

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023693.D
 Acq On : 13 Aug 2021 16:13
 Operator : JC/MD
 Sample : PB138358ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:26:53 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)

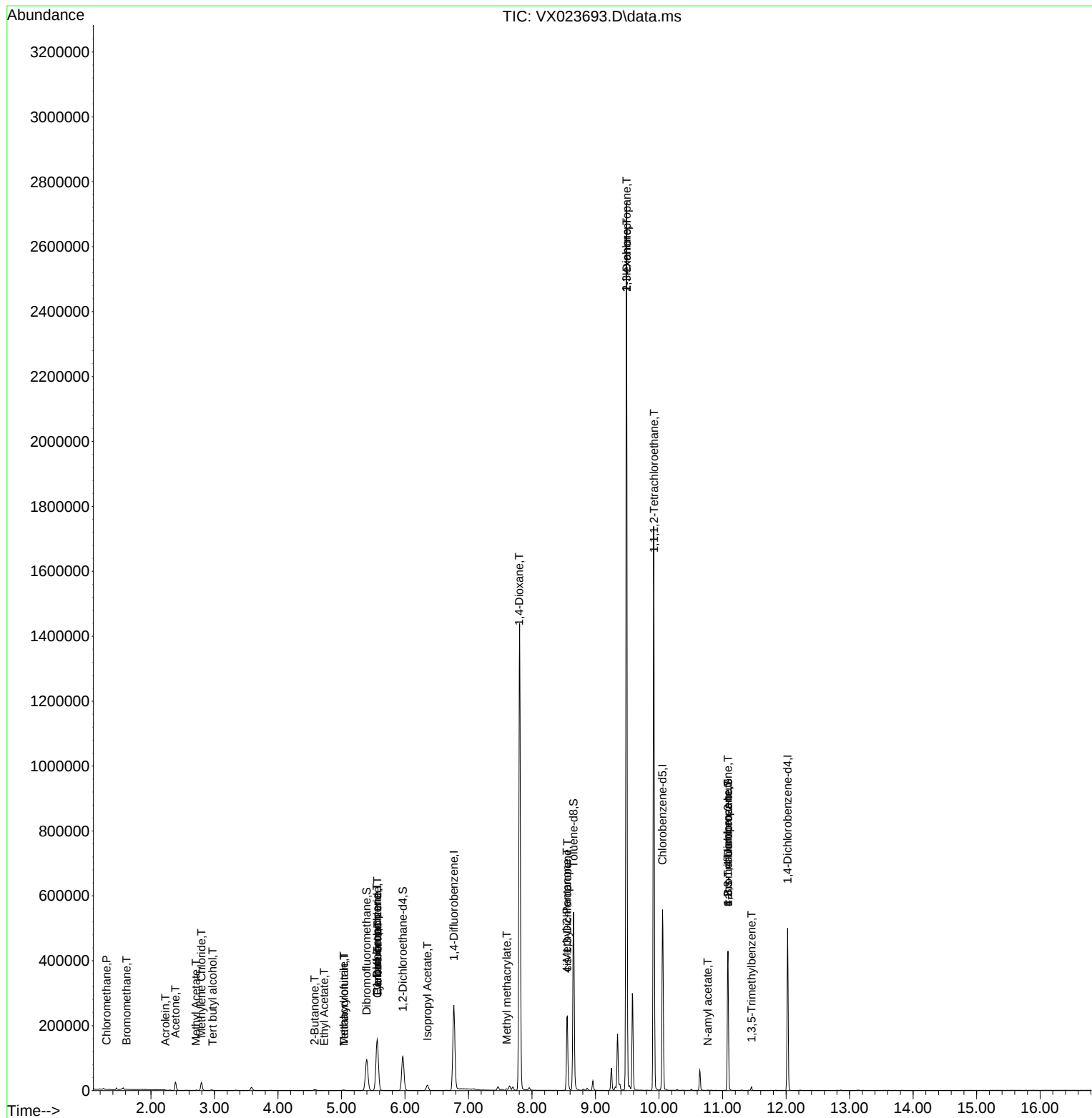
Internal Standards						
1) Pentafluorobenzene	5.562	168	147391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104495	56.835	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.660%			
35) Dibromofluoromethane	5.397	113	81380	52.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.460%			
50) Toluene-d8	8.653	98	313447	54.752	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.500%			
62) 4-Bromofluorobenzene	11.085	95	107276	55.107	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.220%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	361	0.229	ug/l	100
5) Bromomethane	1.618	94	281	0.296	ug/l #	75
11) Tert butyl alcohol	2.971	59	1590	3.786	ug/l #	73
13) Acrolein	2.227	56	19	1.452	ug/l #	1
16) Acetone	2.386	43	27403	30.384	ug/l	91
18) Methyl Acetate	2.709	43	1656	0.772	ug/l #	86
20) Methylene Chloride	2.794	84	10964	6.250	ug/l	93
25) 2-Butanone	4.574	43	4182	2.987	ug/l	98
29) Tetrahydrofuran	5.044	42	1606	1.750	ug/l #	50
31) Cyclohexane	5.568	56	3380	1.241	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	11816	5.241	ug/l #	45
37) Ethyl Acetate	4.727	43	667	0.235	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14944	6.518	ug/l #	15
41) Methacrylonitrile	5.038	41	1190	0.793	ug/l #	39
43) Isopropyl Acetate	6.354	43	22426	5.092	ug/l #	92
48) Methyl methacrylate	7.604	41	6297	3.087	ug/l #	10
49) 1,4-Dioxane	7.799	88	145	3.338	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83379	30.949	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	34398	12.766	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	22070	7.745	ug/l #	43
59) 2-Hexanone	9.488	43	328872	160.755	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.921	131	19	0.984	ug/l #	8
74) N-amyl acetate	10.768	43	768	0.232	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	58217	27.544	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4449	0.754	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	58217	74.063	ug/l #	12

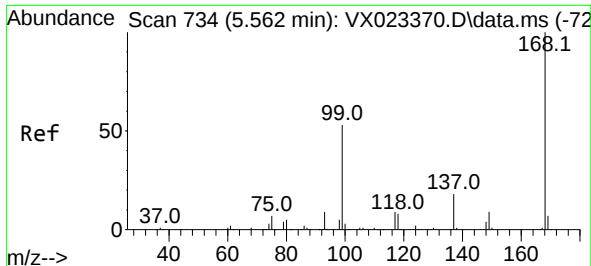
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

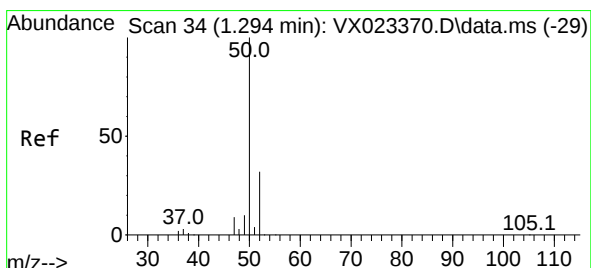
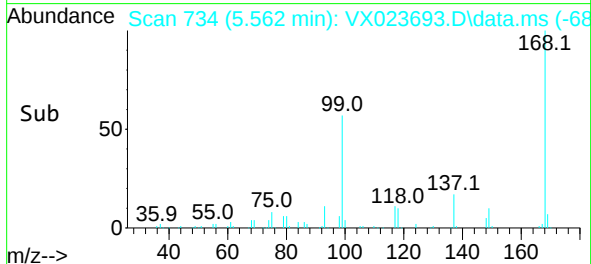
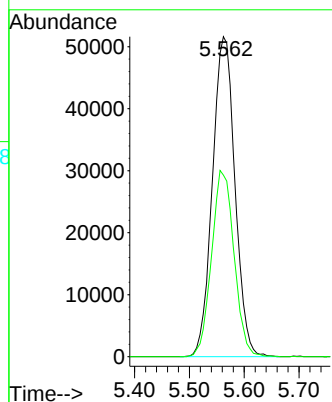
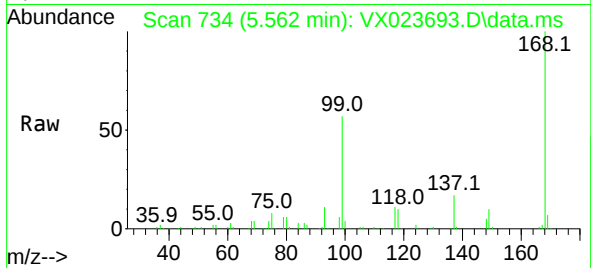




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

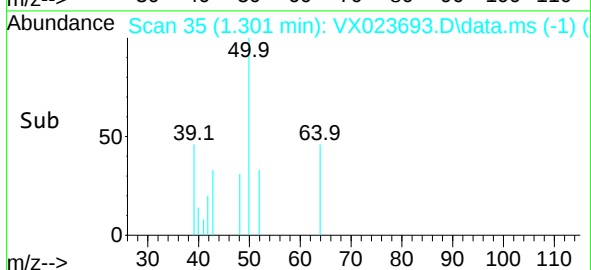
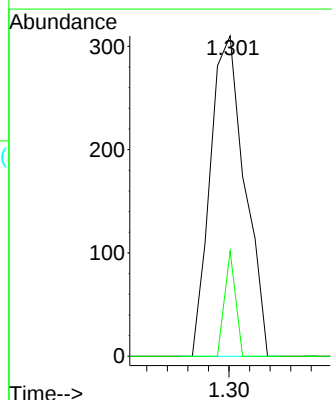
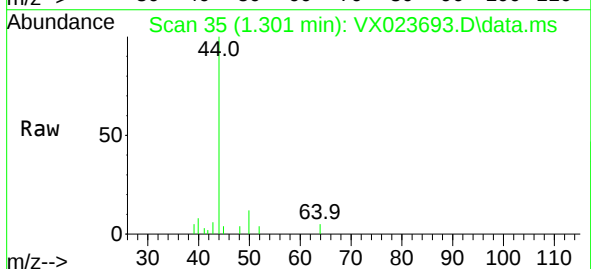
Instrument :
MSVOA_X
ClientSampleId :

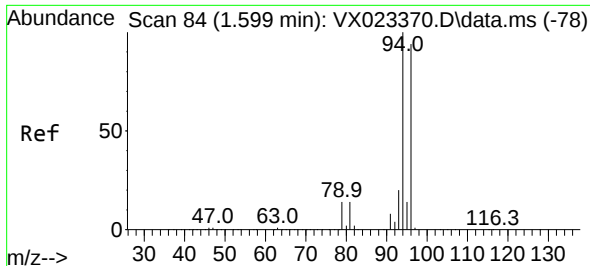
Tgt Ion:168 Resp: 147391
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 32.9 26.4 39.6

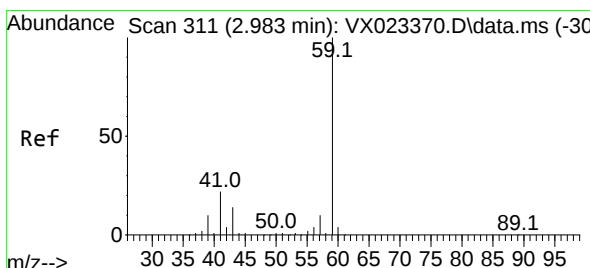
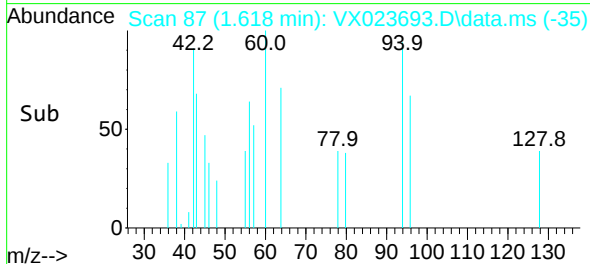
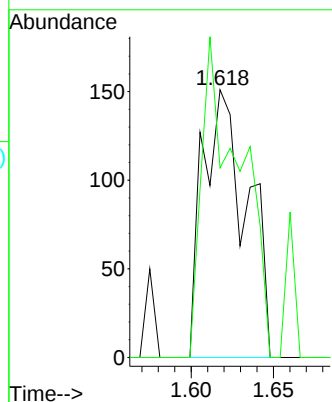
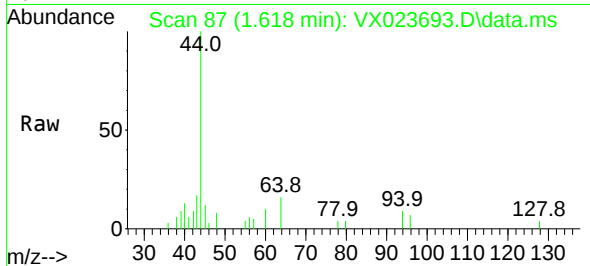




#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

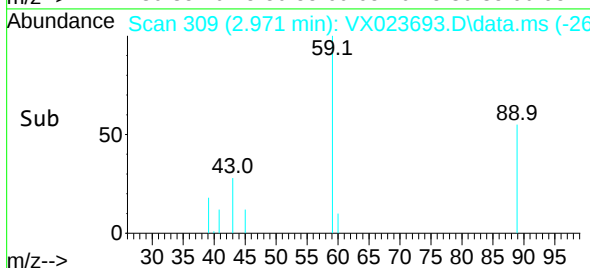
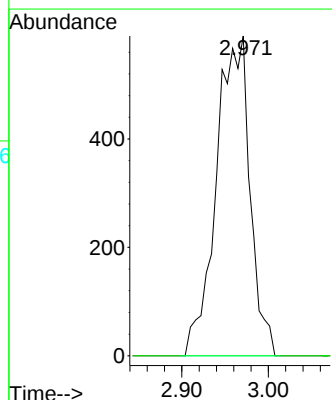
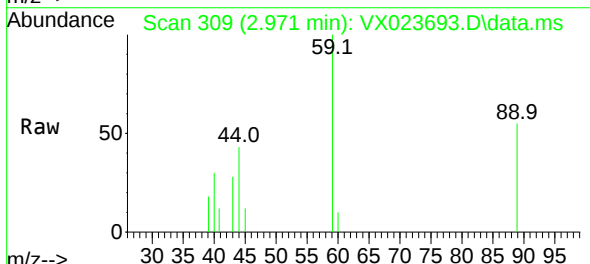
Instrument :
MSVOA_X
ClientSampled :

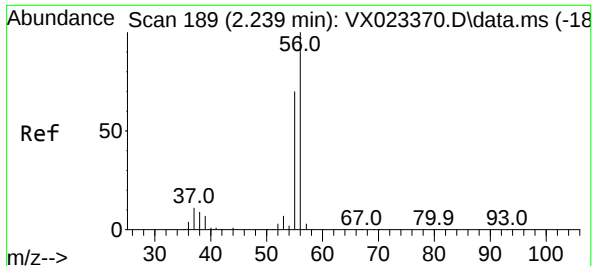
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 70.9 76.4 114.6#



#11
Tert butyl alcohol
Concen: 3.786 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 59 Resp: 1590
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

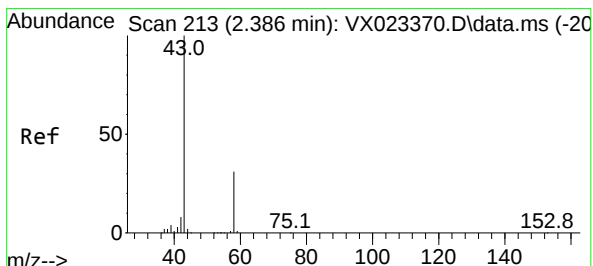
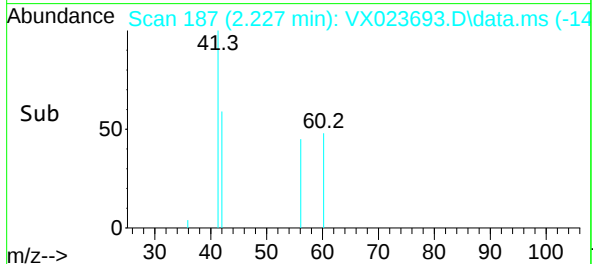
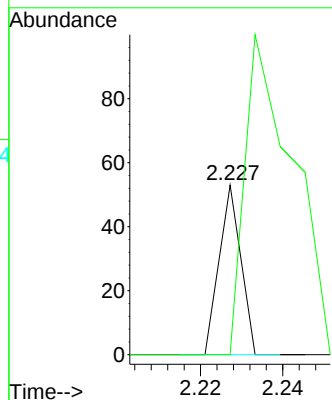
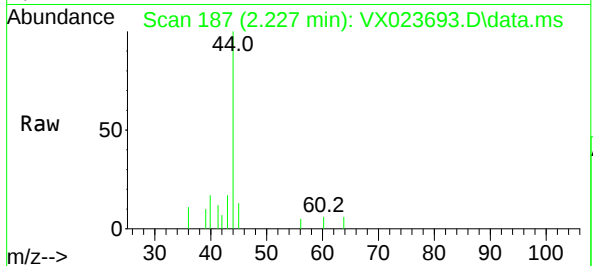




#13
Acrolein
Concen: 1.452 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

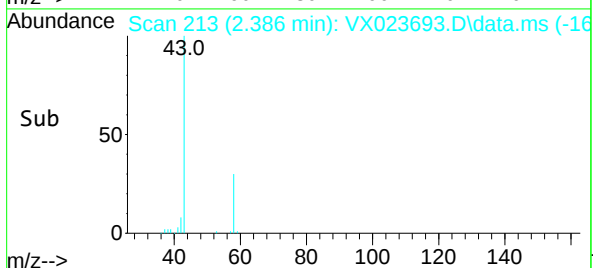
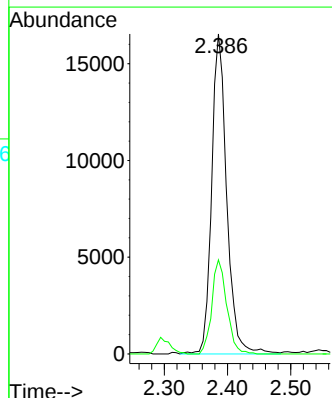
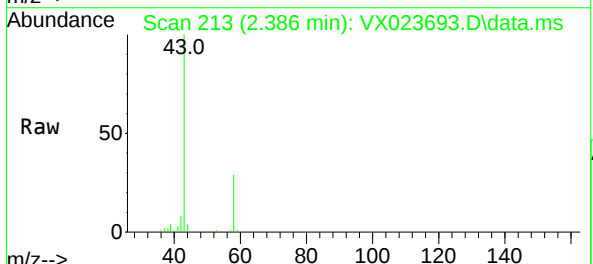
Instrument :
MSVOA_X
ClientSampled :

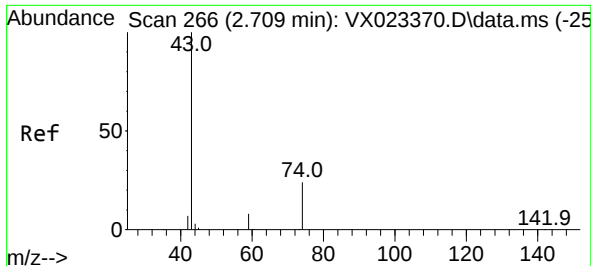
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 426.3 56.4 84.6#



#16
Acetone
Concen: 30.384 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 43 Resp: 27403
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

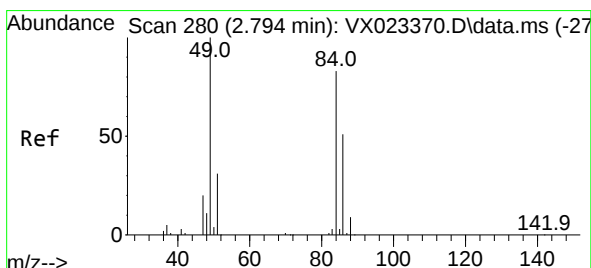
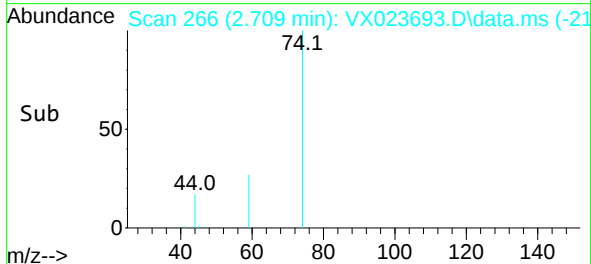
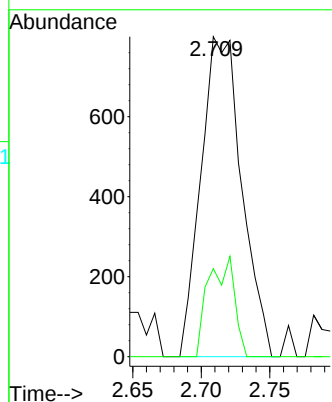
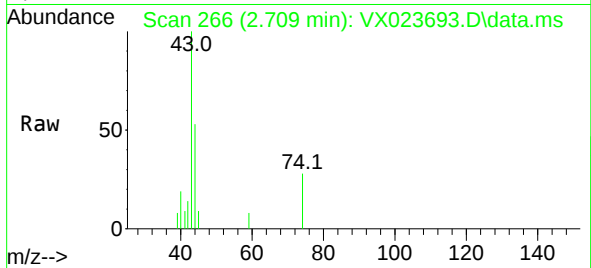




#18
Methyl Acetate
Concen: 0.772 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

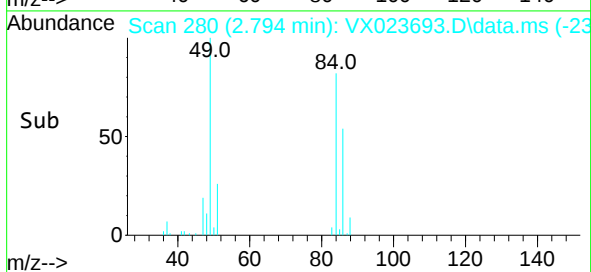
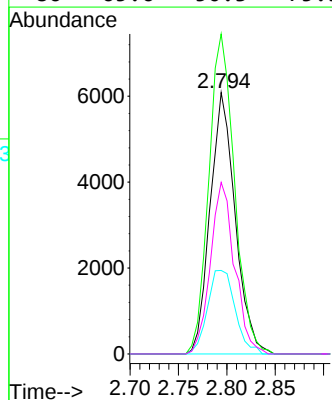
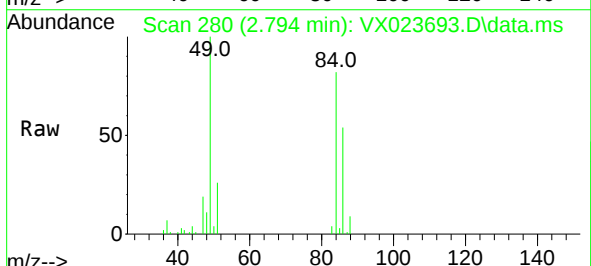
Instrument :
MSVOA_X
ClientSampled :

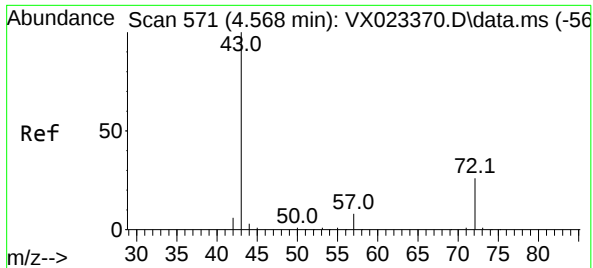
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
74 19.9 21.9 32.9#



#20
Methylene Chloride
Concen: 6.250 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 84 Resp: 10964
Ion Ratio Lower Upper
84 100
49 122.4 88.6 132.8
51 32.0 27.0 40.6
86 65.6 50.3 75.5

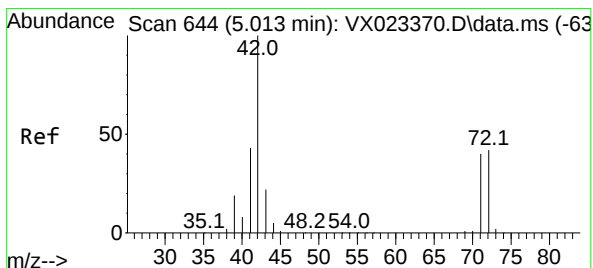
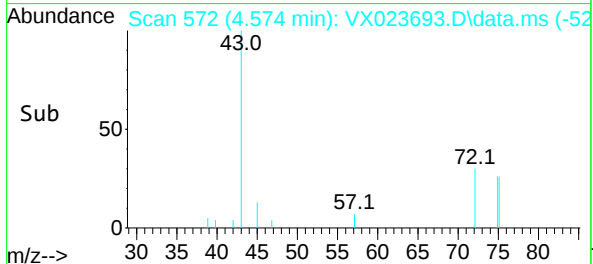
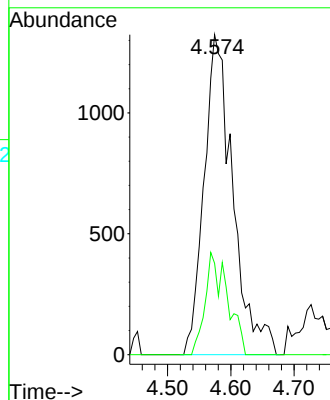
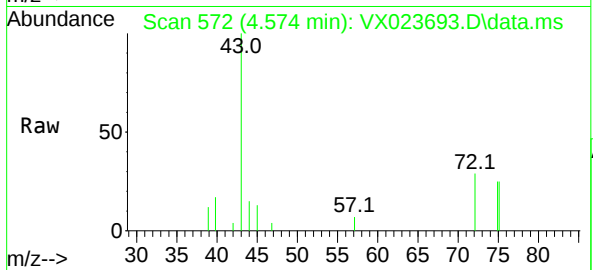




#25
2-Butanone
Concen: 2.987 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

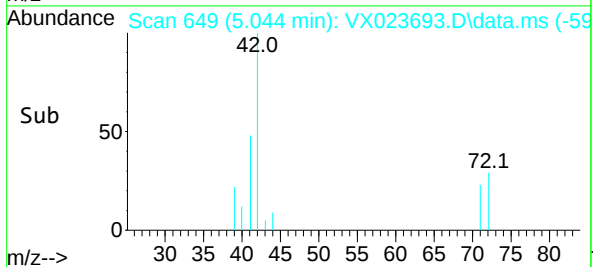
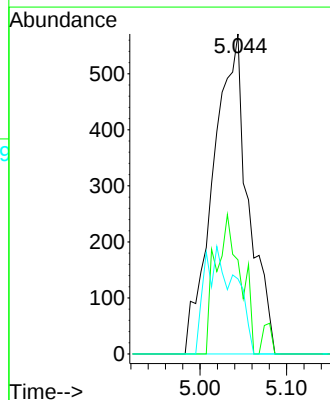
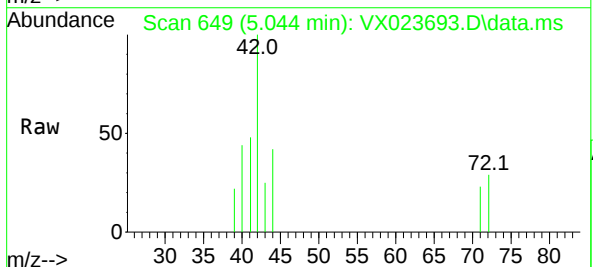
Instrument :
MSVOA_X
ClientSampled :

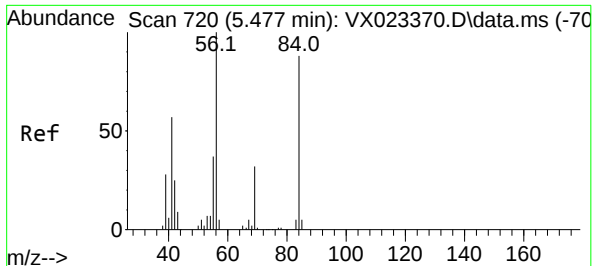
Tgt Ion: 43 Resp: 4182
Ion Ratio Lower Upper
43 100
72 28.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.750 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

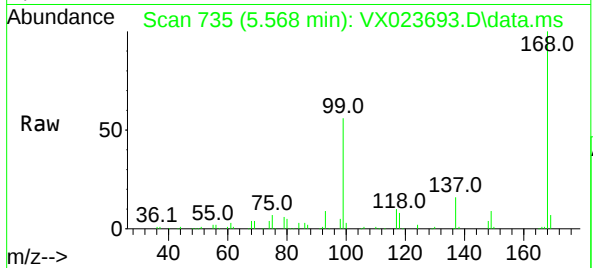
Tgt Ion: 42 Resp: 1606
Ion Ratio Lower Upper
42 100
72 31.1 41.7 62.5#
71 0.0 38.4 57.6#



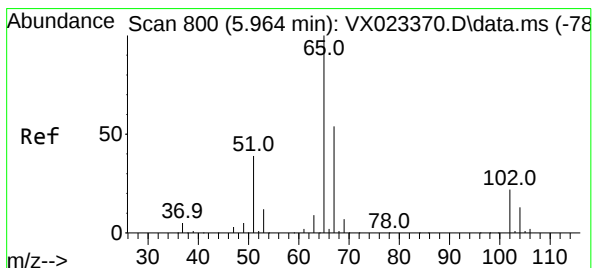
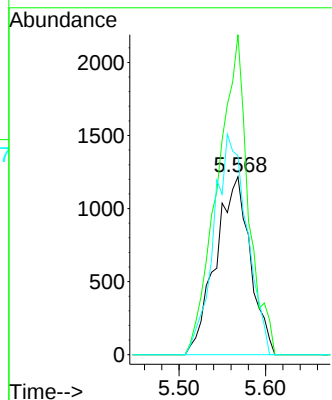
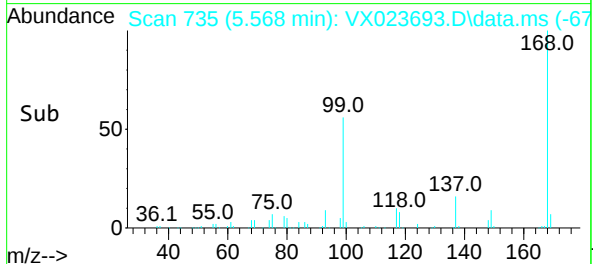


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

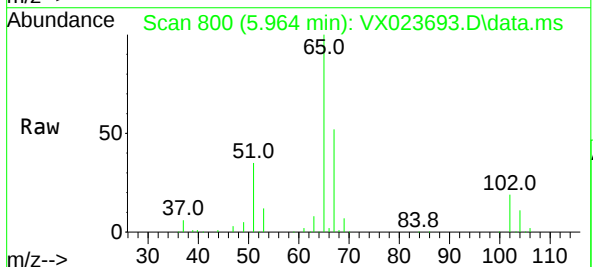
Instrument :
MSVOA_X
ClientSampled :



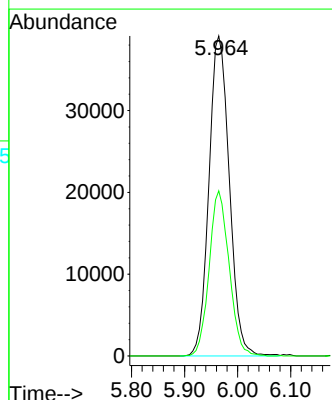
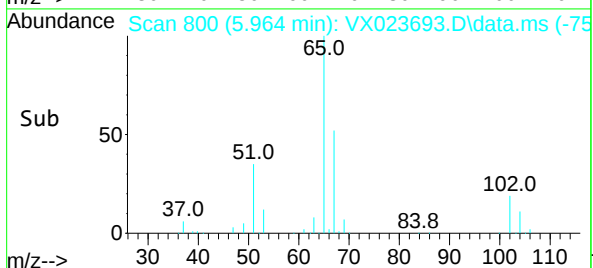
Tgt Ion: 56 Resp: 3380
Ion Ratio Lower Upper
56 100
69 180.0 25.3 37.9#
84 111.9 71.4 107.0#

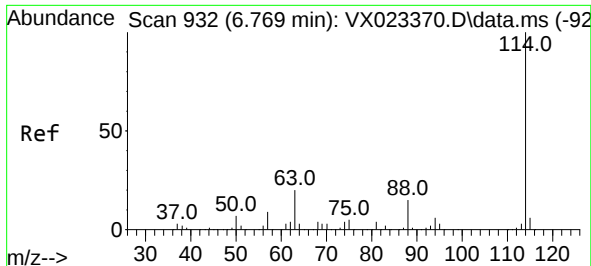


#33
1,2-Dichloroethane-d4
Concen: 56.835 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13



Tgt Ion: 65 Resp: 104495
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

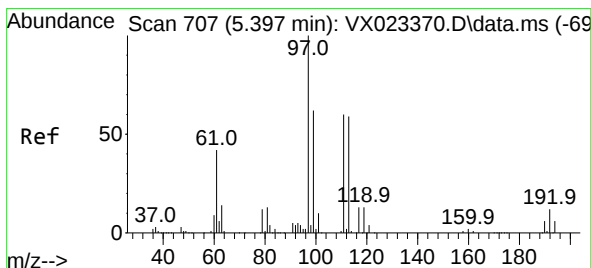
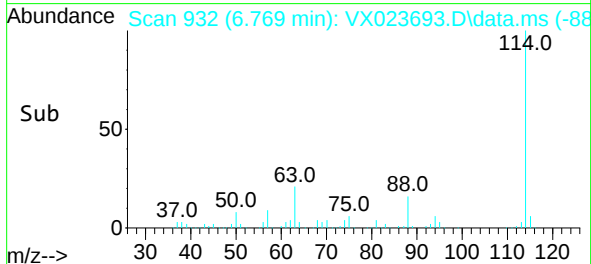
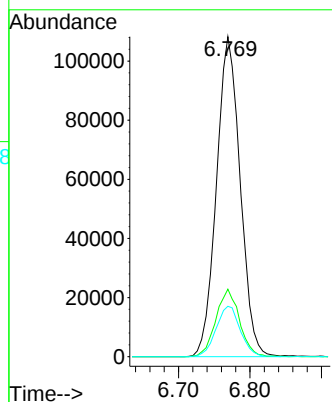
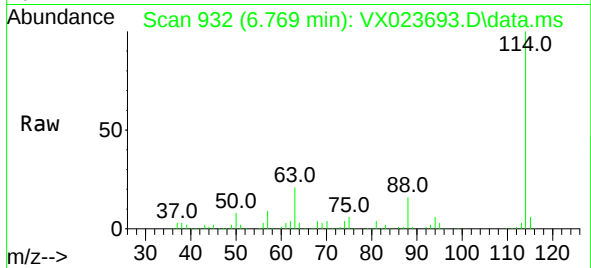




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

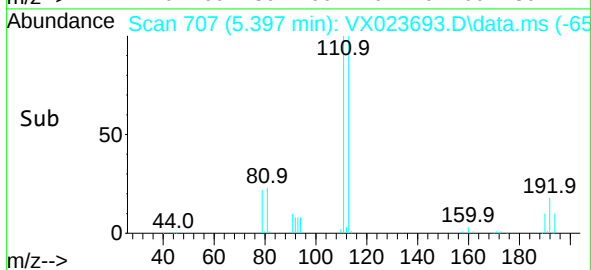
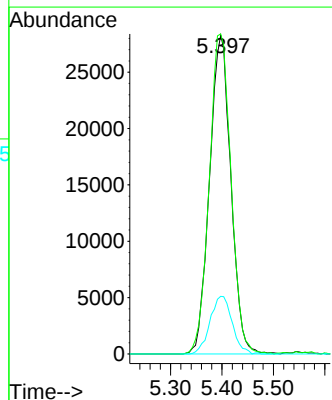
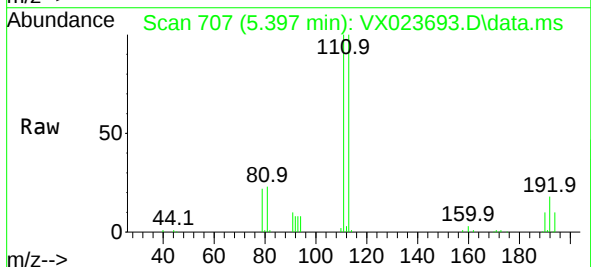
Instrument :
MSVOA_X
ClientSampled :

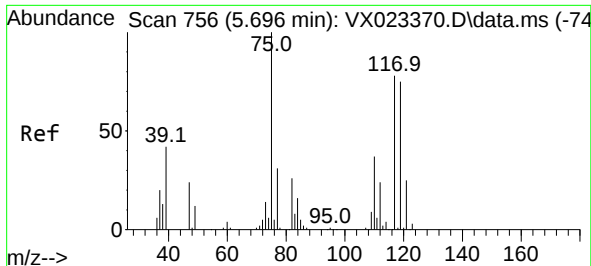
Tgt Ion:114 Resp: 249216
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.227 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion:113 Resp: 81380
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 18.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.241 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023693.D

Acq: 13 Aug 2021 16:13

Tgt Ion: 75 Resp: 11816

Ion Ratio Lower Upper

75 100

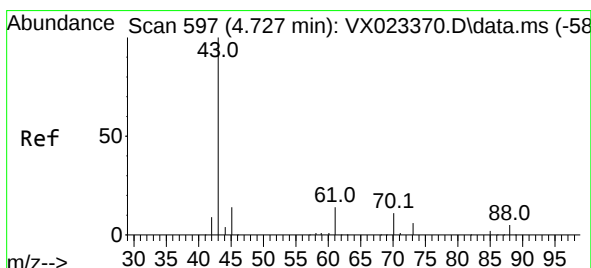
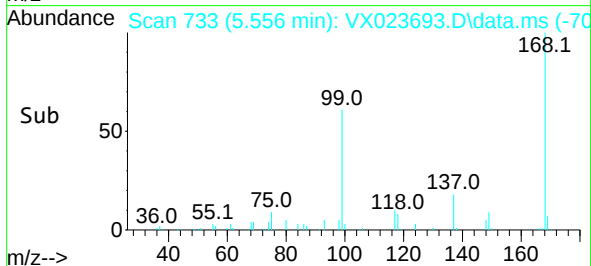
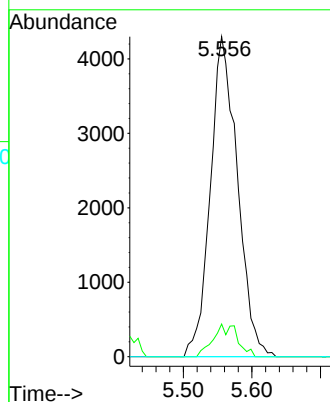
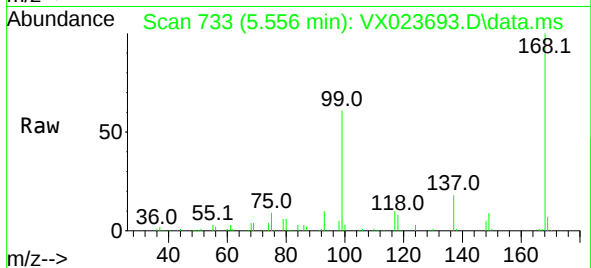
110 5.1 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#37

Ethyl Acetate

Concen: 0.235 ug/l

RT: 4.727 min Scan# 597

Delta R.T. -0.000 min

Lab File: VX023693.D

Acq: 13 Aug 2021 16:13

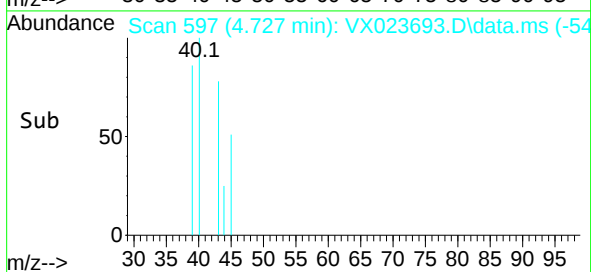
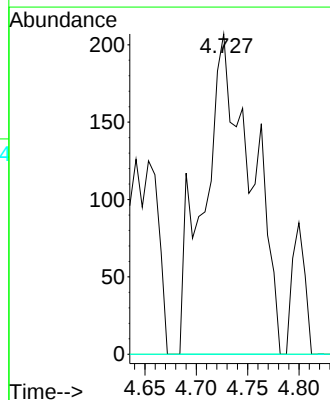
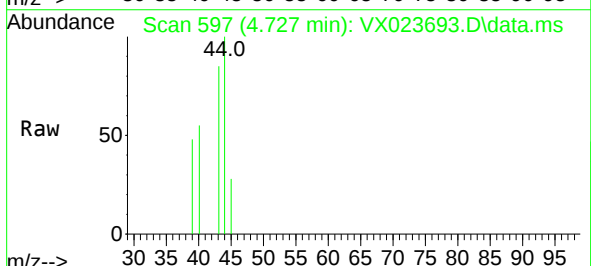
Tgt Ion: 43 Resp: 667

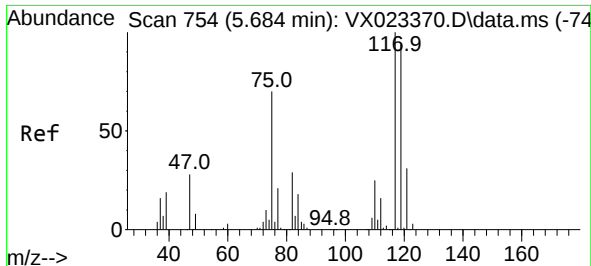
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

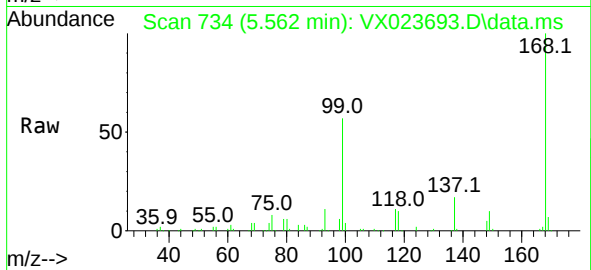
70 0.0 10.5 15.7#



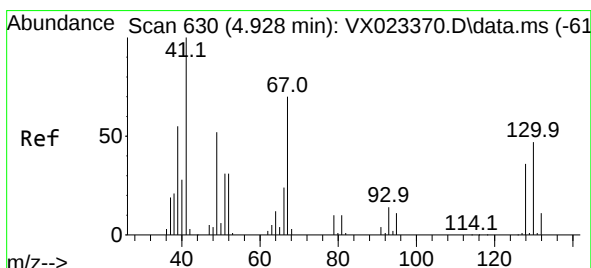
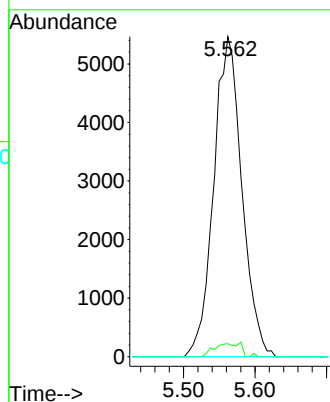
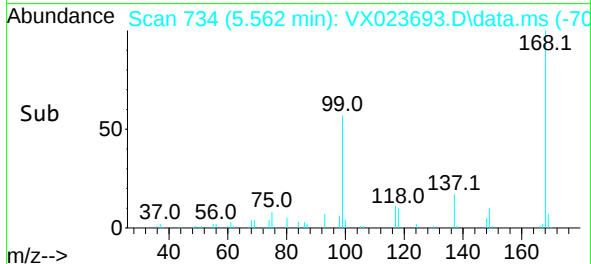


#38
Carbon Tetrachloride
Concen: 6.518 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

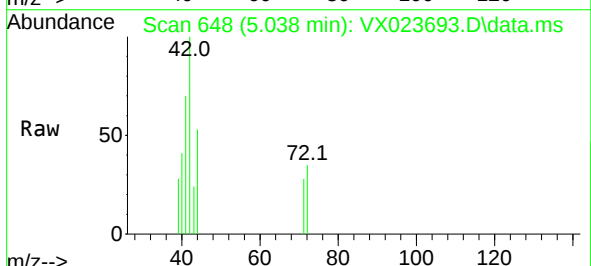
Instrument :
MSVOA_X
ClientSampled :



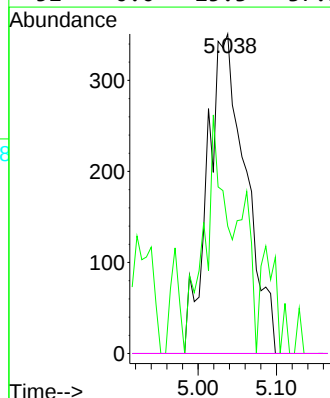
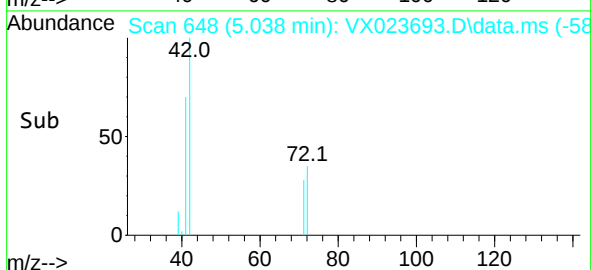
Tgt Ion:117 Resp: 14944
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#

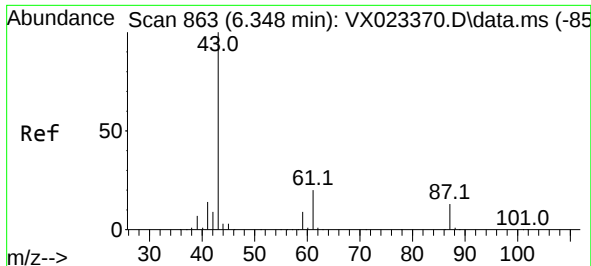


#41
Methacrylonitrile
Concen: 0.793 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13



Tgt Ion: 41 Resp: 1190
Ion Ratio Lower Upper
41 100
39 42.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

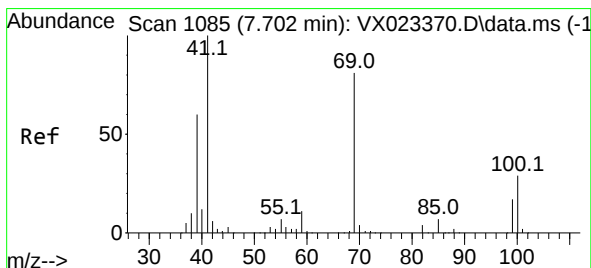
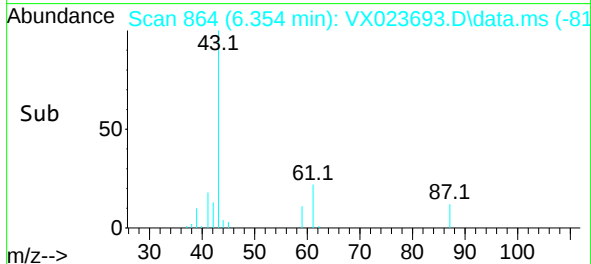
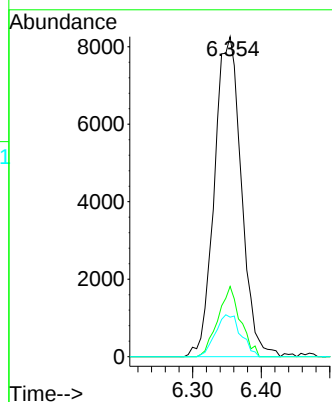
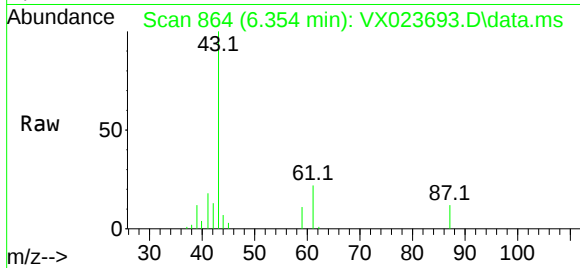




#43
Isopropyl Acetate
Concen: 5.092 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

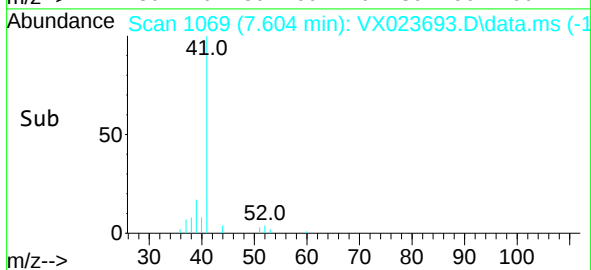
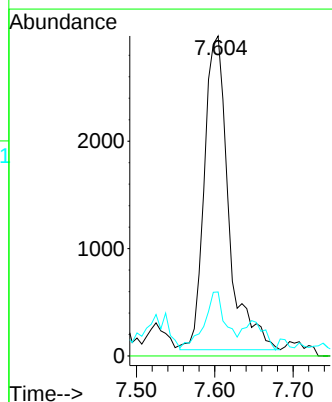
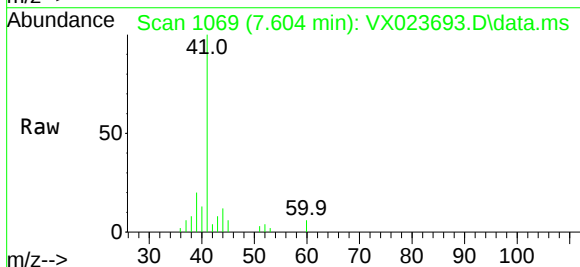
Instrument :
MSVOA_X
ClientSampled :

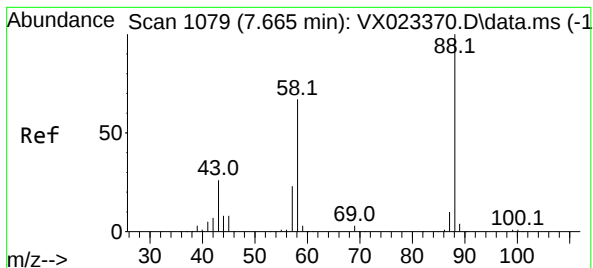
Tgt Ion: 43 Resp: 22426
Ion Ratio Lower Upper
43 100
61 18.4 18.2 27.4
87 12.5 12.5 18.7#



#48
Methyl methacrylate
Concen: 3.087 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 41 Resp: 6297
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.338 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023693.D

Acq: 13 Aug 2021 16:13

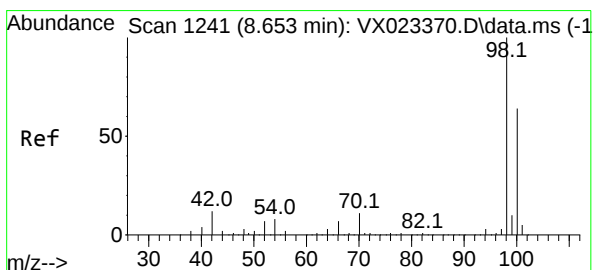
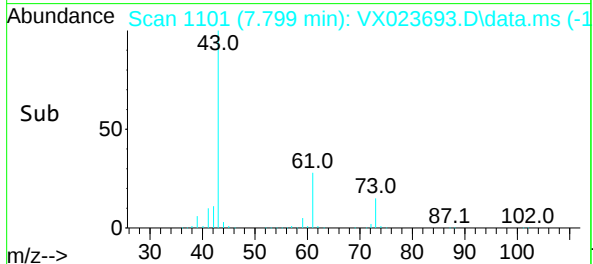
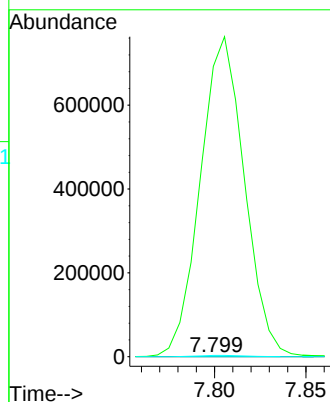
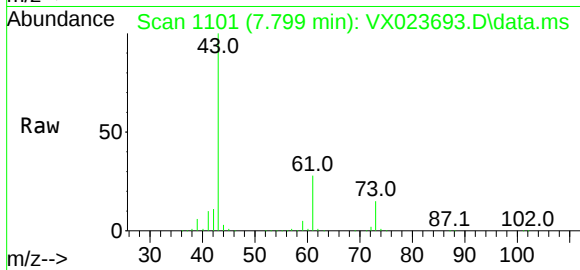
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 888523.4 23.2 34.8#

58 3882.8 55.0 82.4#



#50

Toluene-d8

Concen: 54.752 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023693.D

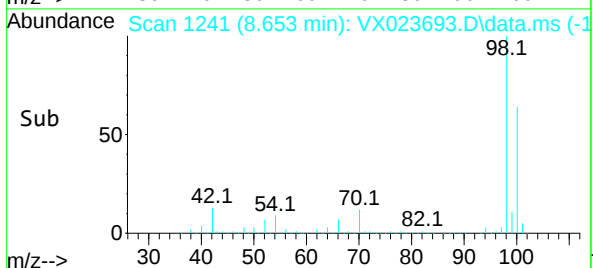
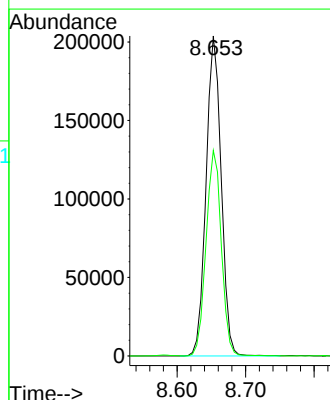
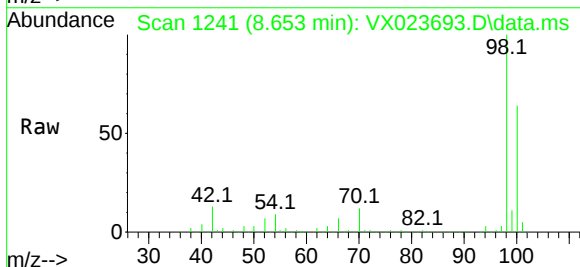
Acq: 13 Aug 2021 16:13

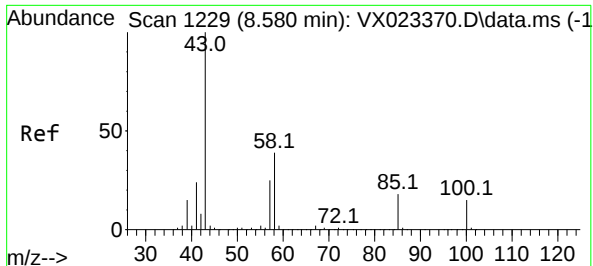
Tgt Ion: 98 Resp: 313447

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9

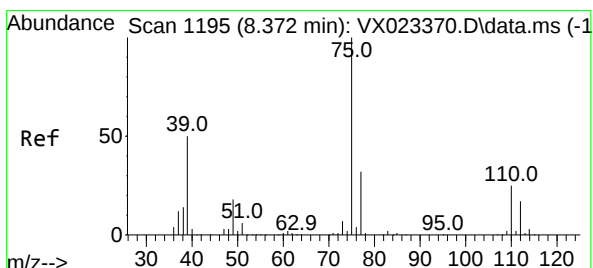
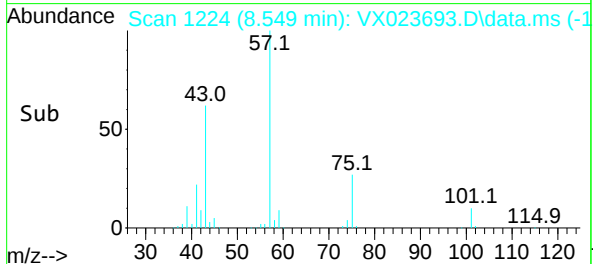
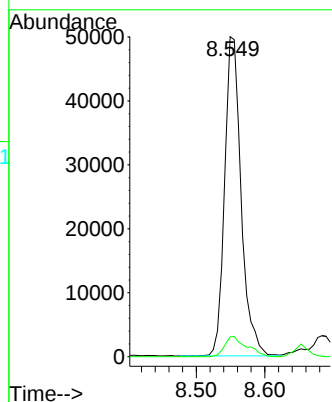
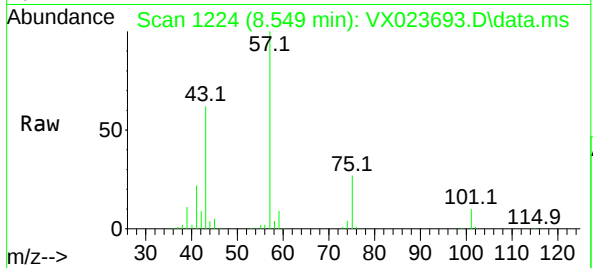




#51
4-Methyl-2-Pentanone
Concen: 30.949 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

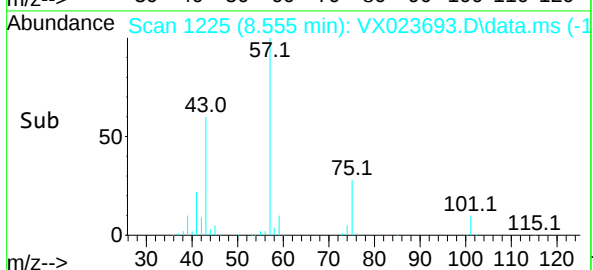
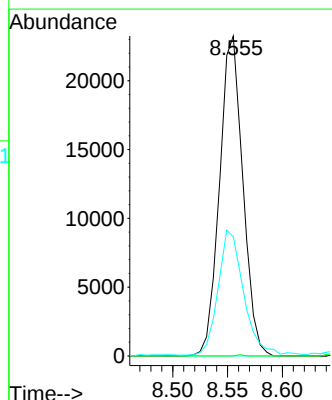
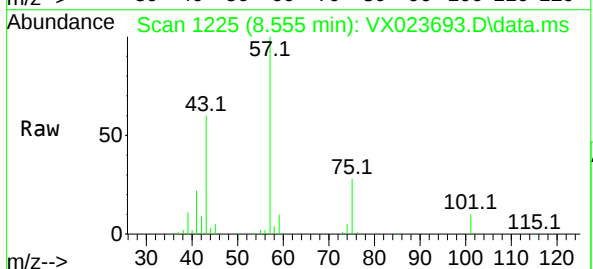
Instrument :
MSVOA_X
ClientSampled :

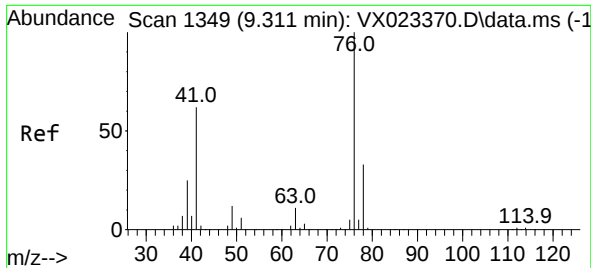
Tgt Ion: 43 Resp: 83379
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.766 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 75 Resp: 34398
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 37.0 35.1 52.7



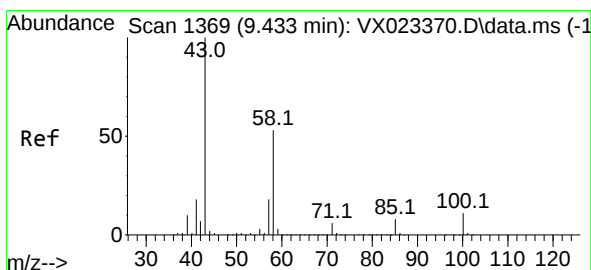
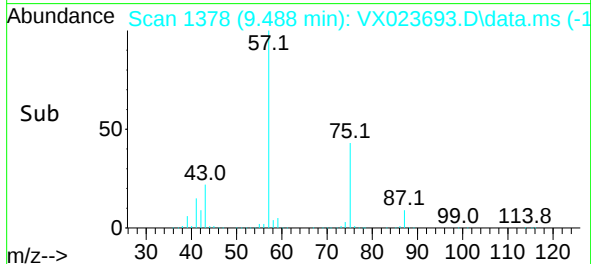
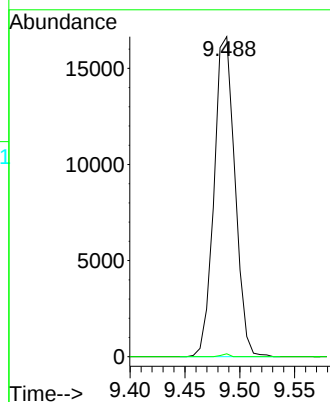
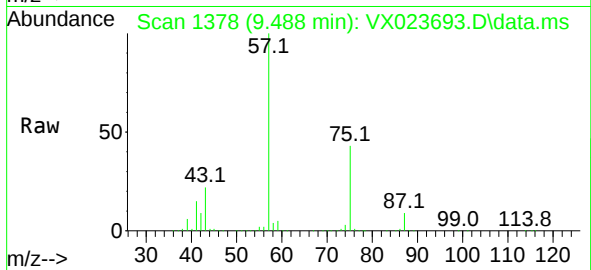


#57

1,3-Dichloropropane
Concen: 7.745 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Instrument :
MSVOA_X
ClientSampled :

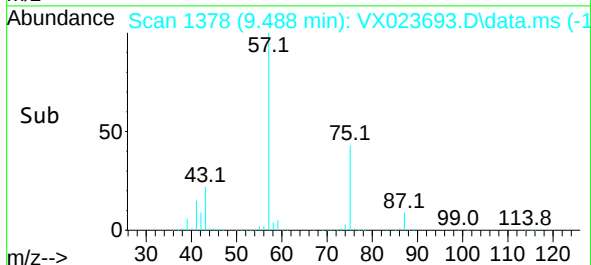
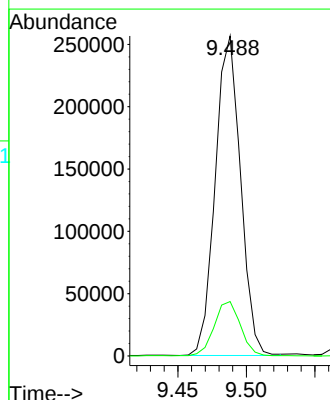
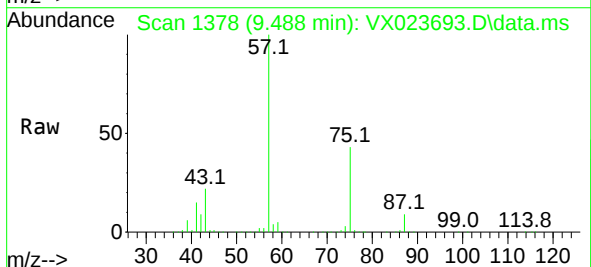
Tgt Ion: 76 Resp: 22070
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

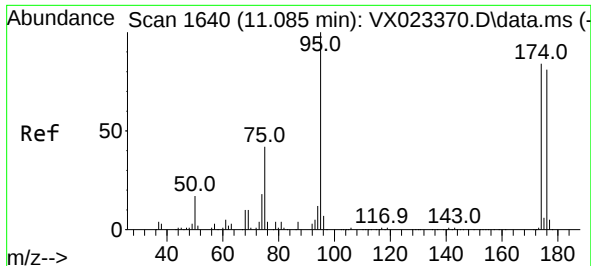


#59

2-Hexanone
Concen: 160.755 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 43 Resp: 328872
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#

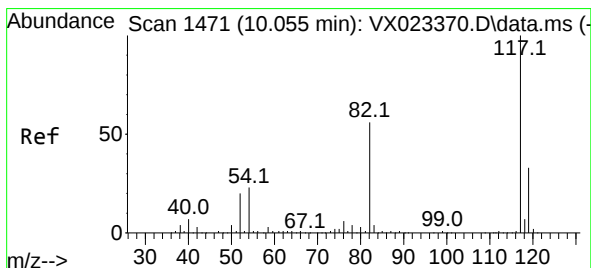
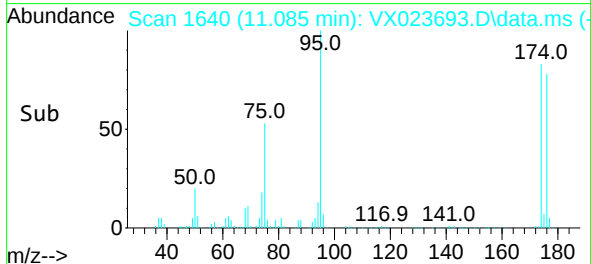
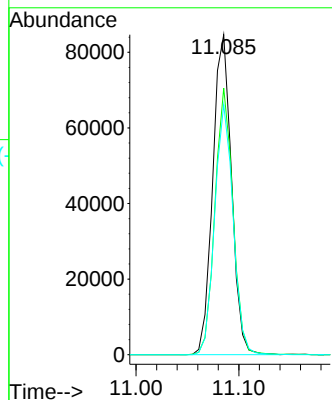
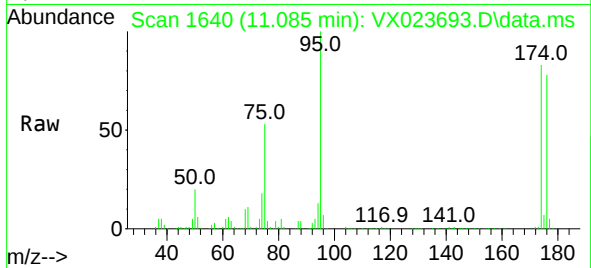




#62
4-Bromofluorobenzene
Concen: 55.107 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

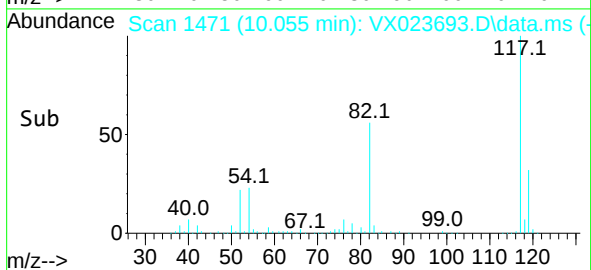
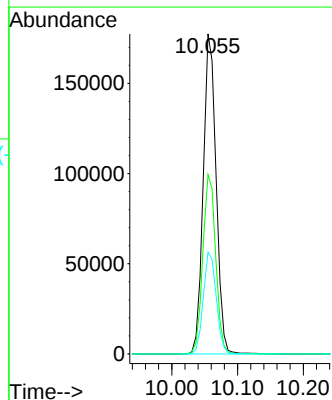
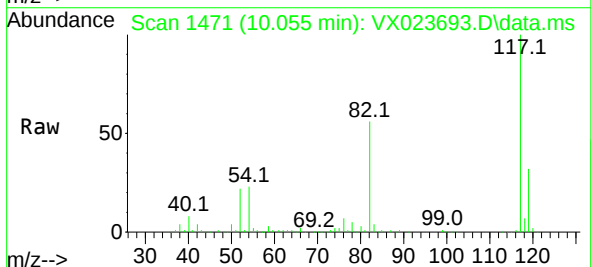
Instrument :
MSVOA_X
ClientSampleId :

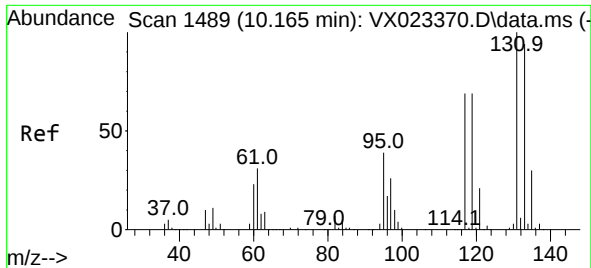
Tgt Ion: 95 Resp: 107276
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 117 Resp: 241435
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 31.9 26.6 39.8

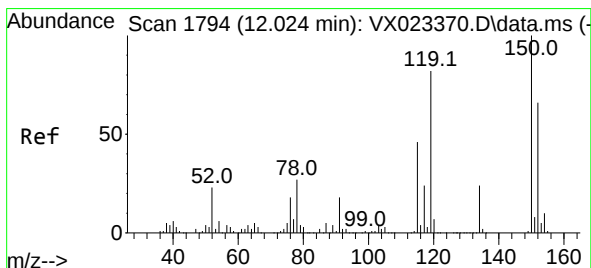
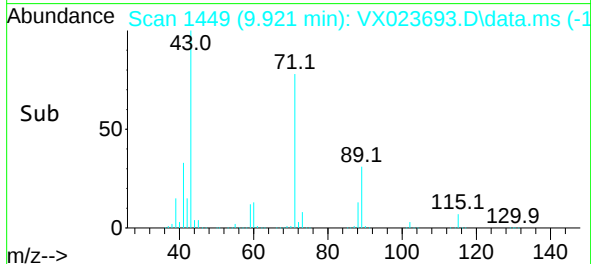
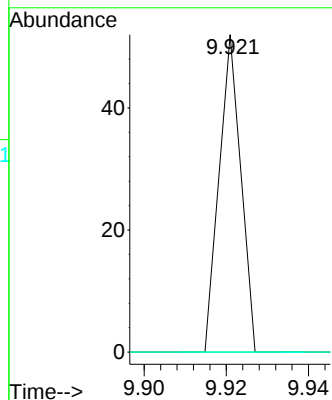
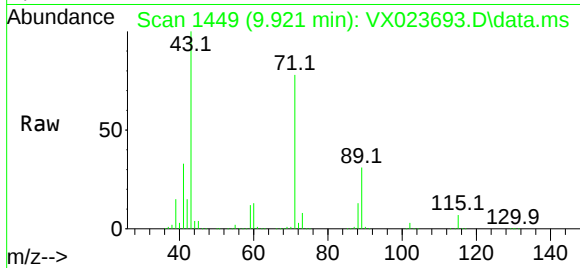




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.984 ug/l
 RT: 9.921 min Scan# 1449
 Delta R.T. -0.244 min
 Lab File: VX023693.D
 Acq: 13 Aug 2021 16:13

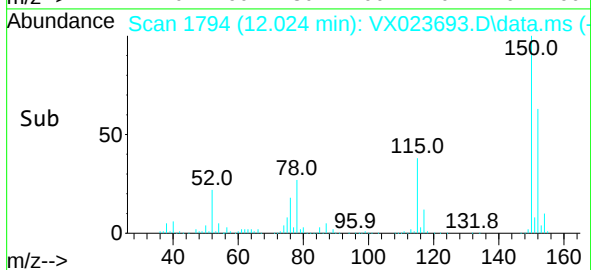
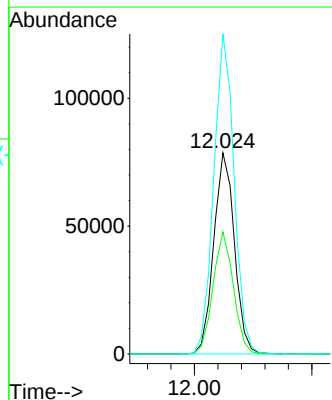
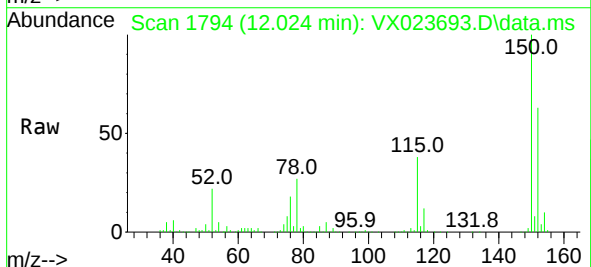
Instrument :
 MSVOA_X
 ClientSampled :

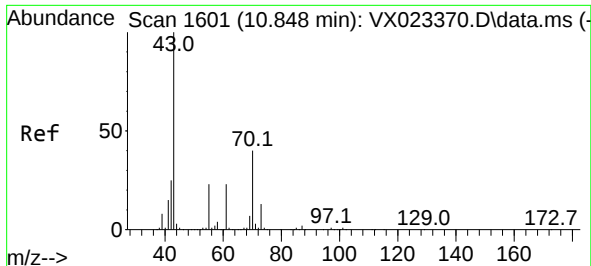
Tgt Ion:	131	Resp:	19
Ion Ratio	Lower	Upper	
131	100		
133	0.0	47.7	143.1#
119	0.0	32.1	96.5#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023693.D
 Acq: 13 Aug 2021 16:13

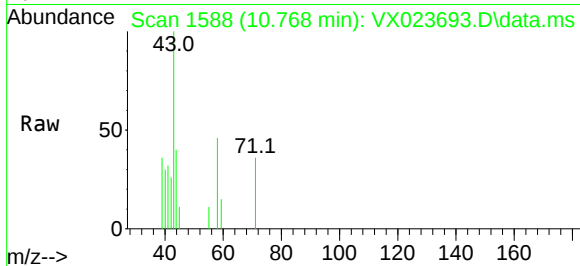
Tgt Ion:	152	Resp:	96047
Ion Ratio	Lower	Upper	
152	100		
115	59.7	41.1	123.3
150	156.7	0.0	349.0



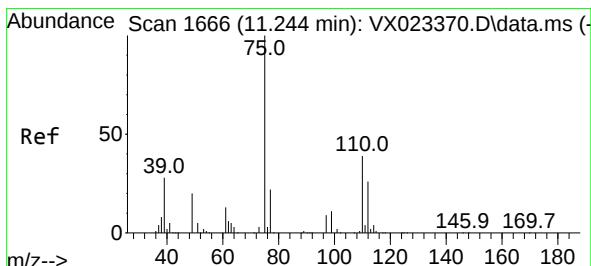
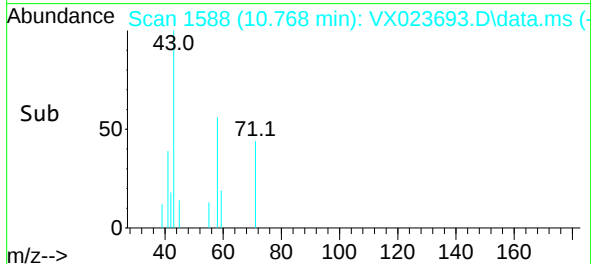
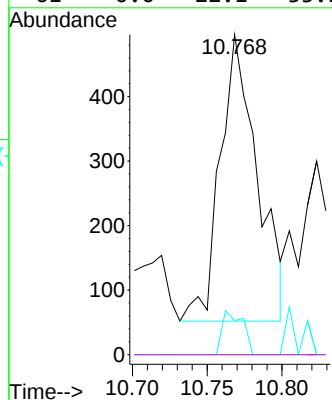


#74
N-amy1 acetate
Concen: 0.232 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Instrument :
MSVOA_X
ClientSampled :

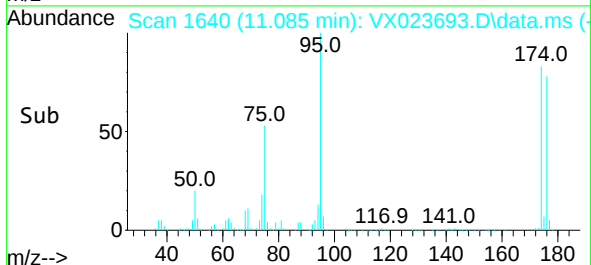
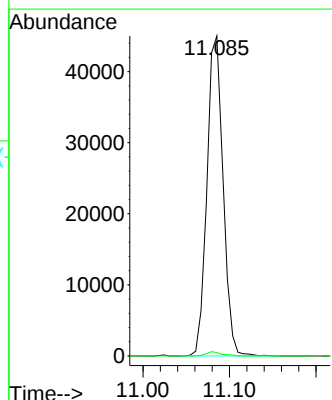
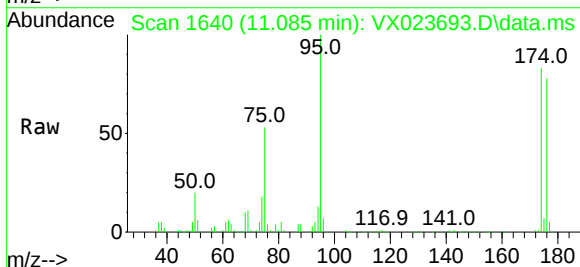


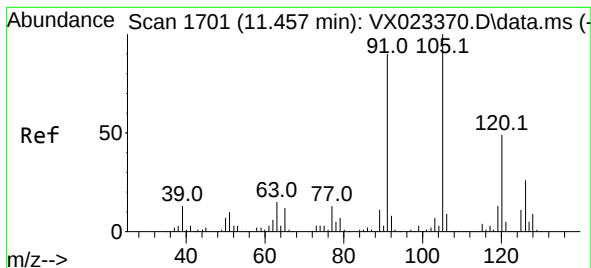
Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 8.5 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.544 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023693.D
Acq: 13 Aug 2021 16:13

Tgt Ion: 75 Resp: 58217
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.754 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VX023693.D

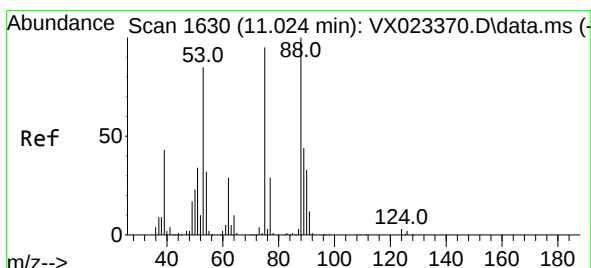
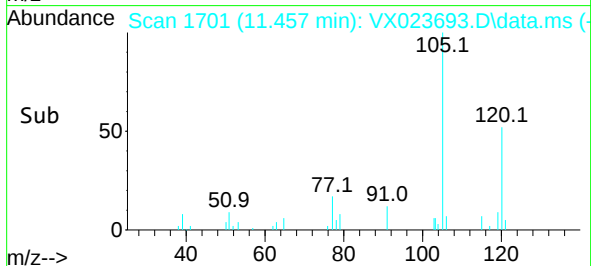
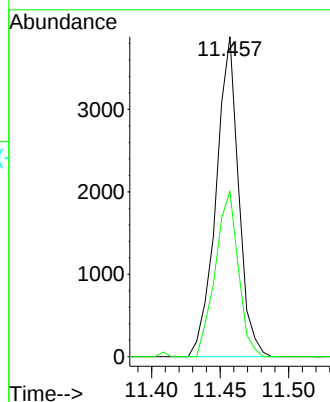
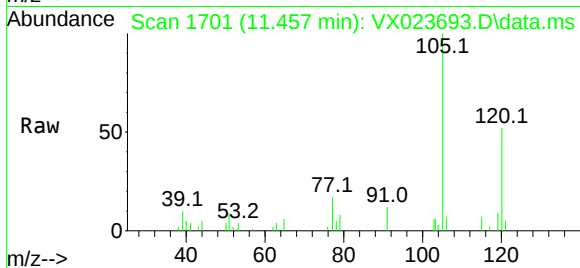
Acq: 13 Aug 2021 16:13

Tgt Ion:105 Resp: 4449

Ion Ratio Lower Upper

105 100

120 52.4 23.8 71.5



#81

trans-1,4-Dichloro-2-butene

Concen: 74.063 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX023693.D

Acq: 13 Aug 2021 16:13

Tgt Ion: 75 Resp: 58217

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

