

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023301.D
 Acq On : 15 Jul 2021 16:01
 Operator : JC/MD
 Sample : PB137670TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 16 03:52:20 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)

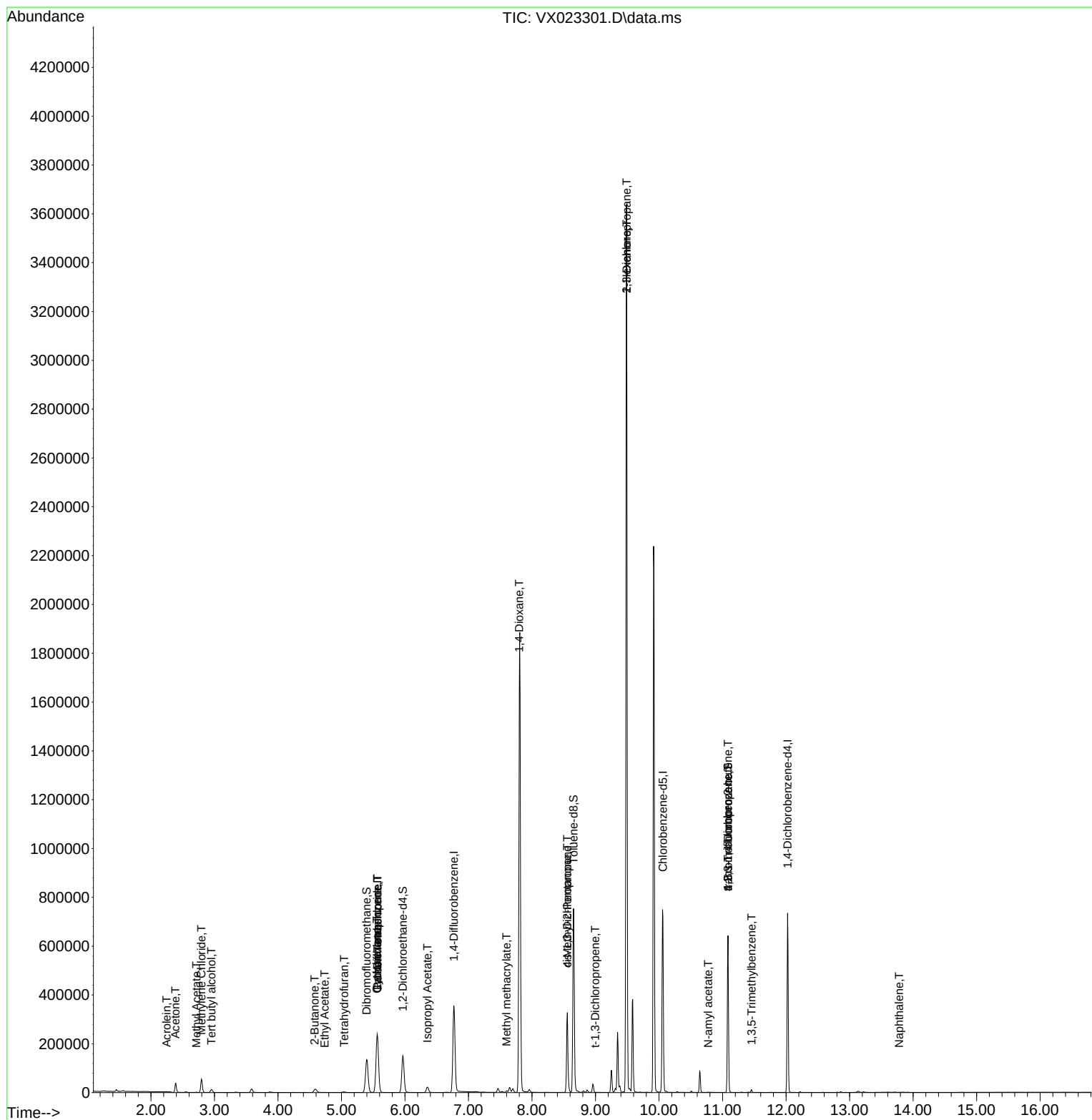
Internal Standards						
1) Pentafluorobenzene	5.562	168	222170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	360649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	343047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152232	50.983	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.960%			
35) Dibromofluoromethane	5.397	113	116214	49.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	8.653	98	445829	51.319	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.085	95	165216	49.262	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.520%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	346	Below Cal	#	44
11) Tert butyl alcohol	2.952	59	7476	11.901	ug/l #	77
13) Acrolein	2.245	56	224	0.536	ug/l #	1
16) Acetone	2.385	43	39529	33.461	ug/l	90
18) Methyl Acetate	2.715	43	1586	0.553	ug/l	96
20) Methylene Chloride	2.794	84	24813	9.756	ug/l	88
25) 2-Butanone	4.574	43	7279	4.086	ug/l	98
29) Tetrahydrofuran	5.043	42	2749	2.401	ug/l #	83
31) Cyclohexane	5.556	56	4830	1.351	ug/l #	11
36) 1,1-Dichloropropene	5.562	75	17317	5.386	ug/l #	50
37) Ethyl Acetate	4.733	43	776	0.221	ug/l #	64
38) Carbon Tetrachloride	5.568	117	23318	6.948	ug/l #	17
43) Isopropyl Acetate	6.354	43	30358	5.204	ug/l	94
48) Methyl methacrylate	7.598	41	8469	2.959	ug/l #	10
49) 1,4-Dioxane	7.799	88	351	5.448	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	113142	31.298	ug/l #	45
53) t-1,3-Dichloropropene	8.994	75	22	2.742	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	50769	13.785	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	30615	7.301	ug/l #	43
59) 2-Hexanone	9.488	43	417255	150.433	ug/l #	43
74) N-amyl acetate	10.774	43	951	0.216	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	85006	28.683	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	5242	0.587	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	85006	77.223	ug/l #	12
95) Naphthalene	13.780	128	335	1.305	ug/l #	69

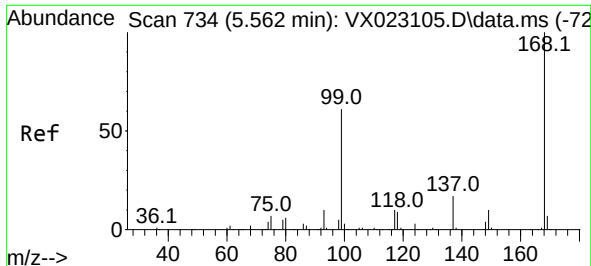
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
Data File : VX023301.D
Acq On : 15 Jul 2021 16:01
Operator : JC/MD
Sample : PB137670TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 16 03:52:20 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

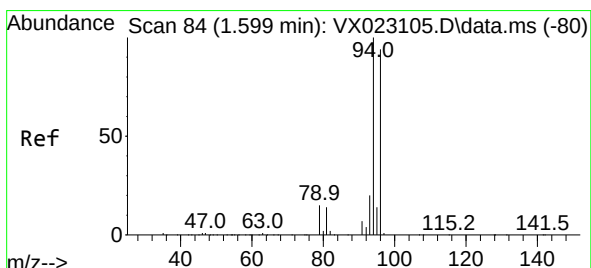
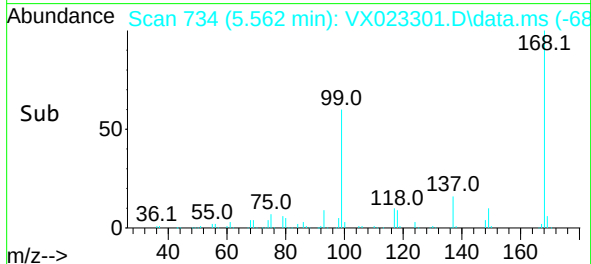
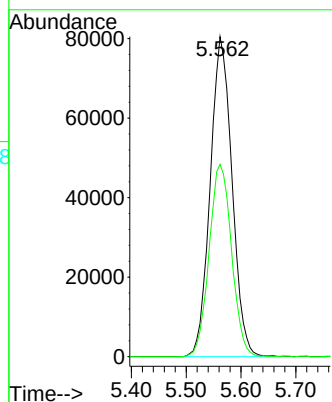
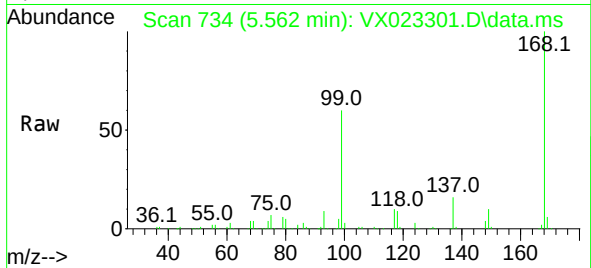




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

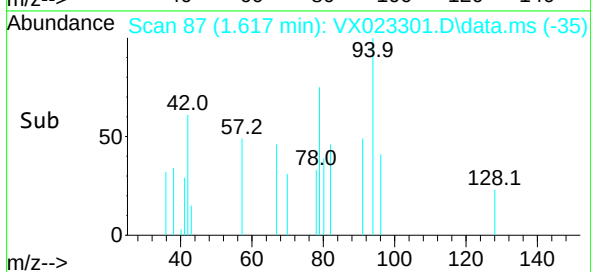
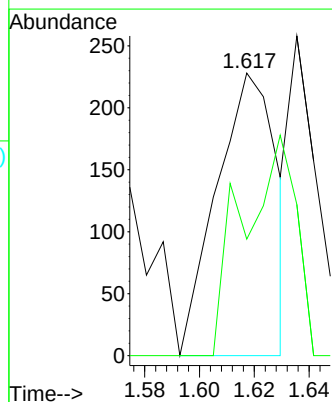
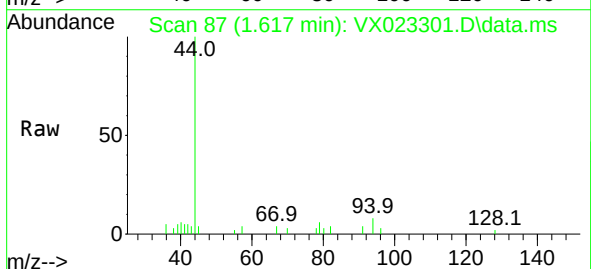
Instrument :
MSVOA_X
ClientSampleId :

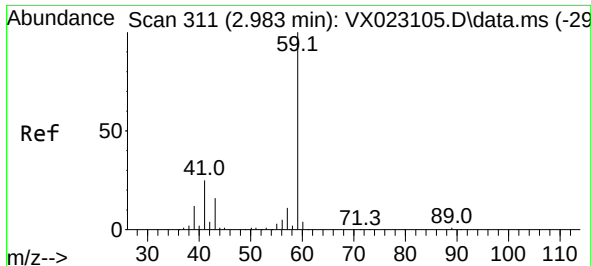
Tgt Ion:168 Resp: 222170
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 41.2 76.4 114.6#

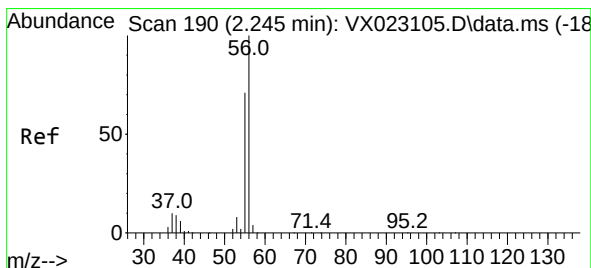
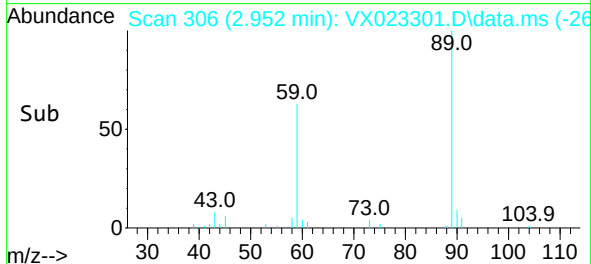
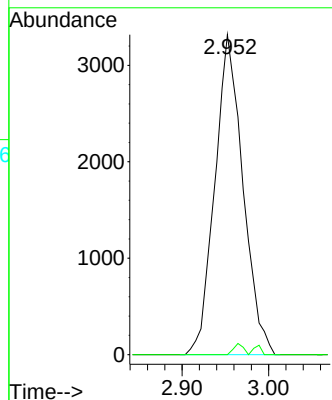
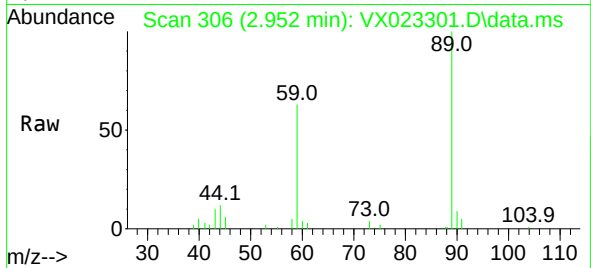




#11
Tert butyl alcohol
Concen: 11.901 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

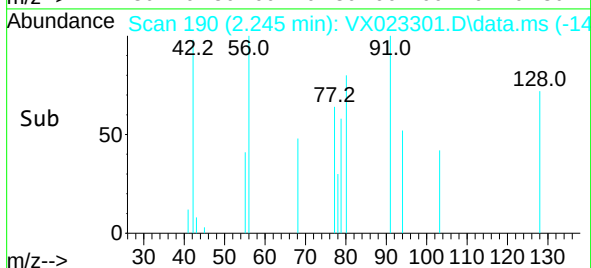
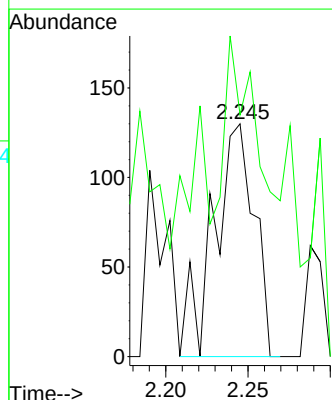
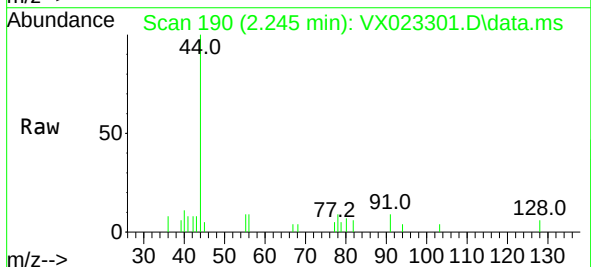
Instrument :
MSVOA_X
ClientSampled :

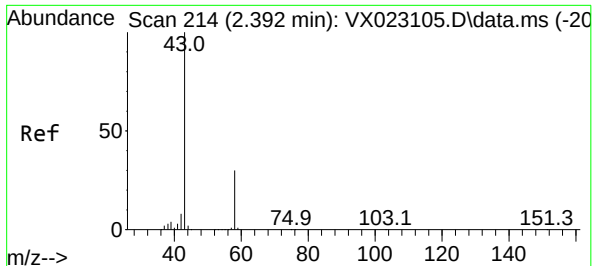
Tgt Ion: 59 Resp: 7476
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#



#13
Acrolein
Concen: 0.536 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 176.3 56.4 84.6#

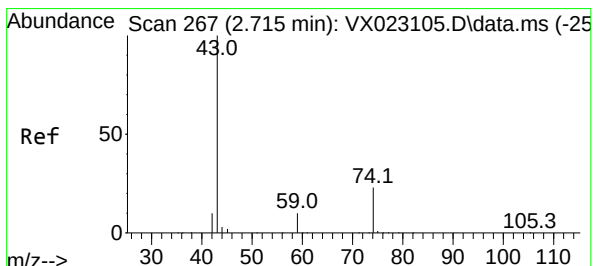
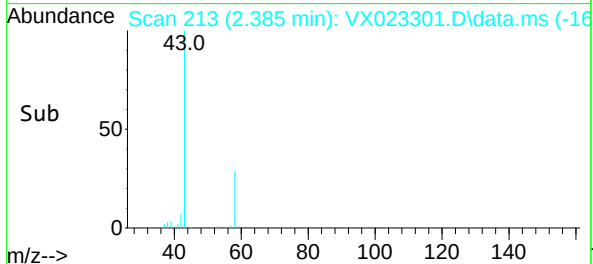
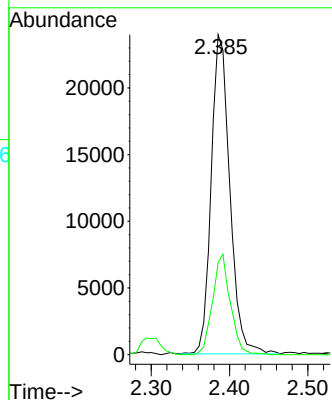
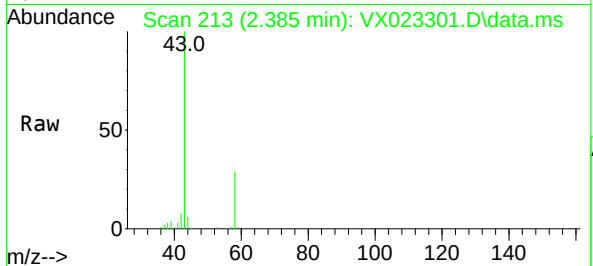




#16
Acetone
Concen: 33.461 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

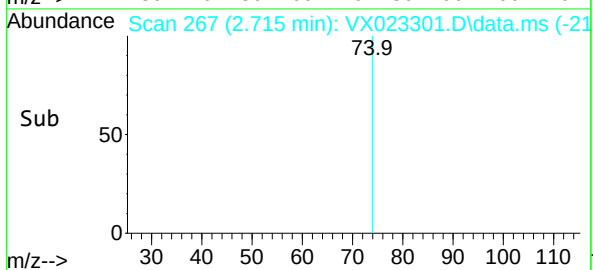
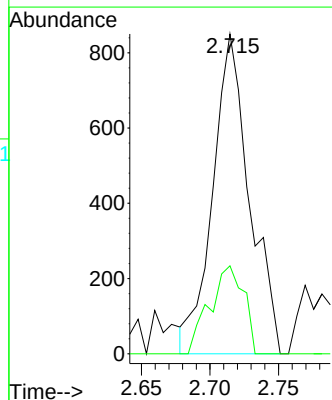
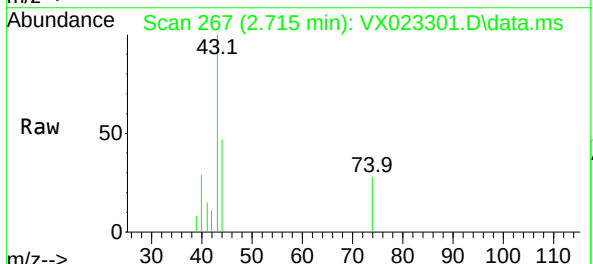
Instrument :
MSVOA_X
ClientSampled :

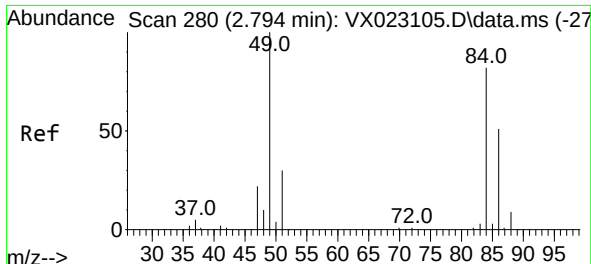
Tgt Ion: 43 Resp: 39529
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.553 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

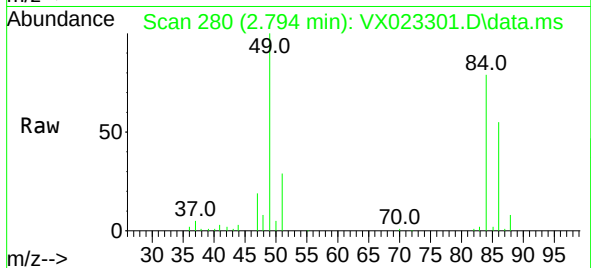
Tgt Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
74 25.4 21.9 32.9



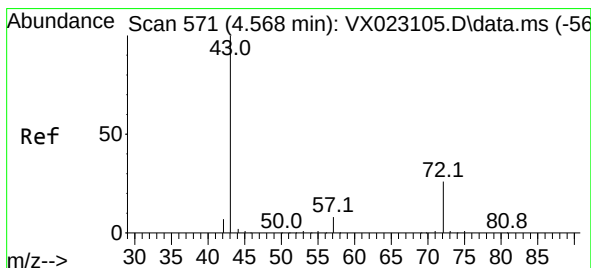
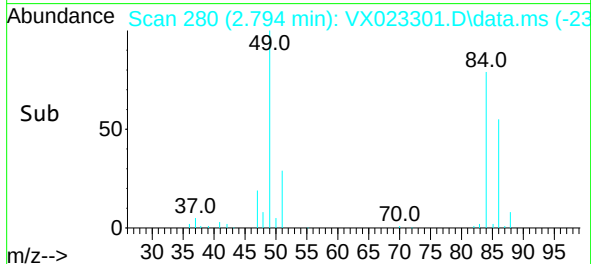
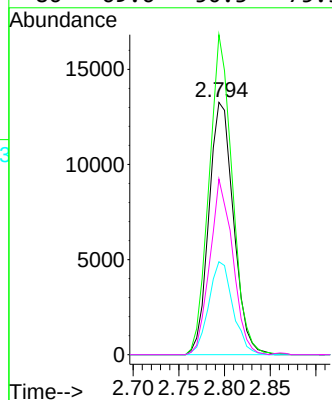


#20
Methylene Chloride
Concen: 9.756 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Instrument :
MSVOA_X
ClientSampleId :

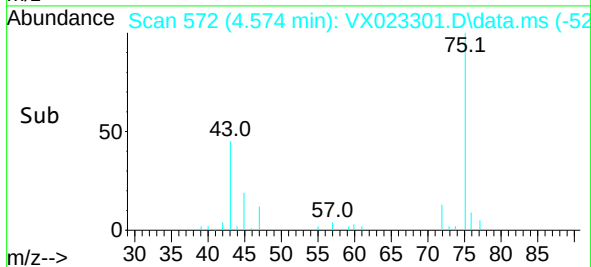
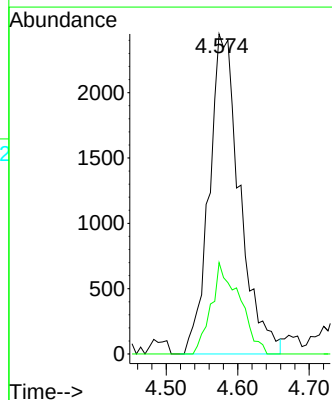
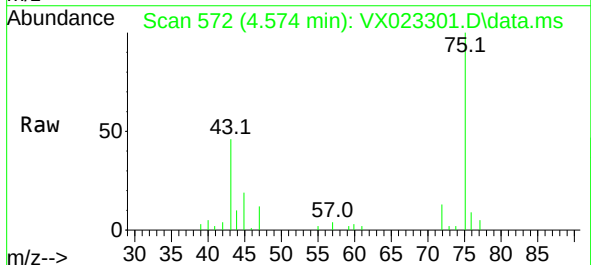


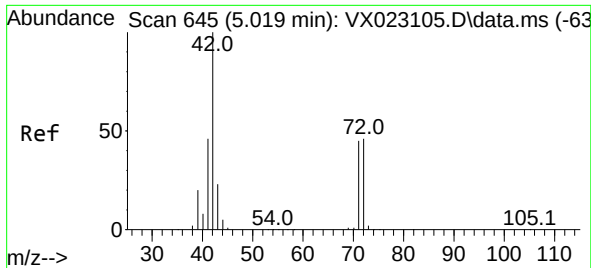
Tgt Ion:	84	Resp:	24813
Ion	Ratio	Lower	Upper
84	100		
49	126.8	88.6	132.8
51	36.8	27.0	40.6
86	69.6	50.3	75.5



#25
2-Butanone
Concen: 4.086 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion:	43	Resp:	7279
Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 2.401 ug/l

RT: 5.043 min Scan# 649

Delta R.T. 0.024 min

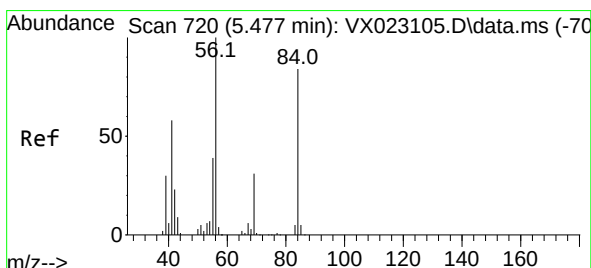
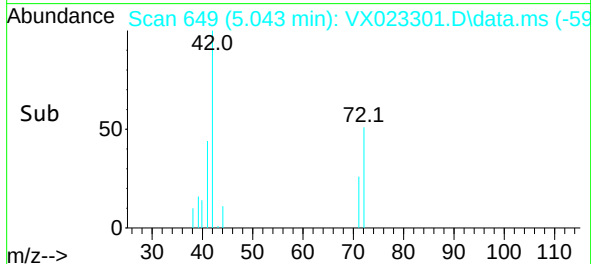
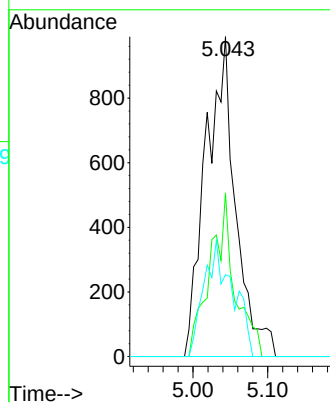
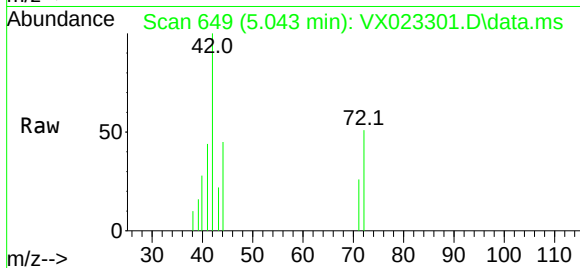
Lab File: VX023301.D

Acq: 15 Jul 2021 16:01

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42 Resp: 2749

Ion	Ratio	Lower	Upper
42	100		
72	42.3	41.7	62.5
71	34.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.351 ug/l

RT: 5.556 min Scan# 733

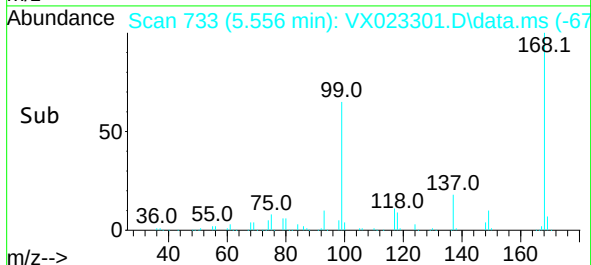
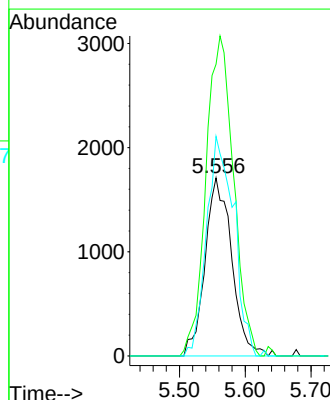
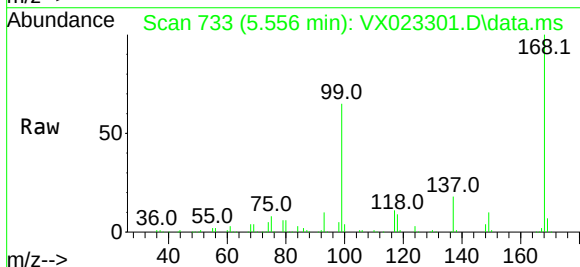
Delta R.T. 0.079 min

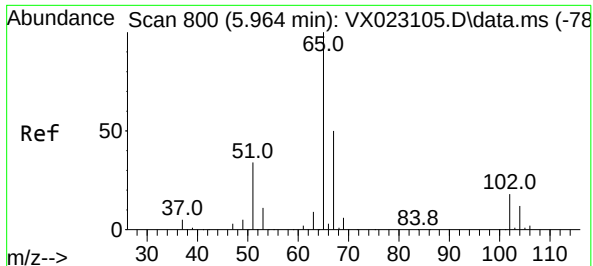
Lab File: VX023301.D

Acq: 15 Jul 2021 16:01

Tgt Ion: 56 Resp: 4830

Ion	Ratio	Lower	Upper
56	100		
69	163.7	25.3	37.9#
84	123.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.983 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023301.D

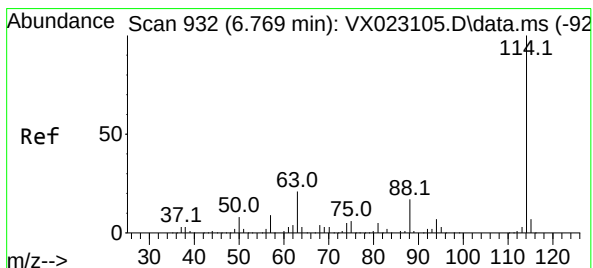
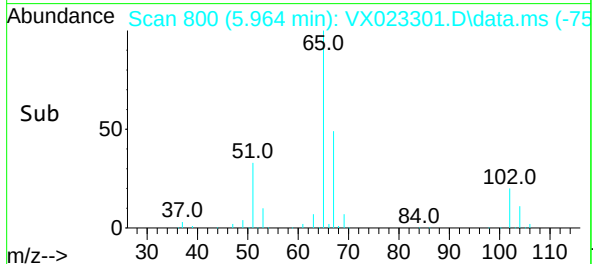
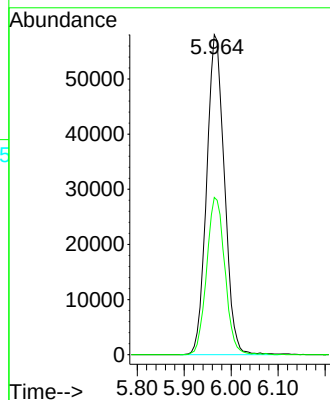
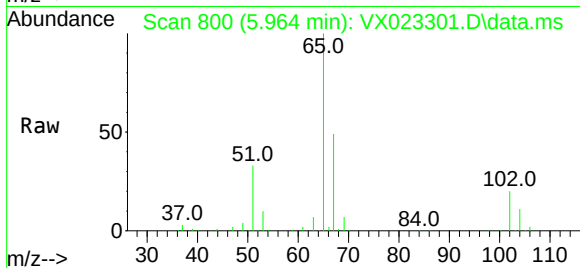
Acq: 15 Jul 2021 16:01

Tgt Ion: 65 Resp: 152232

Ion Ratio Lower Upper

65 100

67 50.4 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: VX023301.D

Acq: 15 Jul 2021 16:01

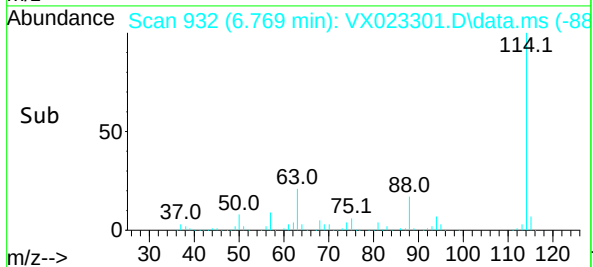
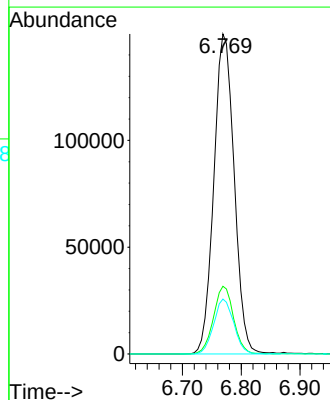
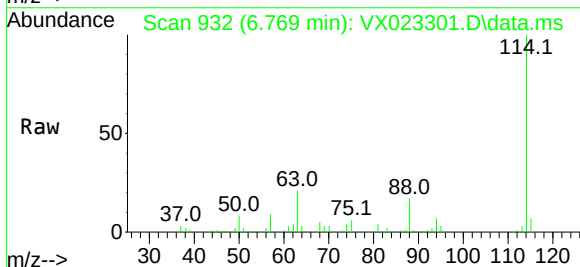
Tgt Ion: 114 Resp: 360649

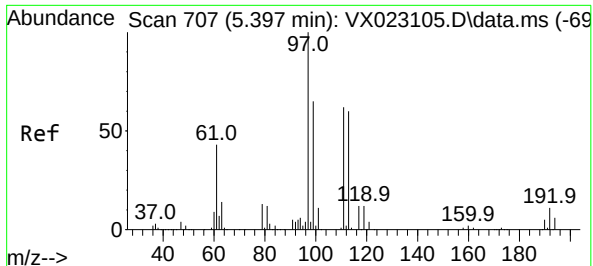
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 17.1 0.0 32.8

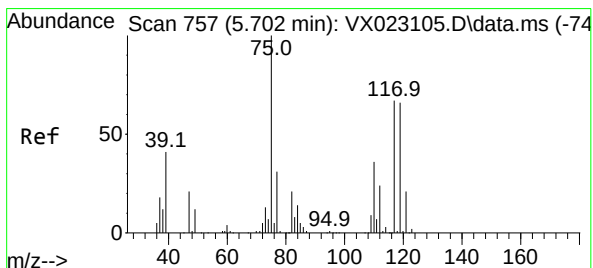
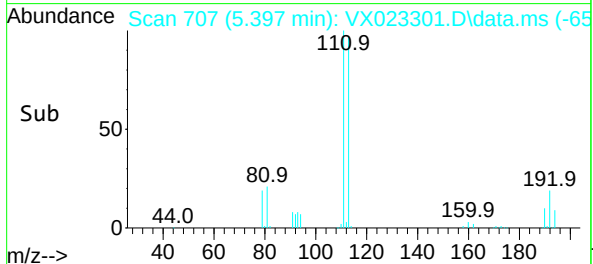
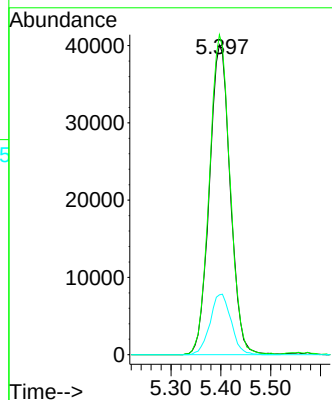
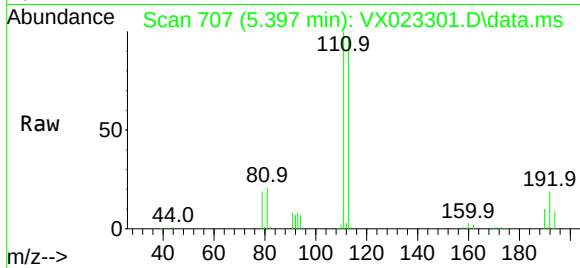




#35
Dibromofluoromethane
Concen: 49.900 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

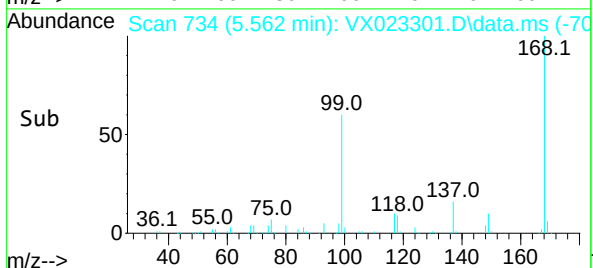
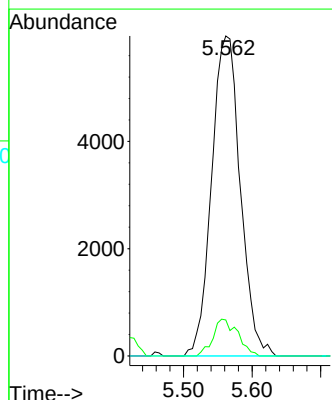
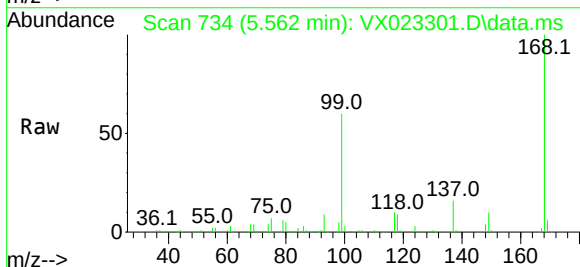
Instrument :
MSVOA_X
ClientSampleId :

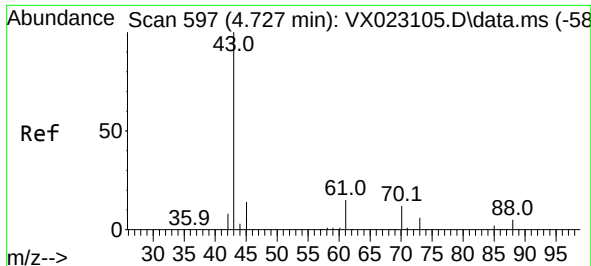
Tgt Ion:113 Resp: 116214
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.386 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 75 Resp: 17317
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#

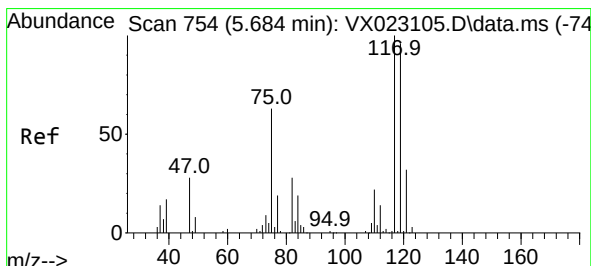
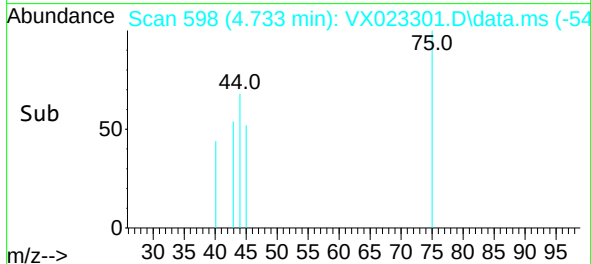
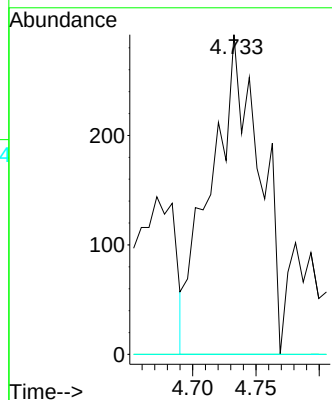
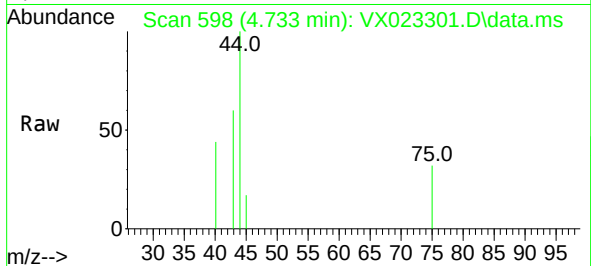




#37
Ethyl Acetate
Concen: 0.221 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

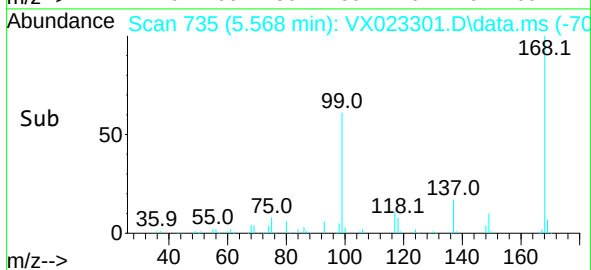
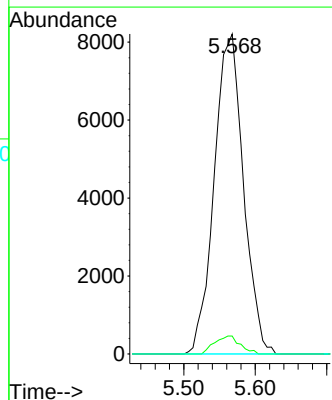
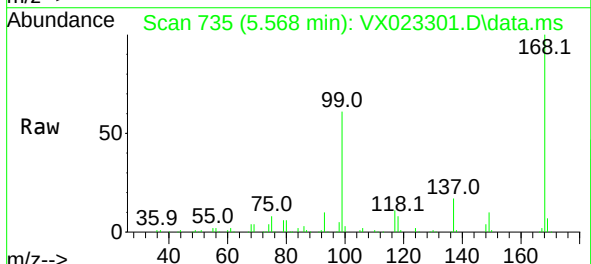
Instrument :
MSVOA_X
ClientSampled :

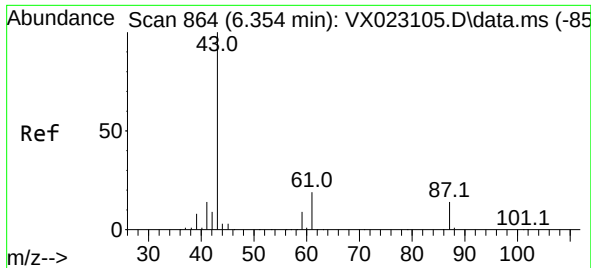
Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.948 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 117 Resp: 23318
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

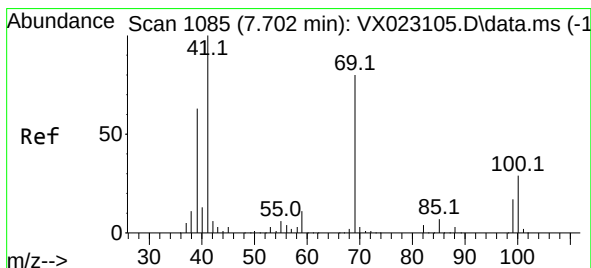
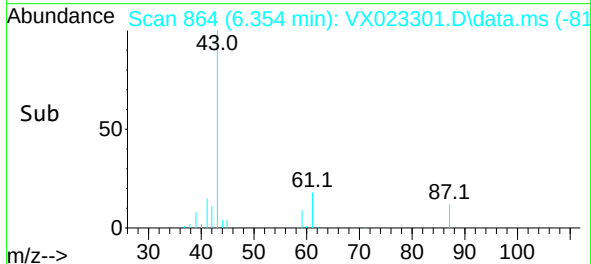
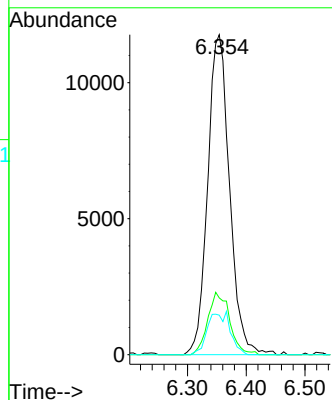
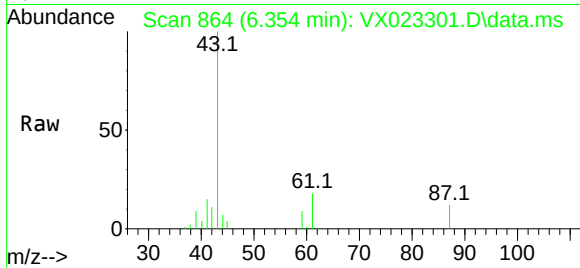




#43
Isopropyl Acetate
Concen: 5.204 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

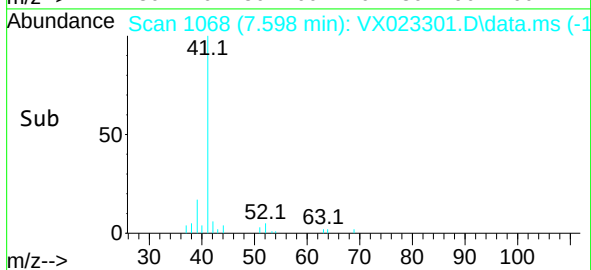
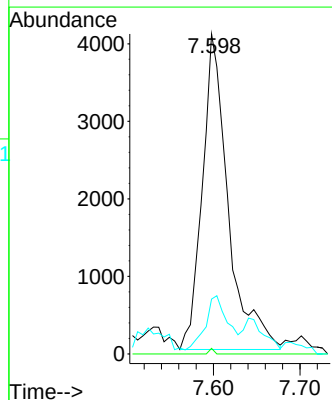
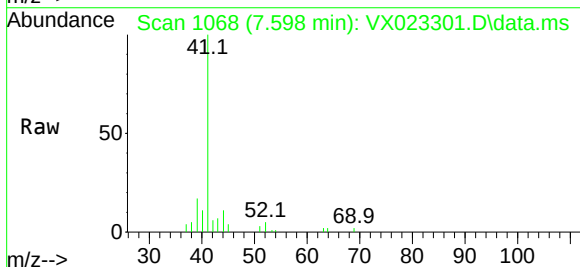
Instrument :
MSVOA_X
ClientSampled :

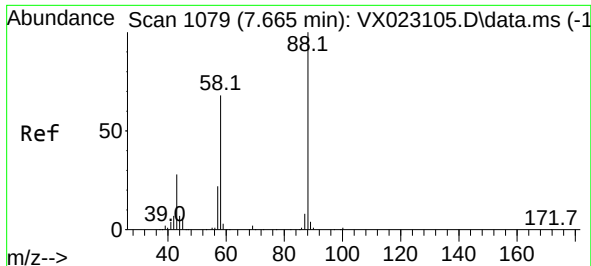
Tgt Ion: 43	Resp: 30358
Ion Ratio	Lower Upper
43 100	
61 19.6	18.2 27.4
87 13.8	12.5 18.7



#48
Methyl methacrylate
Concen: 2.959 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 41	Resp: 8469
Ion Ratio	Lower Upper
41 100	
69 0.3	76.0 114.0#
39 0.0	44.6 67.0#

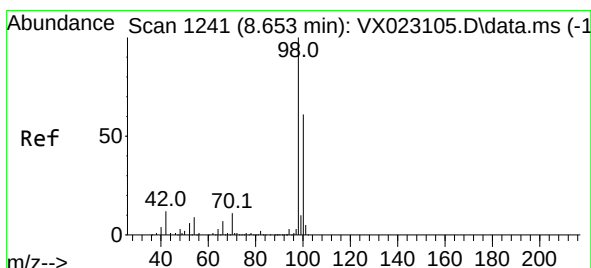
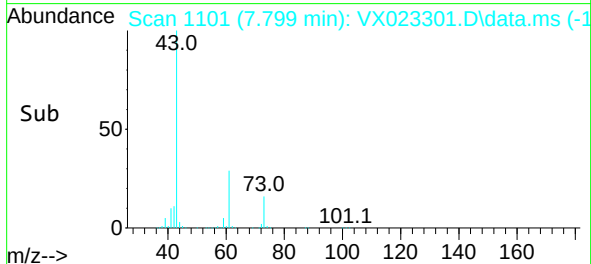
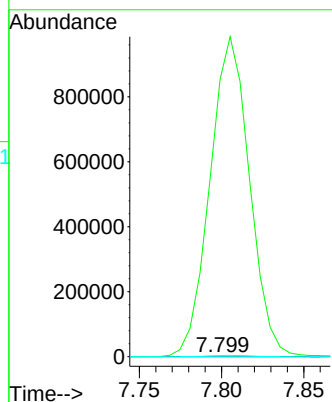
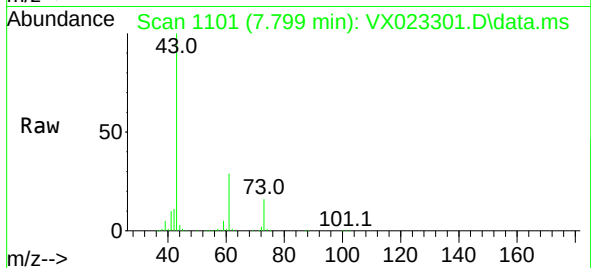




#49
1,4-Dioxane
Concen: 5.448 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

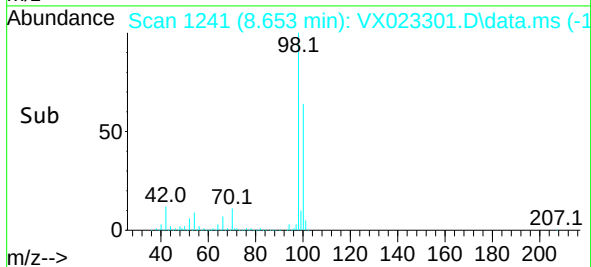
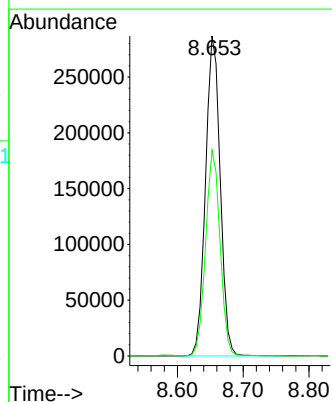
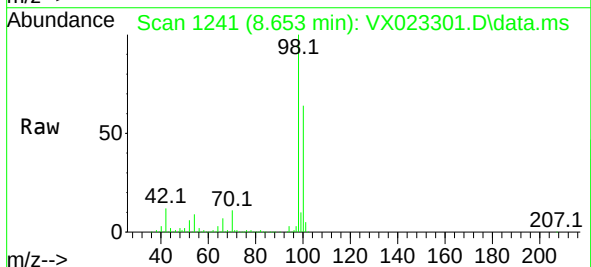
Instrument :
MSVOA_X
ClientSampleId :

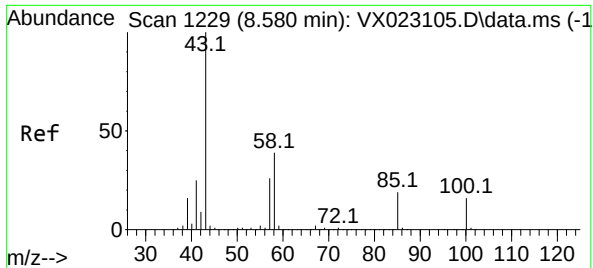
Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 472570.1 23.2 34.8#
58 2069.8 55.0 82.4#



#50
Toluene-d8
Concen: 51.319 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 98 Resp: 445829
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

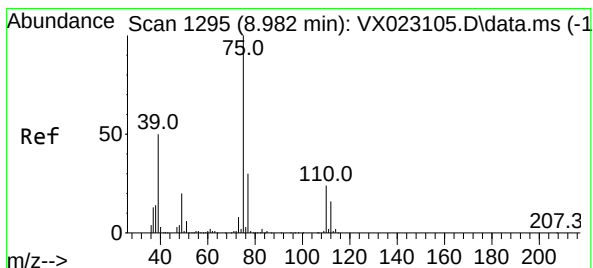
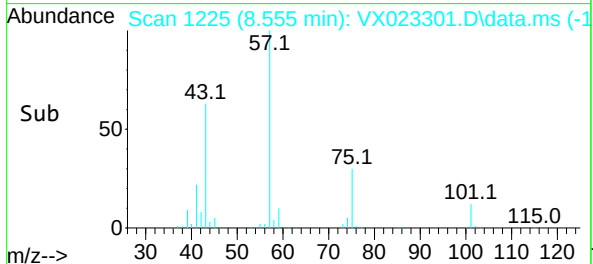
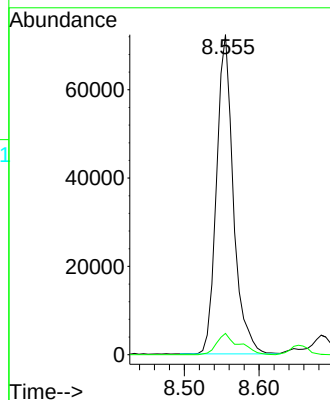
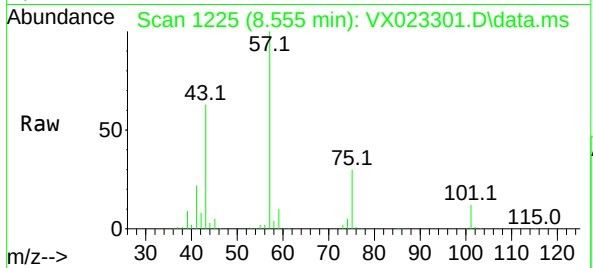




#51
4-Methyl-2-Pentanone
Concen: 31.298 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

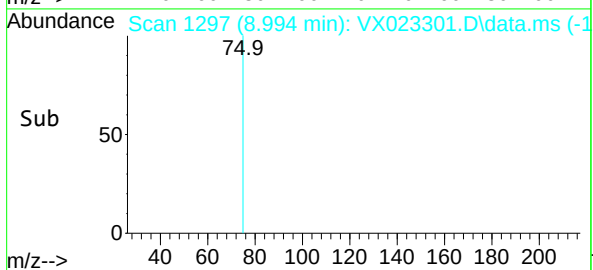
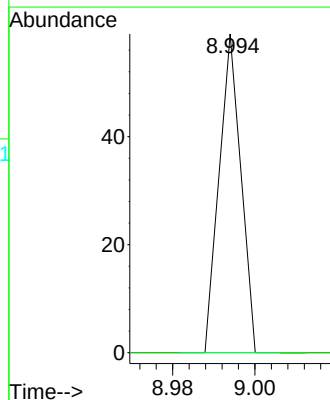
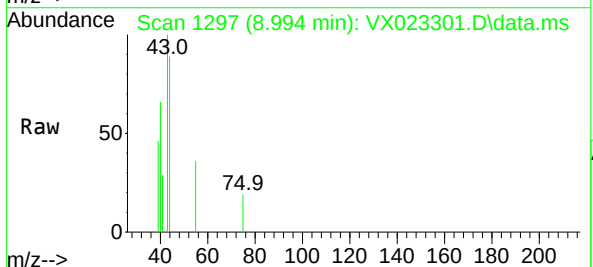
Instrument :
MSVOA_X
ClientSampled :

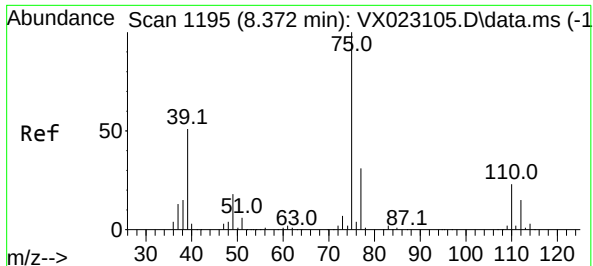
Tgt Ion: 43 Resp: 113142
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.742 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

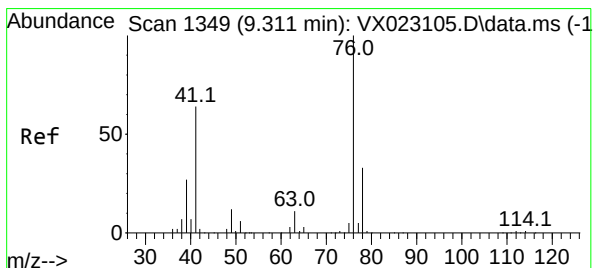
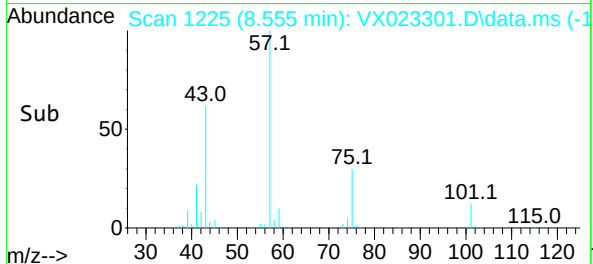
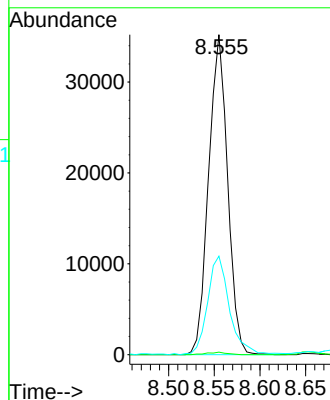
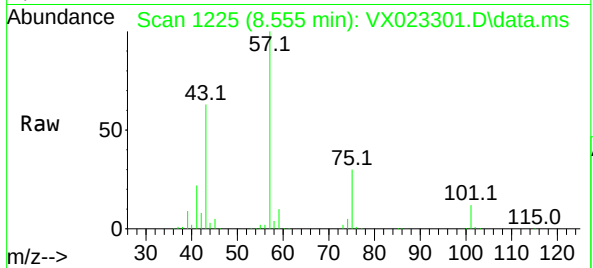




#54
 cis-1,3-Dichloropropene
 Concen: 13.785 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023301.D
 Acq: 15 Jul 2021 16:01

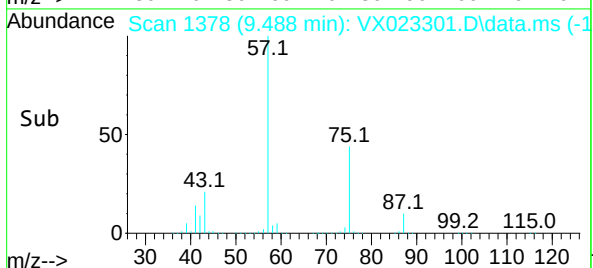
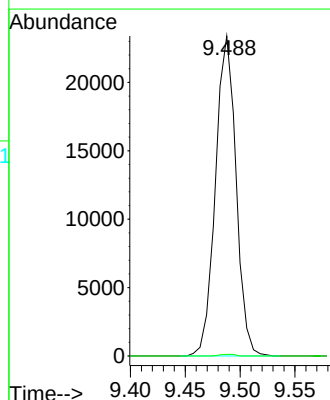
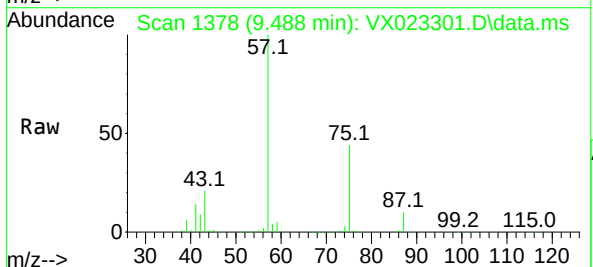
Instrument :
 MSVOA_X
 ClientSampled :

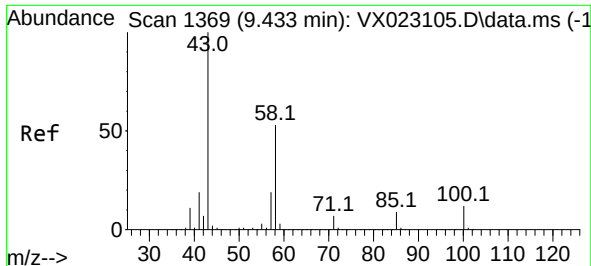
Tgt Ion: 75 Resp: 50769
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.7 38.5#
 39 30.8 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.301 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023301.D
 Acq: 15 Jul 2021 16:01

Tgt Ion: 76 Resp: 30615
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

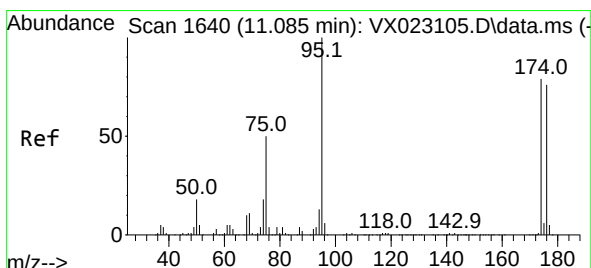
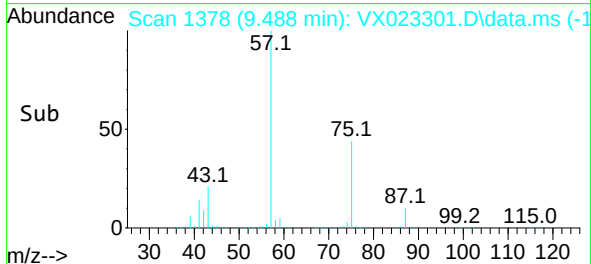
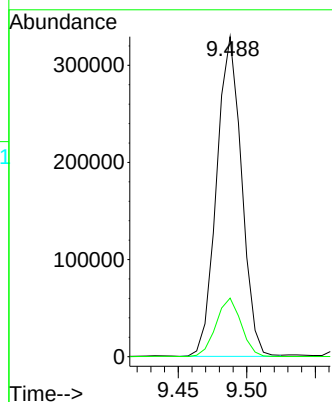
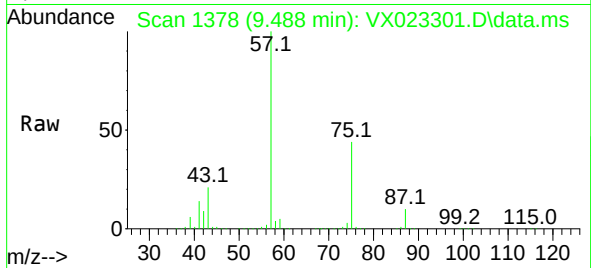




#59
2-Hexanone
Concen: 150.433 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

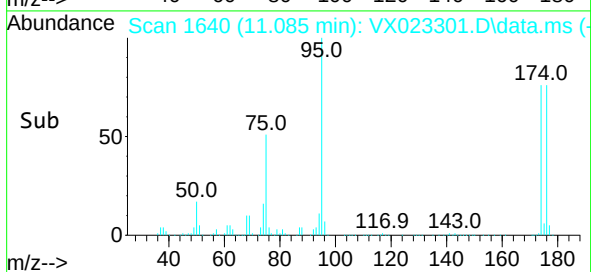
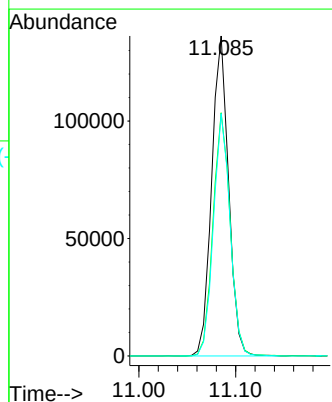
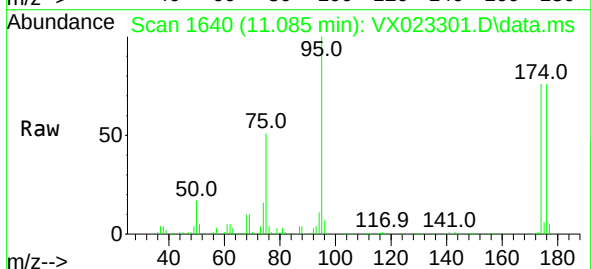
Instrument :
MSVOA_X
ClientSampled :

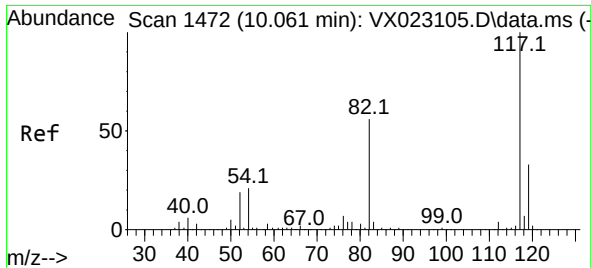
Tgt Ion: 43 Resp: 417255
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.262 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 95 Resp: 165216
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 74.7 0.0 155.8

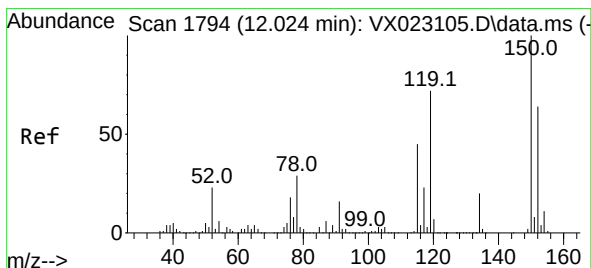
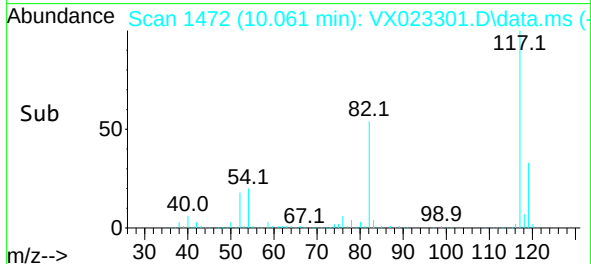
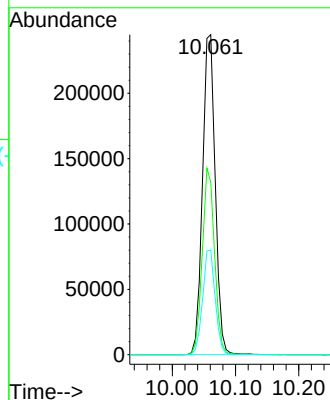
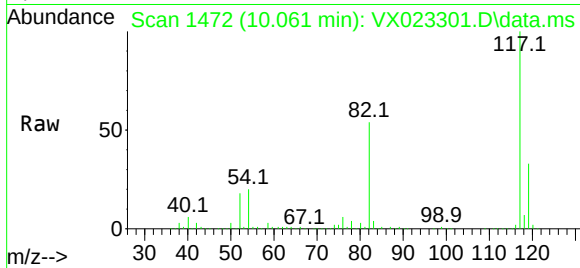




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

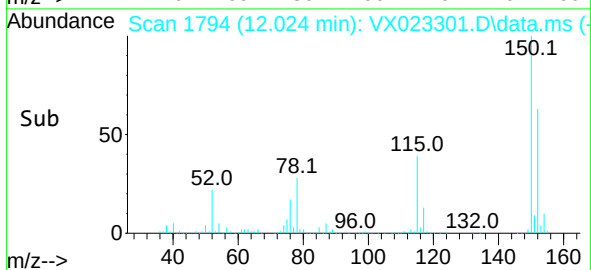
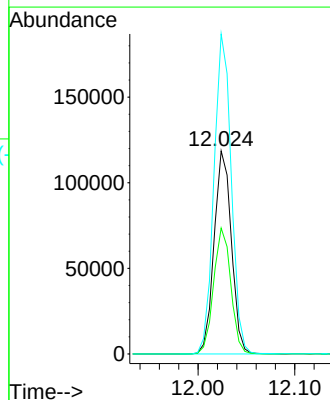
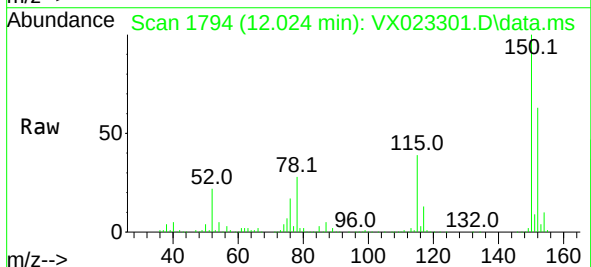
Instrument :
MSVOA_X
ClientSampled :

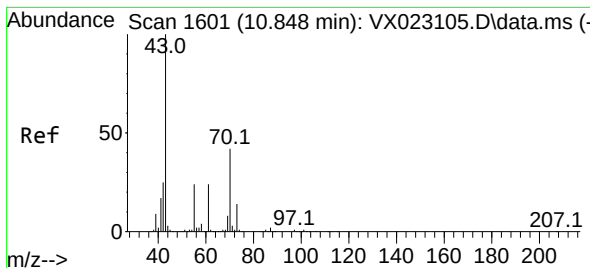
Tgt Ion:117 Resp: 343047
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

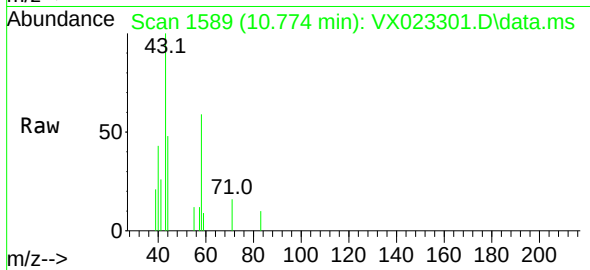
Tgt Ion:152 Resp: 147274
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 157.8 0.0 349.0



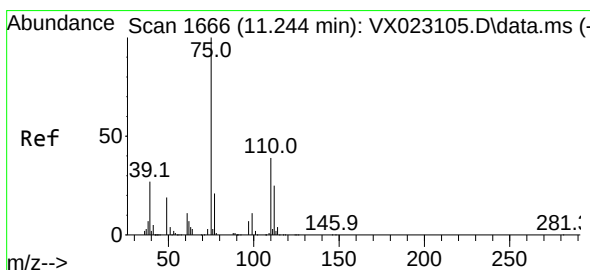
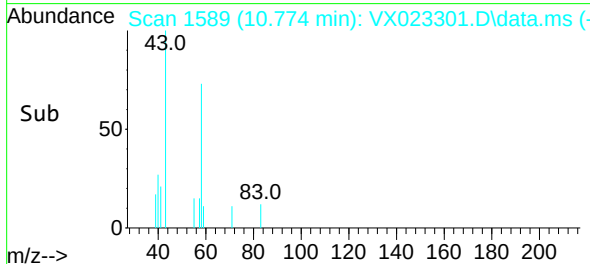
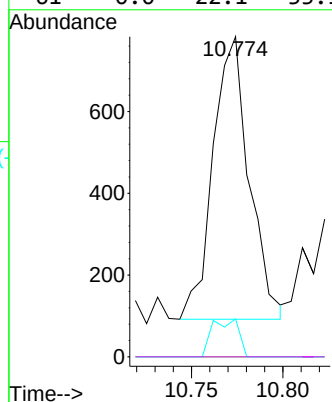


#74
N-amy1 acetate
Concen: 0.216 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Instrument :
MSVOA_X
ClientSampleId :

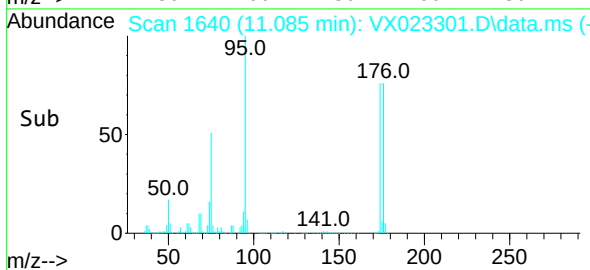
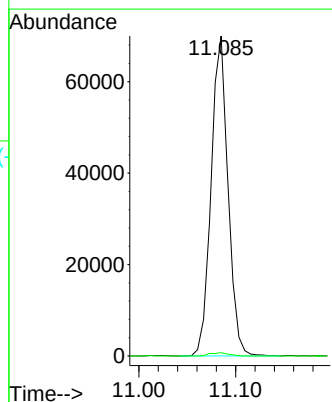
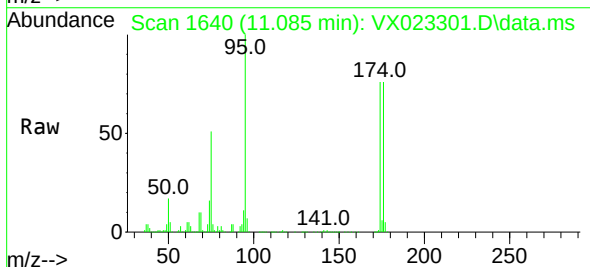


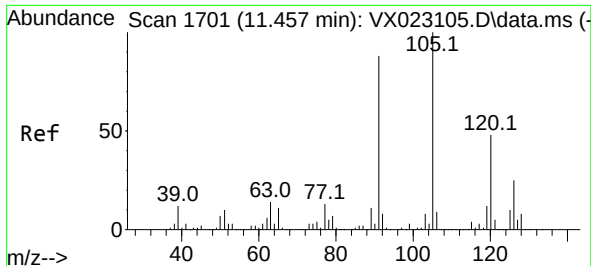
Tgt Ion: 43	Resp: 951
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	9.8 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.683 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Tgt Ion: 75	Resp: 85006
Ion Ratio	Lower Upper
75	100
77	1.1 19.1 57.5#

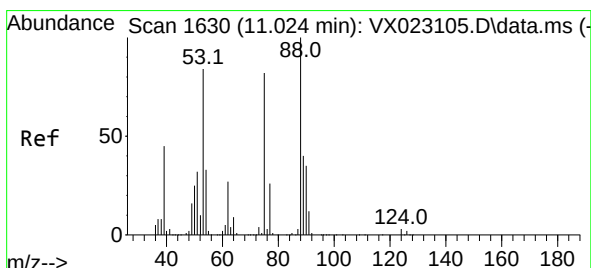
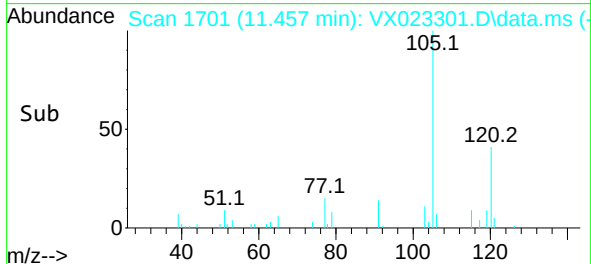
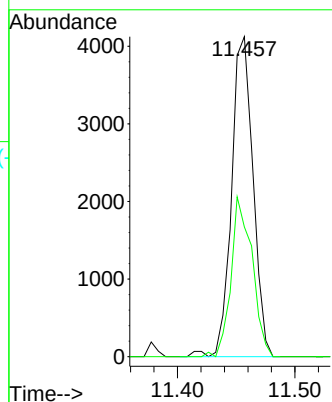
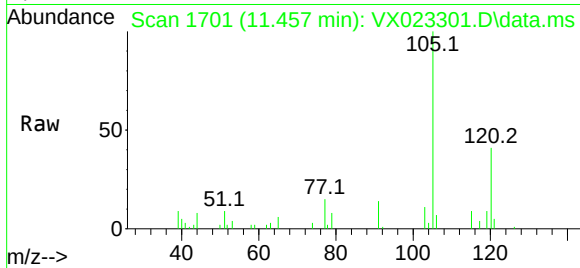




#80
1,3,5-Trimethylbenzene
Concen: 0.587 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

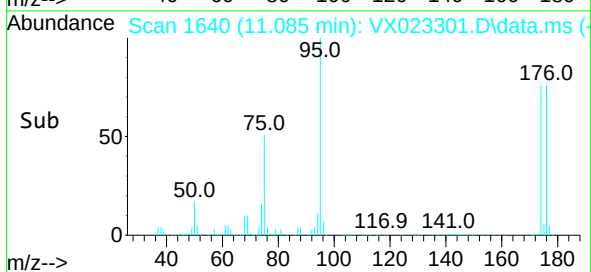
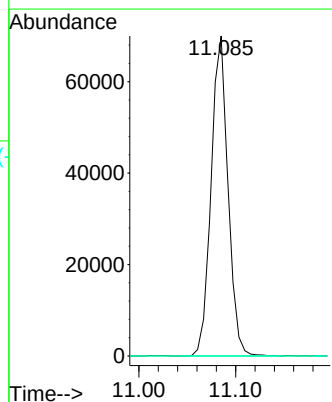
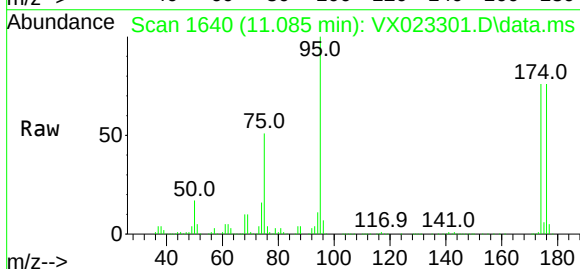
Instrument :
MSVOA_X
ClientSampleID :

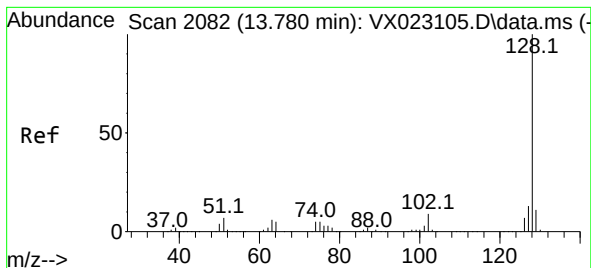
Tgt Ion:105 Resp: 5242
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 77.223 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

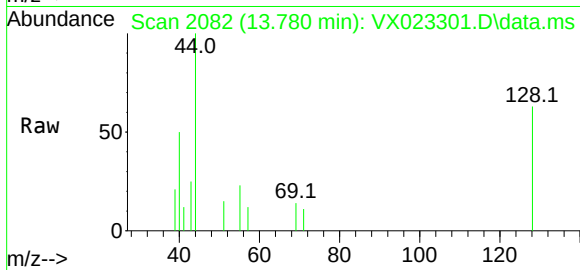
Tgt Ion: 75 Resp: 85006
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.305 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023301.D
Acq: 15 Jul 2021 16:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 335
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

