

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023685.D
 Acq On : 13 Aug 2021 13:05
 Operator : JC/MD
 Sample : PB138358ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:24:14 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)

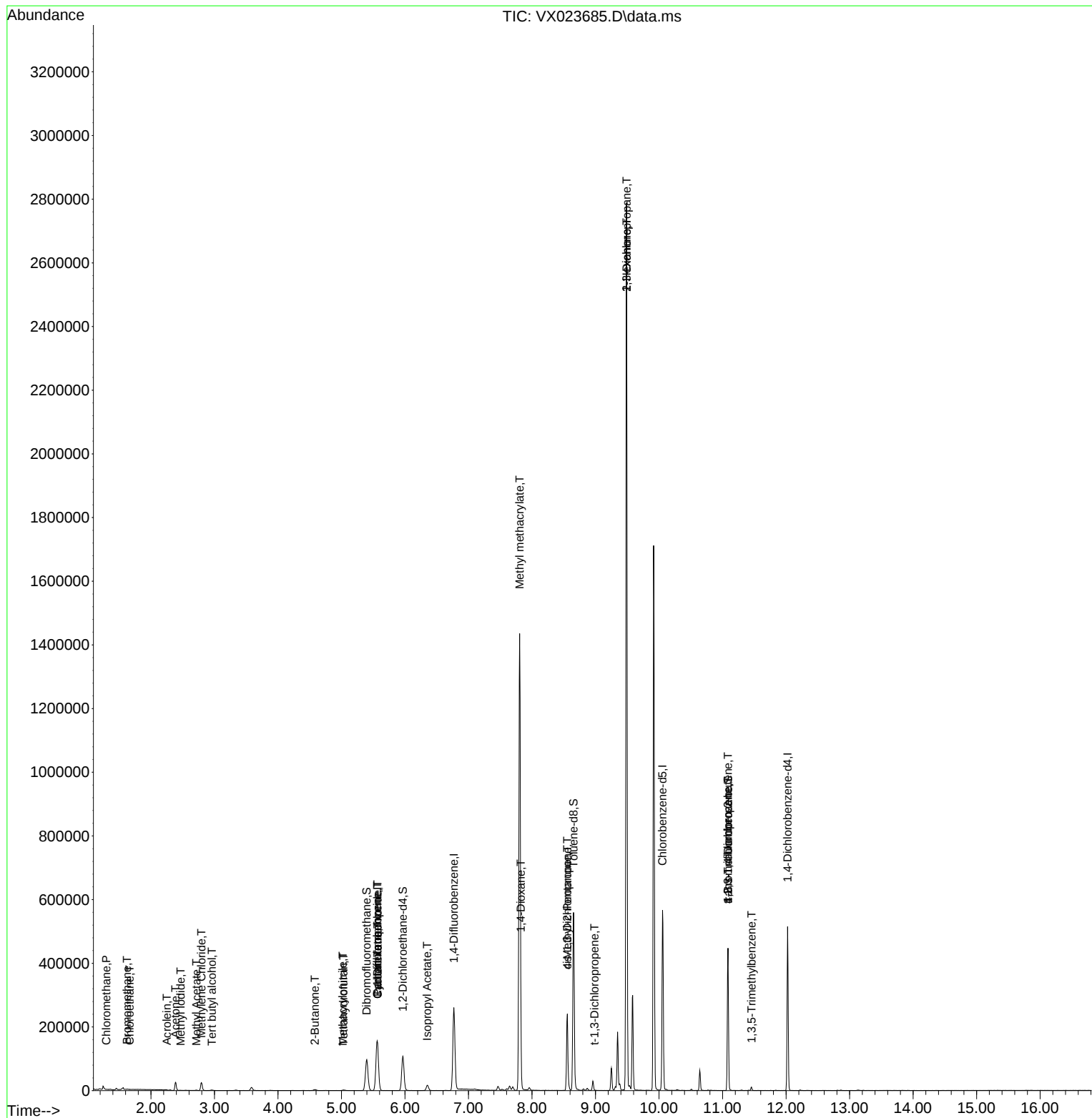
Internal Standards						
1) Pentafluorobenzene	5.562	168	150901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254888	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104593	55.565	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.120%
35) Dibromofluoromethane	5.397	113	82149	51.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.100%
50) Toluene-d8	8.653	98	322313	55.047	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	110.100%
62) 4-Bromofluorobenzene	11.085	95	111664	56.084	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	371	0.229	ug/l #	78
5) Bromomethane	1.624	94	538	0.554	ug/l #	72
6) Chloroethane	1.666	64	374	0.372	ug/l #	43
10) Methyl Iodide	2.465	142	685	0.366	ug/l #	86
11) Tert butyl alcohol	2.959	59	1606	3.735	ug/l #	77
13) Acrolein	2.252	56	113	1.878	ug/l #	14
16) Acetone	2.386	43	26876	29.106	ug/l	93
18) Methyl Acetate	2.715	43	1533	0.698	ug/l	91
20) Methylene Chloride	2.794	84	11255	6.266	ug/l	92
25) 2-Butanone	4.580	43	4523	3.155	ug/l #	79
29) Tetrahydrofuran	5.032	42	1609	1.712	ug/l #	78
31) Cyclohexane	5.568	56	3419	1.226	ug/l #	25
36) 1,1-Dichloropropene	5.562	75	11666	5.060	ug/l #	50
38) Carbon Tetrachloride	5.568	117	15080	6.431	ug/l #	18
41) Methacrylonitrile	5.019	41	1065	0.694	ug/l #	40
43) Isopropyl Acetate	6.348	43	23296	5.171	ug/l	92
48) Methyl methacrylate	7.805	41	129609	62.123	ug/l #	38
49) 1,4-Dioxane	7.824	88	154	3.466	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83938	30.463	ug/l #	45
53) t-1,3-Dichloropropene	8.982	75	49	1.834	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34999	12.700	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	22243	7.632	ug/l #	43
59) 2-Hexanone	9.488	43	333401	159.342	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	59170	26.616	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4358	0.702	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.085	75	59170	71.568	ug/l #	12

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

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MSVOA_X
ClientSampleId :

Quant Time: Aug 14 05:24:14 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

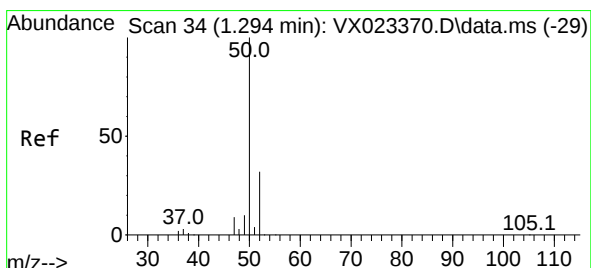
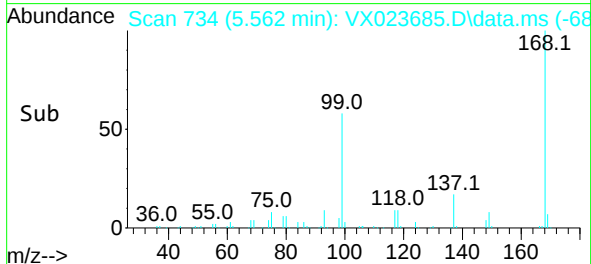
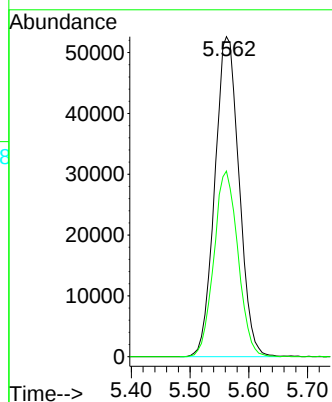
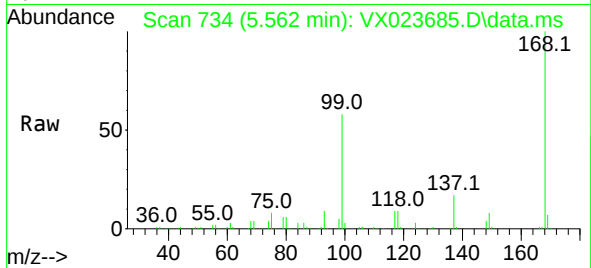




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

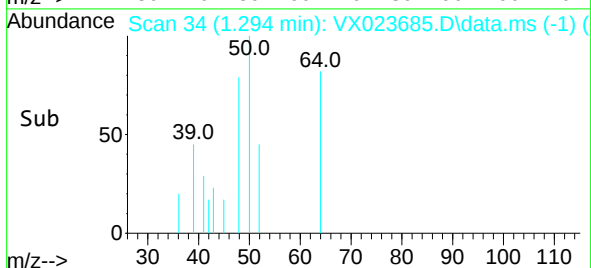
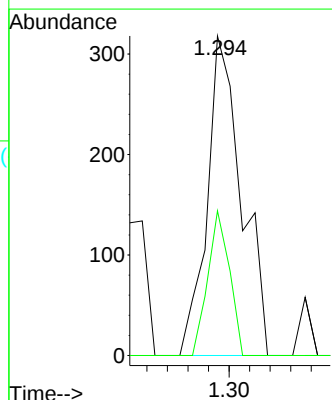
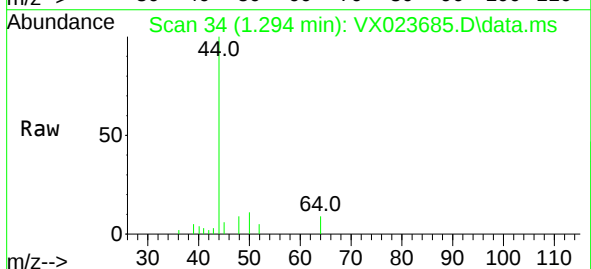
Instrument :
MSVOA_X
ClientSampled :

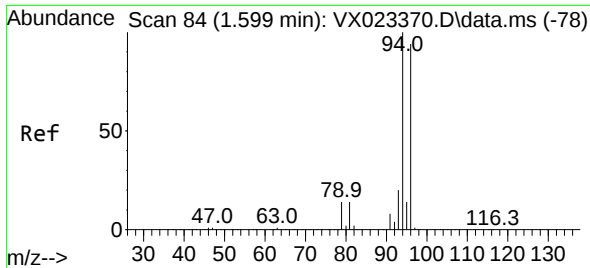
Tgt Ion:168 Resp: 150901
Ion Ratio Lower Upper
168 100
99 58.0 45.8 68.6



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 45.3 26.4 39.6#

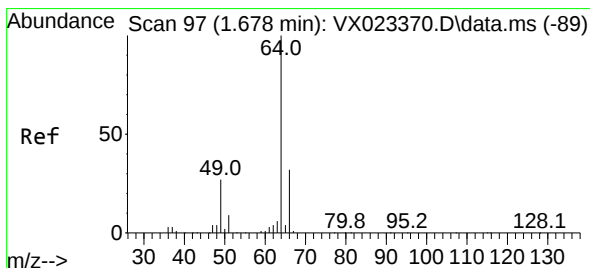
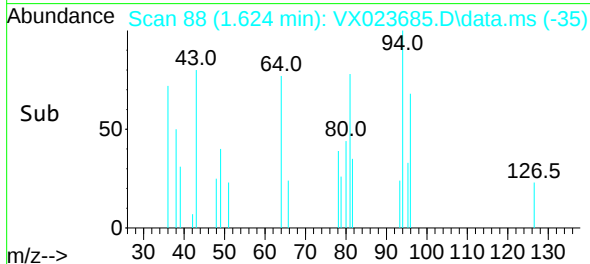
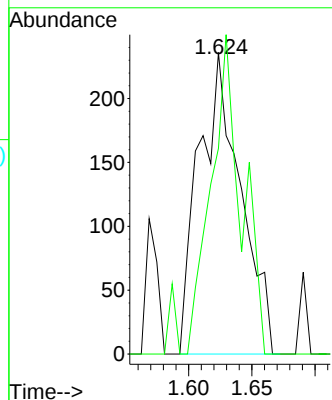
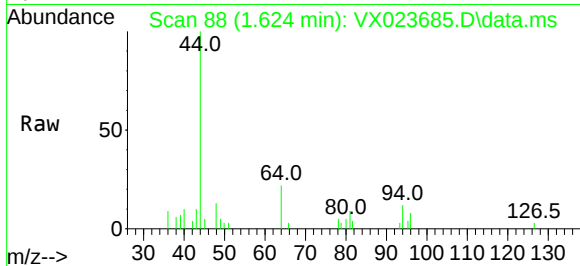




#5
Bromomethane
Concen: 0.554 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

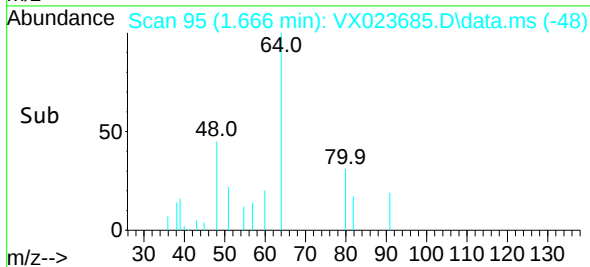
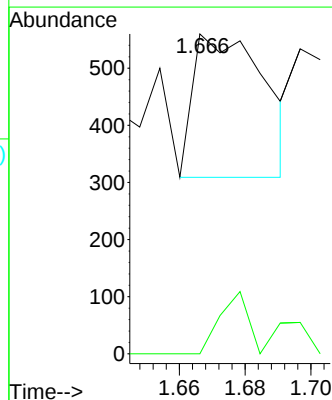
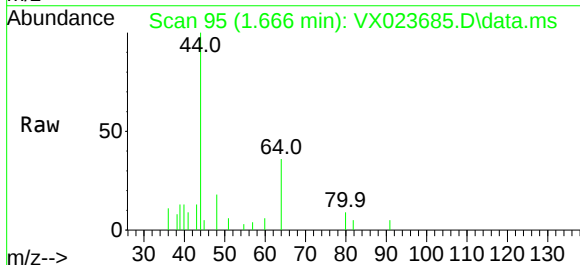
Instrument :
MSVOA_X
ClientSampled :

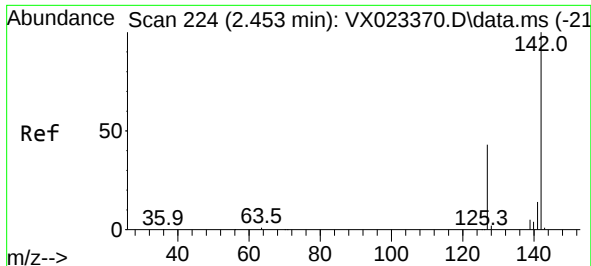
Tgt Ion: 94 Resp: 538
Ion Ratio Lower Upper
94 100
96 68.2 76.4 114.6#



#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

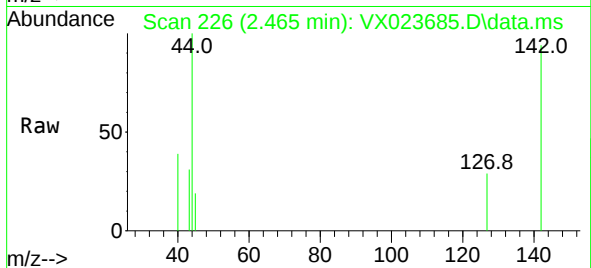
Tgt Ion: 64 Resp: 374
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



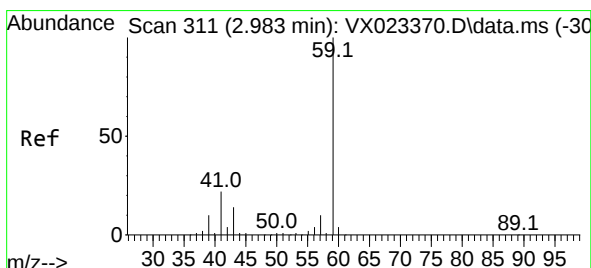
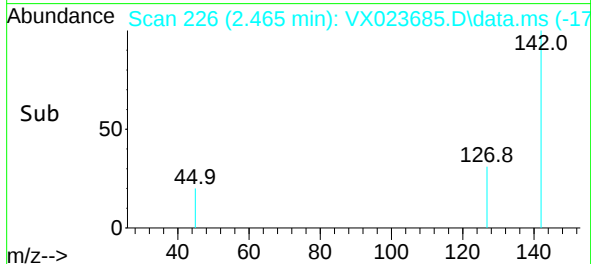
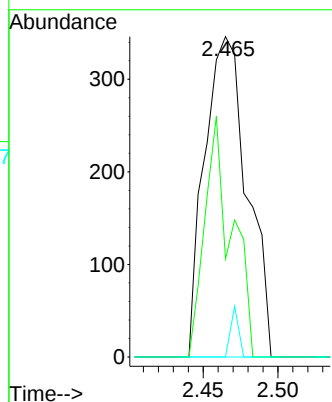


#10
Methyl Iodide
Concen: 0.366 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Instrument :
MSVOA_X
ClientSampleId :

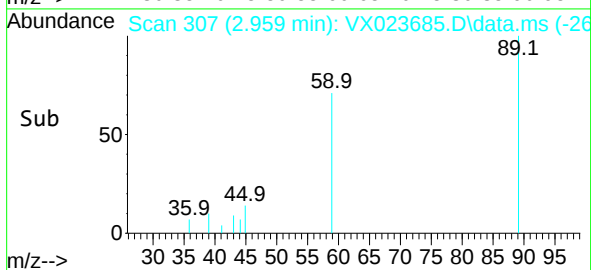
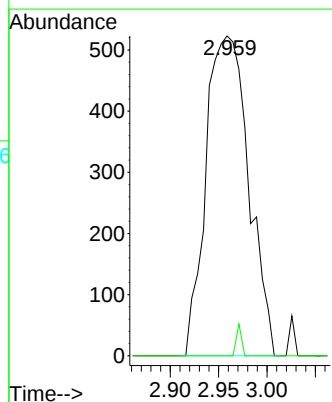
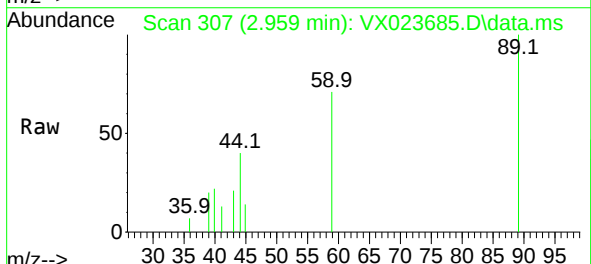


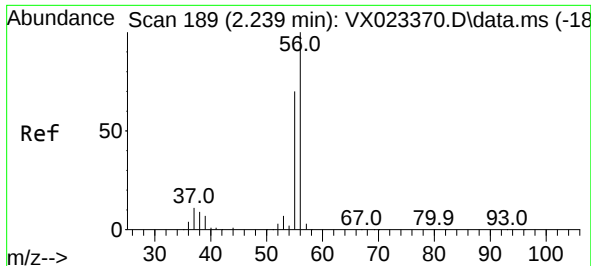
Tgt Ion:142 Resp: 685
Ion Ratio Lower Upper
142 100
127 47.7 33.3 49.9
141 2.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.735 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 59 Resp: 1606
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#

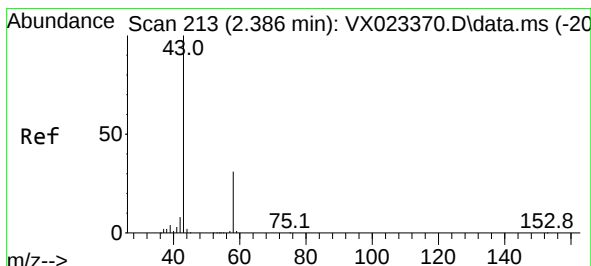
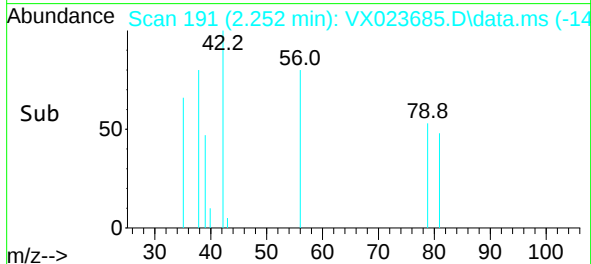
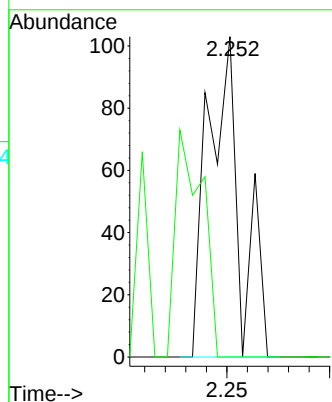
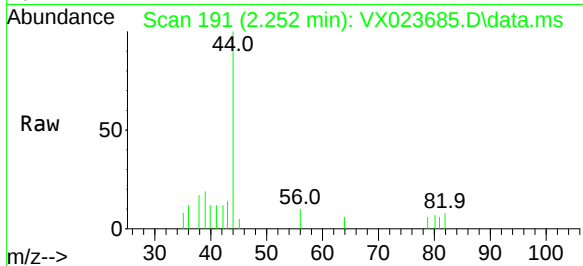




#13
Acrolein
Concen: 1.878 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

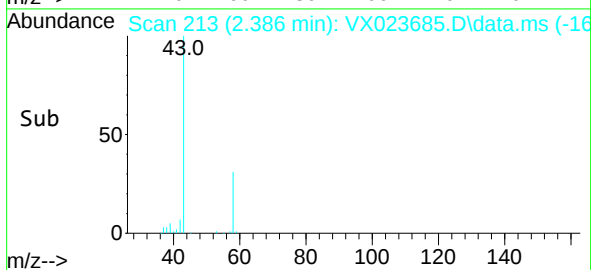
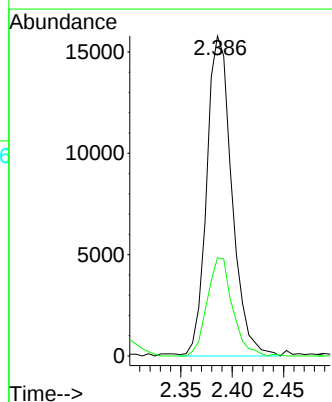
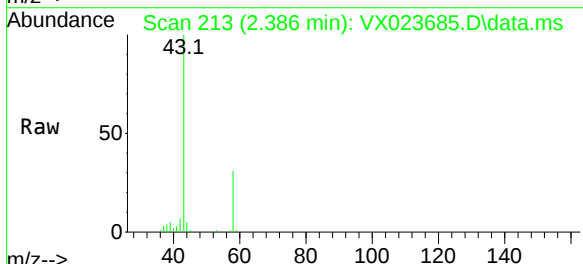
Instrument :
MSVOA_X
ClientSampled :

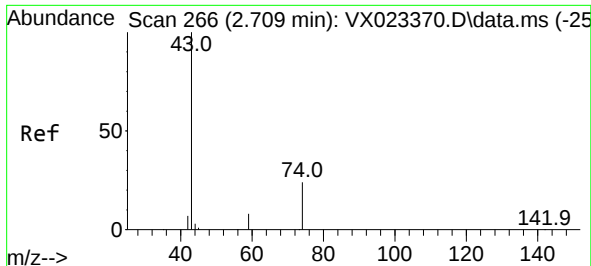
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 29.106 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 43 Resp: 26876
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8





#18

Methyl Acetate

Concen: 0.698 ug/l

RT: 2.715 min Scan# 267

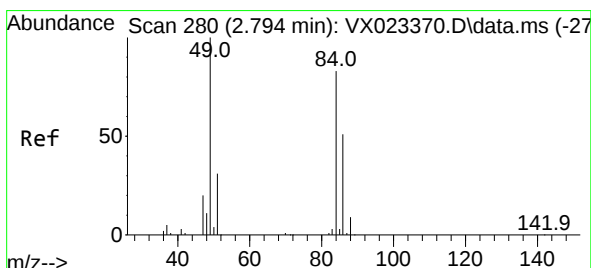
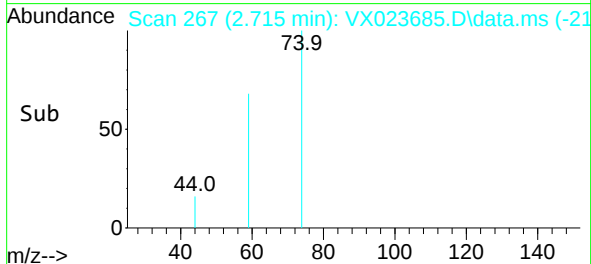
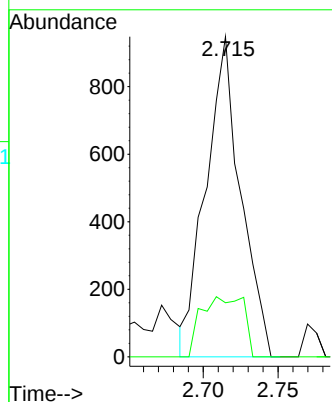
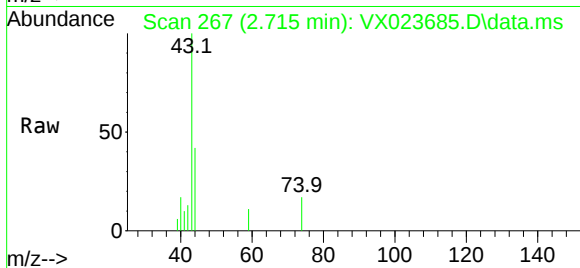
Delta R.T. 0.006 min

Lab File: VX023685.D

Acq: 13 Aug 2021 13:05

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 22.8 21.9 32.9



#20

Methylene Chloride

Concen: 6.266 ug/l

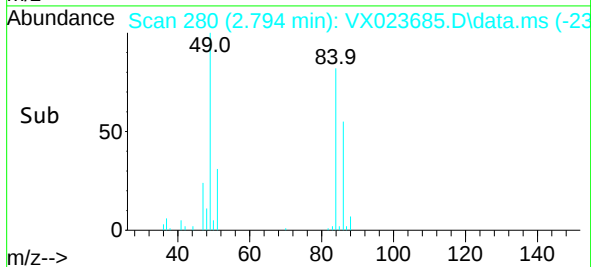
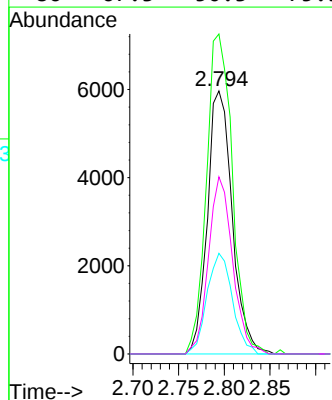
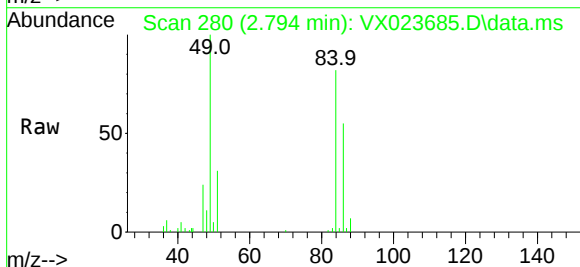
RT: 2.794 min Scan# 280

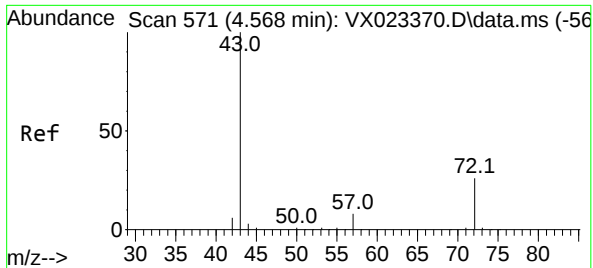
Delta R.T. 0.000 min

Lab File: VX023685.D

Acq: 13 Aug 2021 13:05

Tgt Ion: 84 Resp: 11255
Ion Ratio Lower Upper
84 100
49 121.6 88.6 132.8
51 38.3 27.0 40.6
86 67.3 50.3 75.5

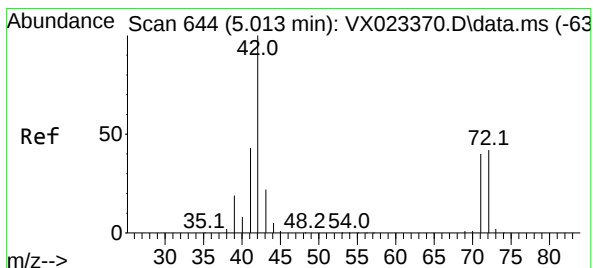
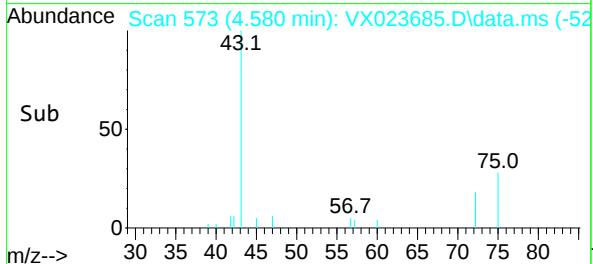
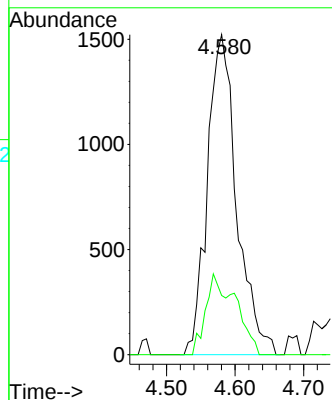
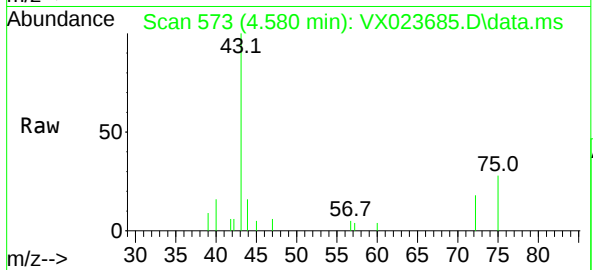




#25
2-Butanone
Concen: 3.155 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

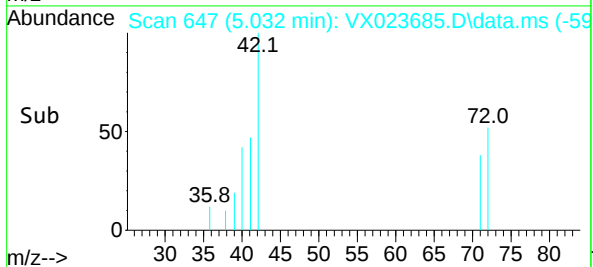
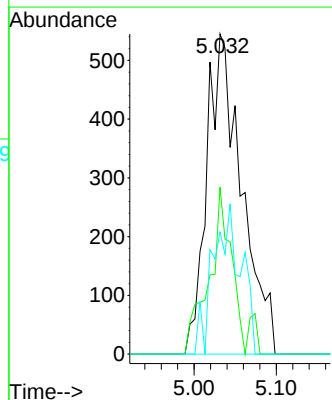
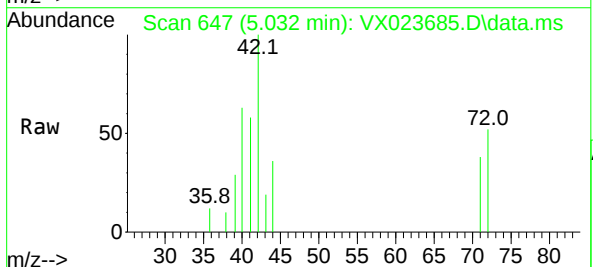
Instrument :
MSVOA_X
ClientSampled :

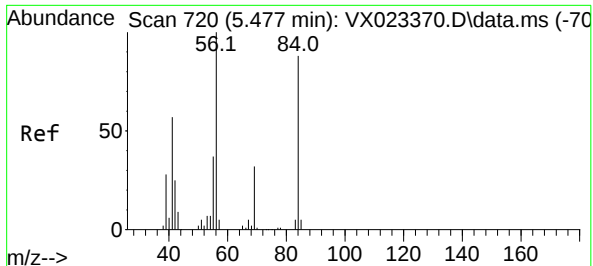
Tgt Ion: 43 Resp: 4523
Ion Ratio Lower Upper
43 100
72 18.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.712 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 42 Resp: 1609
Ion Ratio Lower Upper
42 100
72 33.1 41.7 62.5#
71 36.9 38.4 57.6#

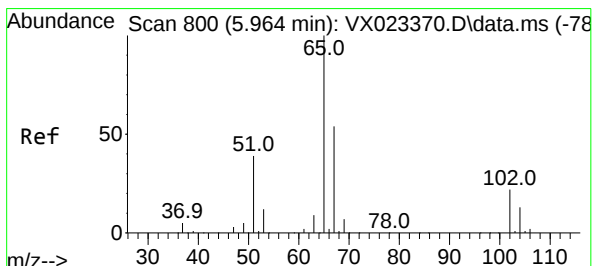
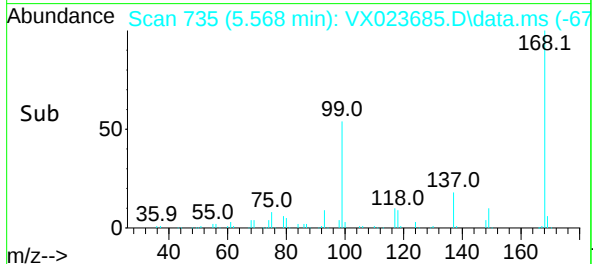
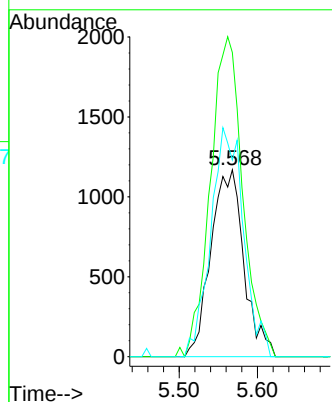
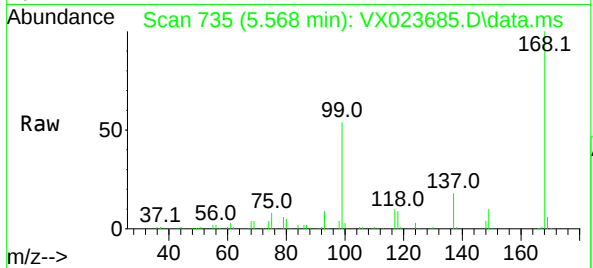




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

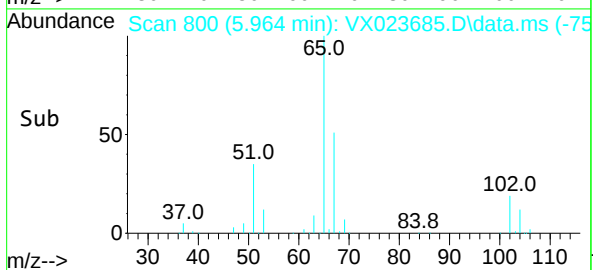
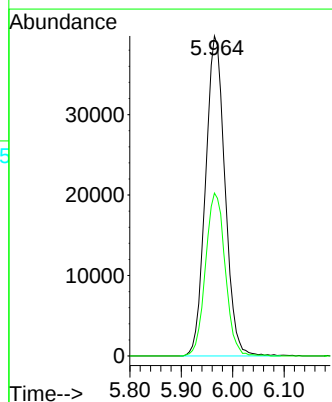
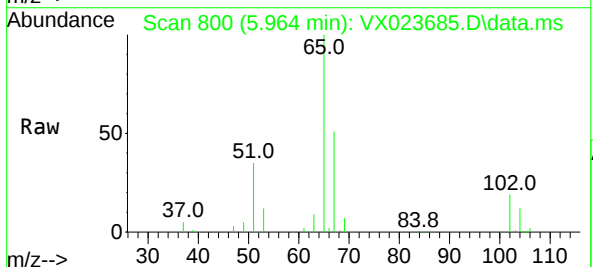
Instrument :
MSVOA_X
ClientSampleId :

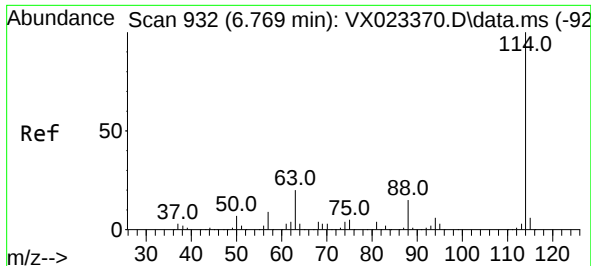
Tgt Ion: 56 Resp: 3419
Ion Ratio Lower Upper
56 100
69 162.8 25.3 37.9#
84 105.2 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 55.565 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 65 Resp: 104593
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

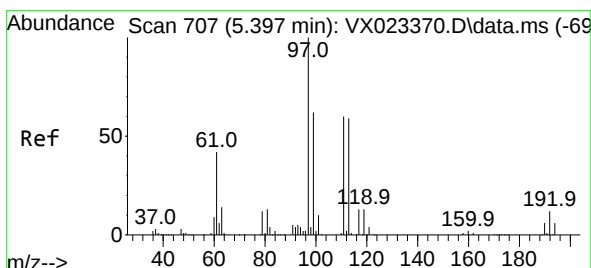
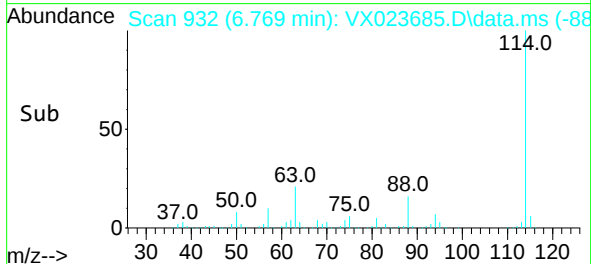
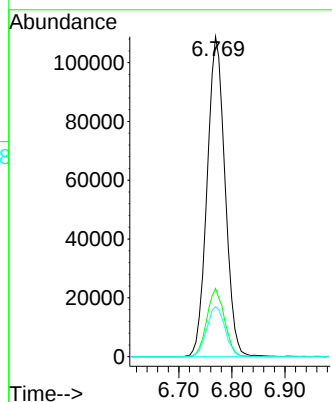
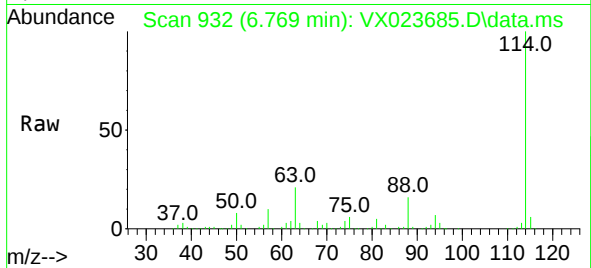




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

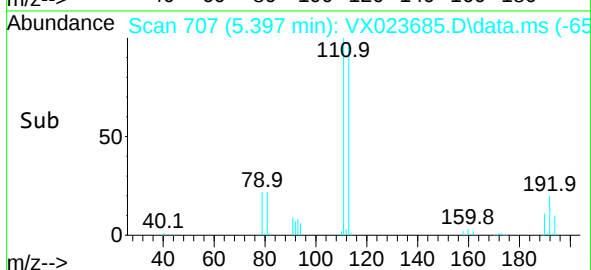
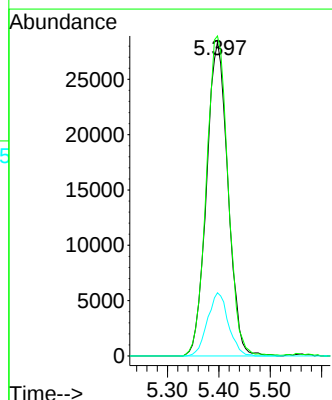
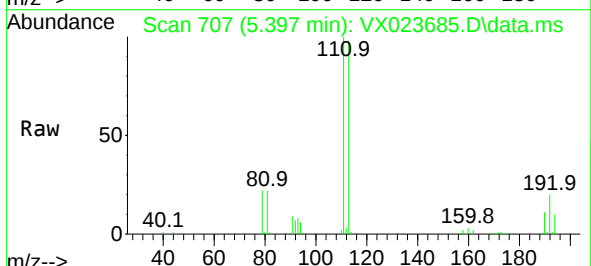
Instrument :
MSVOA_X
ClientSampled :

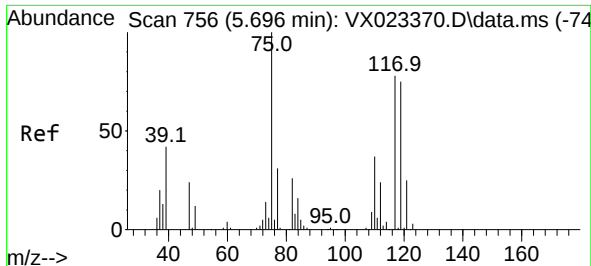
Tgt Ion:114 Resp: 254888
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.547 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

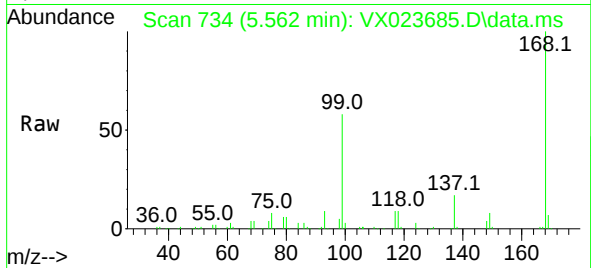
Tgt Ion:113 Resp: 82149
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.6 16.7 25.1



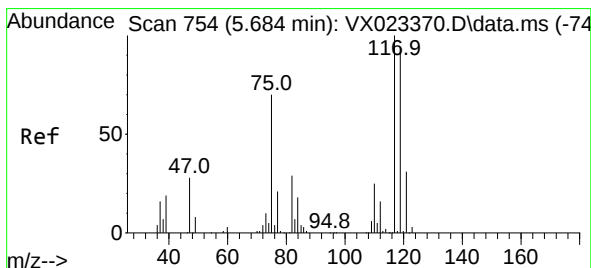
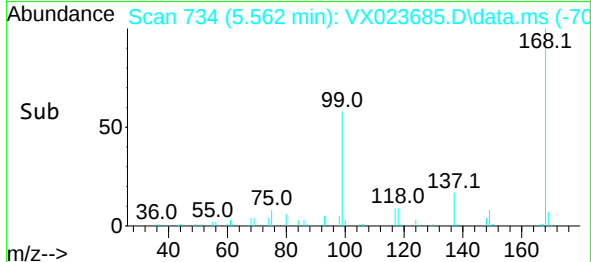
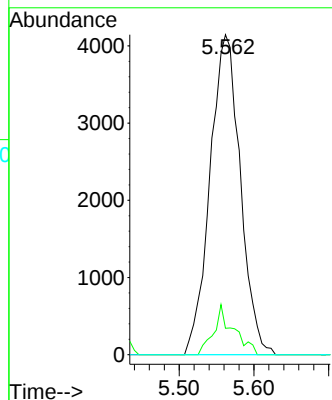


#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Instrument :
MSVOA_X
ClientSampled :

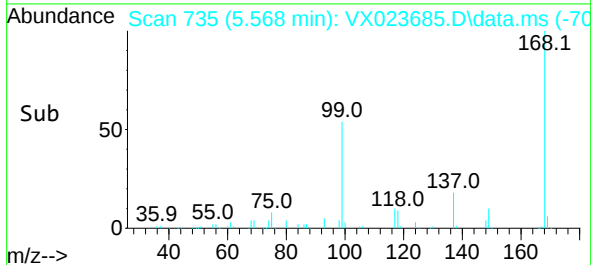
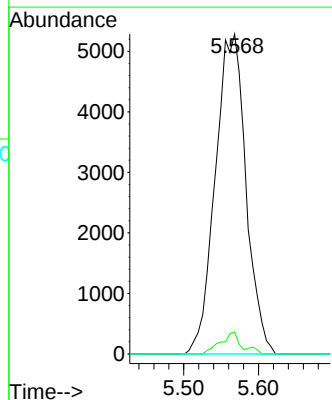
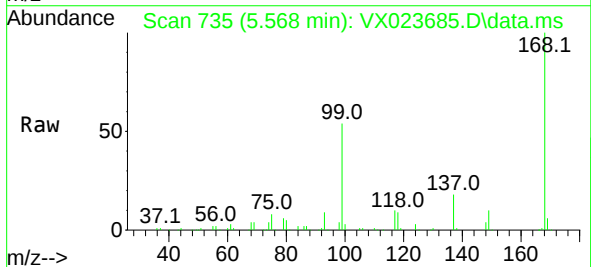


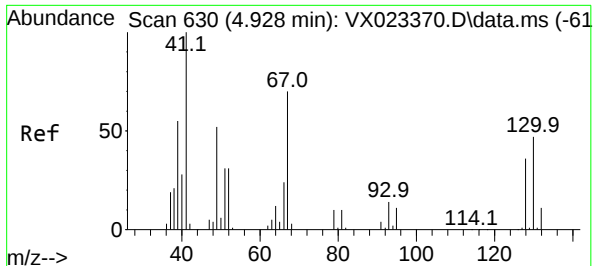
Tgt Ion: 75 Resp: 11666
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.431 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 117 Resp: 15080
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#

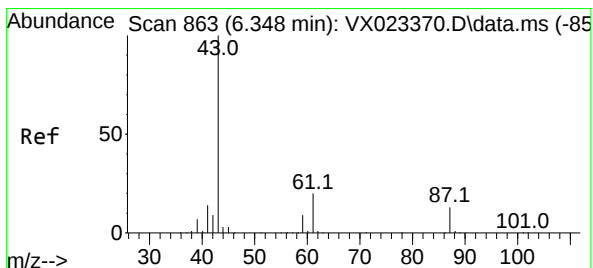
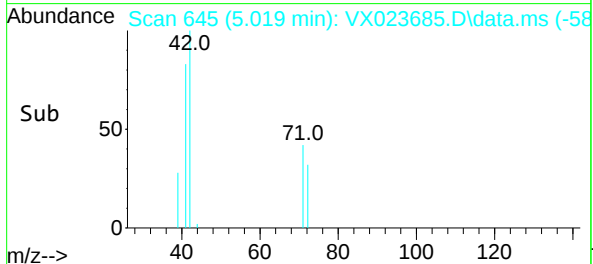
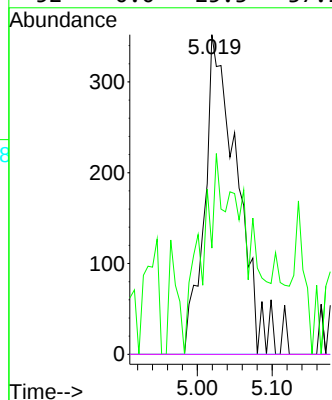
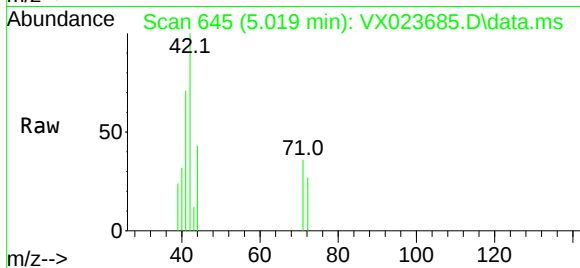




#41
Methacrylonitrile
Concen: 0.694 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

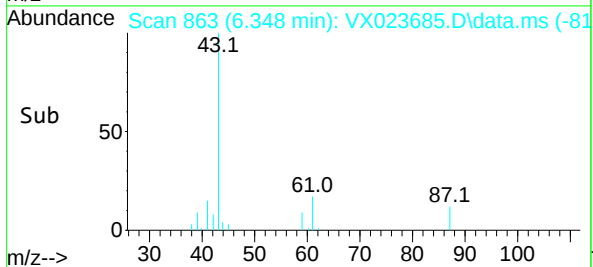
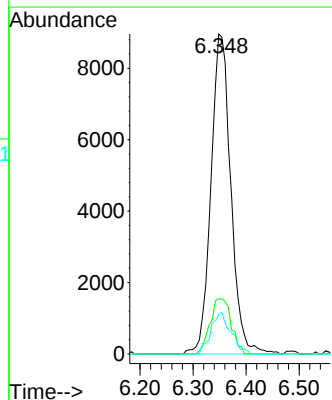
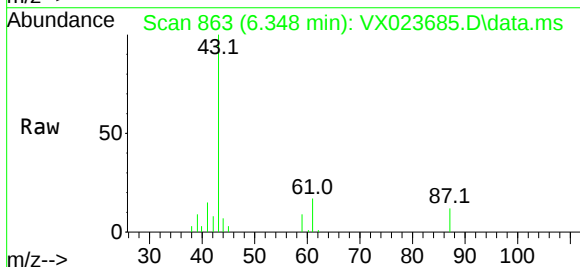
Instrument :
MSVOA_X
ClientSampled :

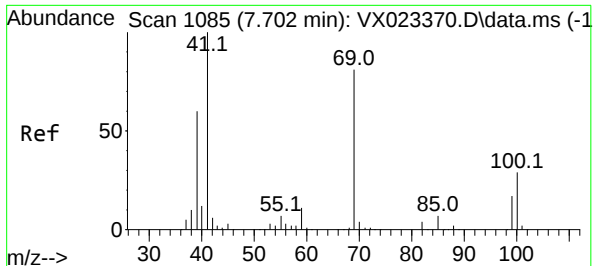
Tgt Ion:	41	Resp:	1065
Ion	Ratio	Lower	Upper
41	100		
39	42.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.171 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion:	43	Resp:	23296
Ion	Ratio	Lower	Upper
43	100		
61	18.3	18.2	27.4
87	13.0	12.5	18.7

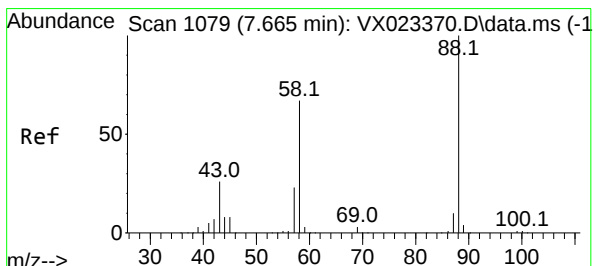
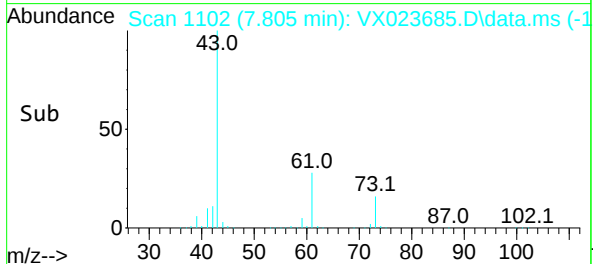
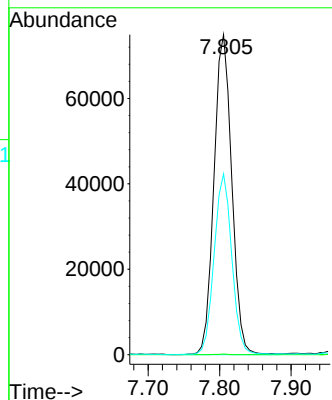
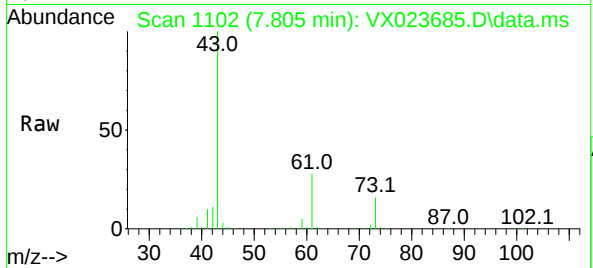




#48
Methyl methacrylate
Concen: 62.123 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

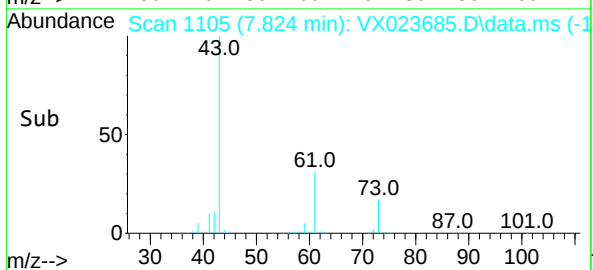
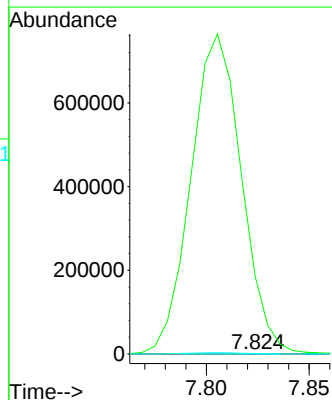
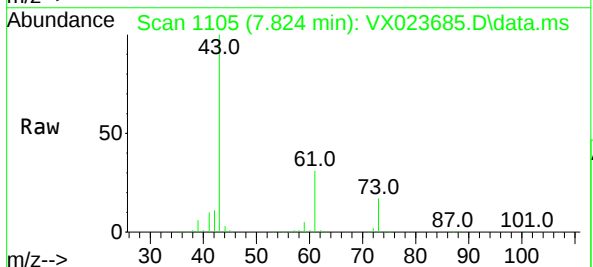
Instrument :
MSVOA_X
ClientSampled :

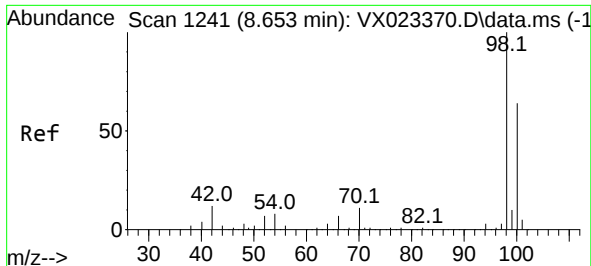
Tgt Ion: 41 Resp: 129609
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 56.3 44.6 67.0



#49
1,4-Dioxane
Concen: 3.466 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.159 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 854039.6 23.2 34.8#
58 3683.1 55.0 82.4#

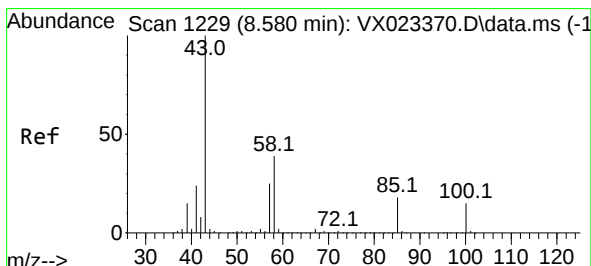
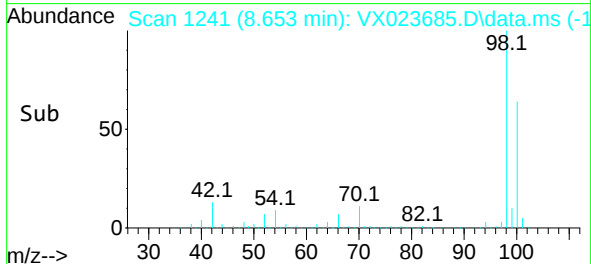
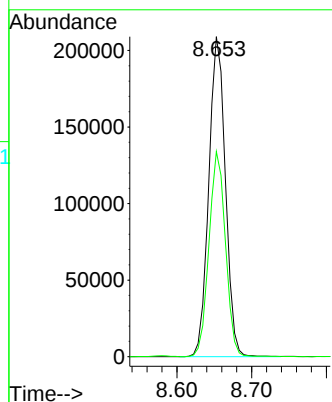
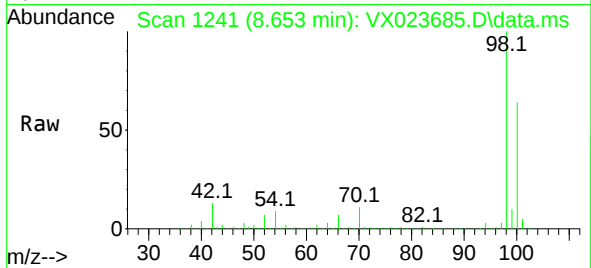




#50
Toluene-d8
Concen: 55.047 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

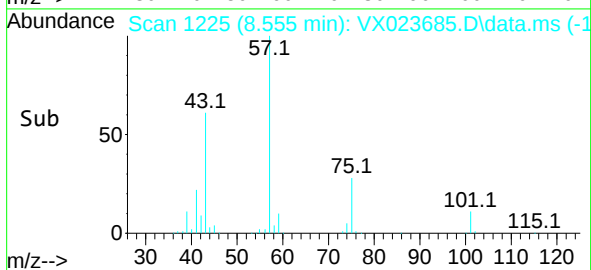
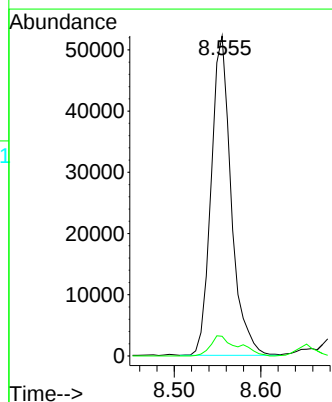
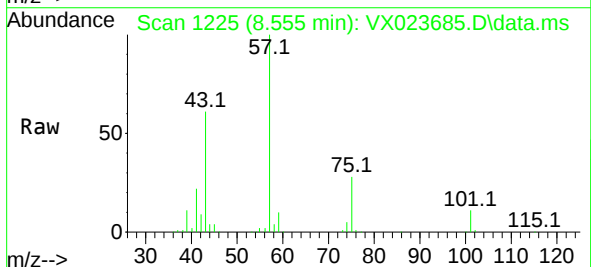
Instrument :
MSVOA_X
ClientSampled :

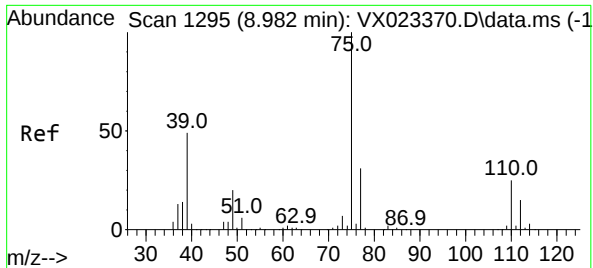
Tgt Ion: 98 Resp: 322313
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.463 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 43 Resp: 83938
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

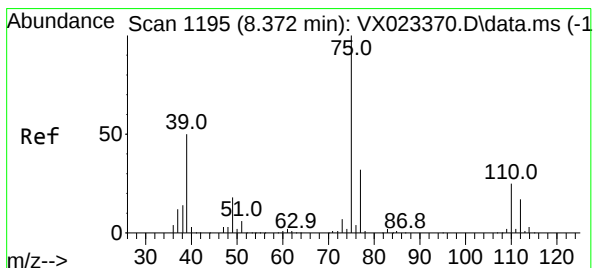
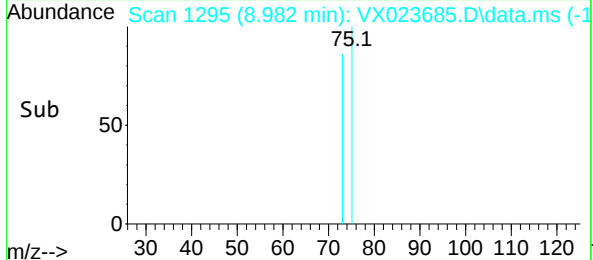
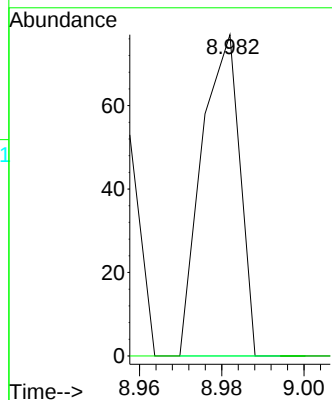
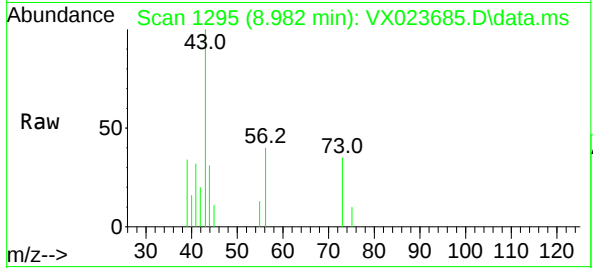




#53
 t-1,3-Dichloropropene
 Concen: 1.834 ug/l
 RT: 8.982 min Scan# 1295
 Delta R.T. 0.000 min
 Lab File: VX023685.D
 Acq: 13 Aug 2021 13:05

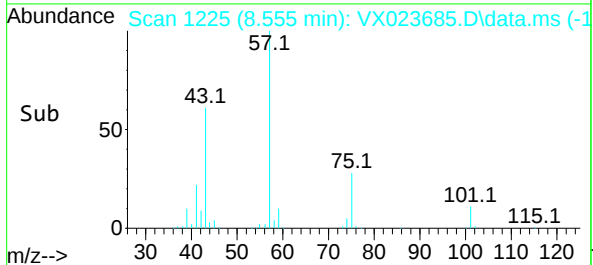
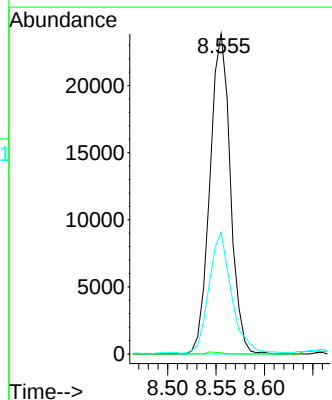
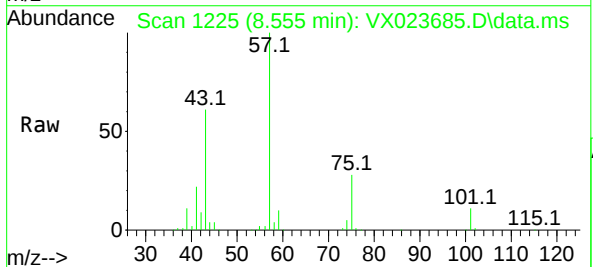
Instrument :
 MSVOA_X
 ClientSampled :

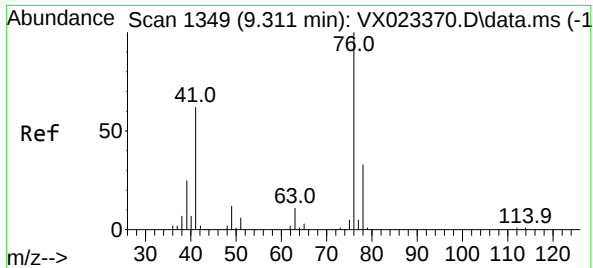
Tgt Ion: 75 Resp: 49
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.700 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023685.D
 Acq: 13 Aug 2021 13:05

Tgt Ion: 75 Resp: 34999
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 37.8 35.1 52.7



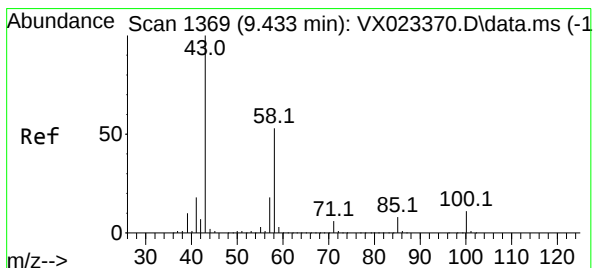
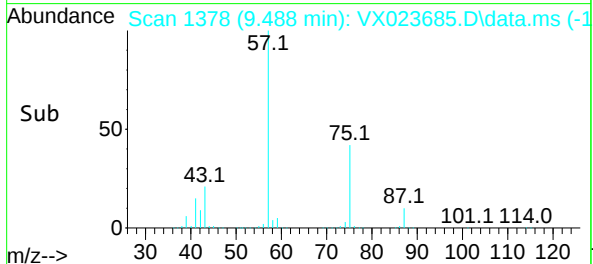
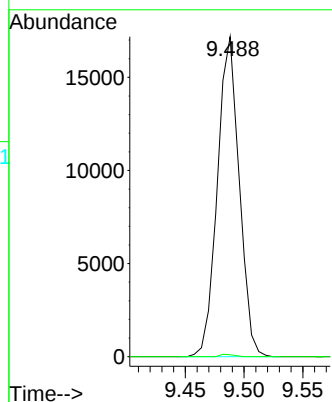
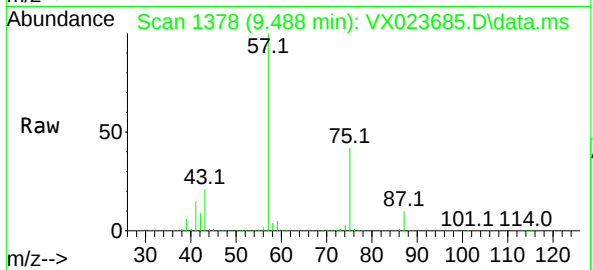


#57

1,3-Dichloropropane
Concen: 7.632 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Instrument :
MSVOA_X
ClientSampled :

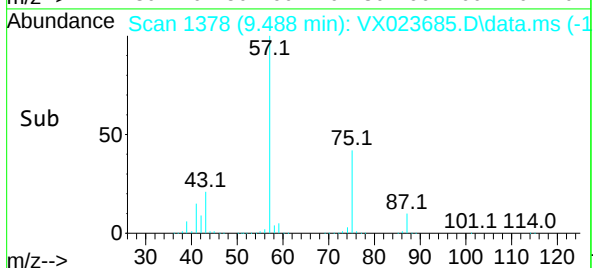
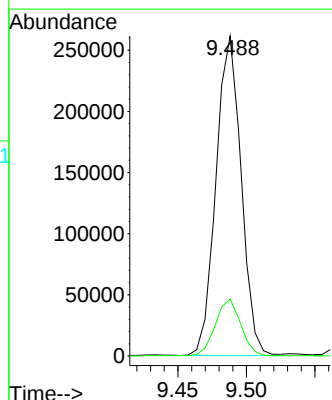
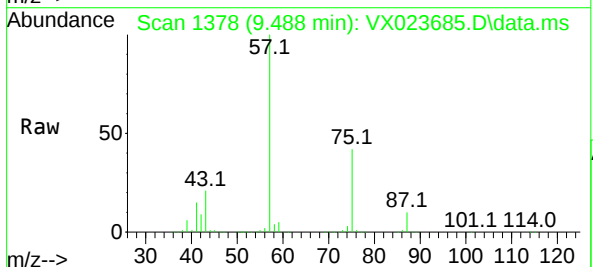
Tgt Ion: 76 Resp: 22243
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

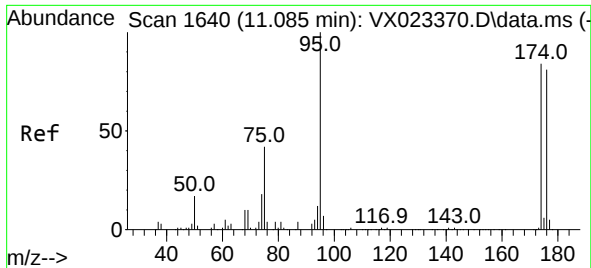


#59

2-Hexanone
Concen: 159.342 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 43 Resp: 333401
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#

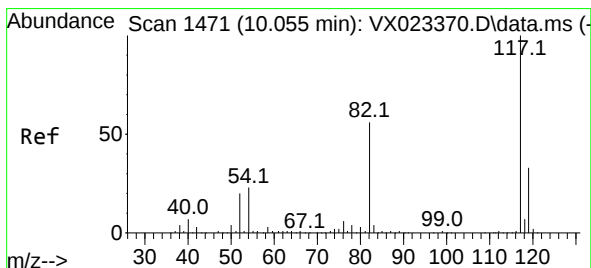
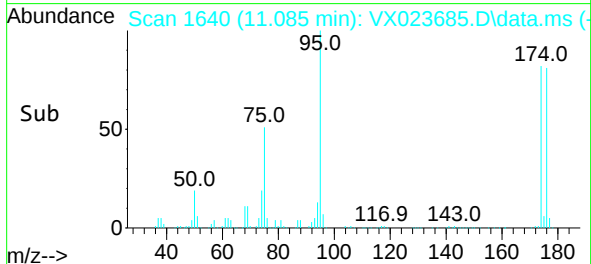
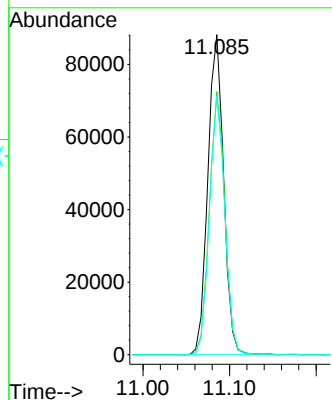
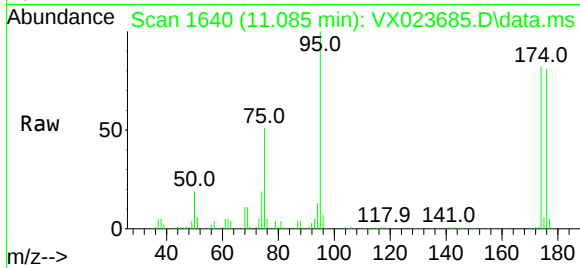




#62
4-Bromofluorobenzene
Concen: 56.084 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

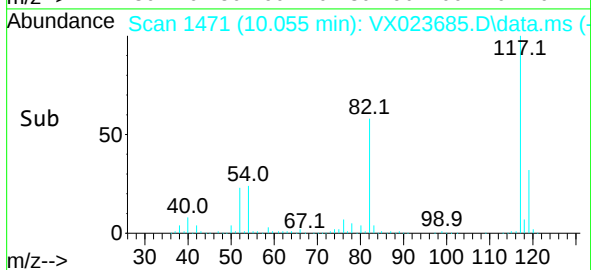
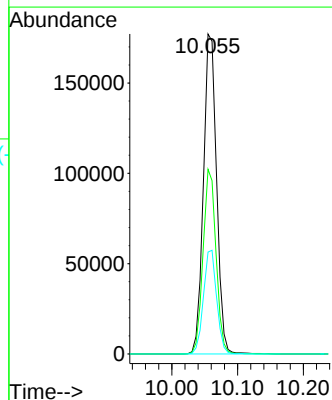
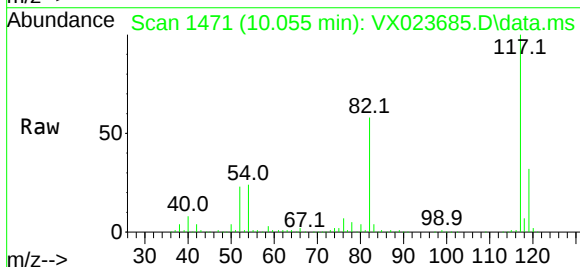
Instrument :
MSVOA_X
ClientSampled :

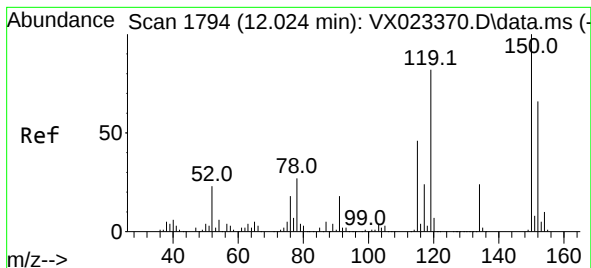
Tgt Ion: 95 Resp: 111664
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 117 Resp: 246635
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.9 26.6 39.8

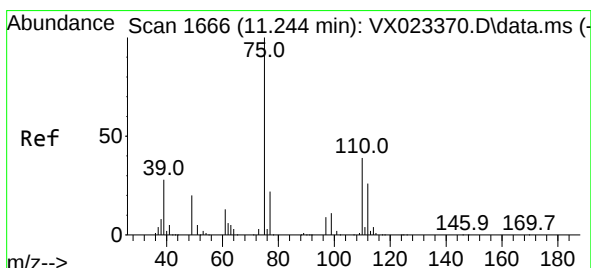
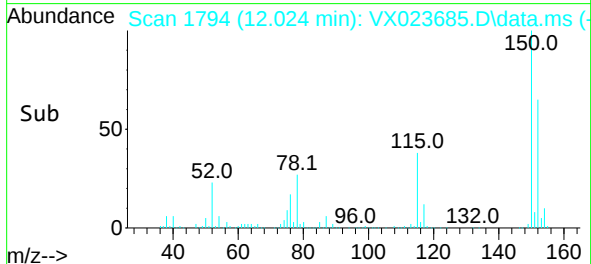
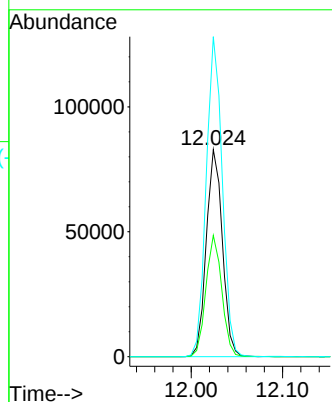
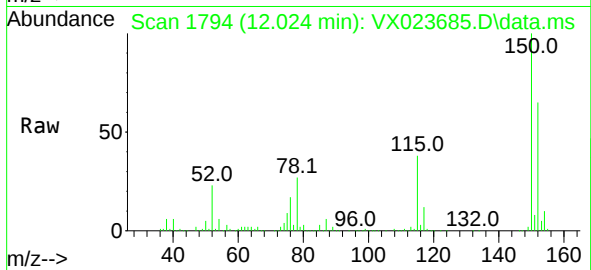




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023685.D
 Acq: 13 Aug 2021 13:05

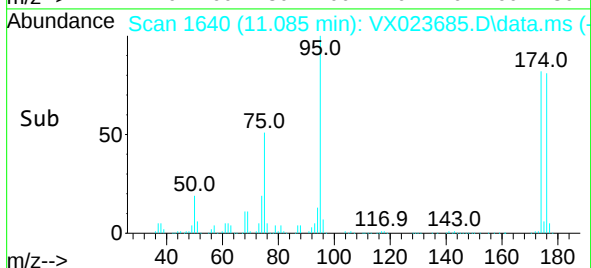
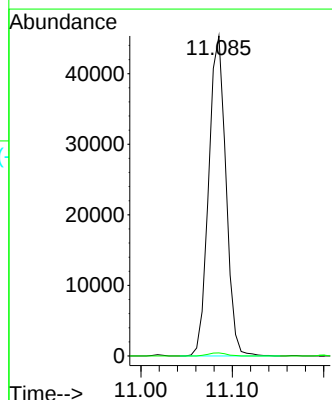
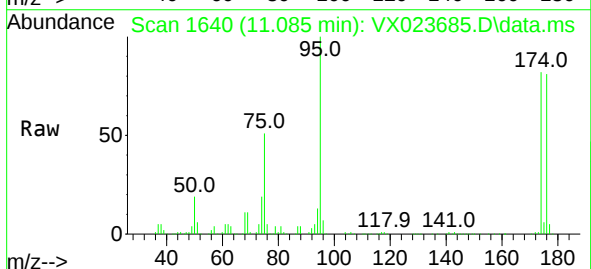
Instrument :
 MSVOA_X
 ClientSampled :

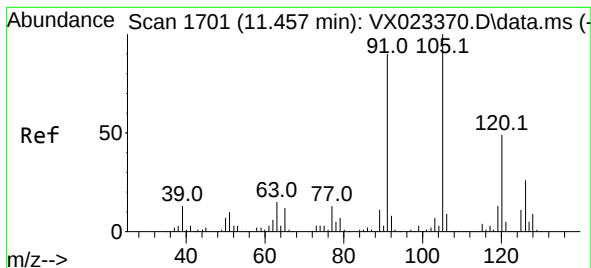
Tgt Ion:152 Resp: 101023
 Ion Ratio Lower Upper
 152 100
 115 58.0 41.1 123.3
 150 154.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.616 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023685.D
 Acq: 13 Aug 2021 13:05

Tgt Ion: 75 Resp: 59170
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

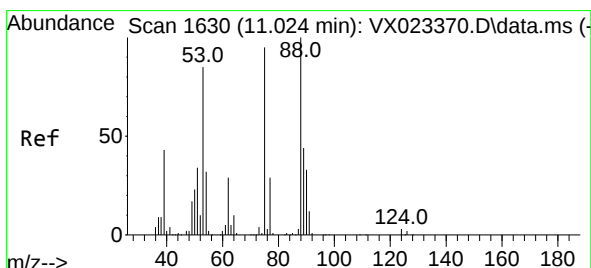
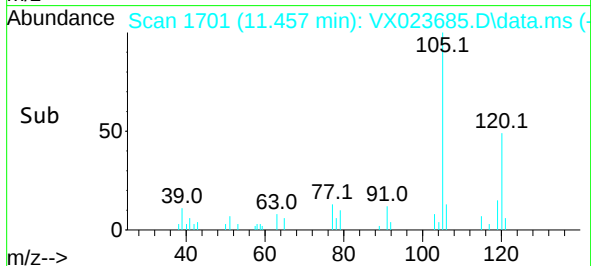
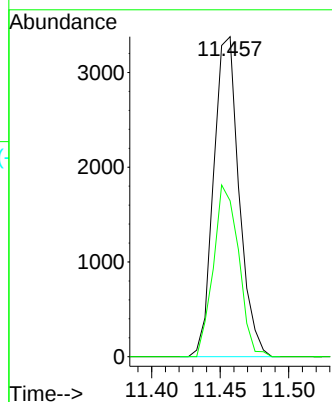
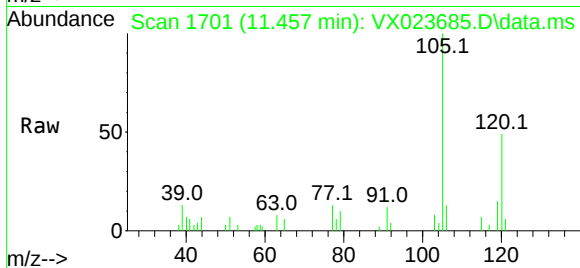




#80
1,3,5-Trimethylbenzene
Concen: 0.702 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 4358
Ion Ratio Lower Upper
105 100
120 53.3 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 71.568 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023685.D
Acq: 13 Aug 2021 13:05

Tgt Ion: 75 Resp: 59170
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

