

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023689.D
 Acq On : 13 Aug 2021 14:39
 Operator : JC/MD
 Sample : PB138358ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:25:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

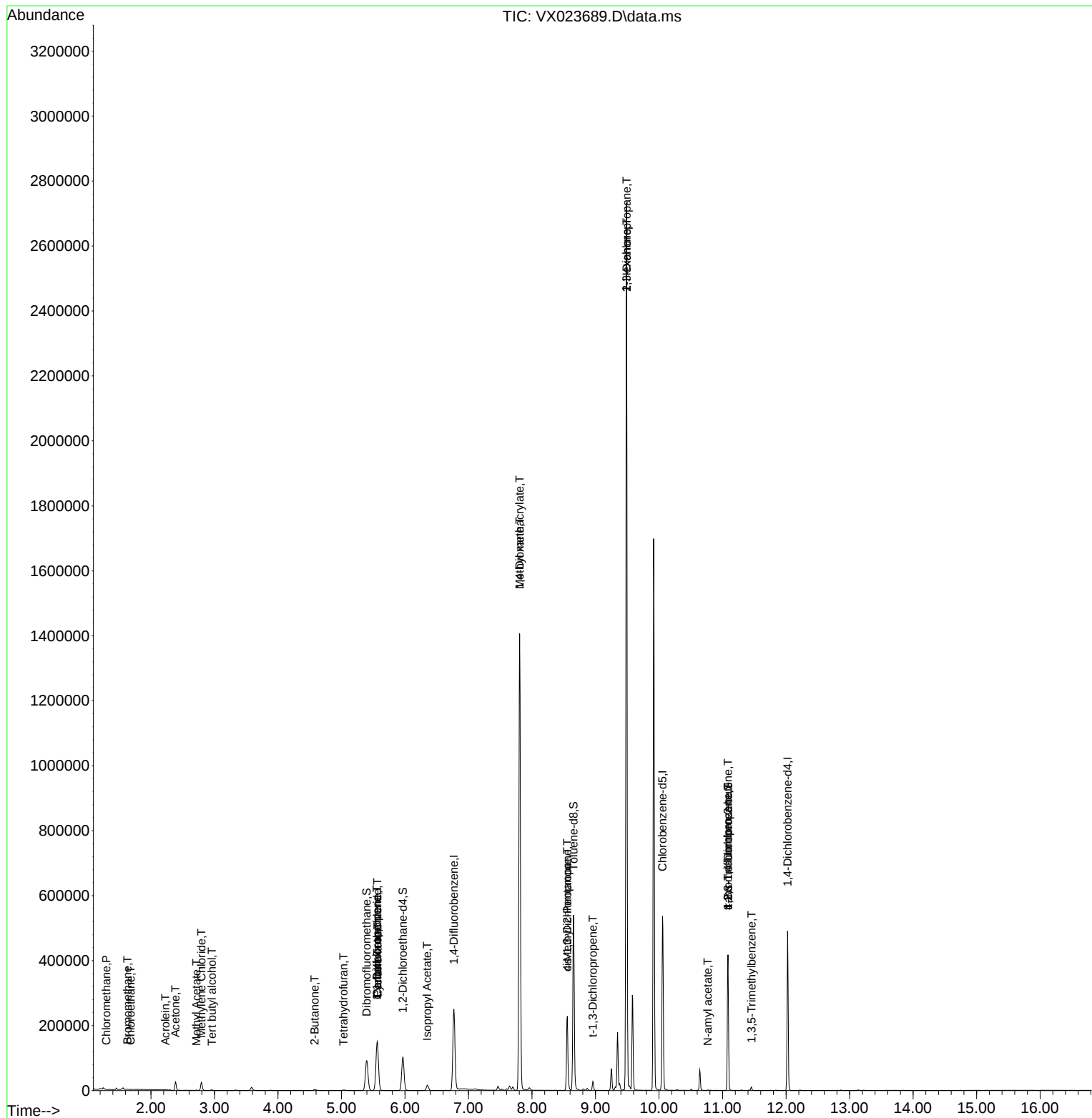
Internal Standards						
1) Pentafluorobenzene	5.562	168	142832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101798	57.135	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.280%	
35) Dibromofluoromethane	5.397	113	79525	51.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.200%	
50) Toluene-d8	8.653	98	308730	54.520	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	11.085	95	106487	55.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	368	0.240	ug/l #	83
5) Bromomethane	1.630	94	449	0.488	ug/l #	55
6) Chloroethane	1.679	64	216	0.227	ug/l #	43
11) Tert butyl alcohol	2.959	59	1557	3.825	ug/l #	73
13) Acrolein	2.227	56	48	1.594	ug/l #	1
16) Acetone	2.386	43	27473	31.434	ug/l	90
18) Methyl Acetate	2.715	43	1570	0.756	ug/l	100
20) Methylene Chloride	2.794	84	10458	6.152	ug/l	90
25) 2-Butanone	4.574	43	4237	3.123	ug/l	90
29) Tetrahydrofuran	5.032	42	1540	1.732	ug/l #	68
31) Cyclohexane	5.568	56	3491	1.323	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	11696	5.245	ug/l #	45
38) Carbon Tetrachloride	5.562	117	14496	6.392	ug/l #	16
43) Isopropyl Acetate	6.348	43	22232	5.103	ug/l	92
48) Methyl methacrylate	7.806	41	126238	62.565	ug/l #	38
49) 1,4-Dioxane	7.806	88	47	1.094	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	81528	30.595	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	45	1.833	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34713	13.024	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	22010	7.809	ug/l #	42
59) 2-Hexanone	9.488	43	325087	160.651	ug/l #	43
74) N-amyl acetate	10.768	43	742	0.225	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	55730	26.386	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4604	0.781	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	55730	70.949	ug/l #	12

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

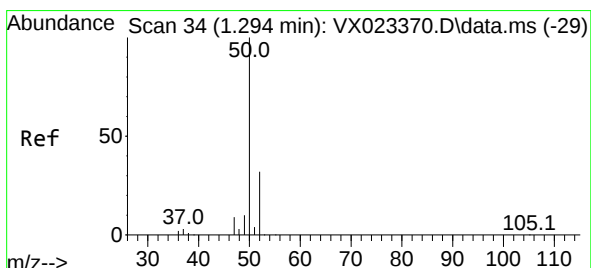
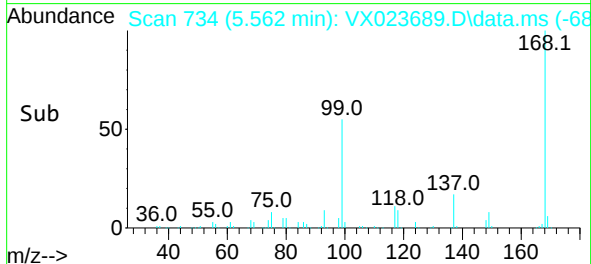
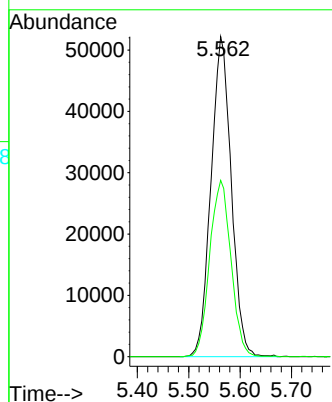
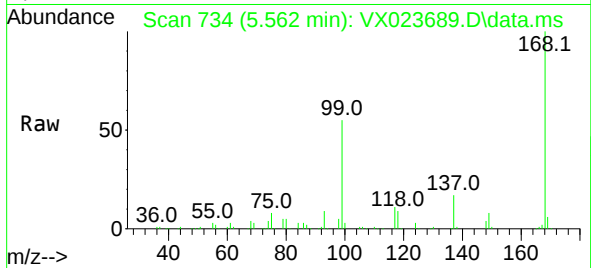




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

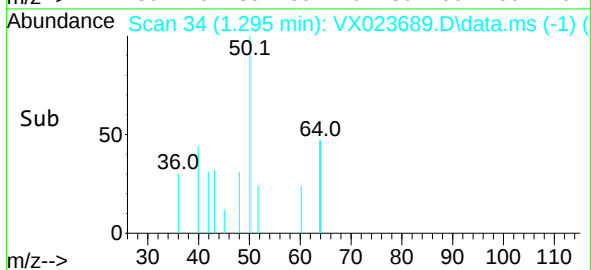
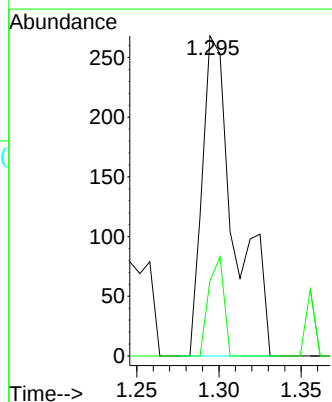
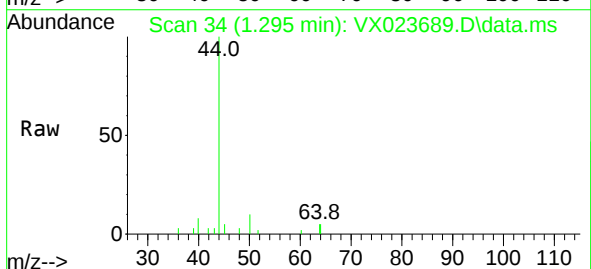
Instrument :
MSVOA_X
ClientSampleId :

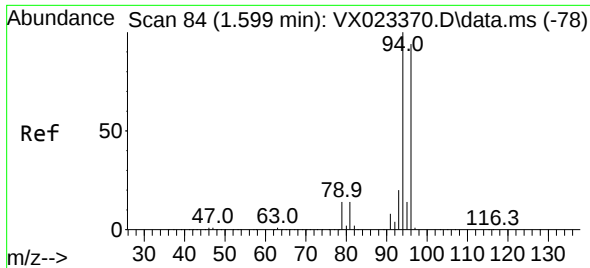
Tgt Ion:168 Resp: 142832
Ion Ratio Lower Upper
168 100
99 55.1 45.8 68.6



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 23.5 26.4 39.6#

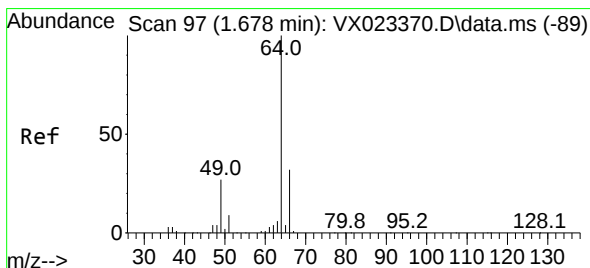
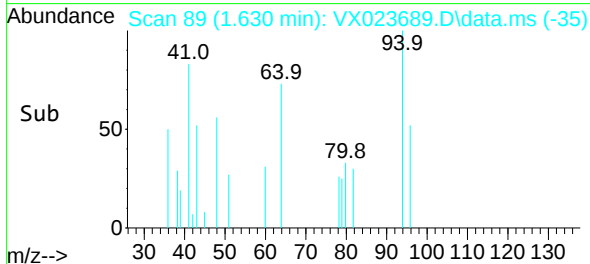
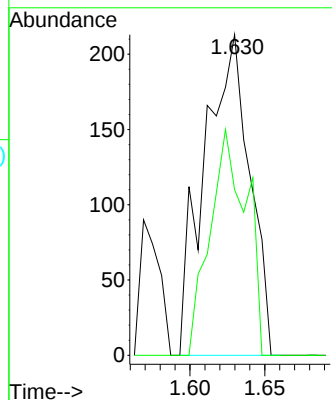
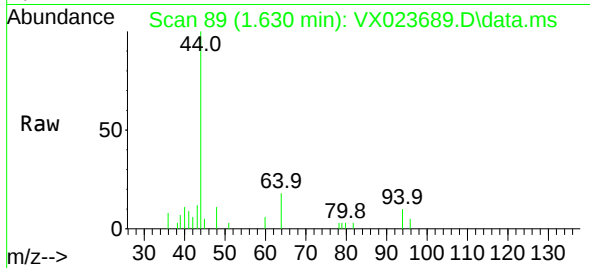




#5
Bromomethane
Concen: 0.488 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

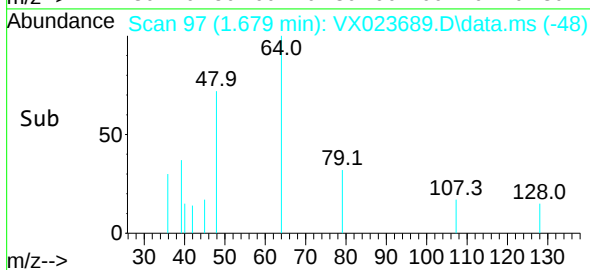
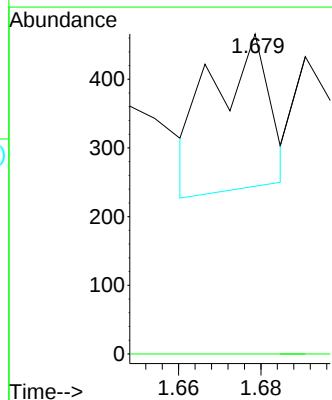
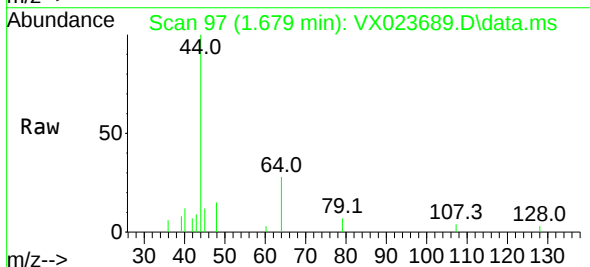
Instrument :
MSVOA_X
ClientSampled :

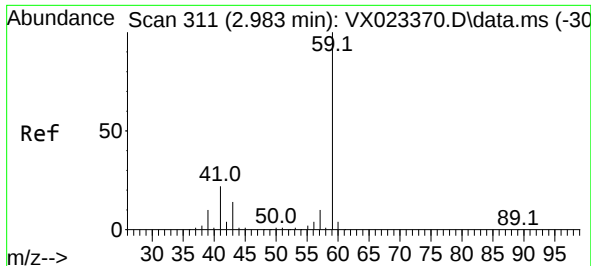
Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 51.6 76.4 114.6#



#6
Chloroethane
Concen: 0.227 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



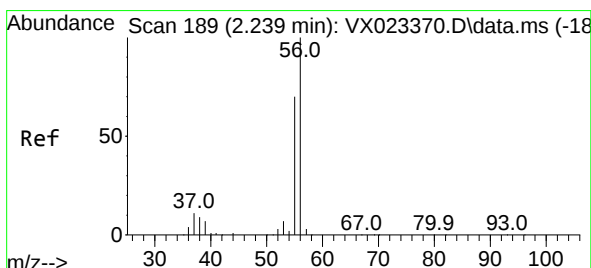
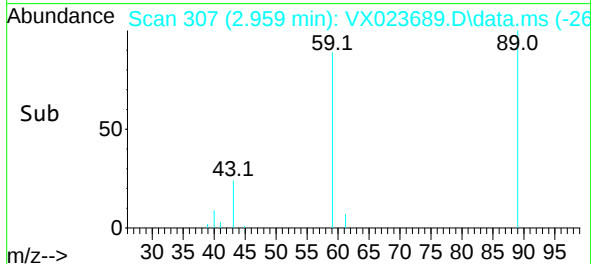
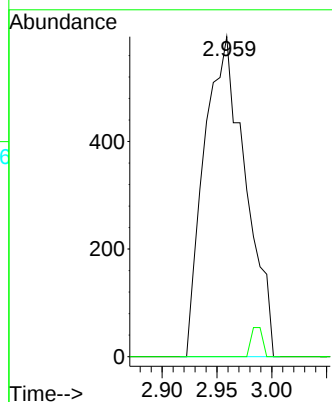
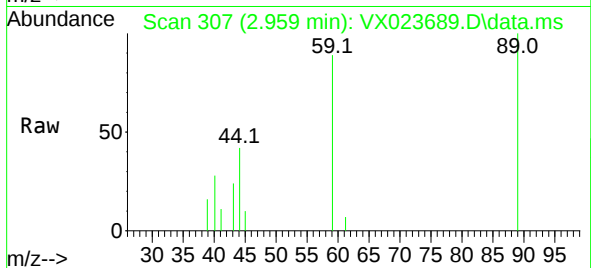


#11

Tert butyl alcohol
Concen: 3.825 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampled :

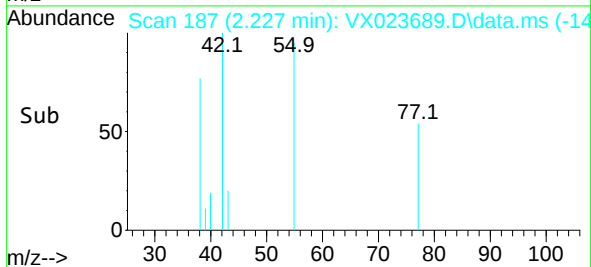
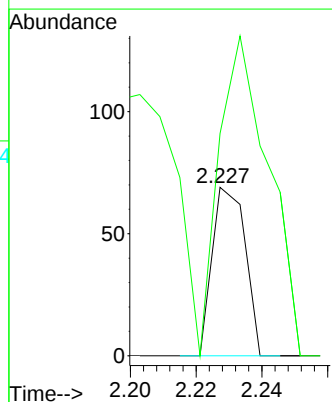
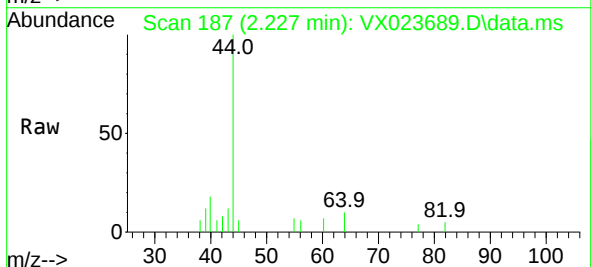
Tgt Ion: 59 Resp: 1557
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

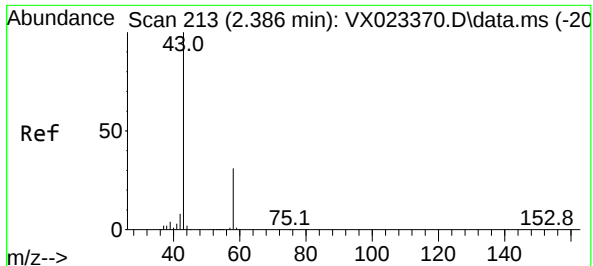


#13

Acrolein
Concen: 1.594 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 285.4 56.4 84.6#

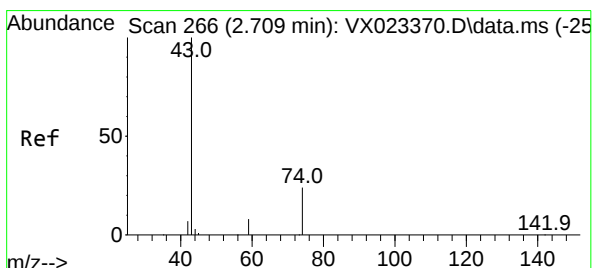
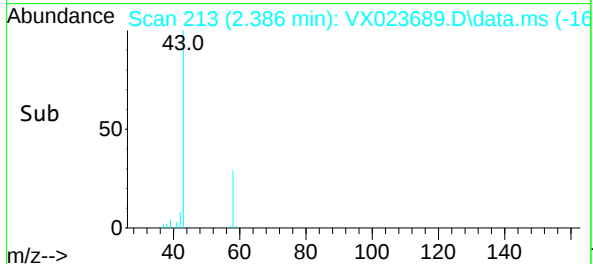
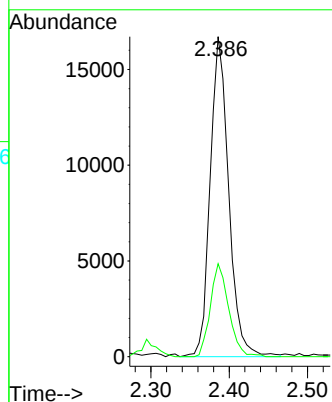
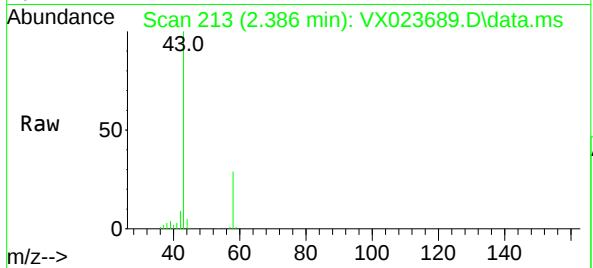




#16
Acetone
Concen: 31.434 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

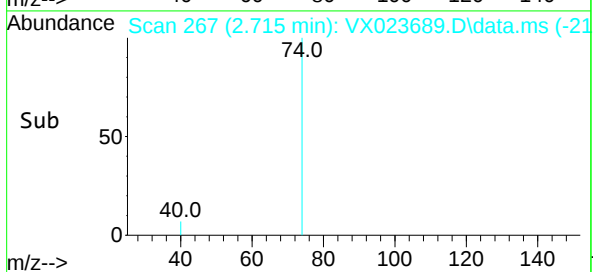
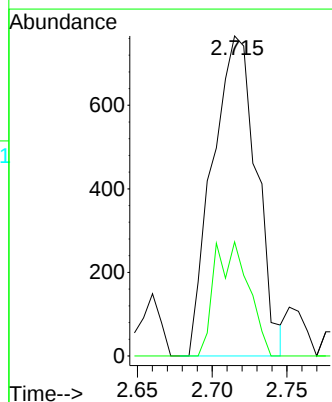
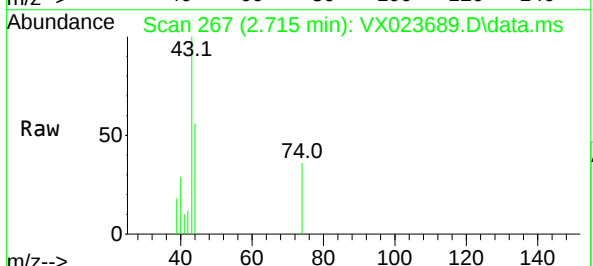
Instrument :
MSVOA_X
ClientSampled :

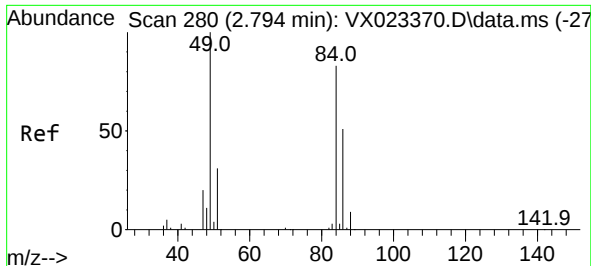
Tgt Ion: 43 Resp: 27473
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.756 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
74 27.5 21.9 32.9





#20

Methylene Chloride

Concen: 6.152 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 10458

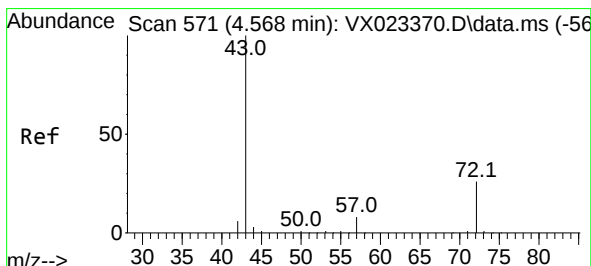
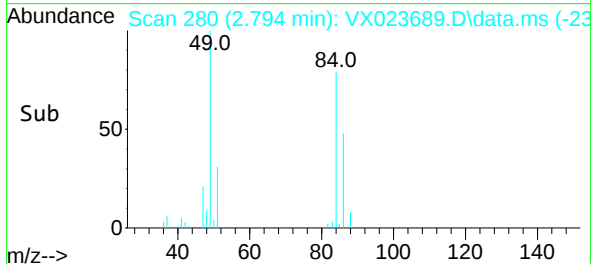
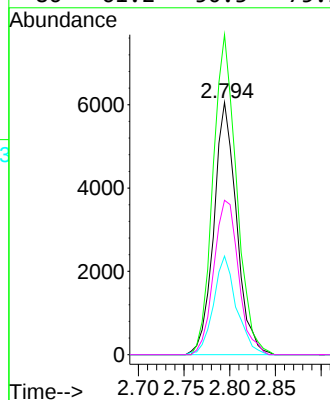
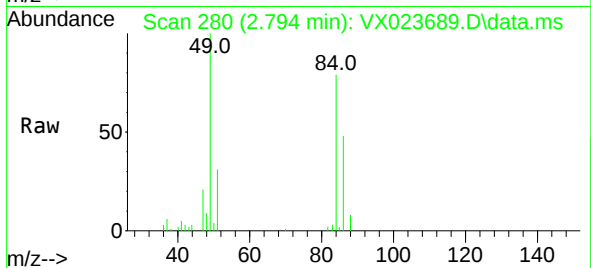
Ion Ratio Lower Upper

84 100

49 126.8 88.6 132.8

51 39.0 27.0 40.6

86 61.2 50.3 75.5



#25

2-Butanone

Concen: 3.123 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023689.D

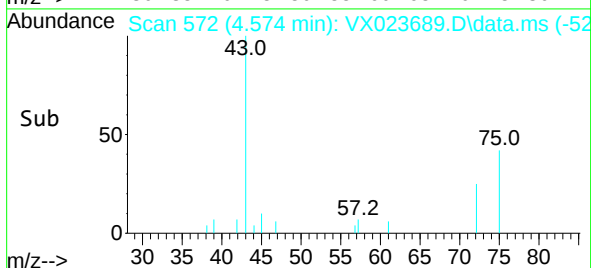
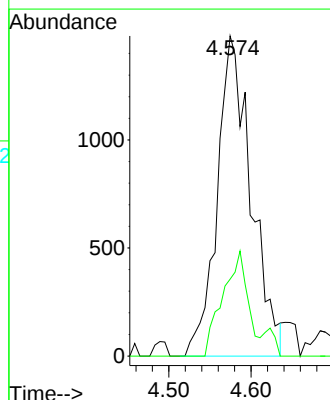
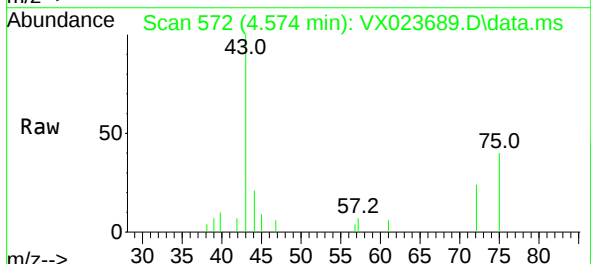
Acq: 13 Aug 2021 14:39

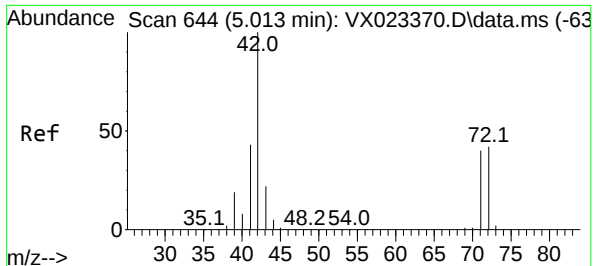
Tgt Ion: 43 Resp: 4237

Ion Ratio Lower Upper

43 100

72 24.0 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.732 ug/l

RT: 5.032 min Scan# 647

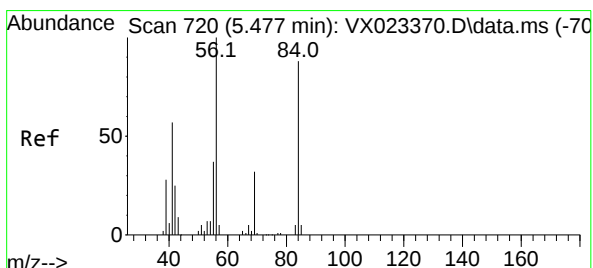
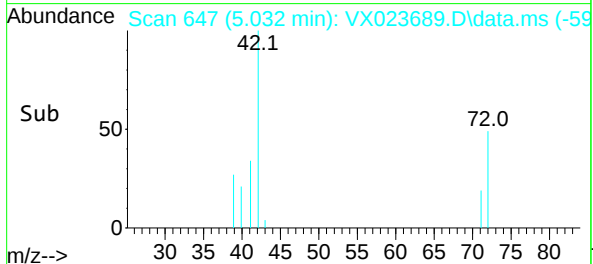
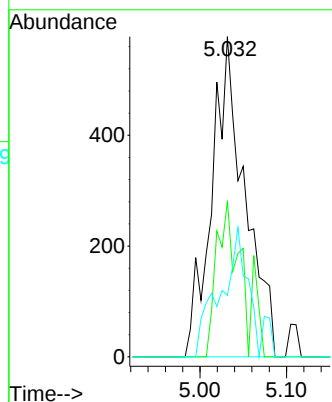
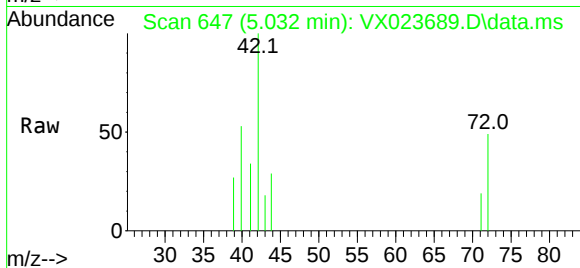
Delta R.T. 0.019 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

Tgt Ion:	42	Resp:	1540
Ion	Ratio	Lower	Upper
42	100		
72	31.6	41.7	62.5#
71	23.8	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.323 ug/l

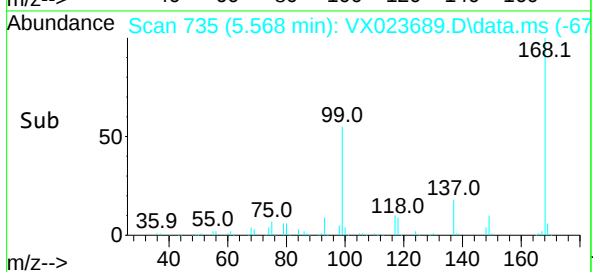
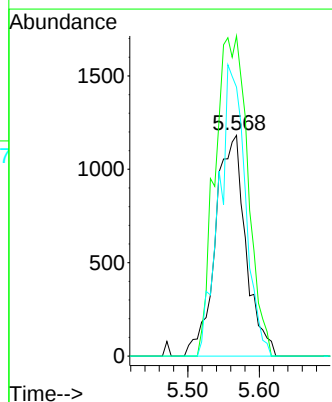
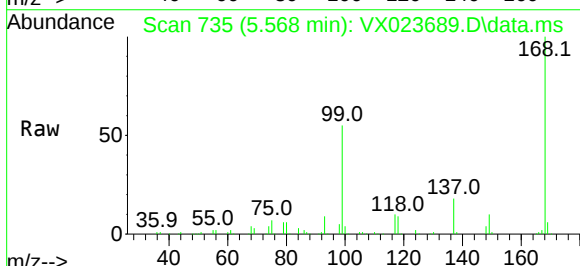
RT: 5.568 min Scan# 735

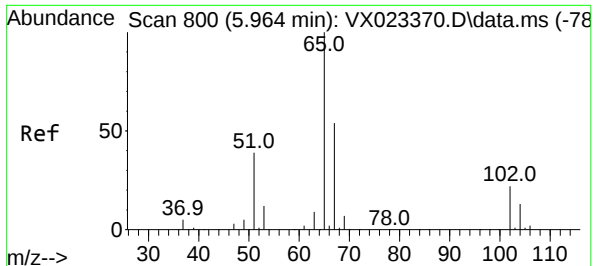
Delta R.T. 0.091 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

Tgt Ion:	56	Resp:	3491
Ion	Ratio	Lower	Upper
56	100		
69	145.0	25.3	37.9#
84	121.8	71.4	107.0#



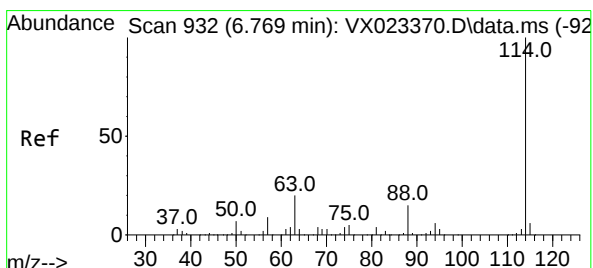
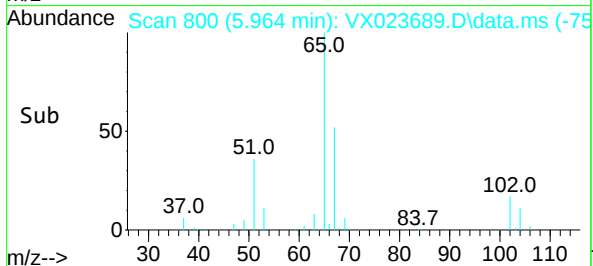
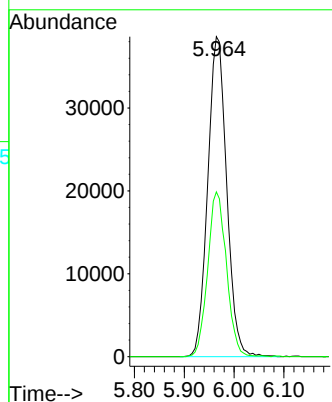
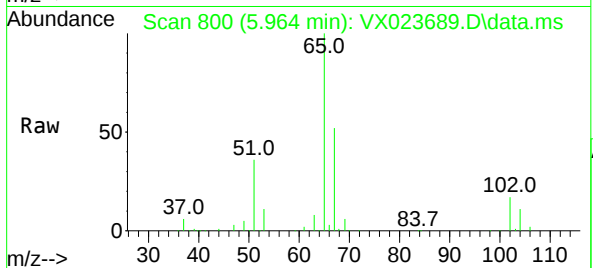


#33

1,2-Dichloroethane-d4
Concen: 57.135 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampleId :

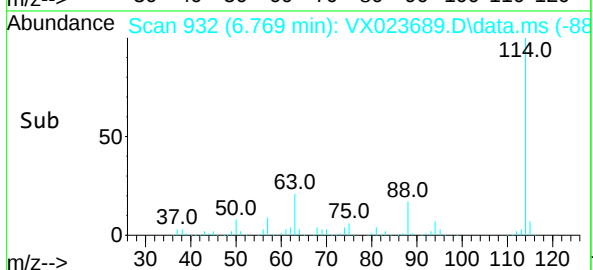
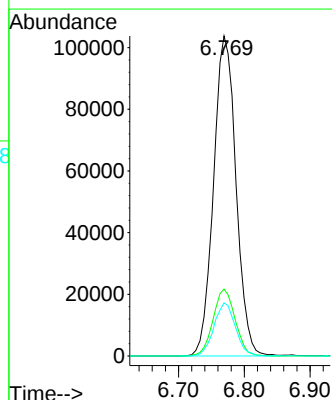
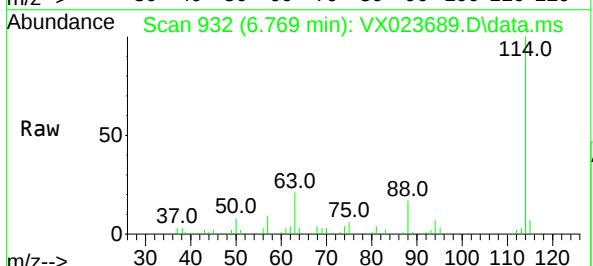
Tgt Ion: 65 Resp: 101798
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

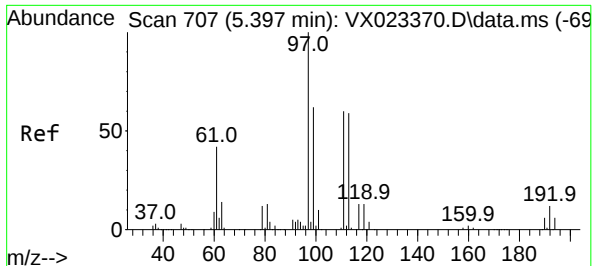


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 114 Resp: 246506
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.597 ug/l

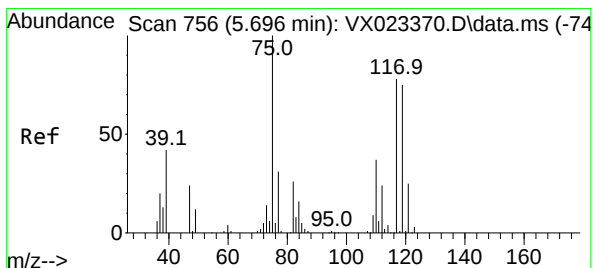
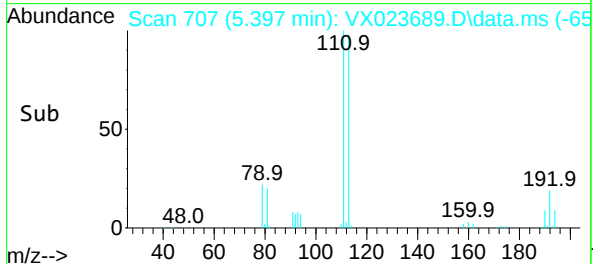
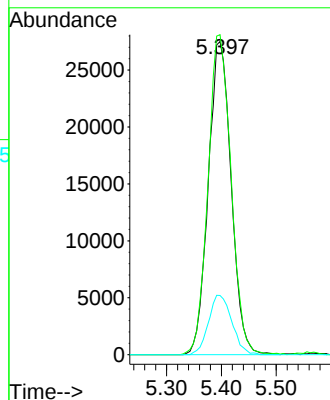
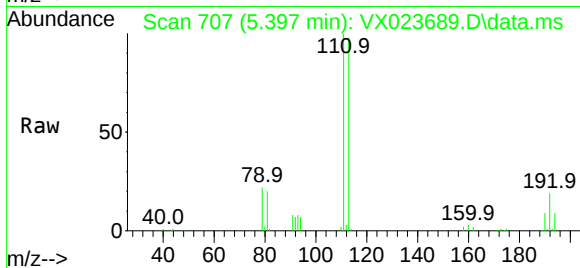
RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

Tgt Ion:	113	Resp:	79525
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	19.4	16.7	25.1



#36

1,1-Dichloropropene

Concen: 5.245 ug/l

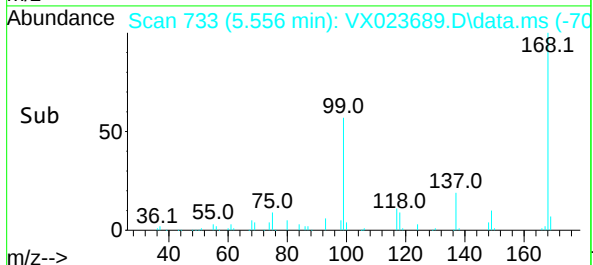
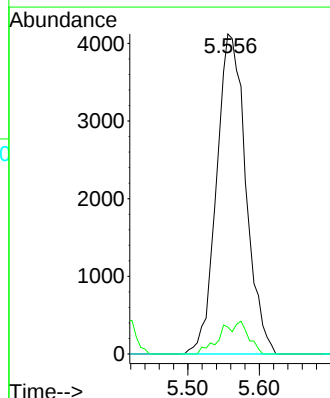
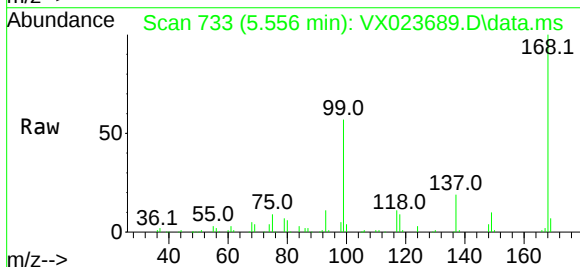
RT: 5.556 min Scan# 733

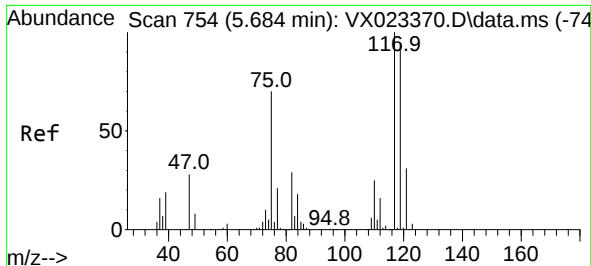
Delta R.T. -0.140 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

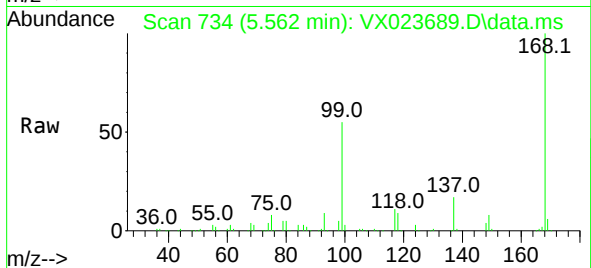
Tgt Ion:	75	Resp:	11696
Ion	Ratio	Lower	Upper
75	100		
110	5.0	18.1	54.4#
77	0.0	25.3	37.9#



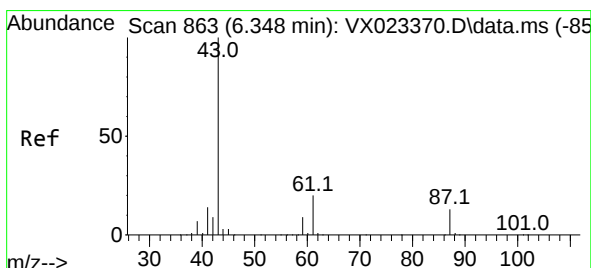
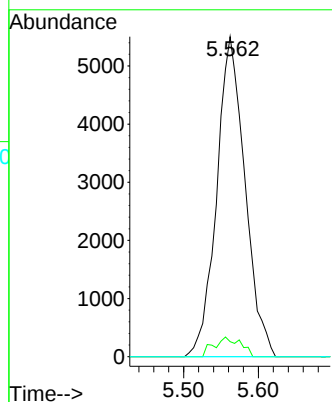
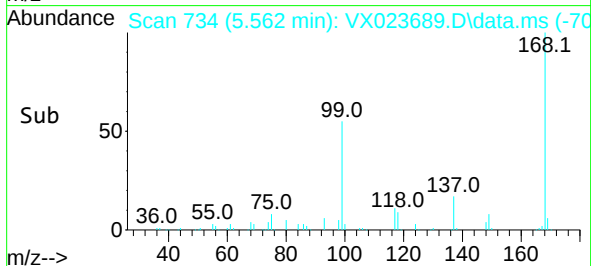


#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

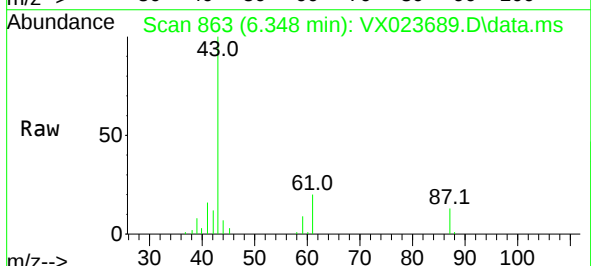
Instrument :
MSVOA_X
ClientSampled :



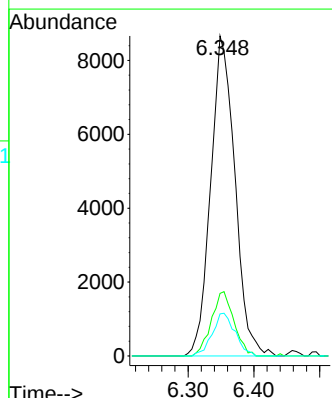
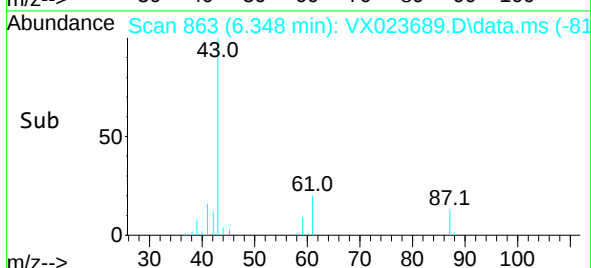
Tgt Ion:117 Resp: 14496
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

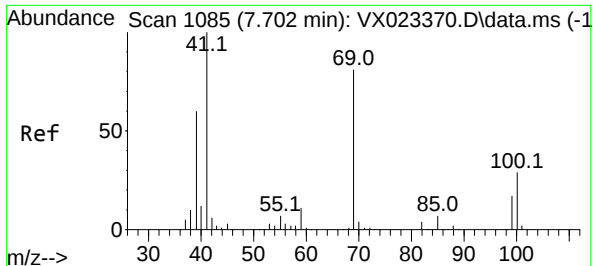


#43
Isopropyl Acetate
Concen: 5.103 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39



Tgt Ion: 43 Resp: 22232
Ion Ratio Lower Upper
43 100
61 18.7 18.2 27.4
87 12.6 12.5 18.7





#48

Methyl methacrylate

Concen: 62.565 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

Tgt Ion: 41 Resp: 126238

Ion Ratio Lower Upper

41 100

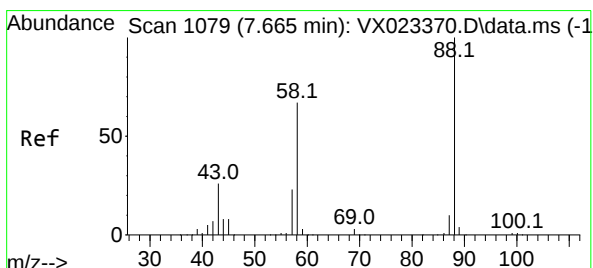
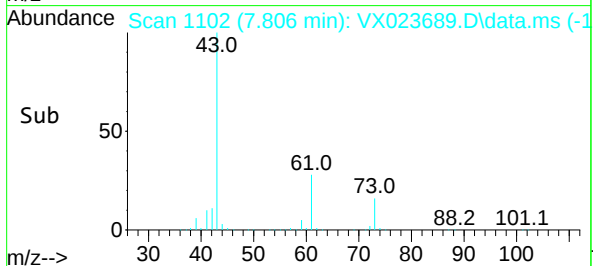
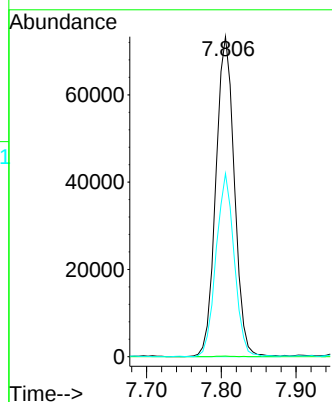
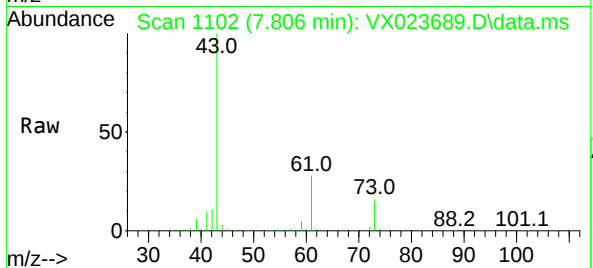
69 0.2 76.0 114.0#

39 56.0 44.6 67.0

Instrument :

MSVOA_X

ClientSampleId :



#49

1,4-Dioxane

Concen: 1.094 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX023689.D

Acq: 13 Aug 2021 14:39

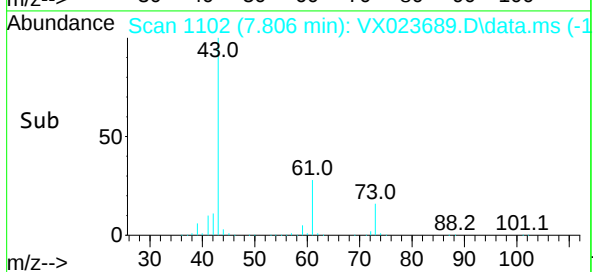
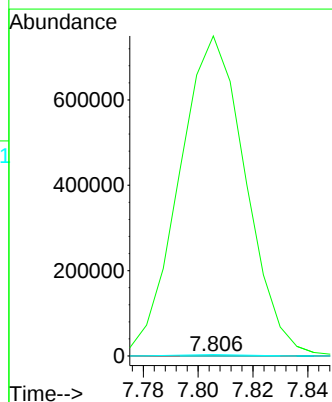
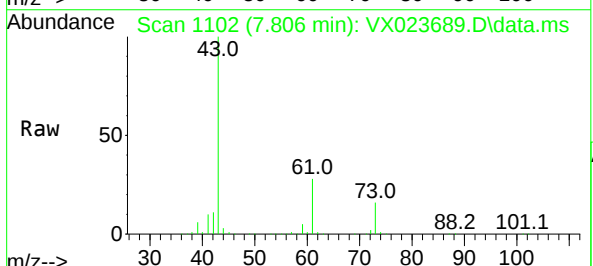
Tgt Ion: 88 Resp: 47

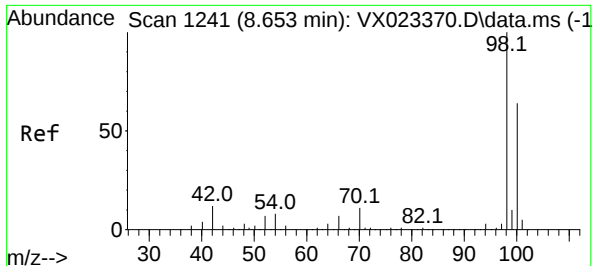
Ion Ratio Lower Upper

88 100

43 2719070.2 23.2 34.8#

58 12180.9 55.0 82.4#

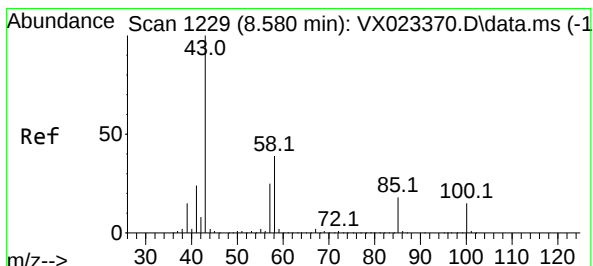
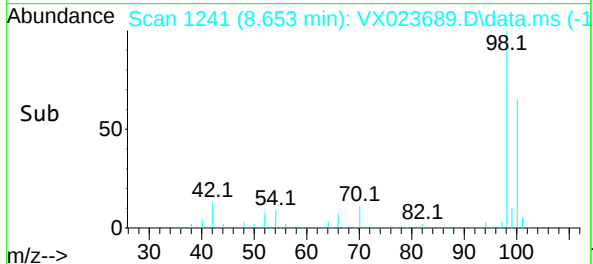
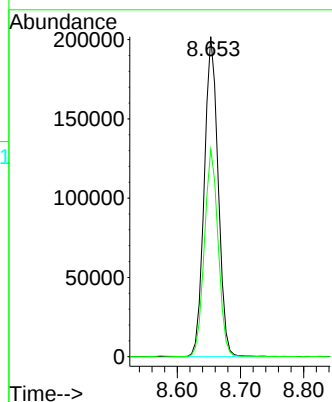
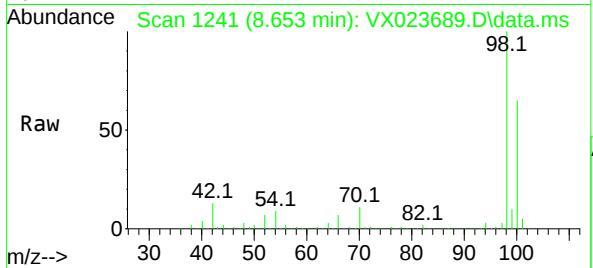




#50
Toluene-d8
Concen: 54.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

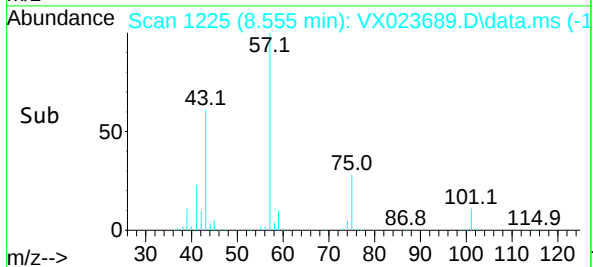
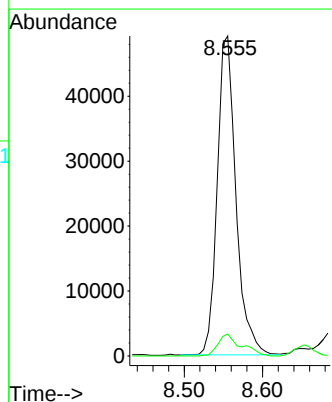
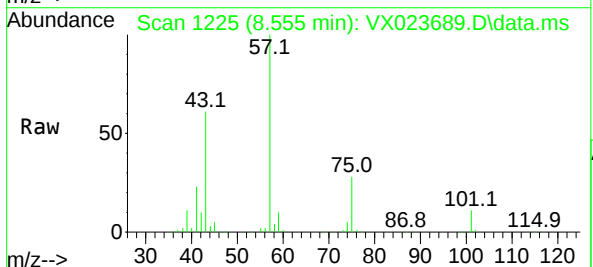
Instrument :
MSVOA_X
ClientSampled :

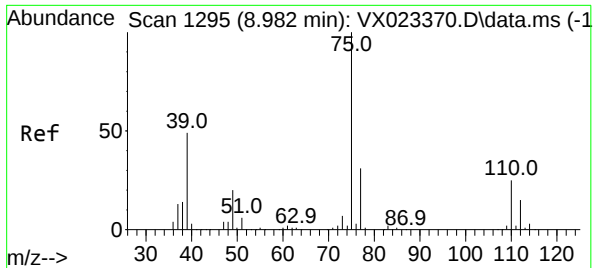
Tgt Ion: 98 Resp: 308730
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.595 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 43 Resp: 81528
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

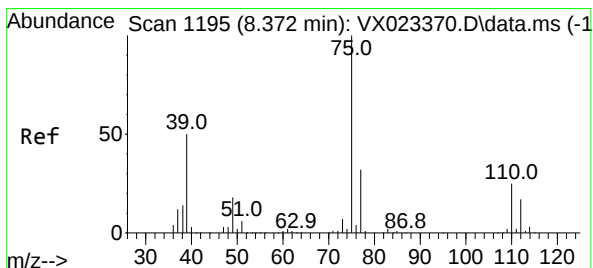
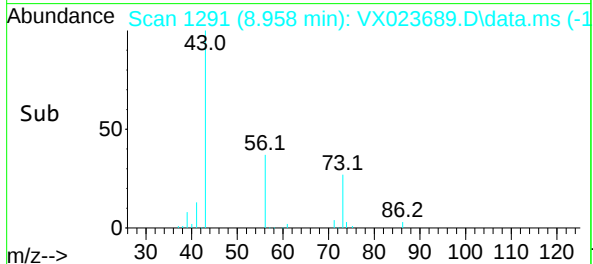
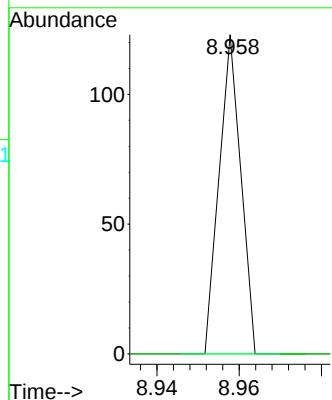
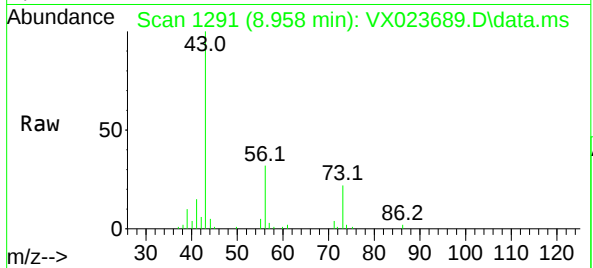




#53
t-1,3-Dichloropropene
Concen: 1.833 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

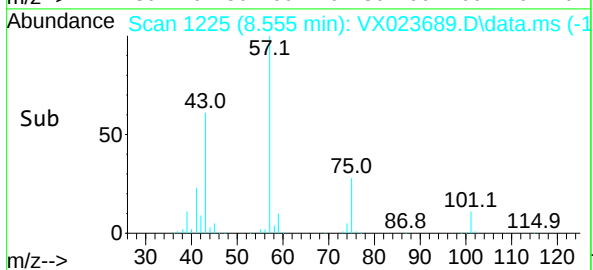
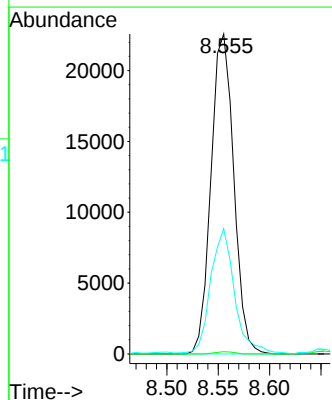
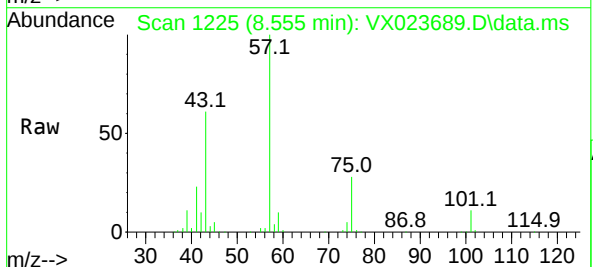
Instrument :
MSVOA_X
ClientSampled :

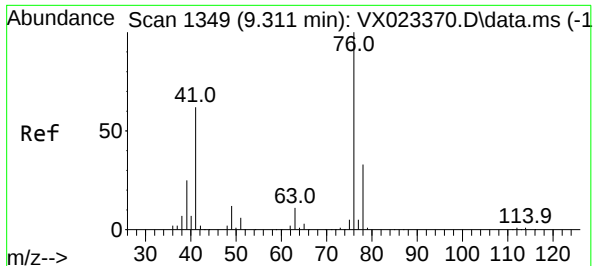
Tgt Ion: 75 Resp: 45
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.024 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 75 Resp: 34713
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 38.8 35.1 52.7

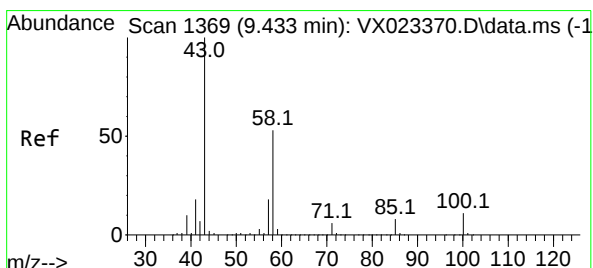
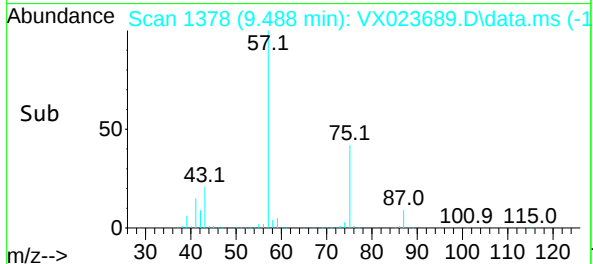
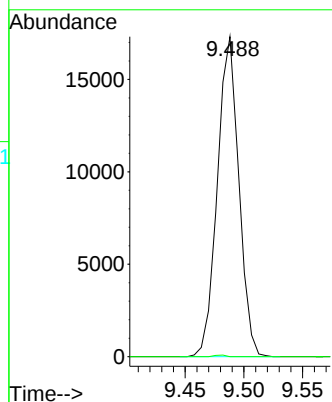
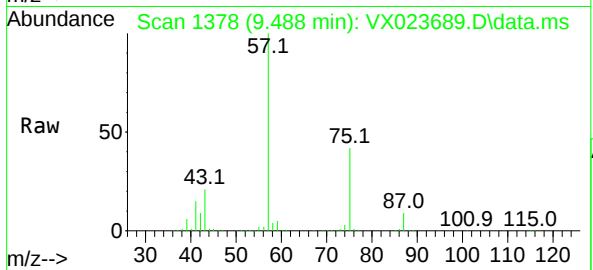




#57
1,3-Dichloropropane
Concen: 7.809 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

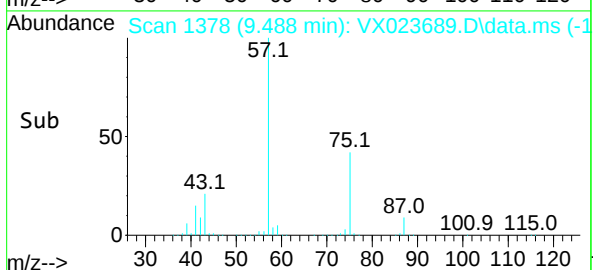
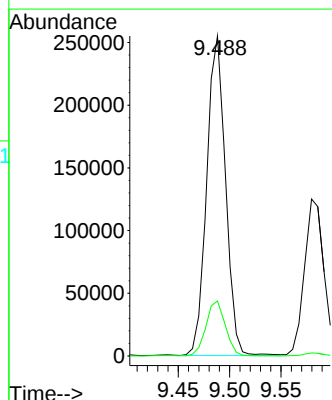
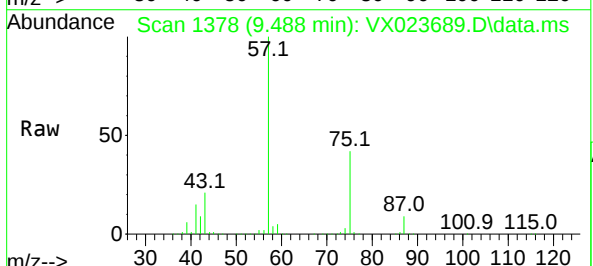
Instrument :
MSVOA_X
ClientSampled :

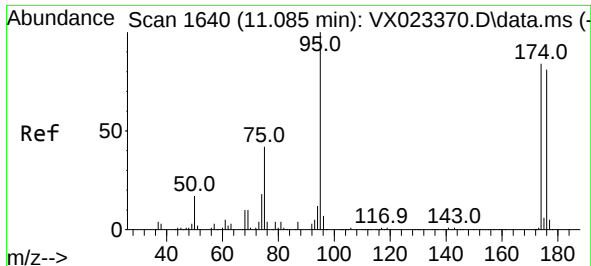
Tgt Ion: 76 Resp: 22010
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 160.651 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 43 Resp: 325087
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#

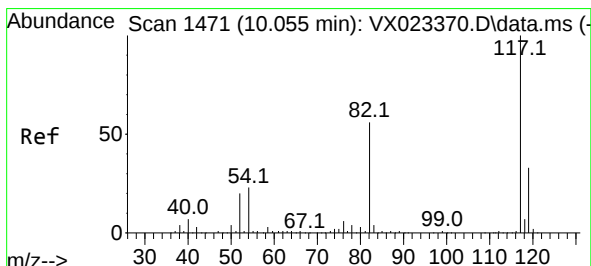
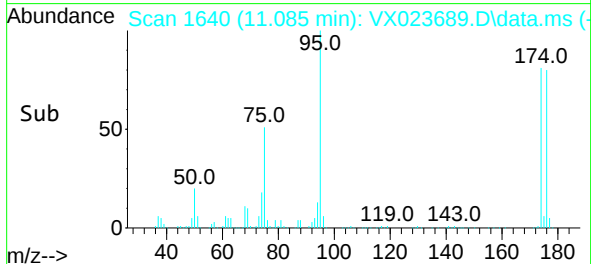
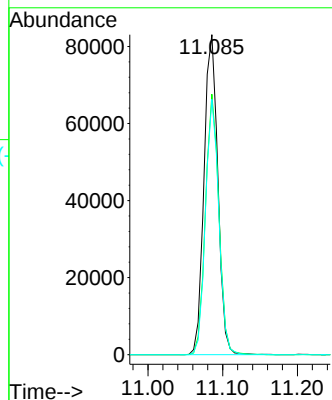
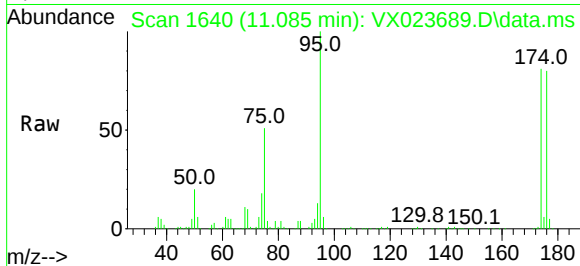




#62
4-Bromofluorobenzene
Concen: 55.303 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

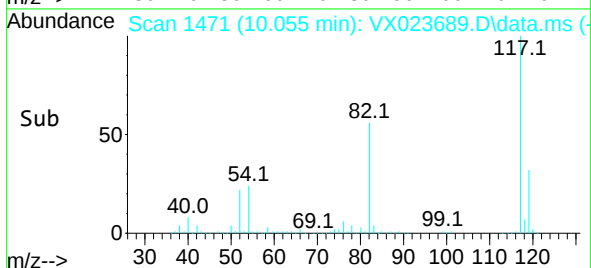
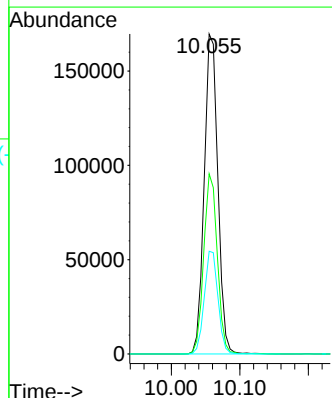
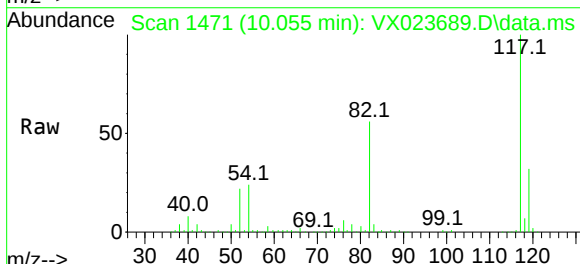
Instrument :
MSVOA_X
ClientSampleId :

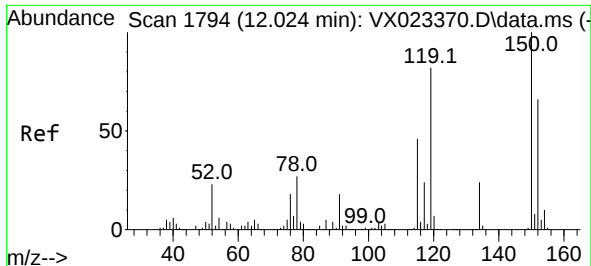
Tgt Ion: 95 Resp: 106487
Ion Ratio Lower Upper
95 100
174 79.3 0.0 154.6
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 117 Resp: 235231
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 32.1 26.6 39.8

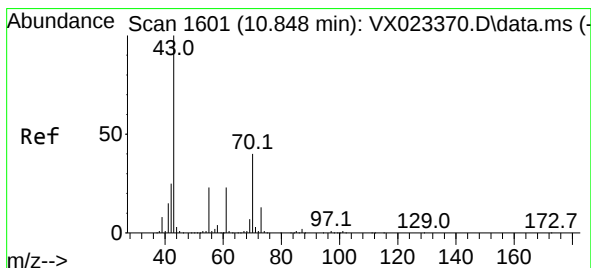
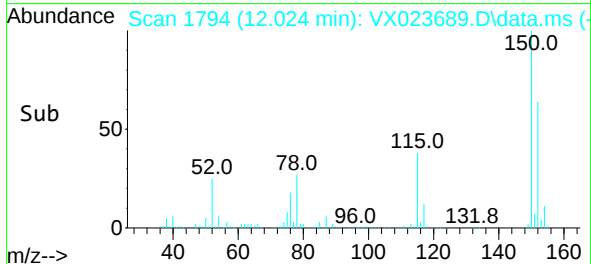
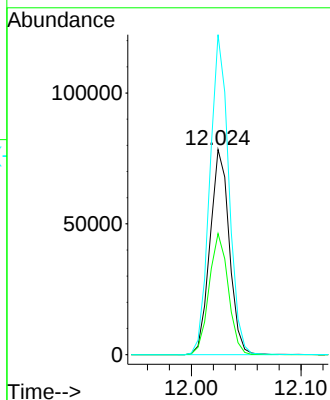
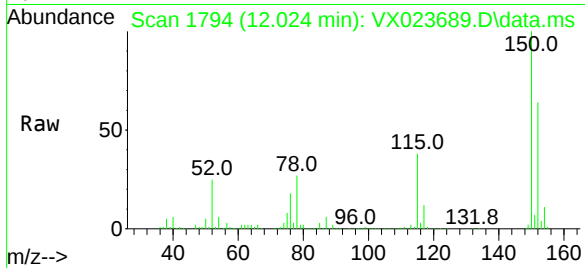




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

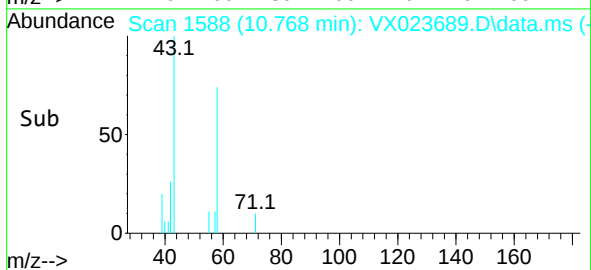
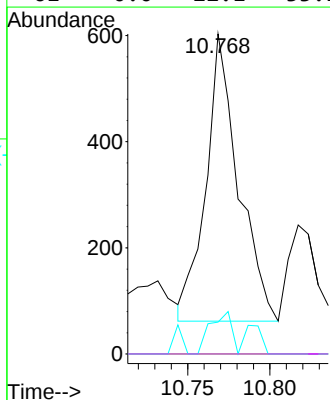
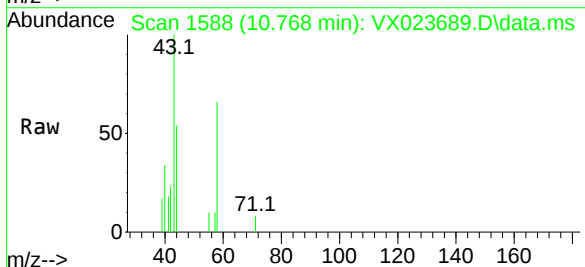
Instrument :
MSVOA_X
ClientSampled :

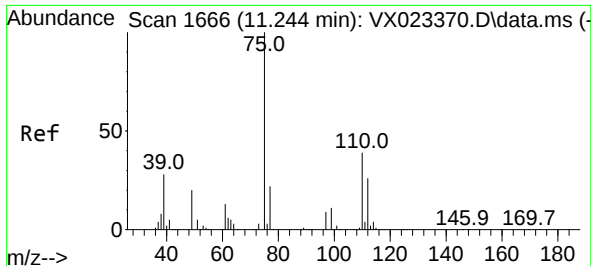
Tgt Ion:152 Resp: 95980
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 153.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.225 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 9.7 21.5 32.3#
61 0.0 22.1 33.1#

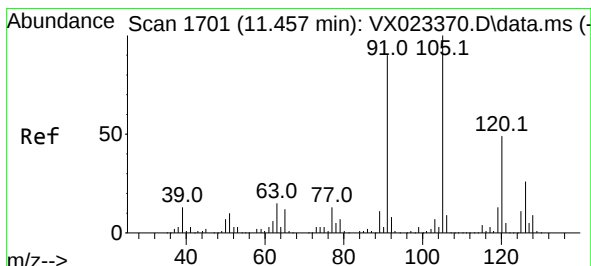
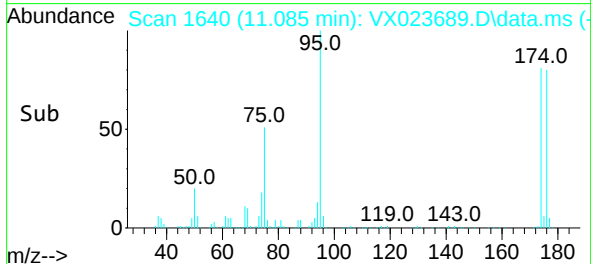
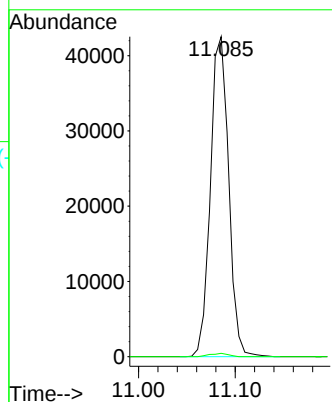
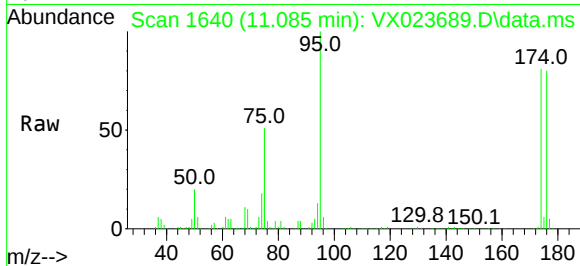




#76
1,2,3-Trichloropropane
Concen: 26.386 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

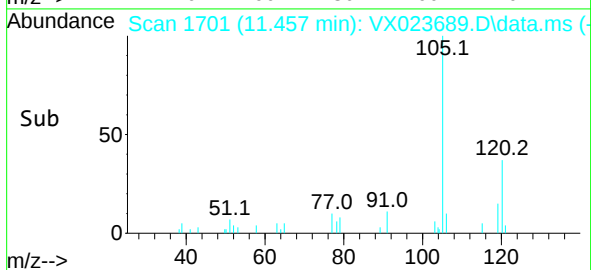
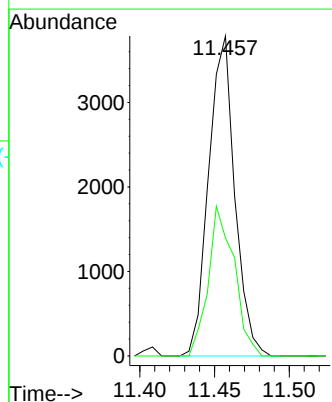
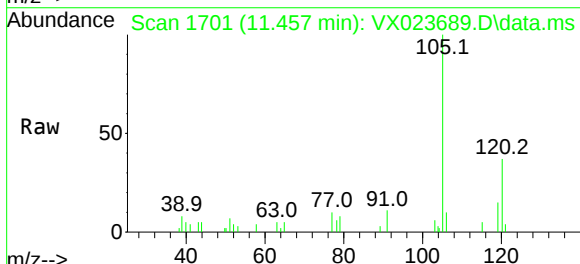
Instrument :
MSVOA_X
ClientSampled :

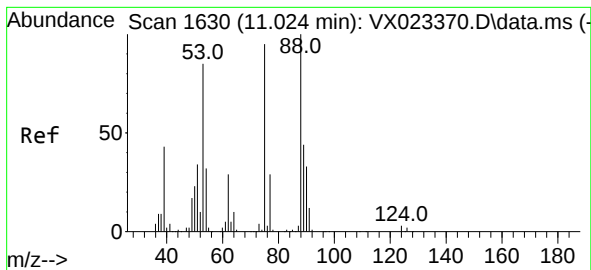
Tgt Ion: 75 Resp: 55730
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.781 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023689.D
Acq: 13 Aug 2021 14:39

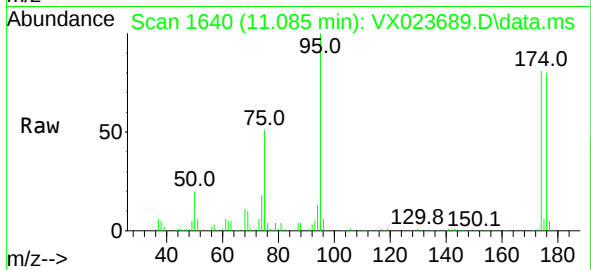
Tgt Ion: 105 Resp: 4604
Ion Ratio Lower Upper
105 100
120 46.3 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.949 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023689.D
 Acq: 13 Aug 2021 14:39

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 55730
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

