

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071421\
 Data File : VX023288.D
 Acq On : 14 Jul 2021 18:43
 Operator : JC/MD
 Sample : M3026-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:30:09 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)

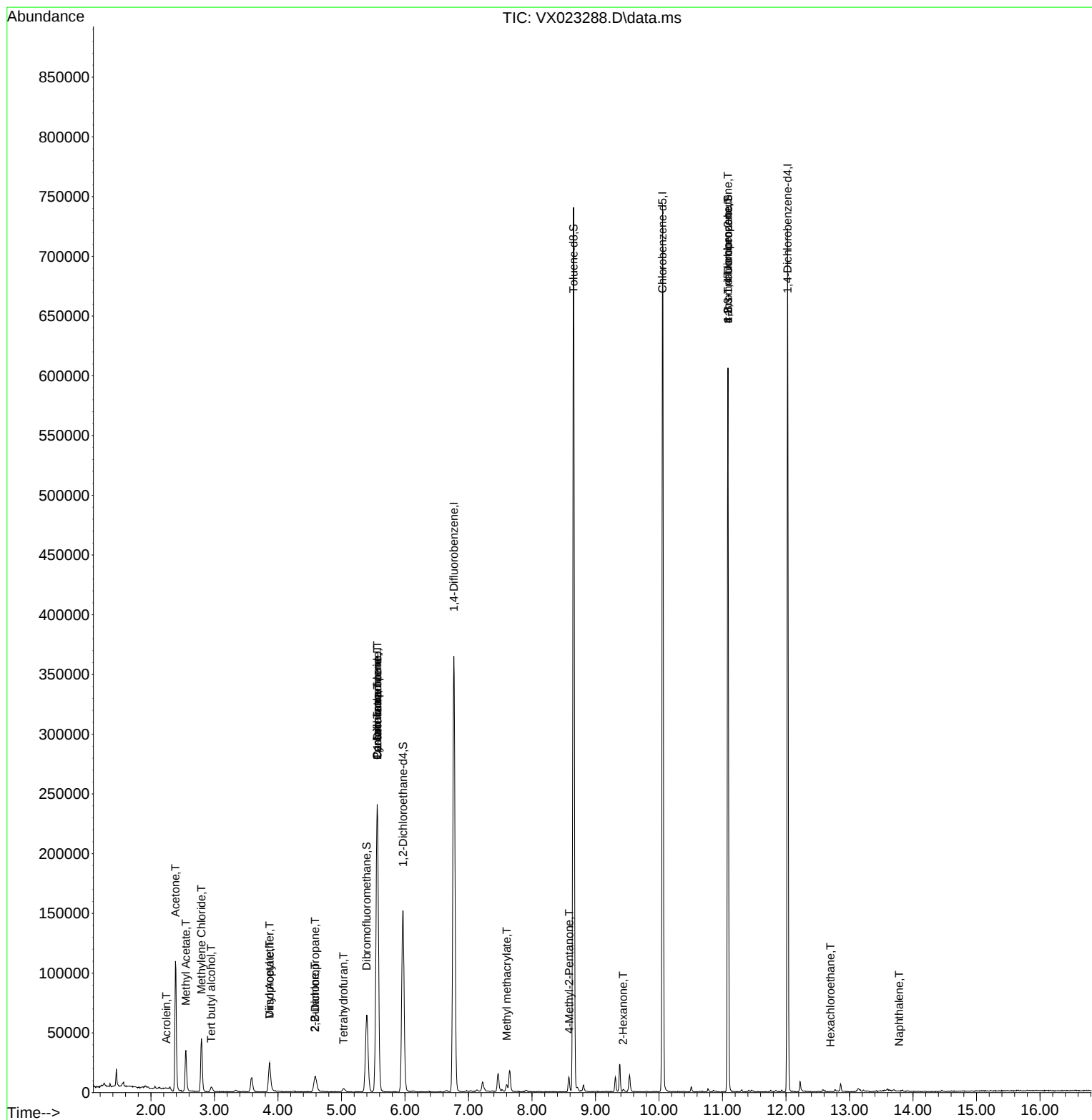
Internal Standards						
1) Pentafluorobenzene	5.562	168	222993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	371457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	333691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	155636	51.930	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.860%			
35) Dibromofluoromethane	5.397	113	57153	23.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 47.660%#			
50) Toluene-d8	8.653	98	438741	49.034	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.085	95	159446	46.158	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.581	94	84	Below Cal	#	2
11) Tert butyl alcohol	2.947	59	2822	4.476	ug/l #	73
13) Acrolein	2.240	56	212	0.505	ug/l #	14
16) Acetone	2.386	43	113698	95.890	ug/l	90
18) Methyl Acetate	2.550	43	9906	3.442	ug/l #	47
20) Methylene Chloride	2.794	84	19887	7.790	ug/l	92
22) Diisopropyl ether	3.867	45	1588	0.218	ug/l #	1
23) Vinyl Acetate	3.867	43	4434	0.719	ug/l #	68
25) 2-Butanone	4.581	43	7724	4.320	ug/l #	82
26) 2,2-Dichloropropane	4.587	77	915	0.265	ug/l #	52
29) Tetrahydrofuran	5.032	42	2379	2.070	ug/l	87
31) Cyclohexane	5.562	56	4466	1.245	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	17358	5.242	ug/l #	50
38) Carbon Tetrachloride	5.562	117	23565	6.818	ug/l #	16
48) Methyl methacrylate	7.604	41	7872	2.670	ug/l #	18
51) 4-Methyl-2-Pentanone	8.586	43	7567	2.032	ug/l	93
59) 2-Hexanone	9.433	43	1441	0.504	ug/l	79
76) 1,2,3-Trichloropropane	11.085	75	81964	28.535	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	81964	76.851	ug/l #	12
90) Hexachloroethane	12.701	117	252	3.152	ug/l #	9
95) Naphthalene	13.780	128	327	1.305	ug/l #	69

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

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QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

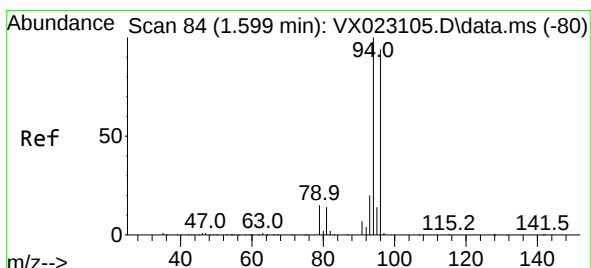
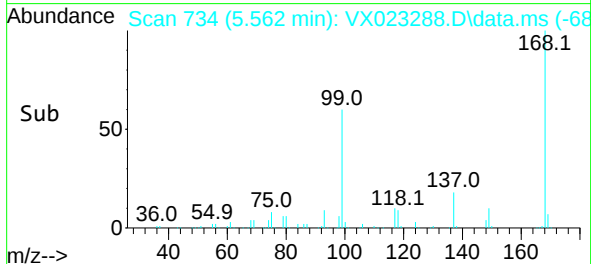
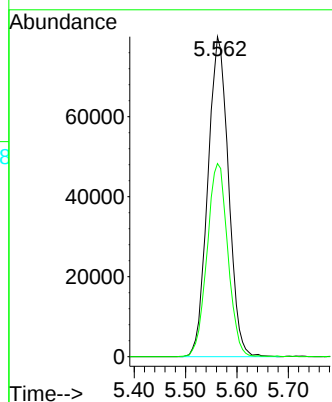
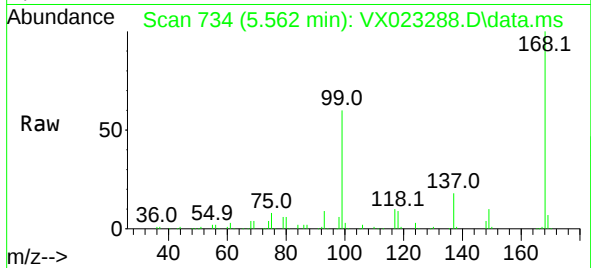




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

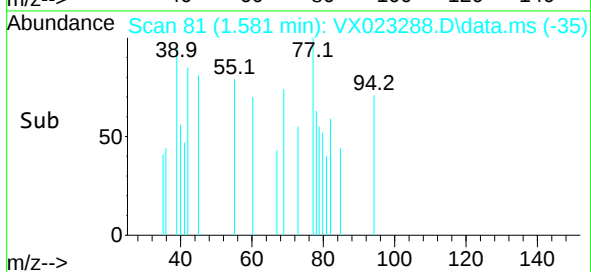
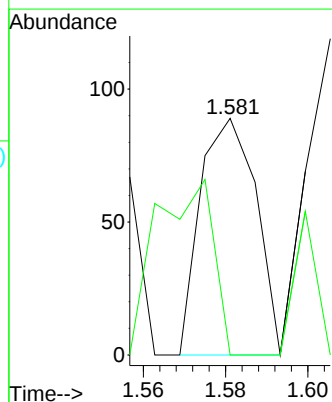
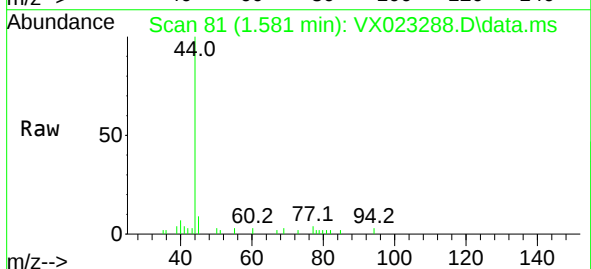
Instrument :
MSVOA_X
ClientSampled :

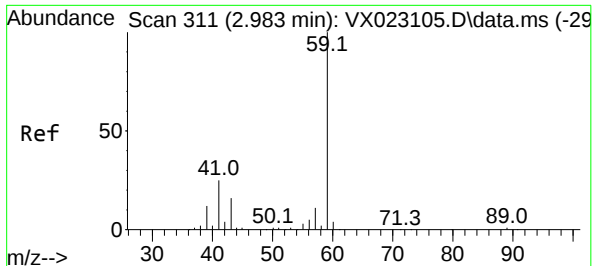
Tgt Ion:168 Resp: 222993
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



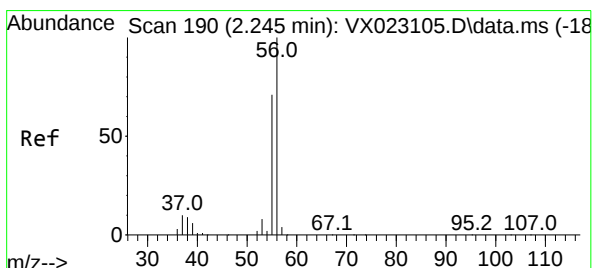
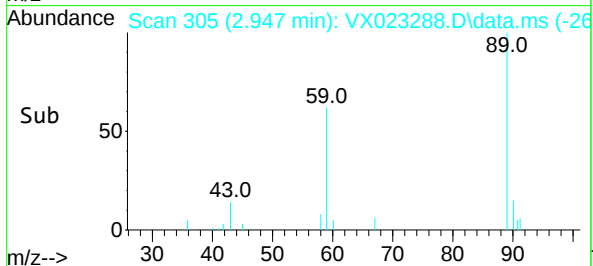
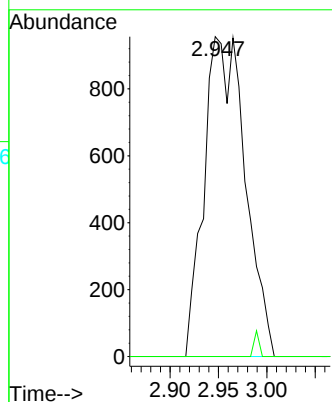
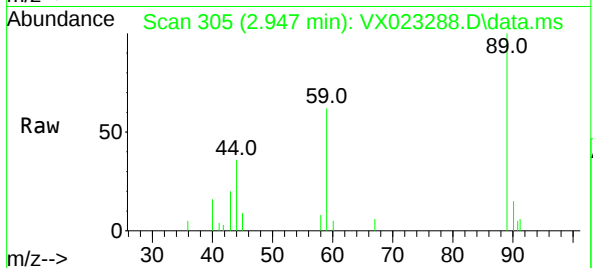


#11

Tert butyl alcohol
Concen: 4.476 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Instrument :
MSVOA_X
ClientSampled :

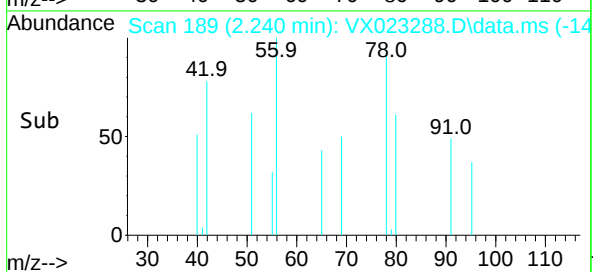
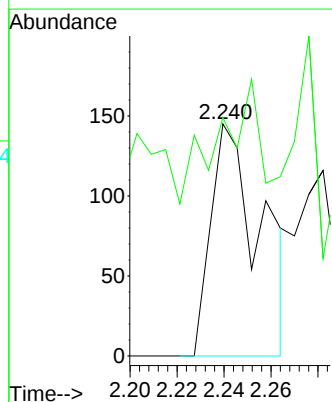
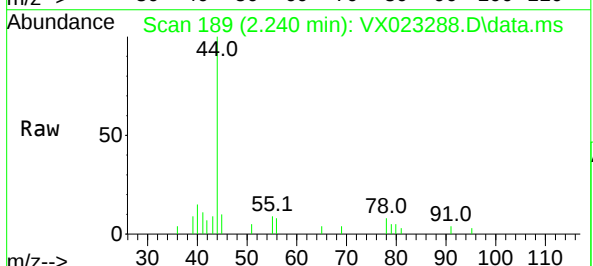
Tgt Ion: 59 Resp: 2822
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

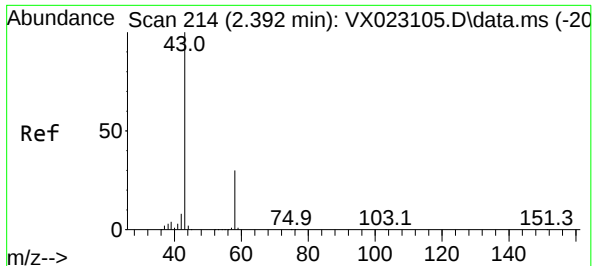


#13

Acrolein
Concen: 0.505 ug/l
RT: 2.240 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

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

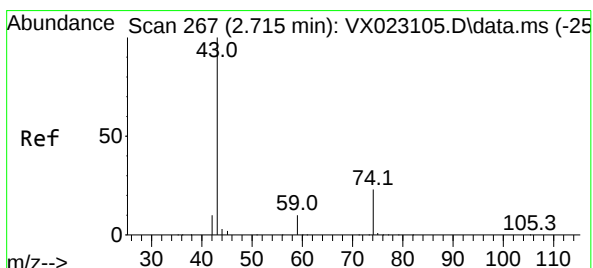
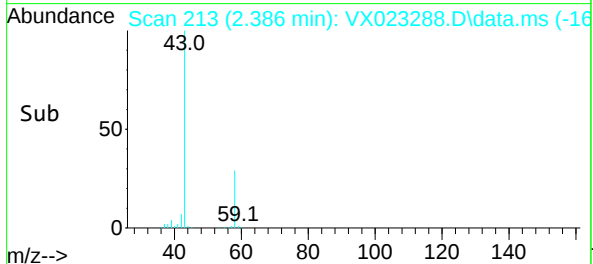
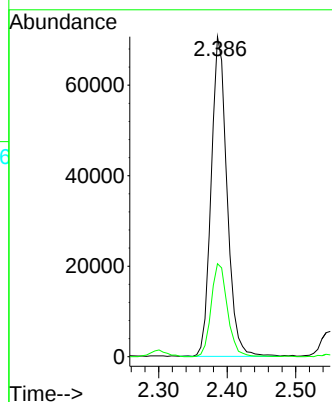
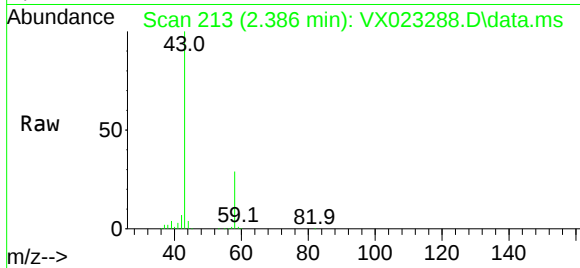




#16
Acetone
Concen: 95.890 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

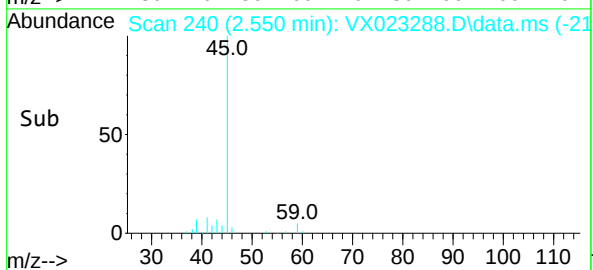
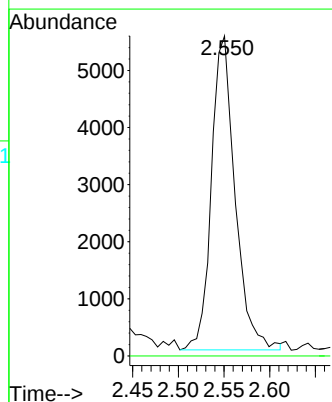
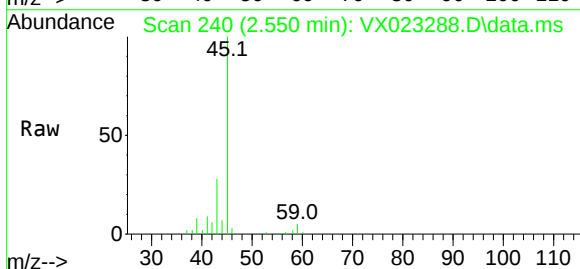
Instrument :
MSVOA_X
ClientSampled :

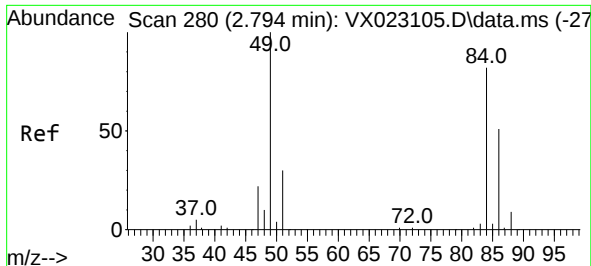
Tgt Ion: 43 Resp: 113698
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#18
Methyl Acetate
Concen: 3.442 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.165 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

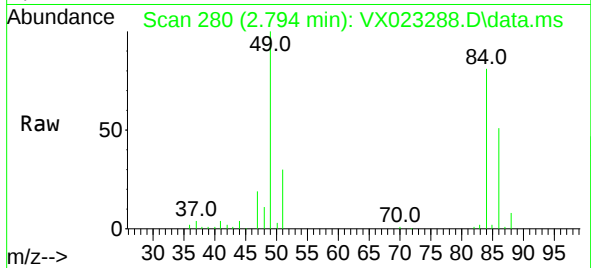
Tgt Ion: 43 Resp: 9906
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



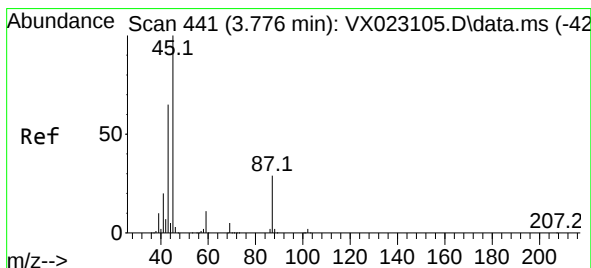
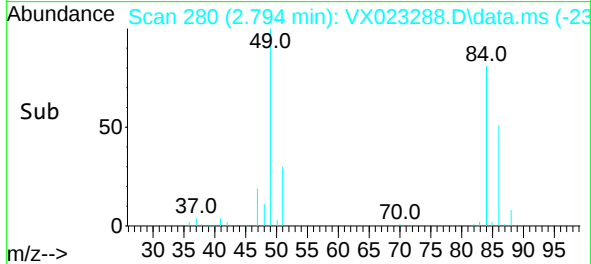
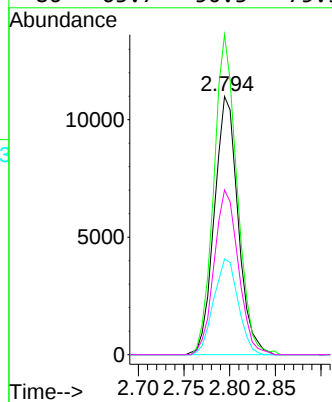


#20
Methylene Chloride
Concen: 7.790 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

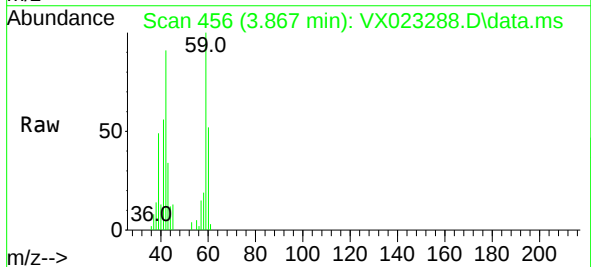
Instrument :
MSVOA_X
ClientSampled :



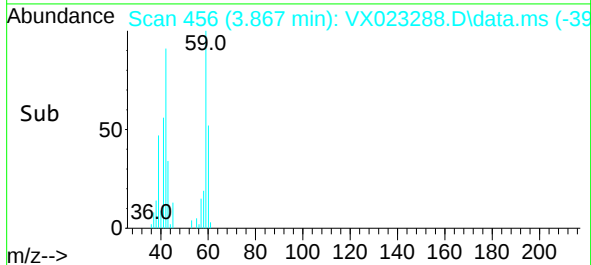
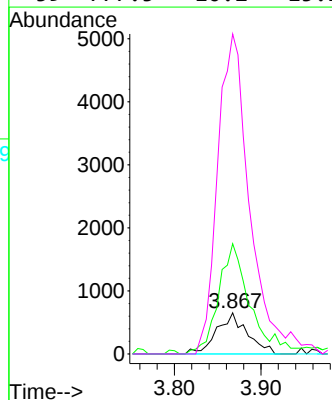
Tgt Ion:	84	Resp:	19887
Ion	Ratio	Lower	Upper
84	100		
49	123.9	88.6	132.8
51	37.0	27.0	40.6
86	63.7	50.3	75.5

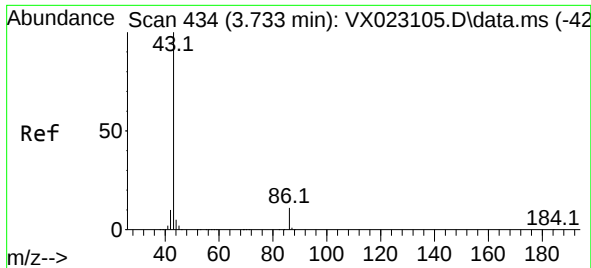


#22
Diisopropyl ether
Concen: 0.218 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43



Tgt Ion:	45	Resp:	1588
Ion	Ratio	Lower	Upper
45	100		
43	268.0	58.0	87.0#
87	0.0	25.4	38.0#
59	777.5	10.2	15.2#

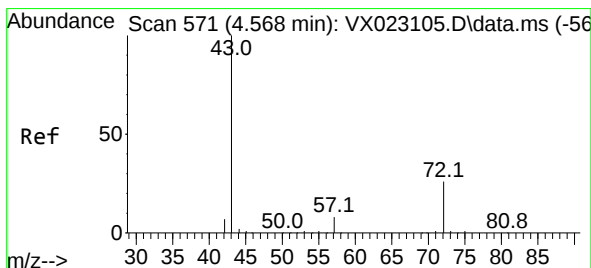
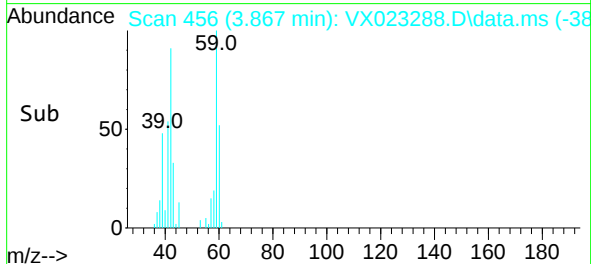
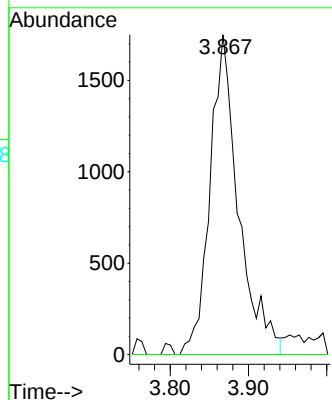
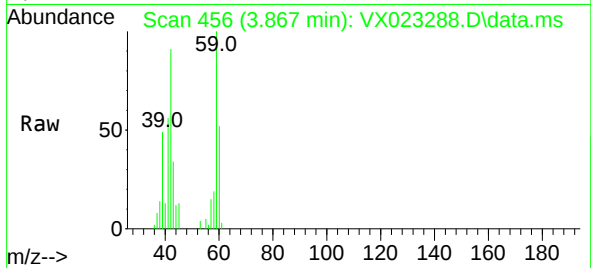




#23
 Vinyl Acetate
 Concen: 0.719 ug/l
 RT: 3.867 min Scan# 456
 Delta R.T. 0.134 min
 Lab File: VX023288.D
 Acq: 14 Jul 2021 18:43

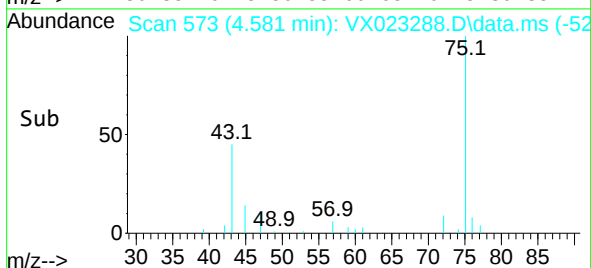
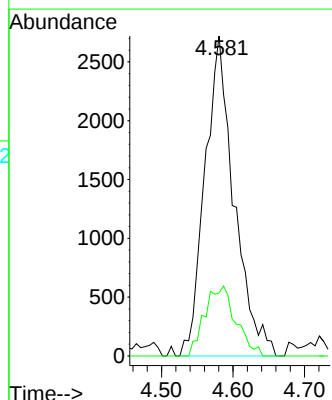
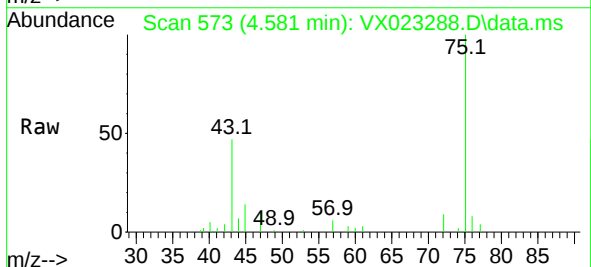
Instrument :
 MSVOA_X
 ClientSampled :

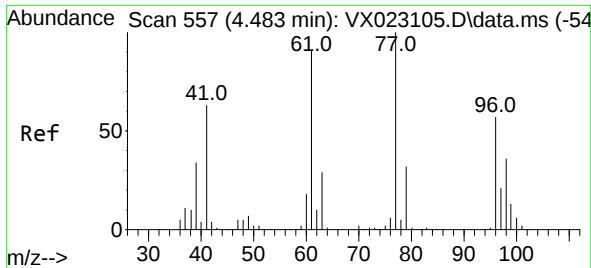
Tgt Ion: 43 Resp: 4434
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 4.320 ug/l
 RT: 4.581 min Scan# 573
 Delta R.T. 0.013 min
 Lab File: VX023288.D
 Acq: 14 Jul 2021 18:43

Tgt Ion: 43 Resp: 7724
 Ion Ratio Lower Upper
 43 100
 72 19.7 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.265 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX023288.D

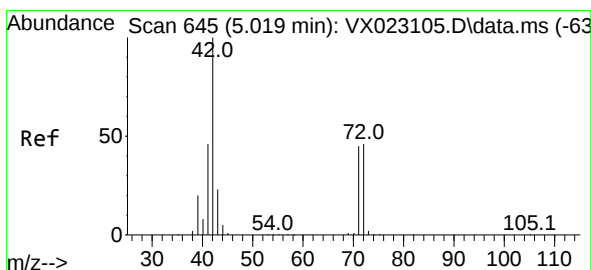
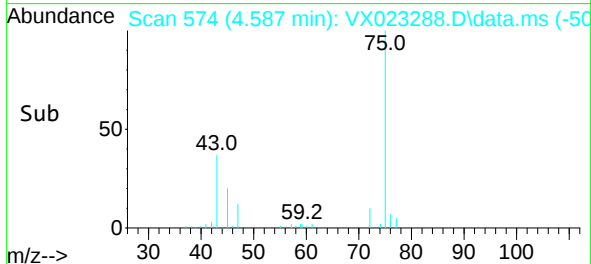
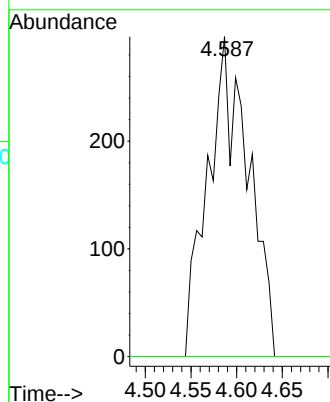
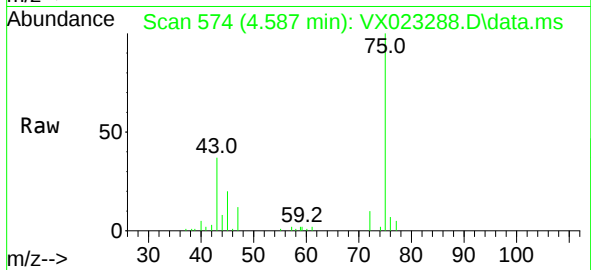
Acq: 14 Jul 2021 18:43

Tgt Ion: 77 Resp: 915

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#29

Tetrahydrofuran

Concen: 2.070 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023288.D

Acq: 14 Jul 2021 18:43

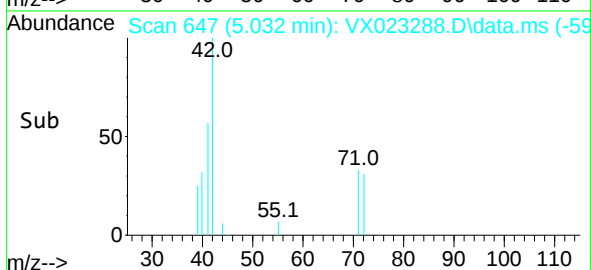
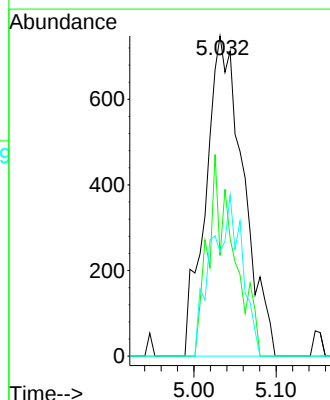
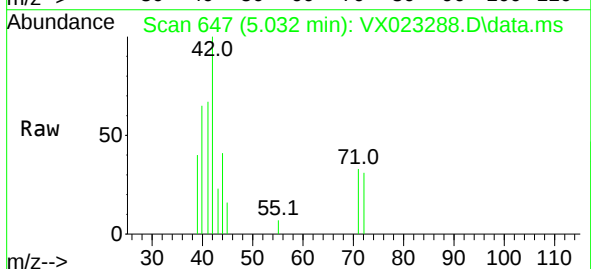
Tgt Ion: 42 Resp: 2379

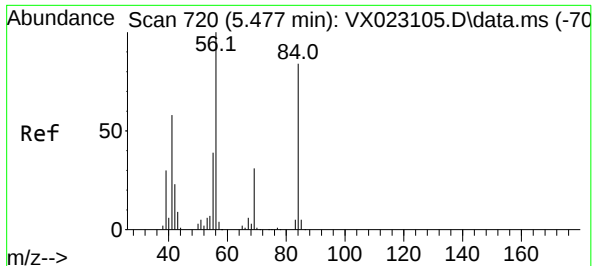
Ion Ratio Lower Upper

42 100

72 42.5 41.7 62.5

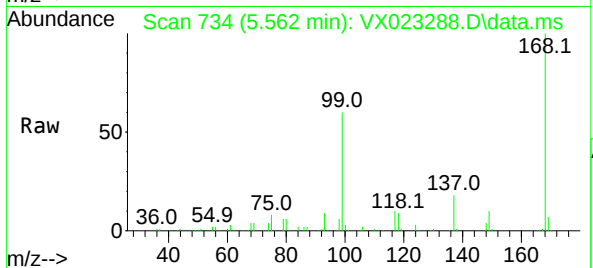
71 40.4 38.4 57.6



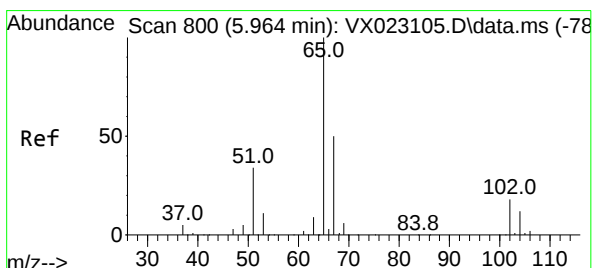
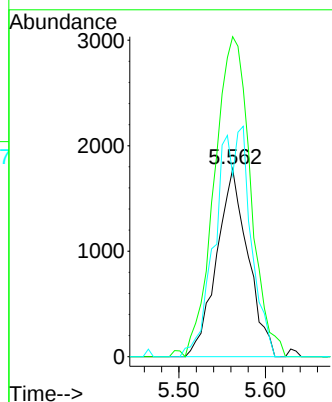
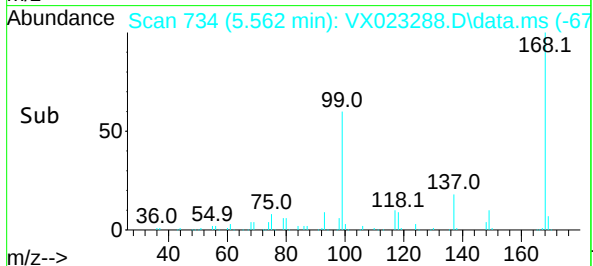


#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

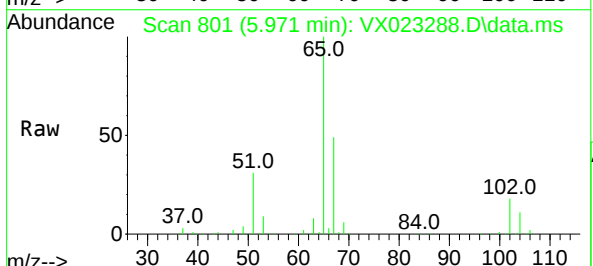
Instrument :
MSVOA_X
ClientSampleId :



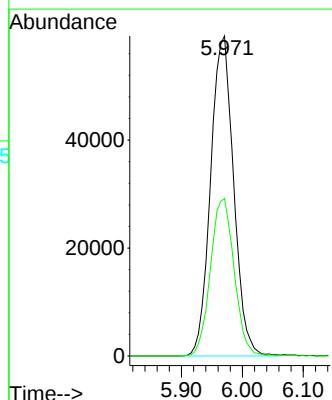
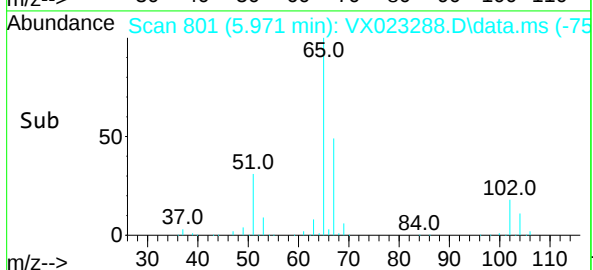
Tgt Ion: 56 Resp: 4466
Ion Ratio Lower Upper
56 100
69 167.4 25.3 37.9#
84 96.7 71.4 107.0

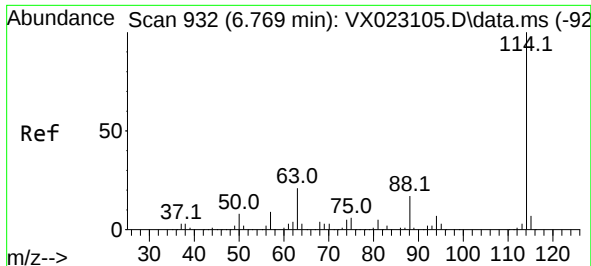


#33
1,2-Dichloroethane-d4
Concen: 51.930 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43



Tgt Ion: 65 Resp: 155636
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

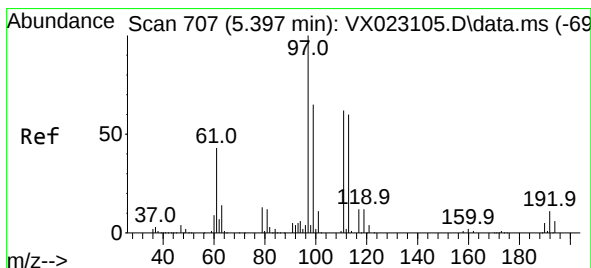
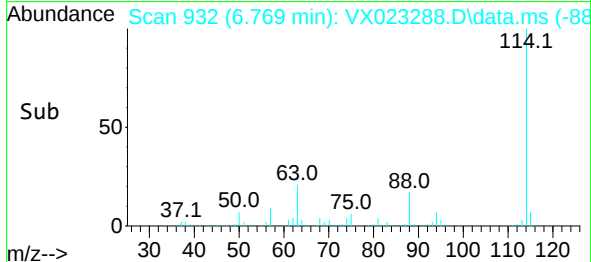
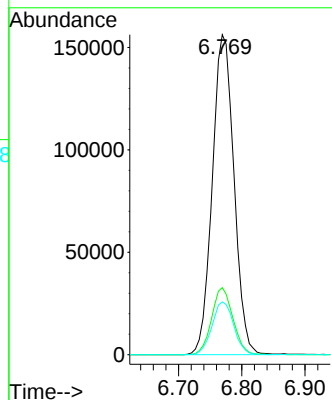
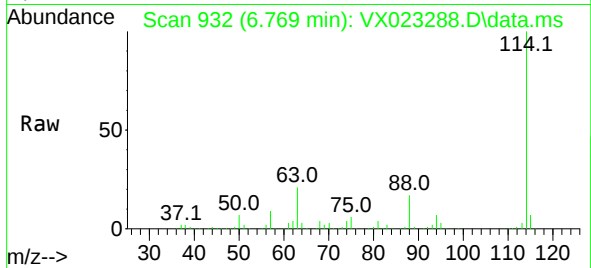




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

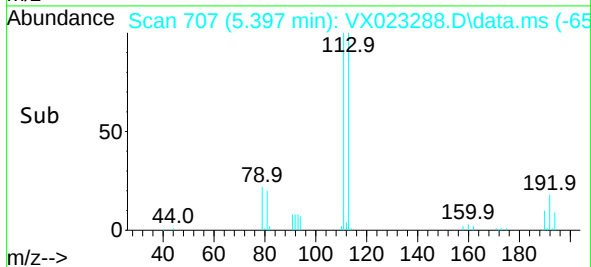
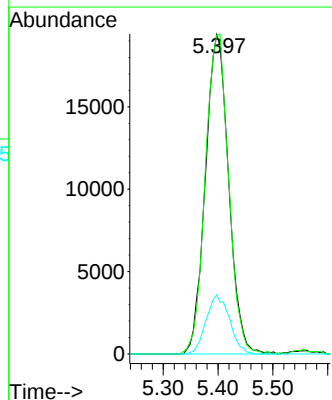
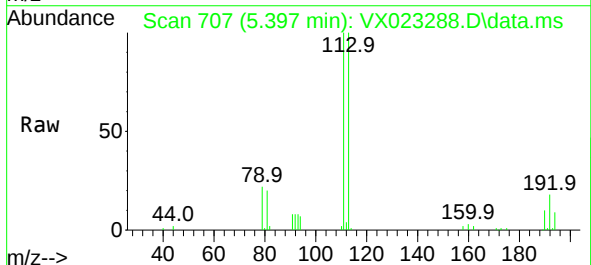
Instrument :
MSVOA_X
ClientSampled :

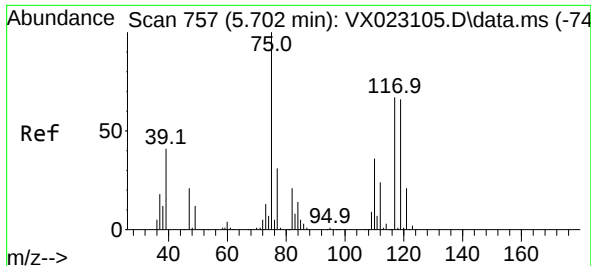
Tgt Ion:114 Resp: 371457
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 23.827 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Tgt Ion:113 Resp: 57153
Ion Ratio Lower Upper
113 100
111 99.8 81.9 122.9
192 18.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.242 ug/l

RT: 5.562 min Scan# 734

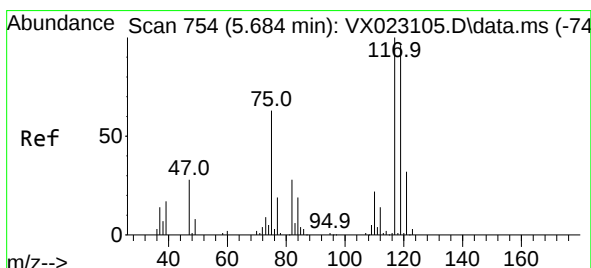
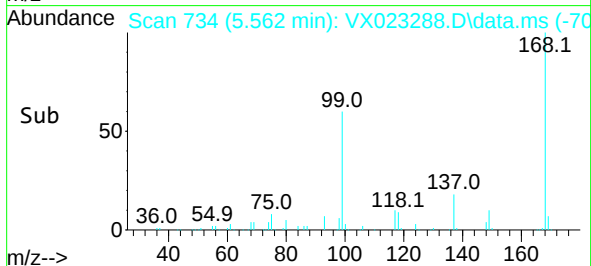
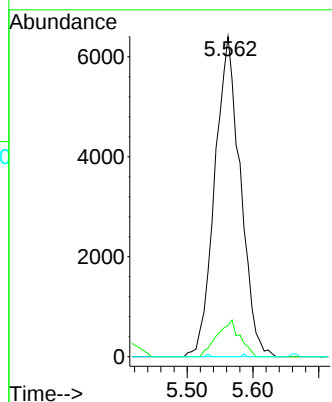
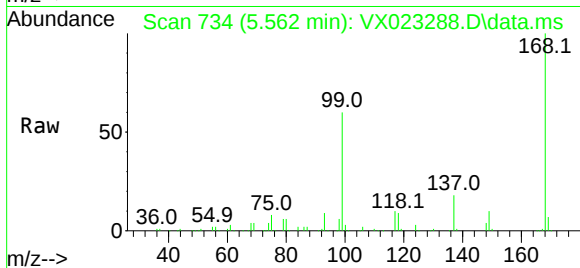
Delta R.T. -0.140 min

Lab File: VX023288.D

Acq: 14 Jul 2021 18:43

Tgt Ion:	75	Resp:	17358
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.818 ug/l

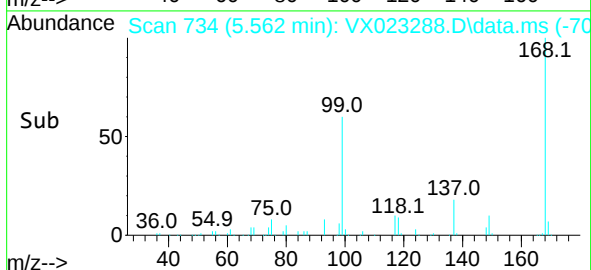
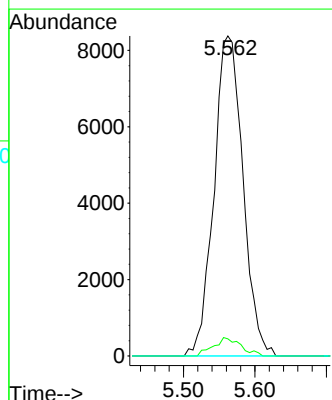
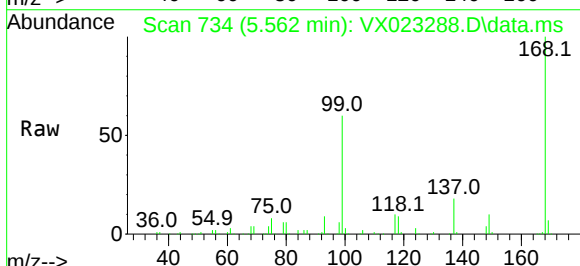
RT: 5.562 min Scan# 734

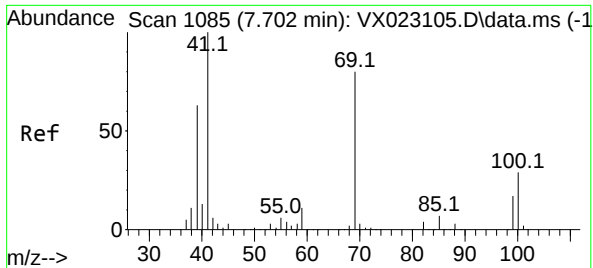
Delta R.T. -0.122 min

Lab File: VX023288.D

Acq: 14 Jul 2021 18:43

Tgt Ion:	117	Resp:	23565
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	24.8	37.2#

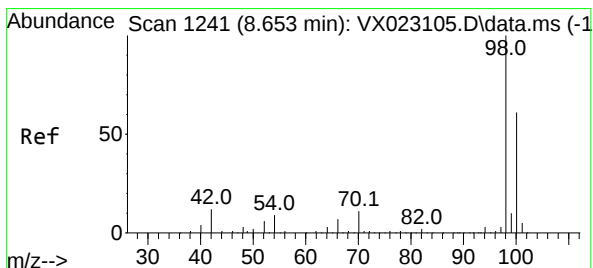
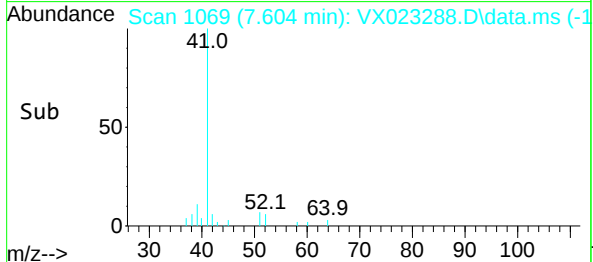
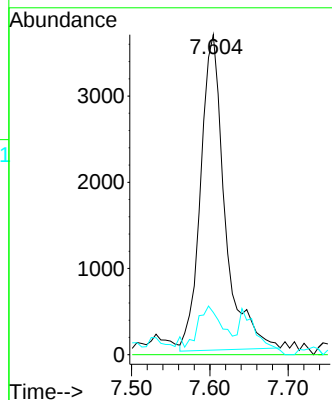
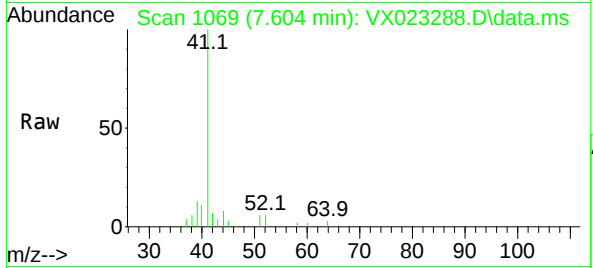




#48
Methyl methacrylate
Concen: 2.670 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

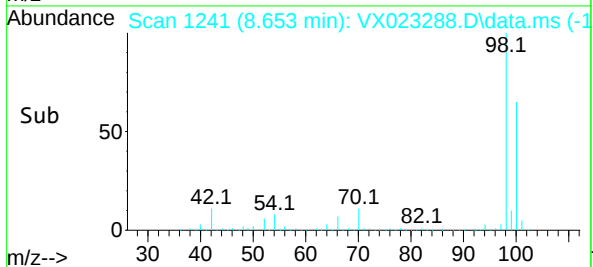
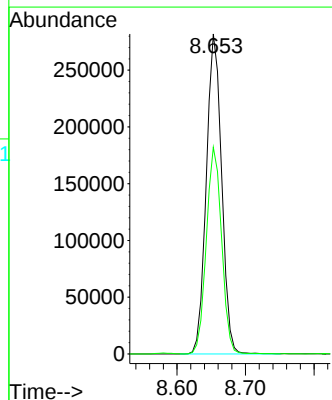
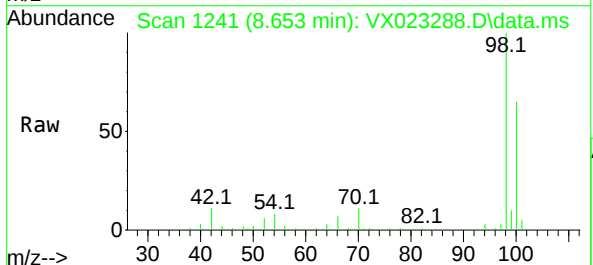
Instrument :
MSVOA_X
ClientSampled :

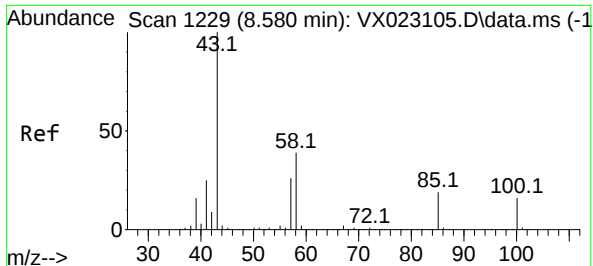
Tgt Ion: 41 Resp: 7872
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 16.3 44.6 67.0#



#50
Toluene-d8
Concen: 49.034 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Tgt Ion: 98 Resp: 438741
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

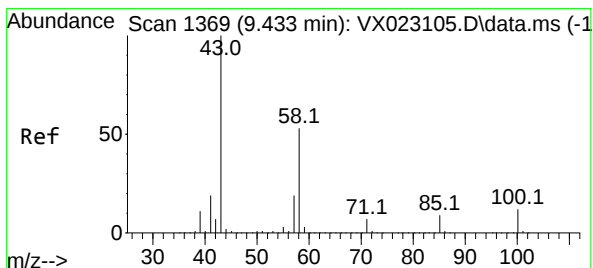
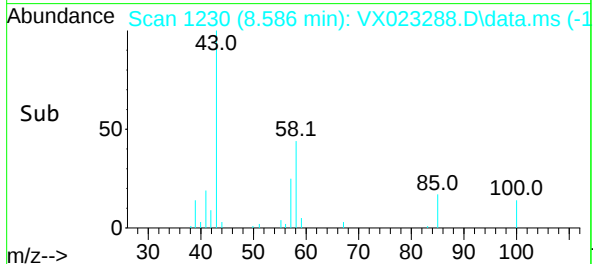
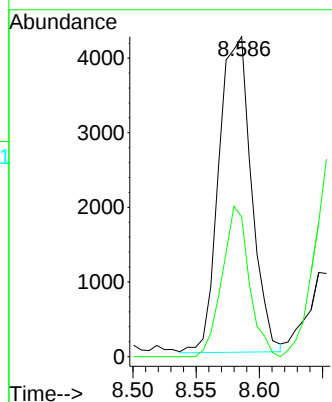
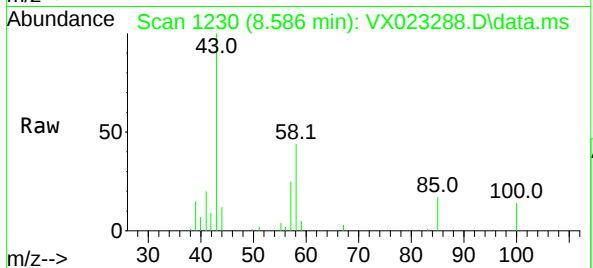




#51
4-Methyl-2-Pentanone
Concen: 2.032 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

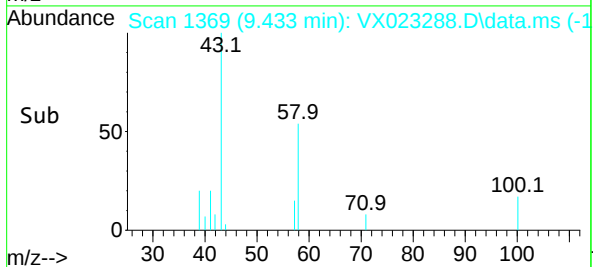
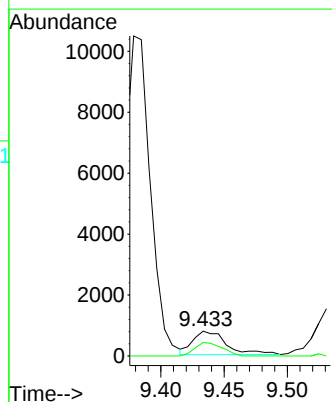
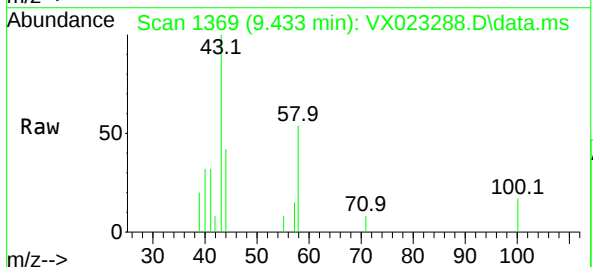
Instrument :
MSVOA_X
ClientSampled :

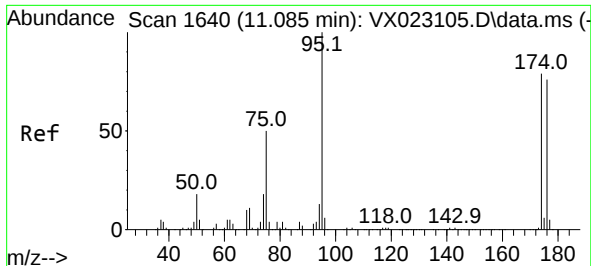
Tgt Ion: 43 Resp: 7567
Ion Ratio Lower Upper
43 100
58 39.6 35.4 53.0



#59
2-Hexanone
Concen: 0.504 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
58 45.9 30.9 92.8

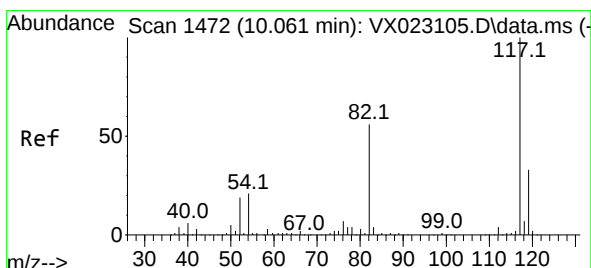
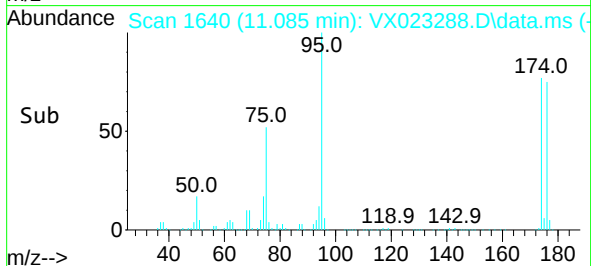
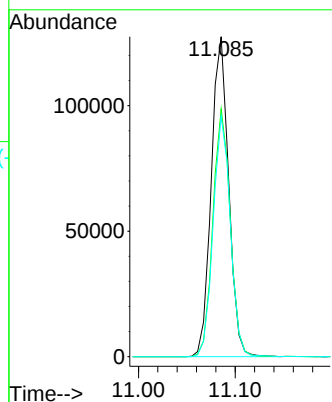
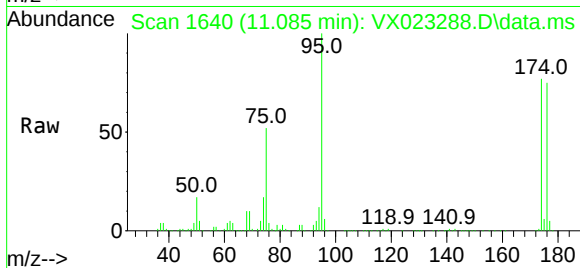




#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

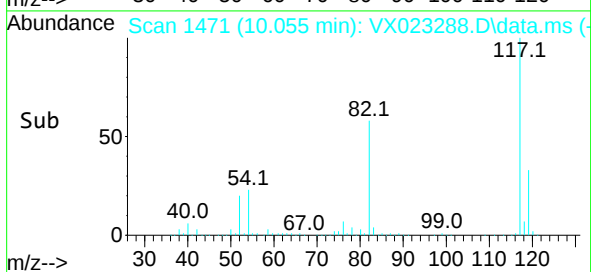
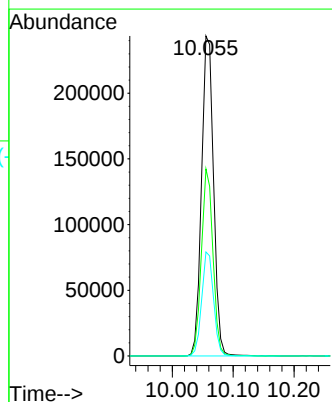
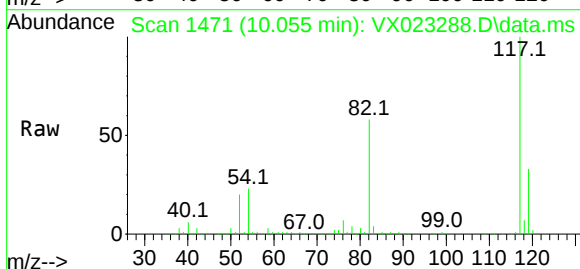
Instrument :
MSVOA_X
ClientSampled :

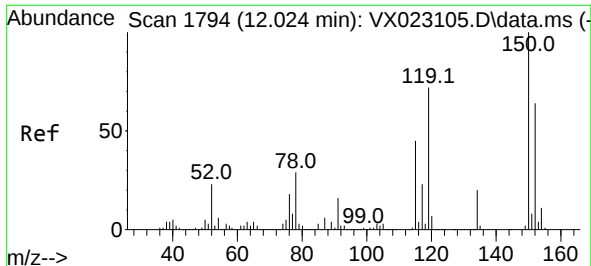
Tgt Ion: 95 Resp: 159446
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 74.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Tgt Ion: 117 Resp: 333691
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.5 26.6 39.8

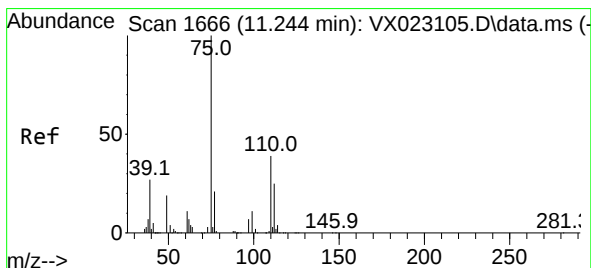
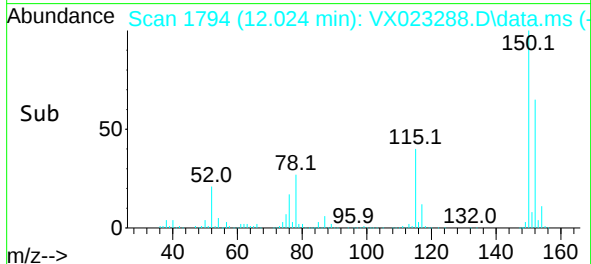
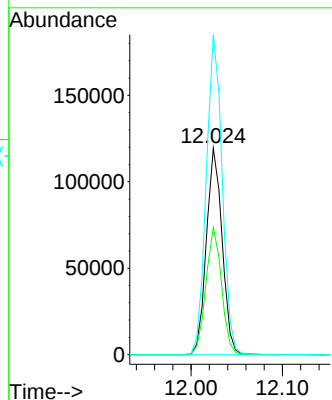
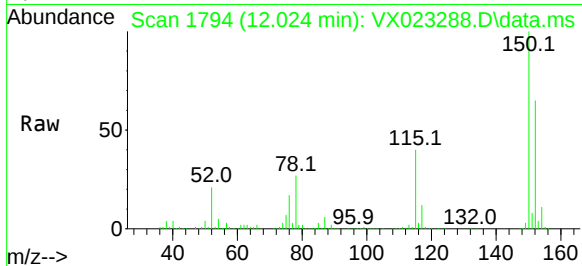




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023288.D
 Acq: 14 Jul 2021 18:43

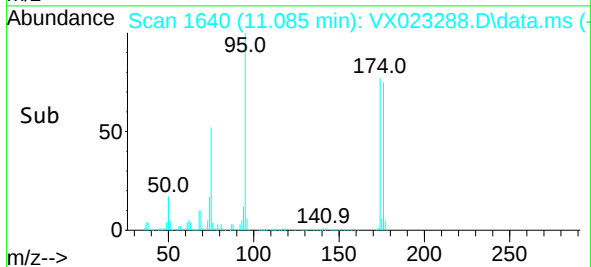
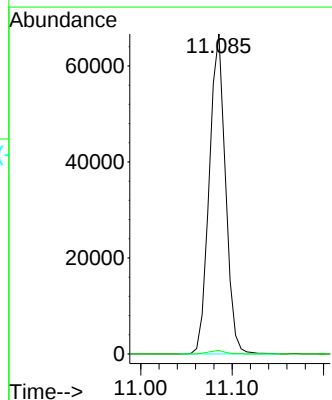
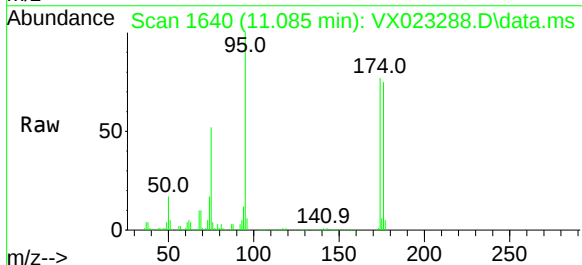
Instrument :
 MSVOA_X
 ClientSampled :

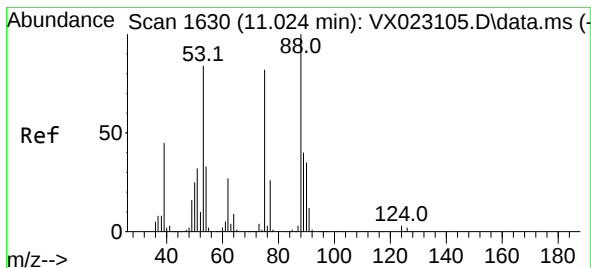
Tgt Ion:152 Resp: 142738
 Ion Ratio Lower Upper
 152 100
 115 61.4 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.535 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023288.D
 Acq: 14 Jul 2021 18:43

Tgt Ion: 75 Resp: 81964
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

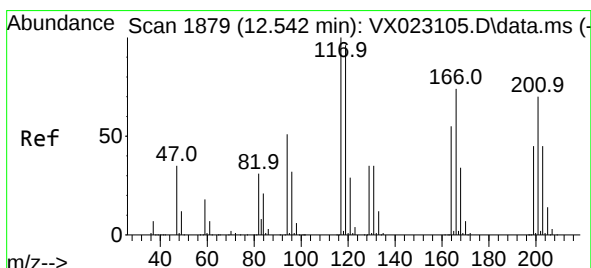
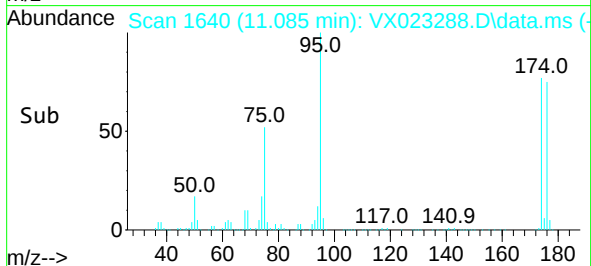
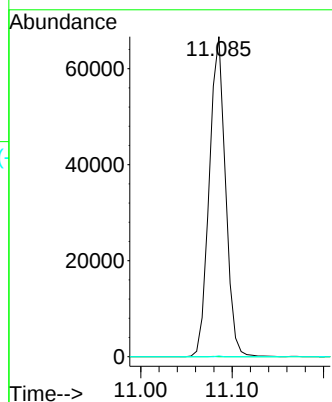
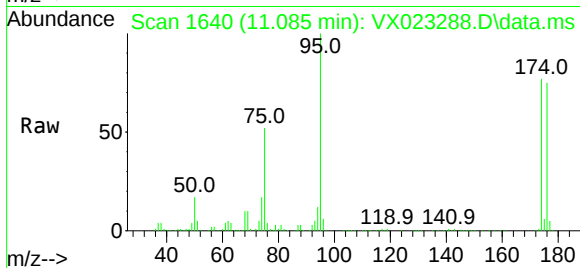




#81
trans-1,4-Dichloro-2-butene
Concen: 76.851 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

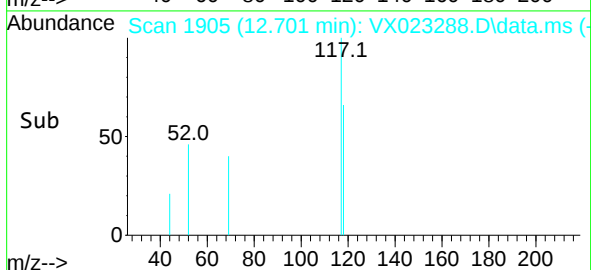
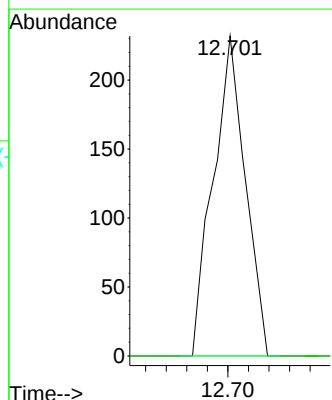
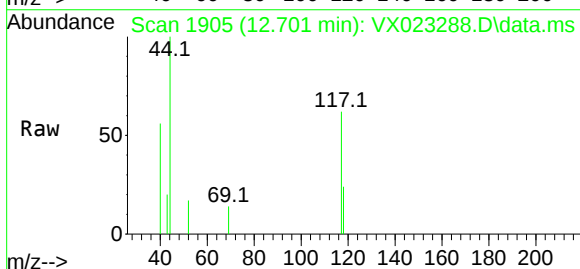
Instrument :
MSVOA_X
ClientSampled :

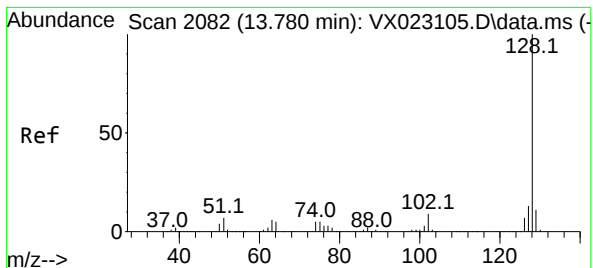
Tgt Ion: 75 Resp: 81964
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#90
Hexachloroethane
Concen: 3.152 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

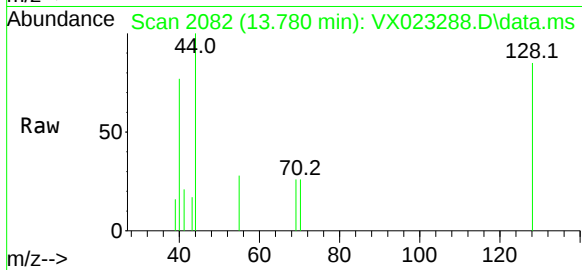
Tgt Ion: 117 Resp: 252
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.305 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023288.D
Acq: 14 Jul 2021 18:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 327
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

