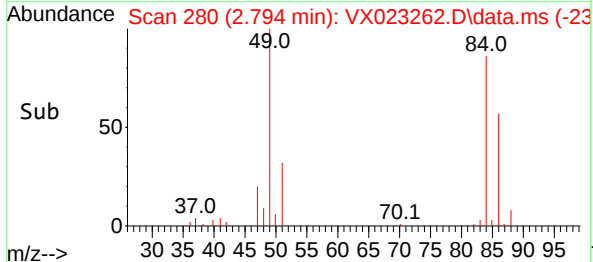
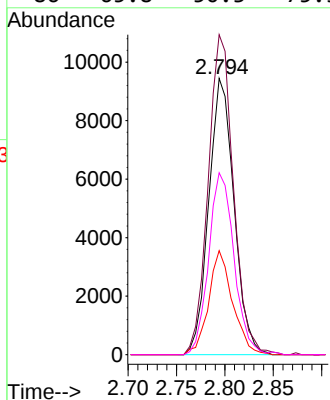


#20
Methylene Chloride
Concen: 6.659 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Instrument :
MSVOA_X
ClientSampleId :

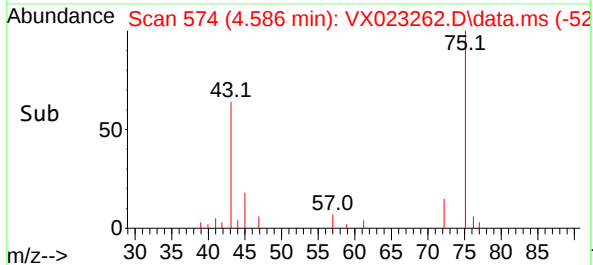
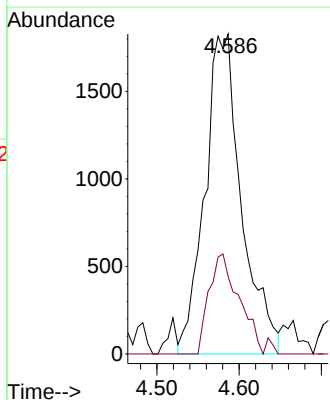
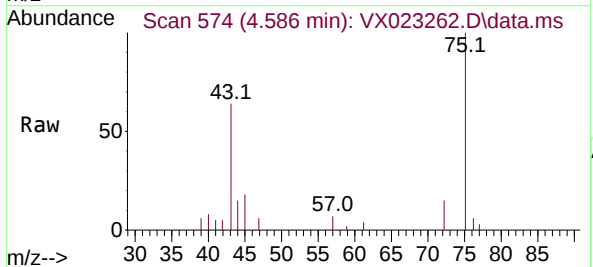


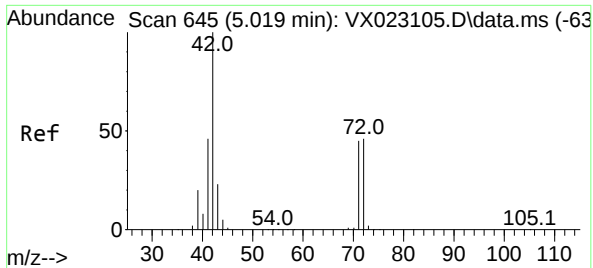
Tgt Ion:	84	Resp:	17159
Ion	Ratio	Lower	Upper
84	100		
49	115.8	88.6	132.8
51	37.6	27.0	40.6
86	65.8	50.3	75.5



#25
2-Butanone
Concen: 3.137 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion:	43	Resp:	5661
Ion	Ratio	Lower	Upper
43	100		
72	24.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 2.049 ug/l

RT: 5.032 min Scan# 647

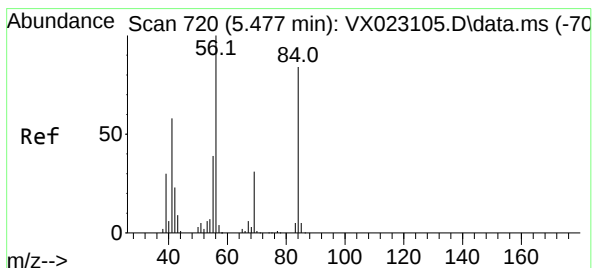
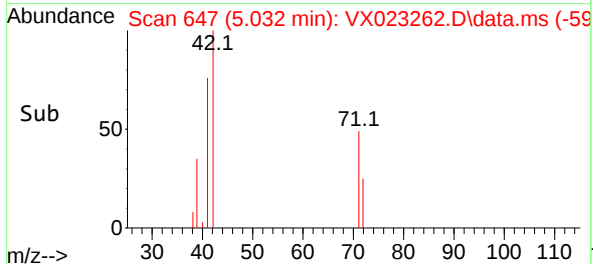
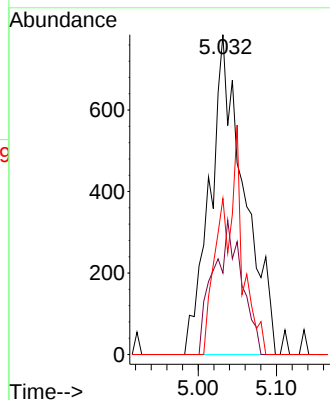
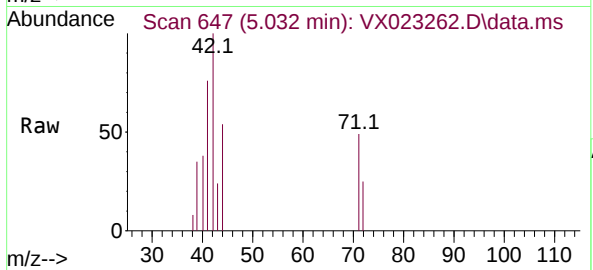
Delta R.T. 0.013 min

Lab File: VX023262.D

Acq: 13 Jul 2021 14:29

Tgt Ion: 42 Resp: 2377

Ion	Ratio	Lower	Upper
42	100		
72	34.7	41.7	62.5#
71	43.2	38.4	57.6



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 5.556 min Scan# 733

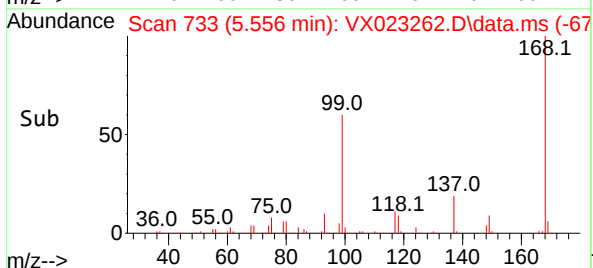
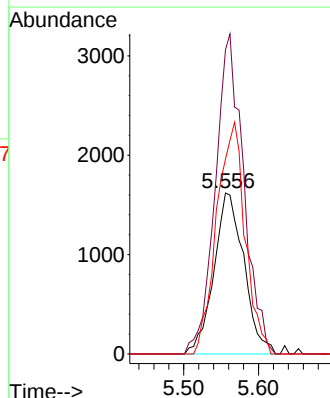
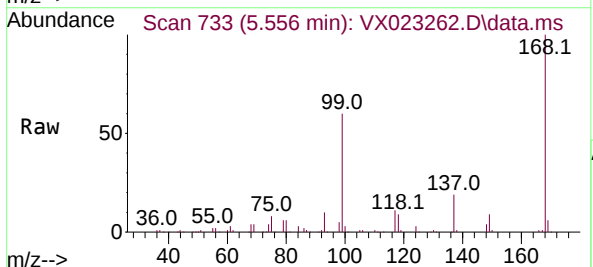
Delta R.T. 0.079 min

Lab File: VX023262.D

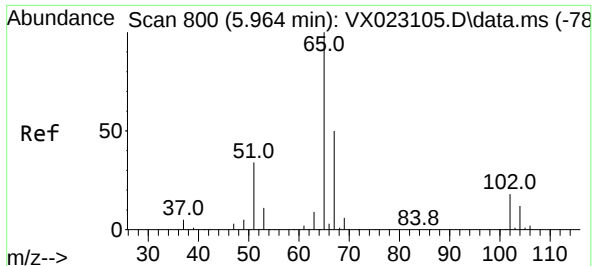
Acq: 13 Jul 2021 14:29

Tgt Ion: 56 Resp: 4528

Ion	Ratio	Lower	Upper
56	100		
69	189.0	25.3	37.9#
84	121.0	71.4	107.0#



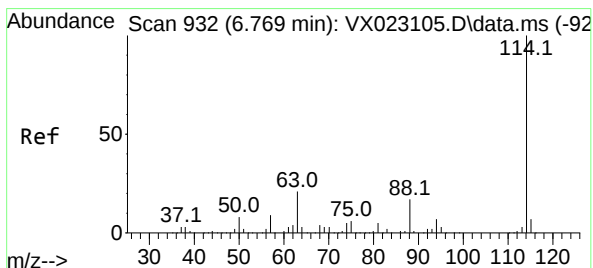
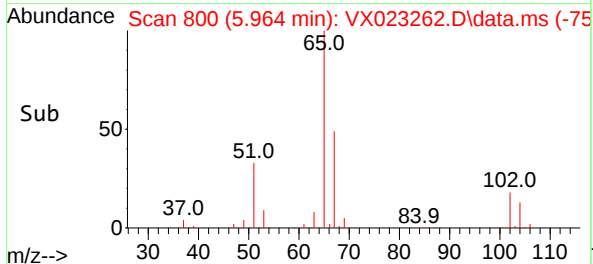
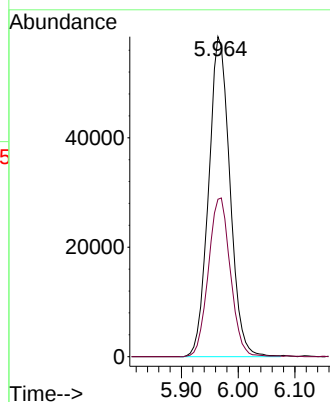
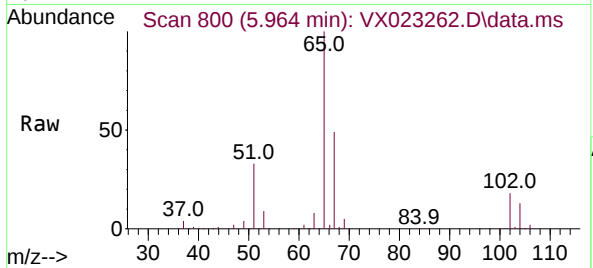
Instrument :
MSVOA_X
ClientSampleId :



#33
 1,2-Dichloroethane-d4
 Concen: 50.429 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023262.D
 Acq: 13 Jul 2021 14:29

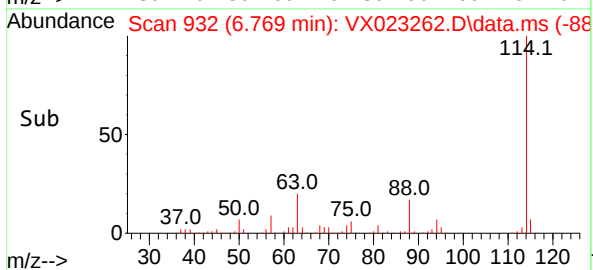
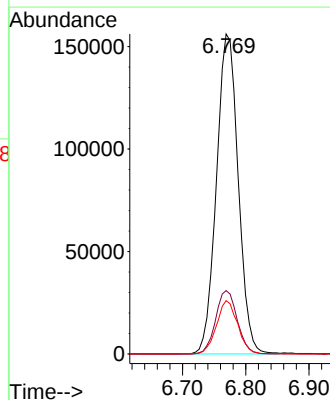
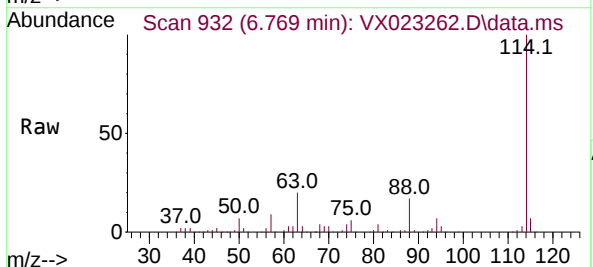
Instrument :
 MSVOA_X
 ClientSampled :

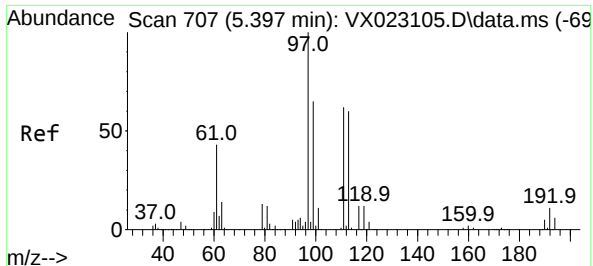
Tgt Ion: 65 Resp: 152552
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX023262.D
 Acq: 13 Jul 2021 14:29

Tgt Ion: 114 Resp: 372698
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.857 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023262.D

Acq: 13 Jul 2021 14:29

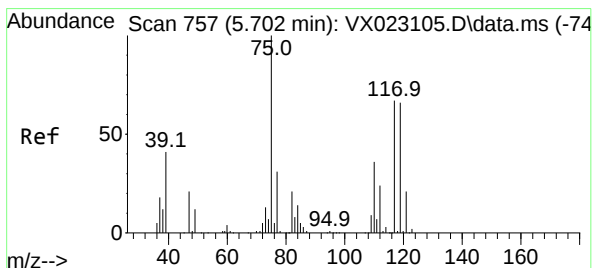
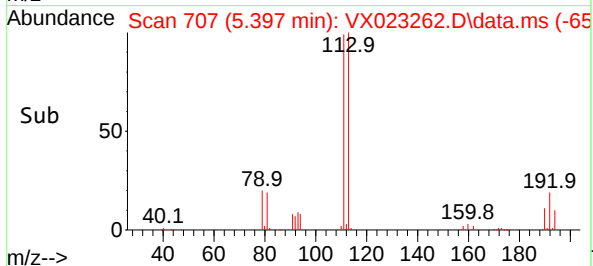
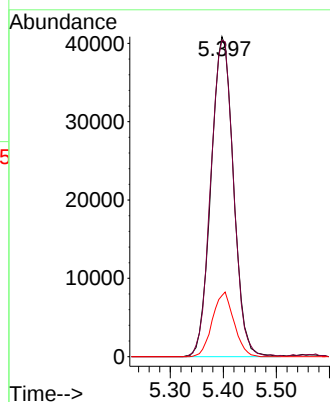
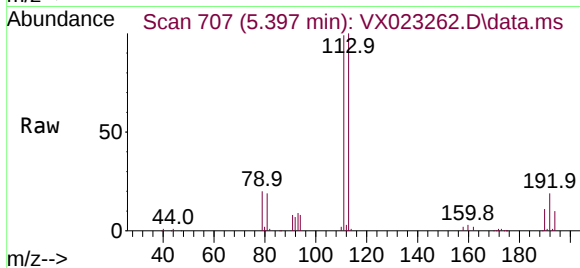
Tgt Ion:113 Resp: 119991

Ion Ratio Lower Upper

113 100

111 99.9 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.262 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023262.D

Acq: 13 Jul 2021 14:29

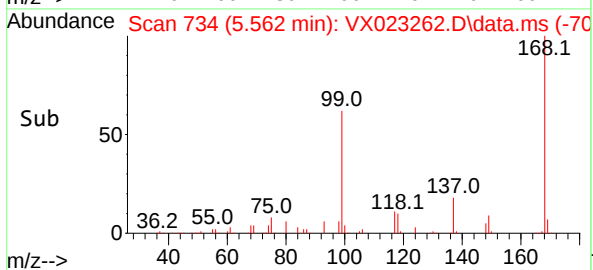
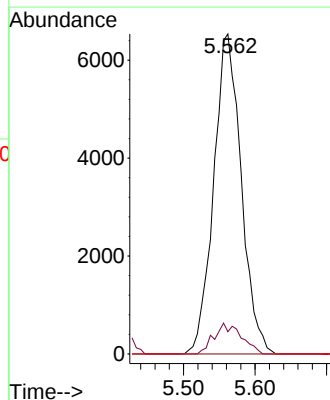
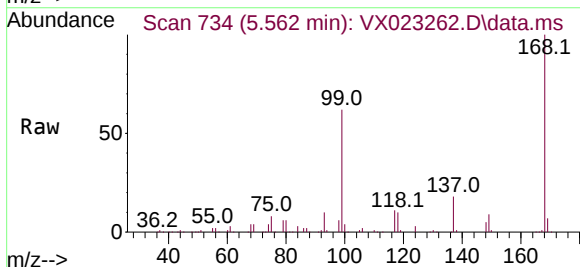
Tgt Ion: 75 Resp: 17483

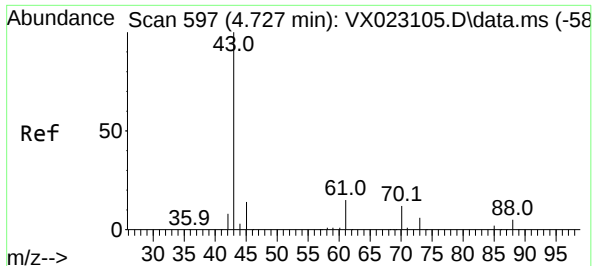
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

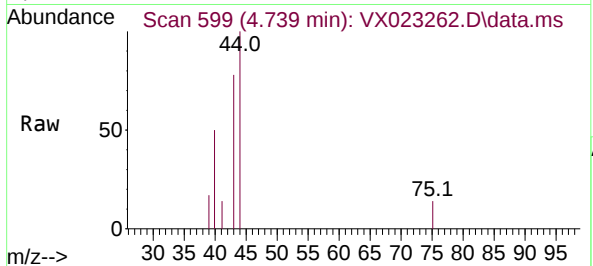
77 0.0 25.3 37.9#



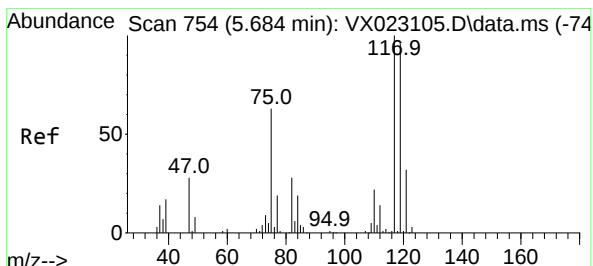
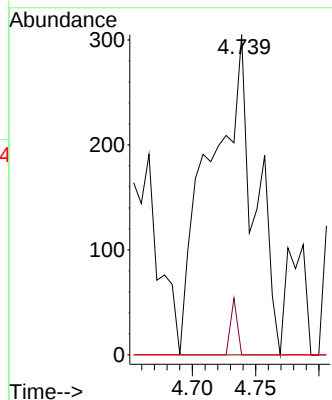
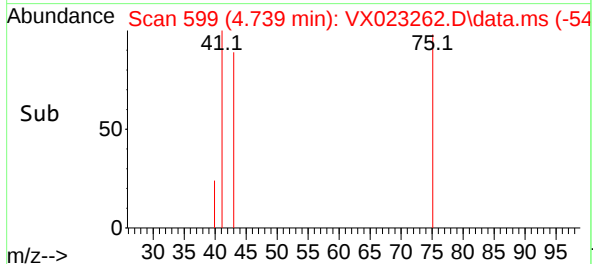


#37
Ethyl Acetate
Concen: 0.207 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

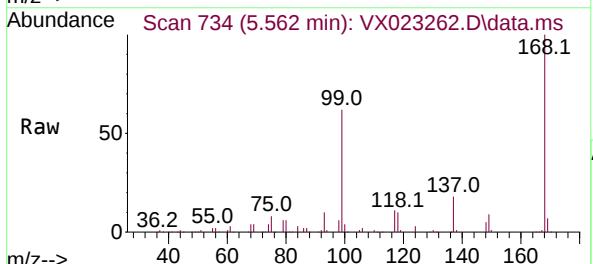
Instrument :
MSVOA_X
ClientSampled :



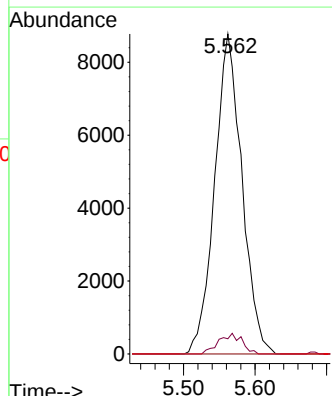
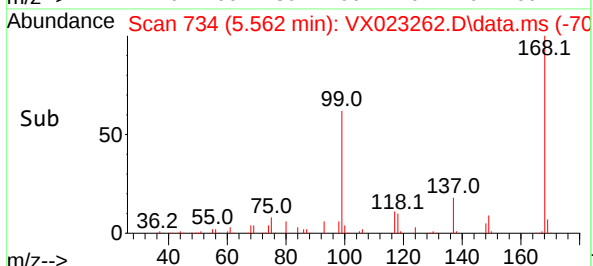
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
61 2.7 12.8 19.2#
70 0.0 10.5 15.7#

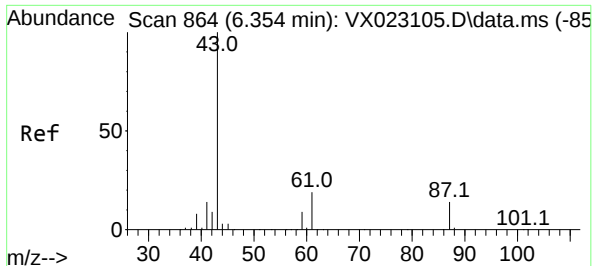


#38
Carbon Tetrachloride
Concen: 6.701 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29



Tgt Ion: 117 Resp: 23238
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

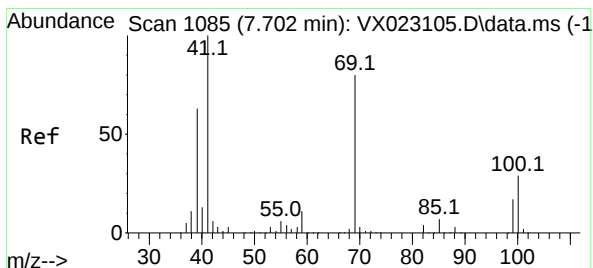
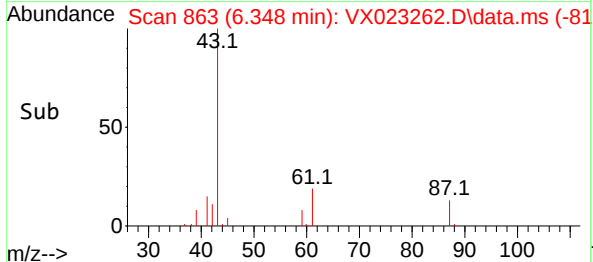
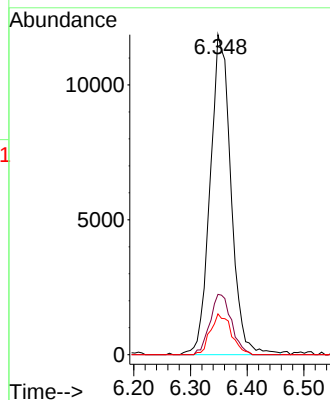
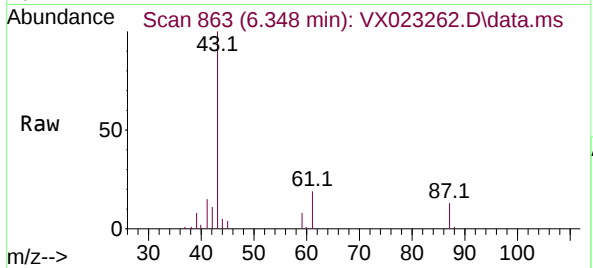




#43
Isopropyl Acetate
Concen: 5.022 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

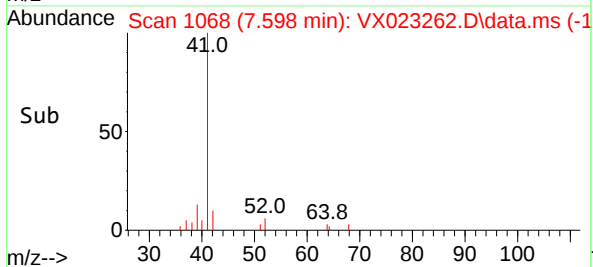
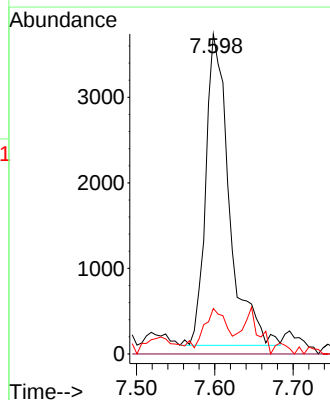
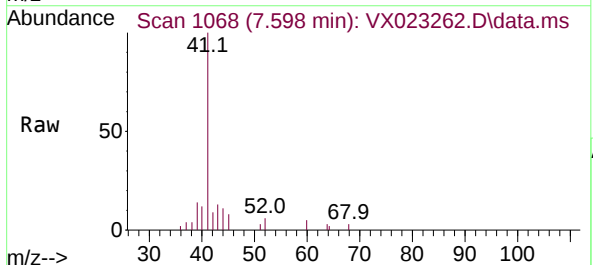
Instrument :
MSVOA_X
ClientSampleId :

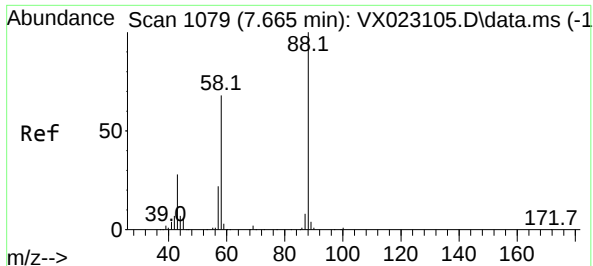
Tgt Ion:	43	Resp:	30279
Ion	Ratio	Lower	Upper
43	100		
61	19.3	18.2	27.4
87	12.8	12.5	18.7



#48
Methyl methacrylate
Concen: 2.573 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion:	41	Resp:	7612
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 4.581 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.146 min

Lab File: VX023262.D

Acq: 13 Jul 2021 14:29

Tgt Ion: 88 Resp: 305

Ion Ratio Lower Upper

88 100

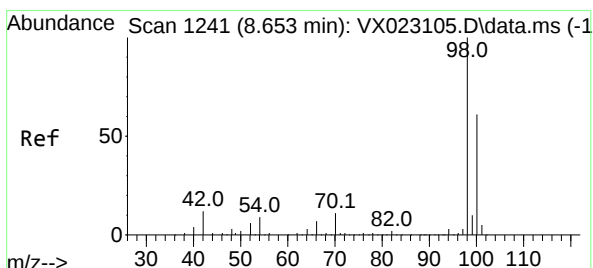
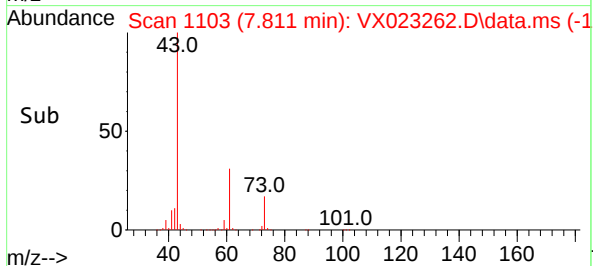
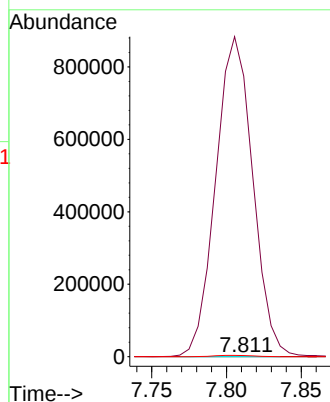
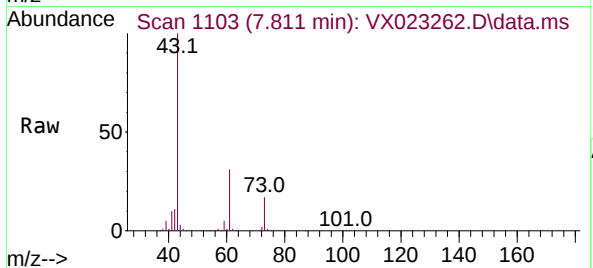
43 502046.2 23.2 34.8#

58 2202.0 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 49.158 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023262.D

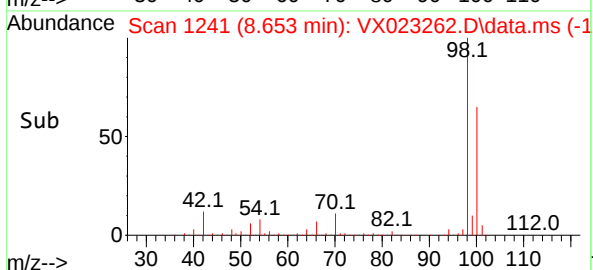
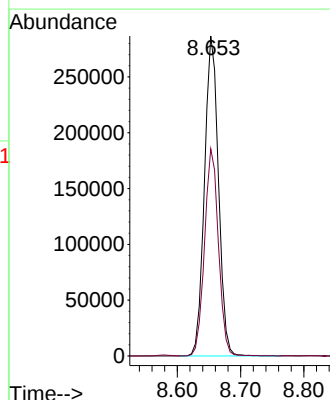
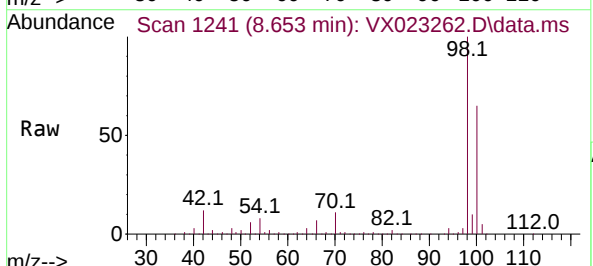
Acq: 13 Jul 2021 14:29

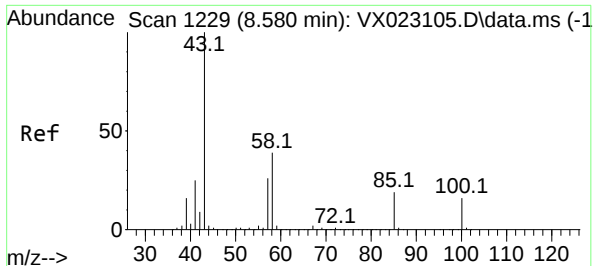
Tgt Ion: 98 Resp: 441322

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9

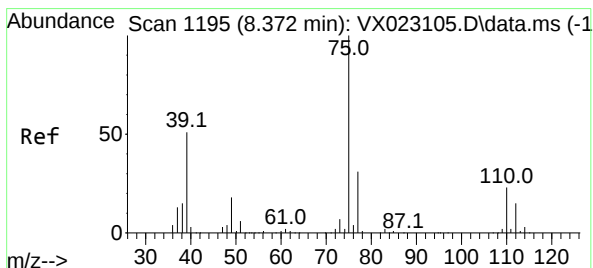
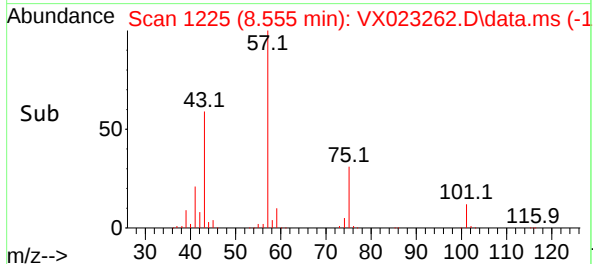
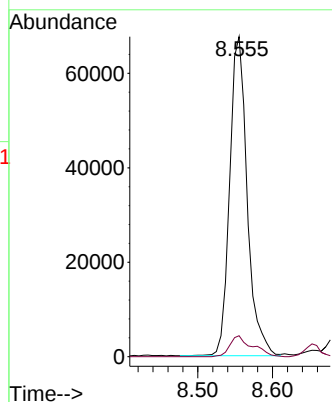
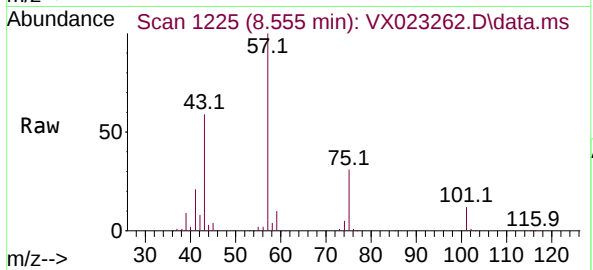




#51
4-Methyl-2-Pentanone
Concen: 29.552 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

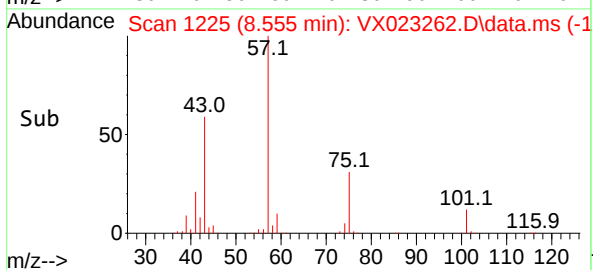
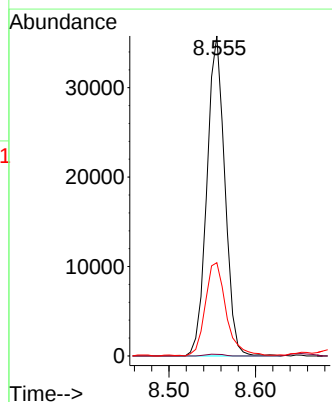
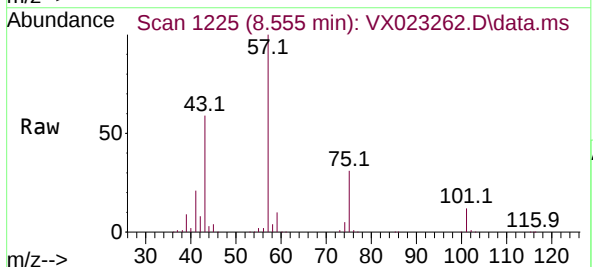
Instrument :
MSVOA_X
ClientSampled :

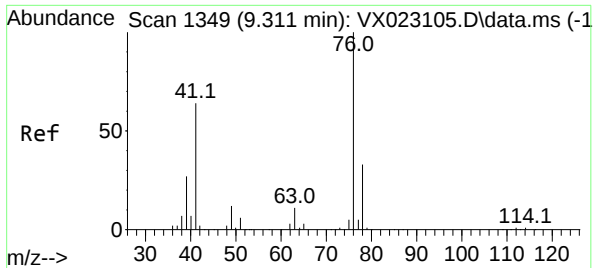
Tgt Ion: 43 Resp: 110399
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.561 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 75 Resp: 51453
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 28.9 35.1 52.7#

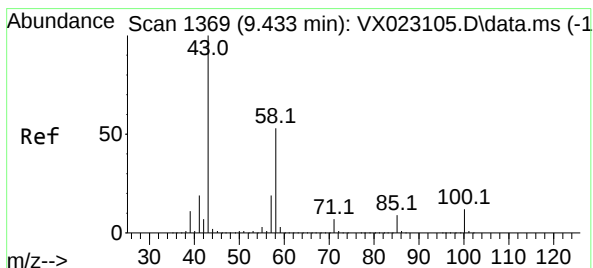
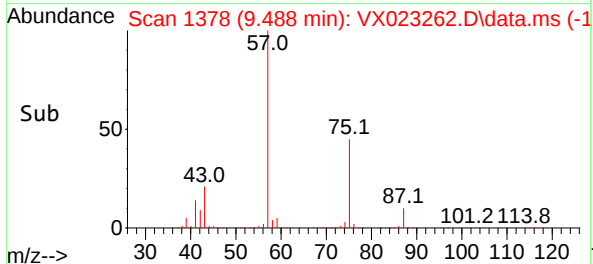
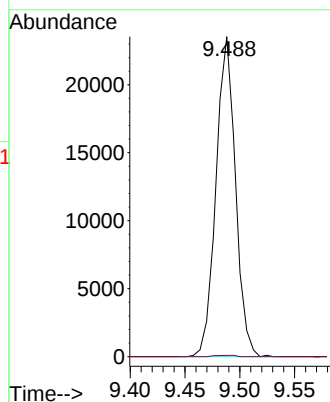
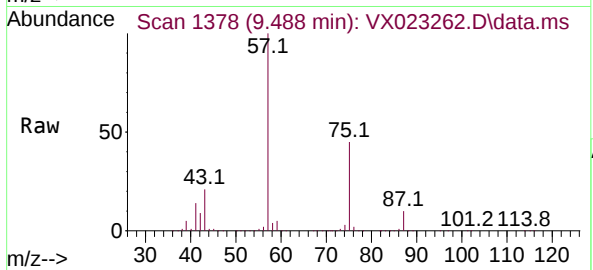




#57
1,3-Dichloropropane
Concen: 6.720 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

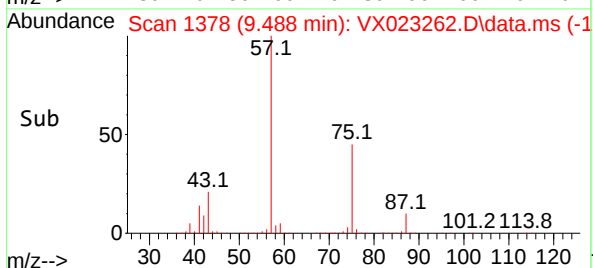
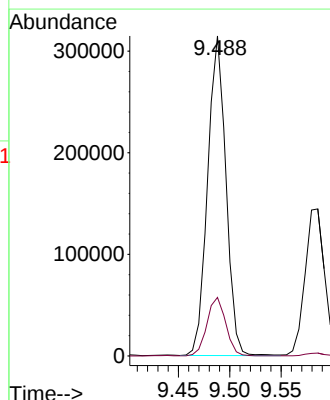
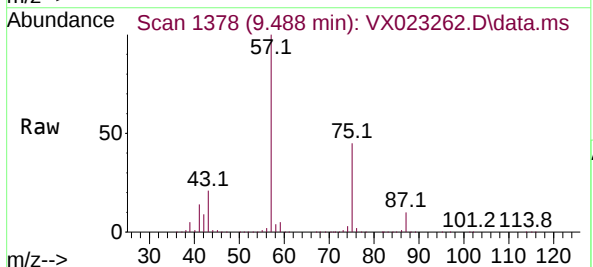
Instrument :
MSVOA_X
ClientSampled :

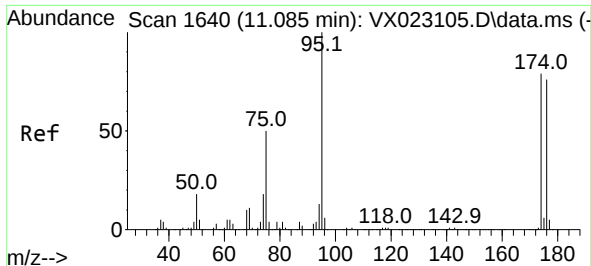
Tgt Ion: 76 Resp: 29120
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 136.259 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 43 Resp: 390566
Ion Ratio Lower Upper
43 100
58 18.8 30.9 92.8#

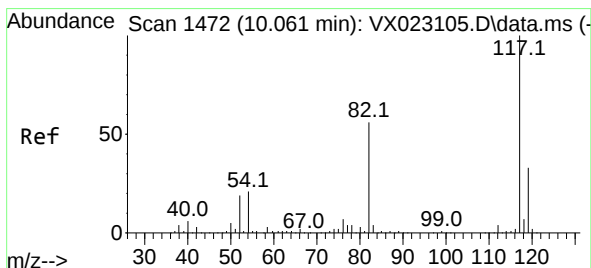
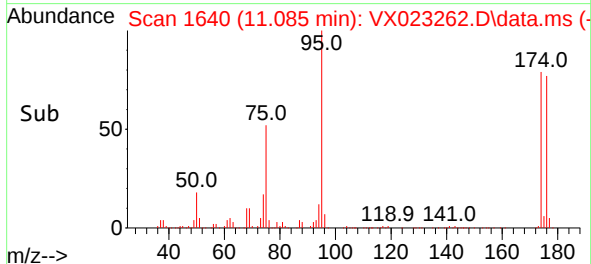
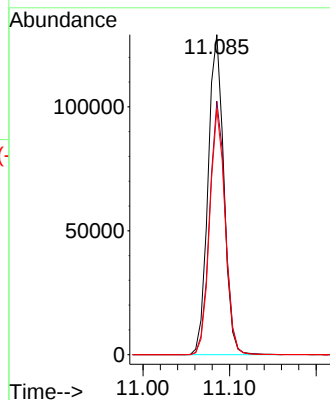
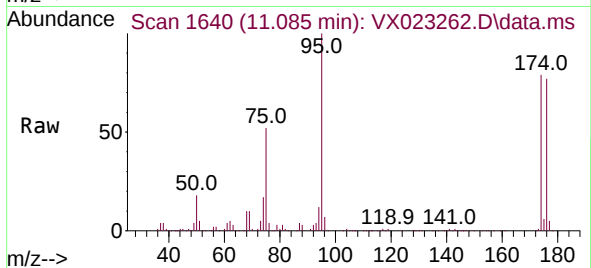




#62
4-Bromofluorobenzene
Concen: 47.002 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

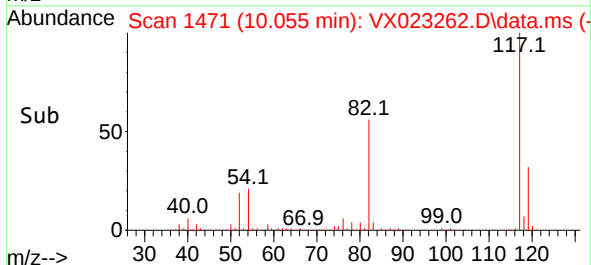
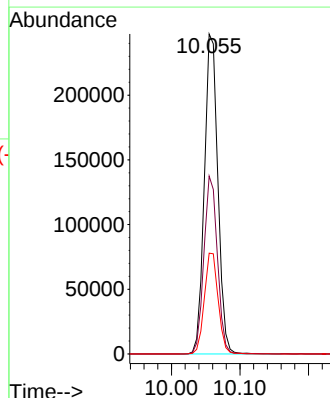
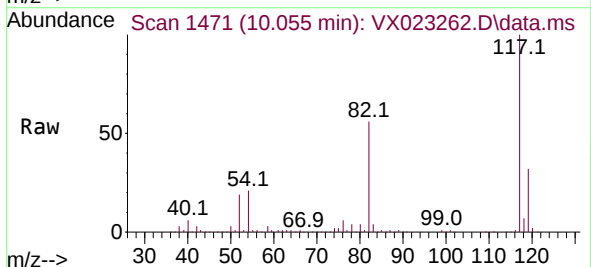
Instrument :
MSVOA_X
ClientSampleId :

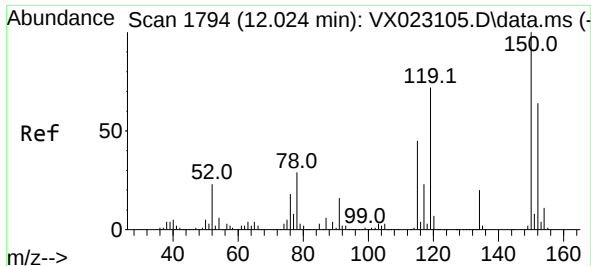
Tgt Ion: 95 Resp: 162903
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 75.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 117 Resp: 340031
Ion Ratio Lower Upper
117 100
82 55.6 47.4 71.2
119 31.5 26.6 39.8

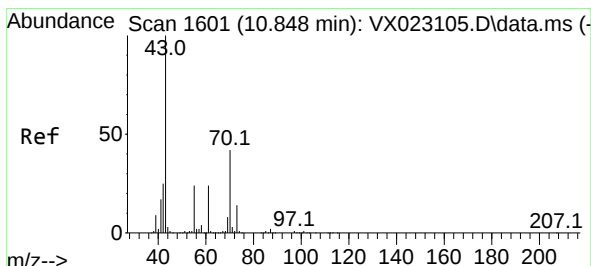
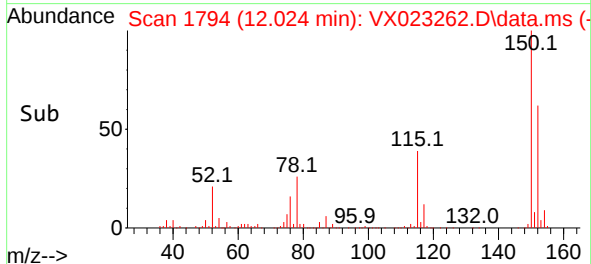
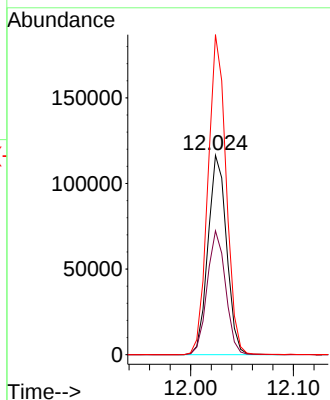
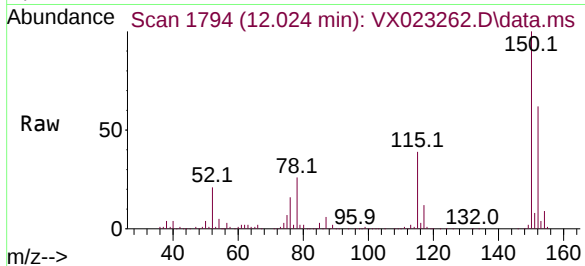




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

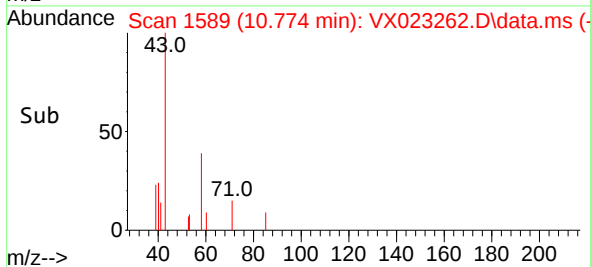
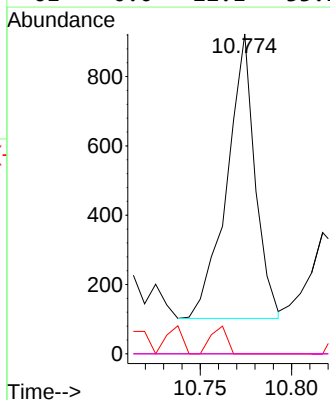
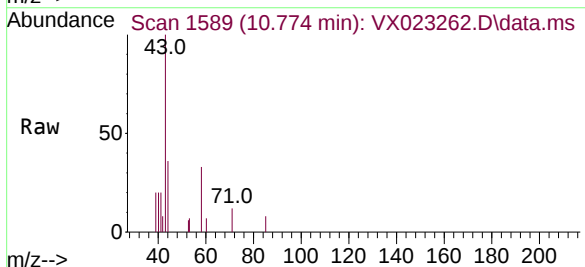
Instrument :
MSVOA_X
ClientSampleId :

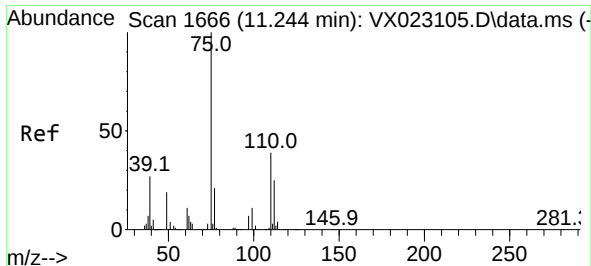
Tgt Ion:152 Resp: 145912
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 156.9 0.0 349.0



#74
N-ethyl acetate
Concen: 0.202 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 5.6 21.5 32.3#
61 0.0 22.1 33.1#

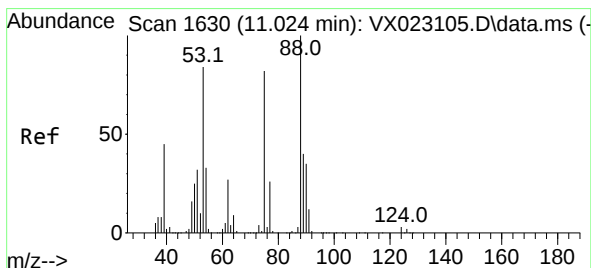
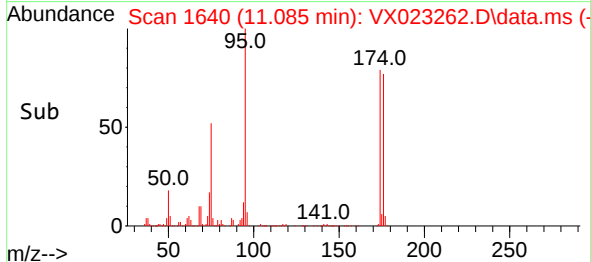
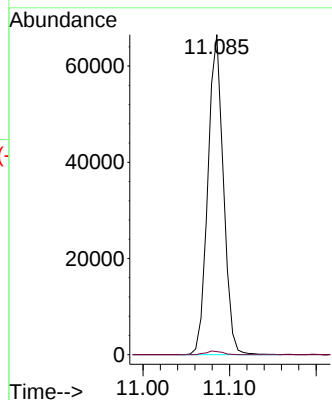
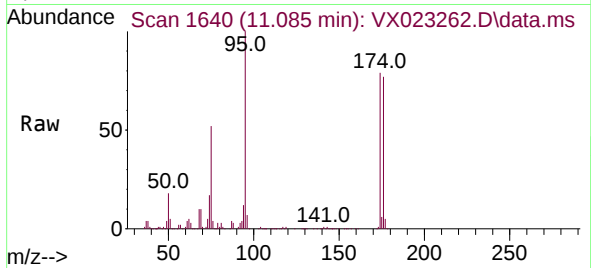




#76
1,2,3-Trichloropropane
Concen: 28.186 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

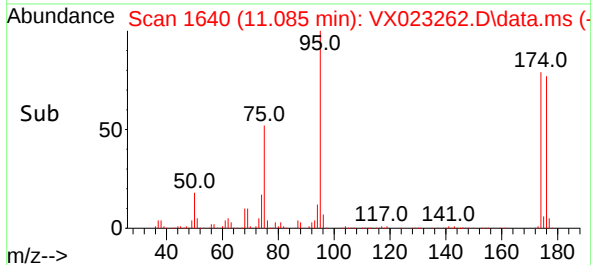
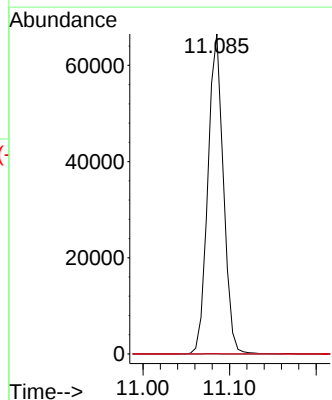
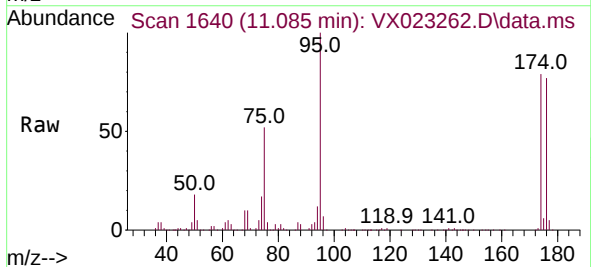
Instrument :
MSVOA_X
ClientSampled :

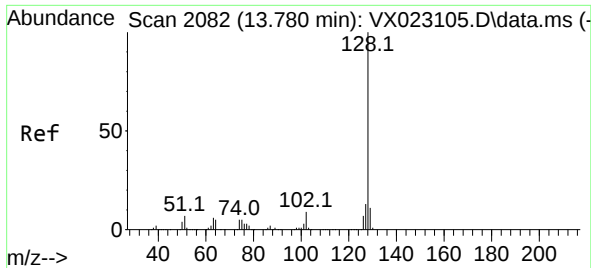
Tgt Ion: 75 Resp: 82760
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.967 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

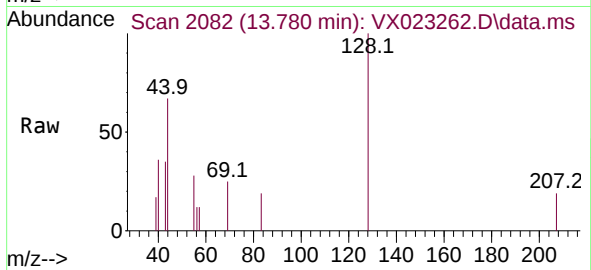
Tgt Ion: 75 Resp: 82760
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.316 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023262.D
Acq: 13 Jul 2021 14:29

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	452
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

