

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023697.D
 Acq On : 13 Aug 2021 17:47
 Operator : JC/MD
 Sample : PB138358ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:28:31 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)

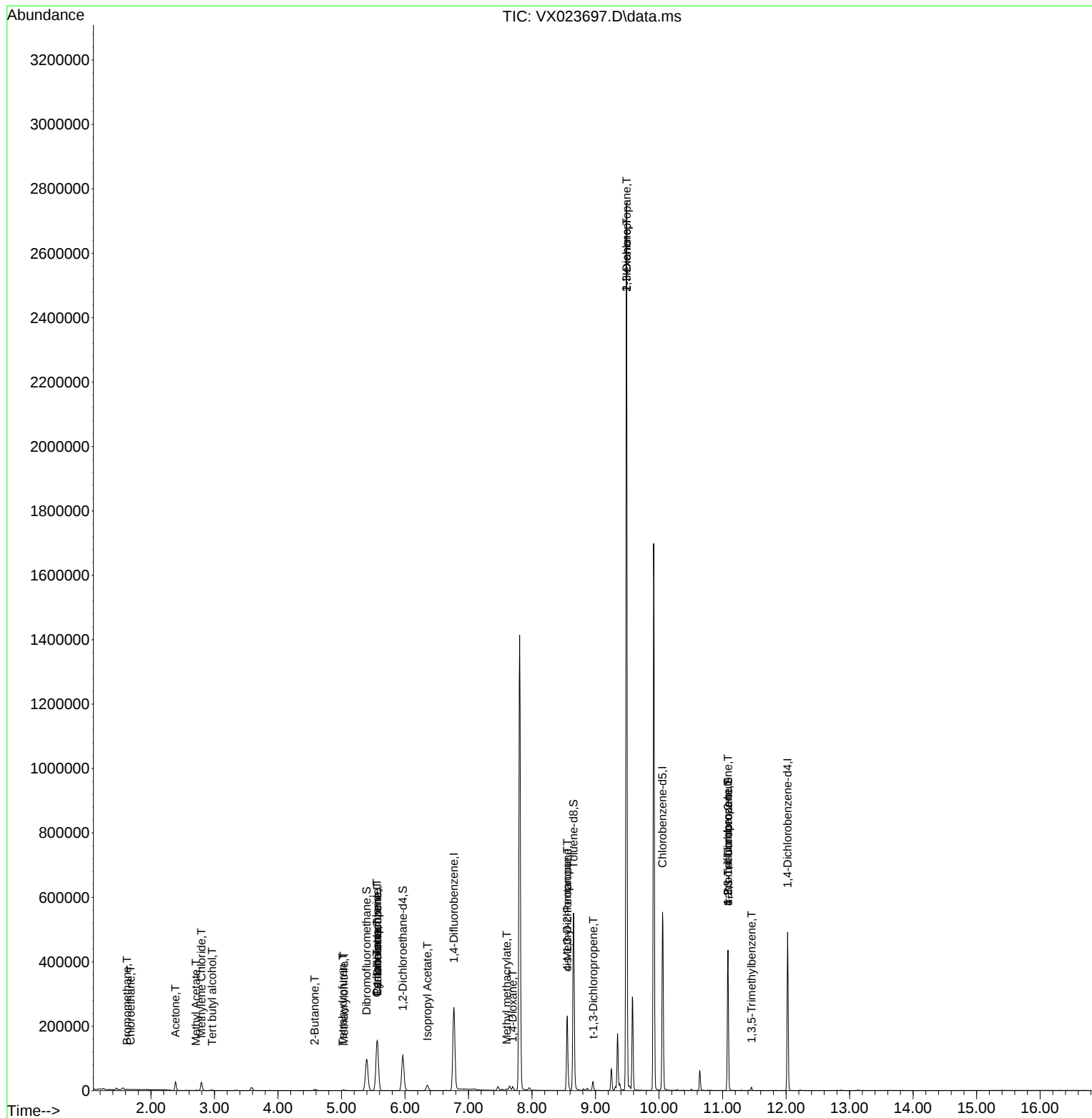
Internal Standards						
1) Pentafluorobenzene	5.562	168	148274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105366	56.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.940%			
35) Dibromofluoromethane	5.397	113	82266	52.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.653	98	318606	54.853	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.700%			
62) 4-Bromofluorobenzene	11.085	95	107207	54.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	387	0.405	ug/l #	52
6) Chloroethane	1.678	64	210	0.213	ug/l #	43
11) Tert butyl alcohol	2.965	59	1582	3.744	ug/l #	73
16) Acetone	2.386	43	26758	29.492	ug/l	99
18) Methyl Acetate	2.709	43	1866	0.865	ug/l #	84
20) Methylene Chloride	2.794	84	11244	6.371	ug/l #	90
25) 2-Butanone	4.574	43	4512	3.203	ug/l #	82
29) Tetrahydrofuran	5.019	42	1838	1.991	ug/l #	77
31) Cyclohexane	5.562	56	3400	1.241	ug/l #	7
36) 1,1-Dichloropropene	5.562	75	11467	5.013	ug/l #	45
38) Carbon Tetrachloride	5.556	117	14905	6.408	ug/l #	16
41) Methacrylonitrile	5.038	41	886	0.582	ug/l #	41
43) Isopropyl Acetate	6.354	43	22027	4.929	ug/l	93
48) Methyl methacrylate	7.604	41	5863	2.833	ug/l #	10
49) 1,4-Dioxane	7.696	88	21	0.477	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	83318	30.482	ug/l #	44
53) t-1,3-Dichloropropene	8.964	75	24	1.825	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	33984	12.431	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	21099	7.298	ug/l #	43
59) 2-Hexanone	9.488	43	324323	156.254	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	57429	27.155	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4393	0.744	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	57429	73.016	ug/l #	12

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

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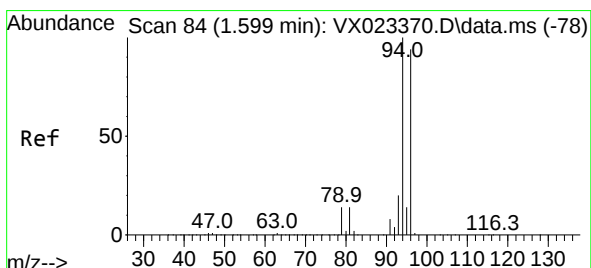
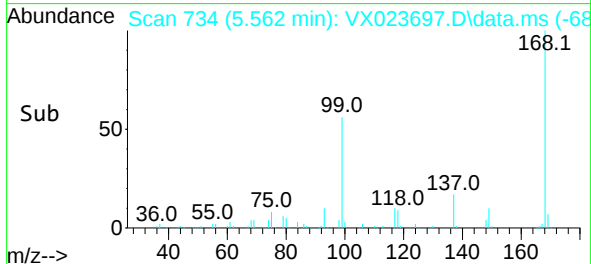
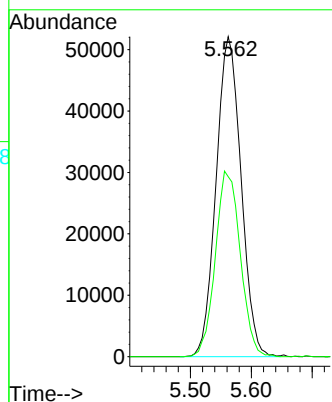
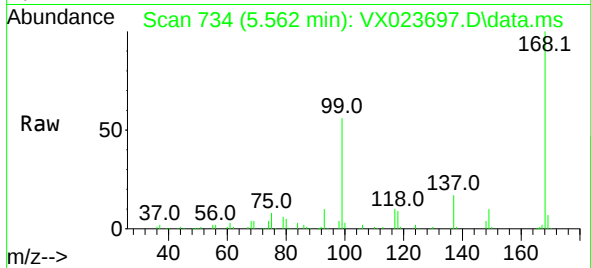




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

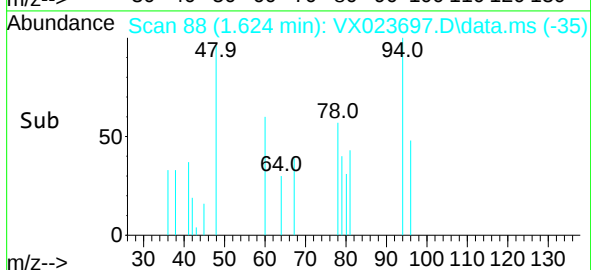
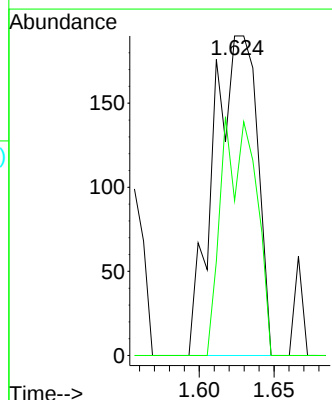
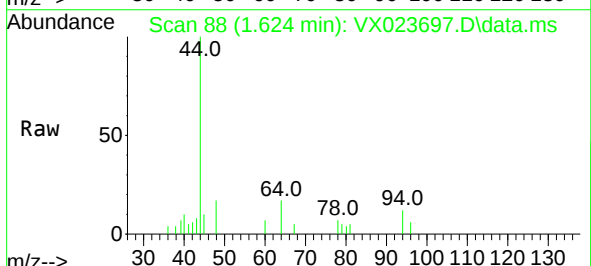
Instrument :
MSVOA_X
ClientSampled :

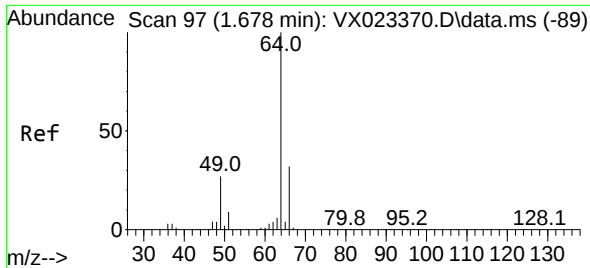
Tgt Ion:168 Resp: 148274
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#5
Bromomethane
Concen: 0.405 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 94 Resp: 387
Ion Ratio Lower Upper
94 100
96 48.4 76.4 114.6#

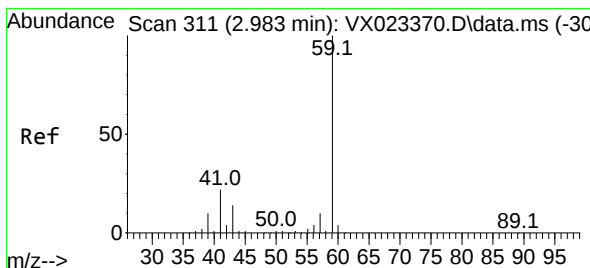
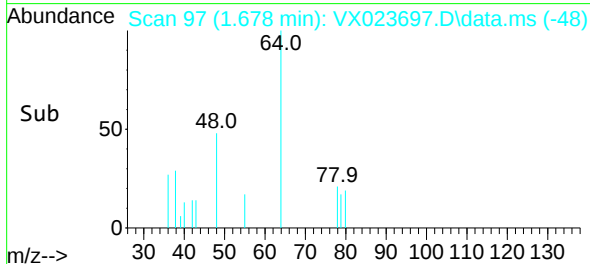
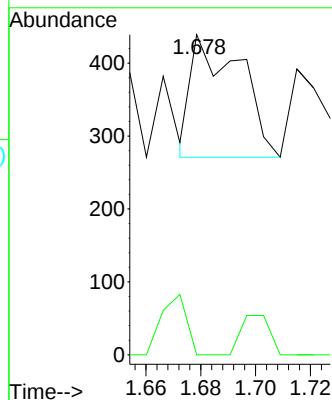
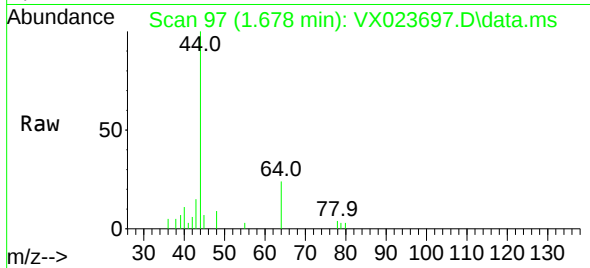




#6
Chloroethane
Concen: 0.213 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

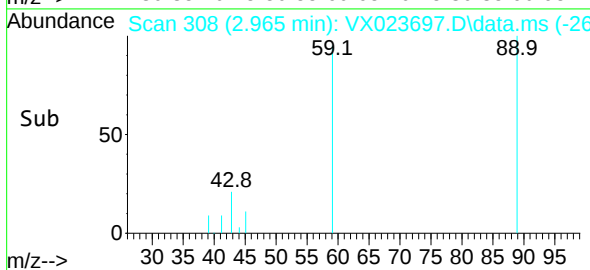
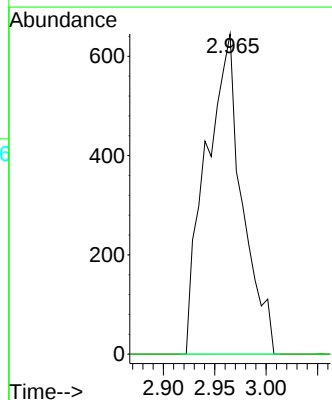
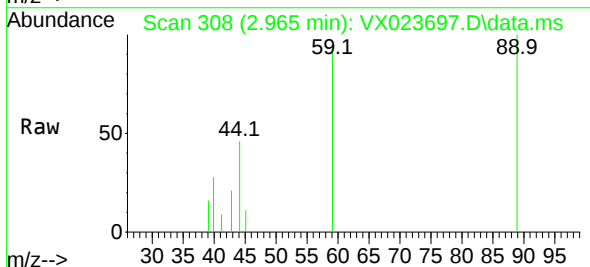
Instrument :
MSVOA_X
ClientSampled :

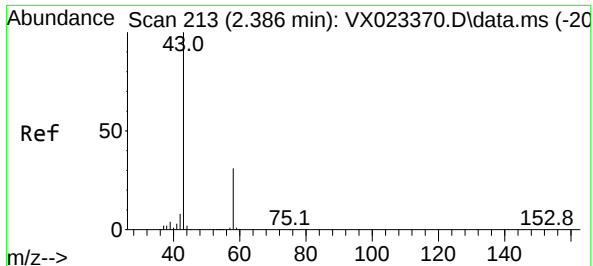
Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.744 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 59 Resp: 1582
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

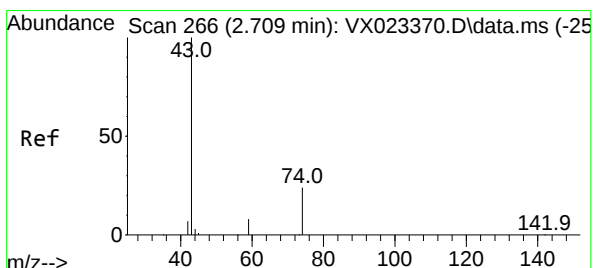
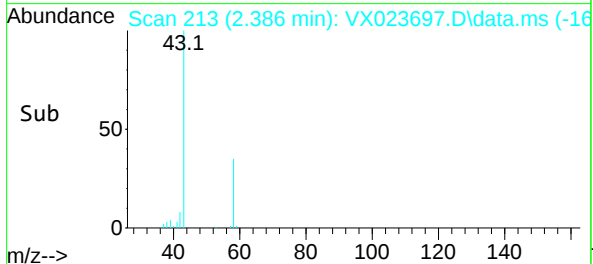
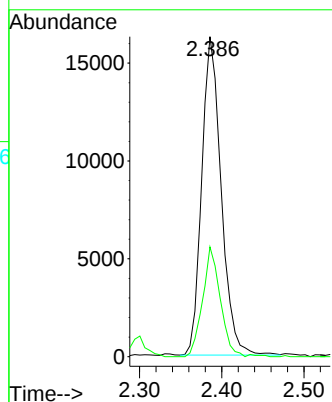
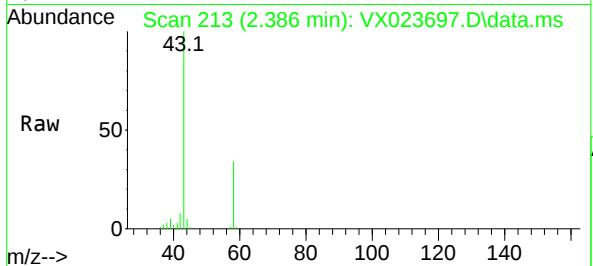




#16
Acetone
Concen: 29.492 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

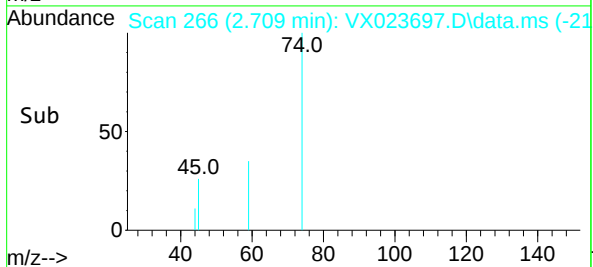
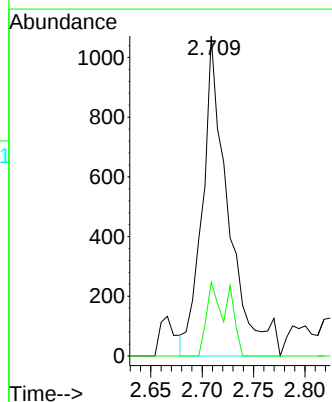
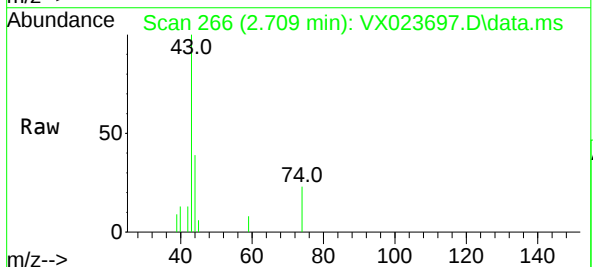
Instrument :
MSVOA_X
ClientSampled :

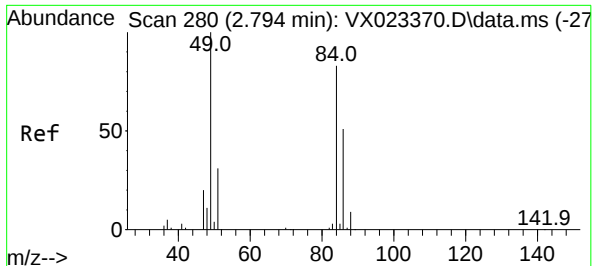
Tgt Ion: 43 Resp: 26758
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
74 19.1 21.9 32.9#





#20

Methylene Chloride

Concen: 6.371 ug/l

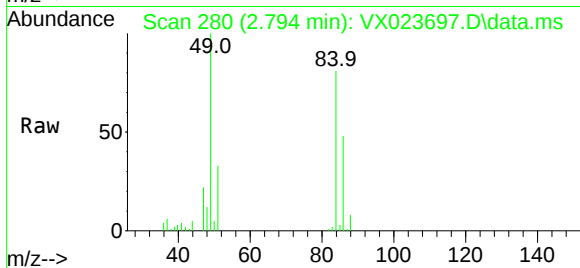
RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

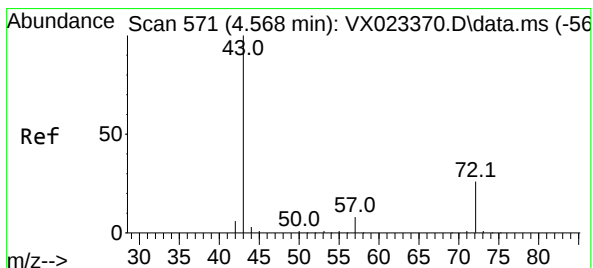
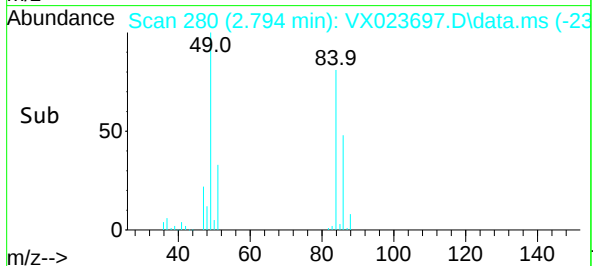
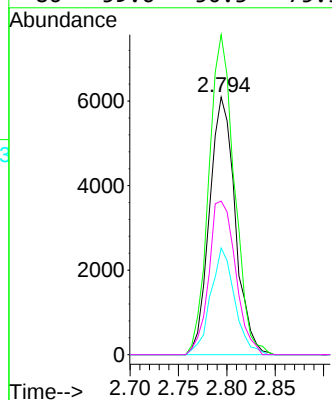
Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	84	Resp:	11244
Ion	Ratio	Lower	Upper
84	100		
49	124.2	88.6	132.8
51	41.4	27.0	40.6#
86	59.6	50.3	75.5



#25

2-Butanone

Concen: 3.203 ug/l

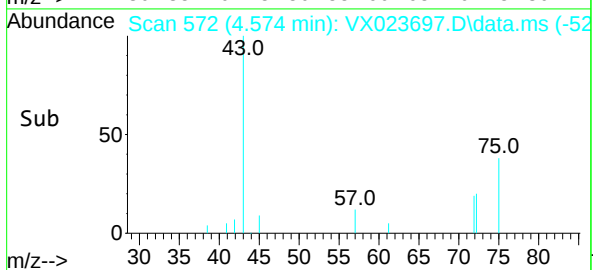
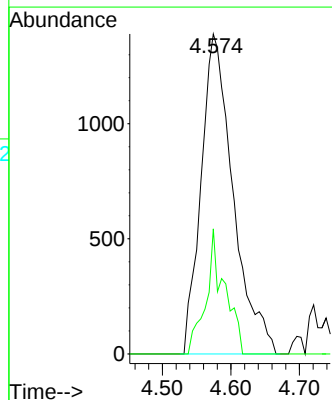
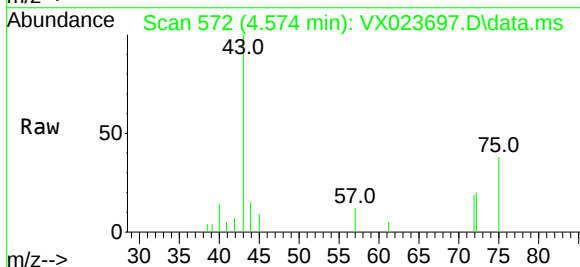
RT: 4.574 min Scan# 572

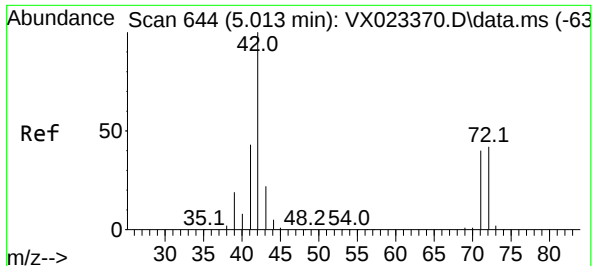
Delta R.T. 0.006 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	43	Resp:	4512
Ion	Ratio	Lower	Upper
43	100		
72	39.1	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.991 ug/l

RT: 5.019 min Scan# 645

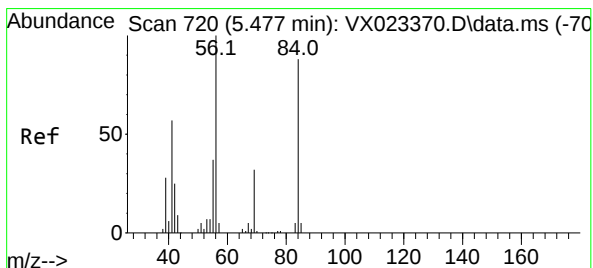
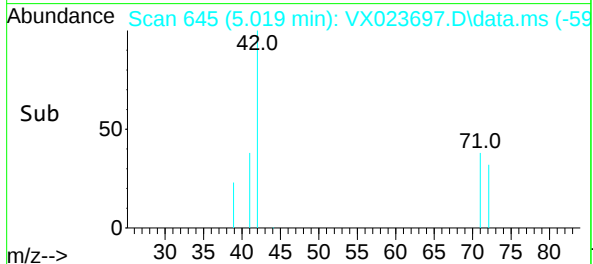
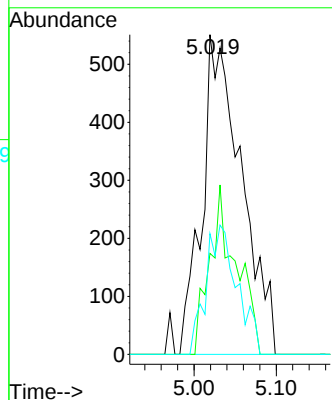
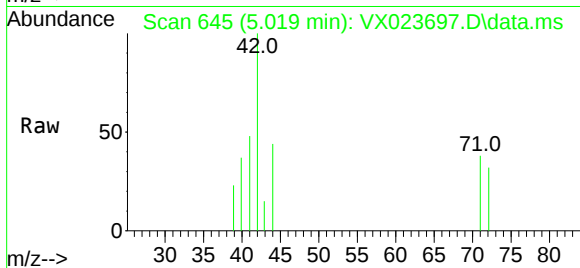
Delta R.T. 0.006 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	42	Resp:	1838
Ion	Ratio	Lower	Upper
42	100		
72	35.9	41.7	62.5#
71	31.9	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.241 ug/l

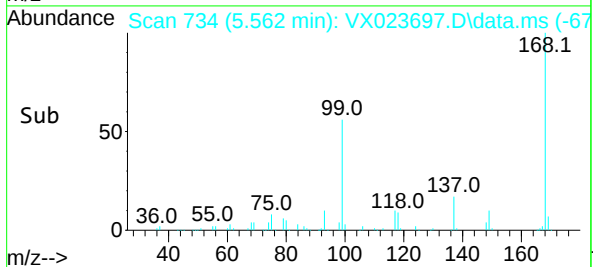
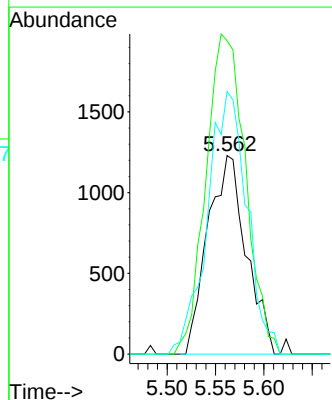
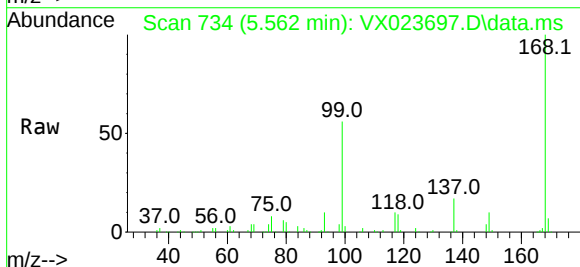
RT: 5.562 min Scan# 734

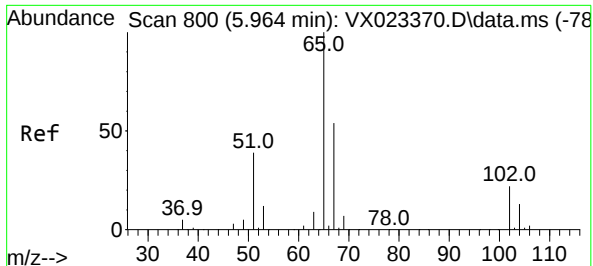
Delta R.T. 0.085 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	56	Resp:	3400
Ion	Ratio	Lower	Upper
56	100		
69	157.8	25.3	37.9#
84	132.2	71.4	107.0#



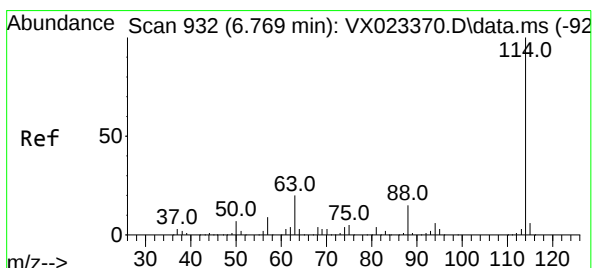
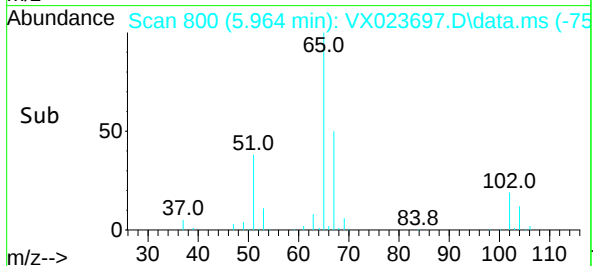
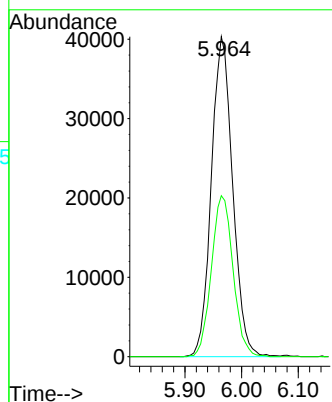
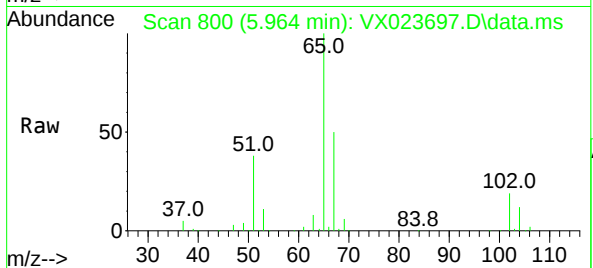


#33

1,2-Dichloroethane-d4
Concen: 56.967 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Instrument :
MSVOA_X
ClientSampled :

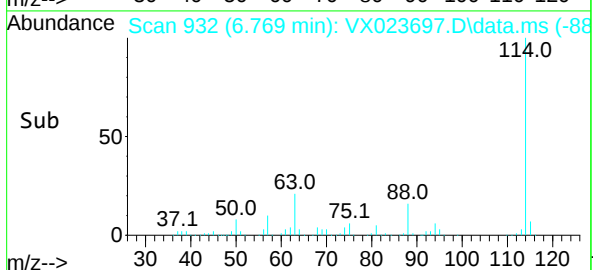
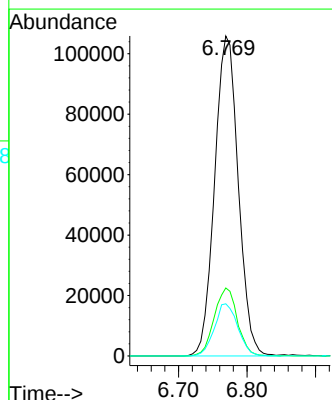
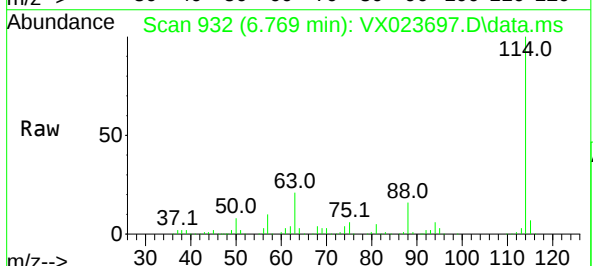
Tgt Ion: 65 Resp: 105366
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

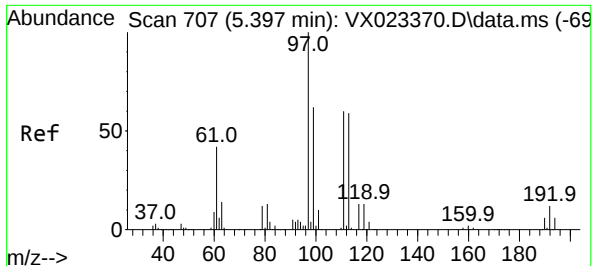


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 114 Resp: 252848
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.037 ug/l

RT: 5.397 min Scan# 707

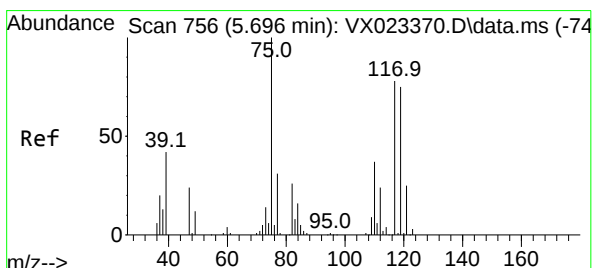
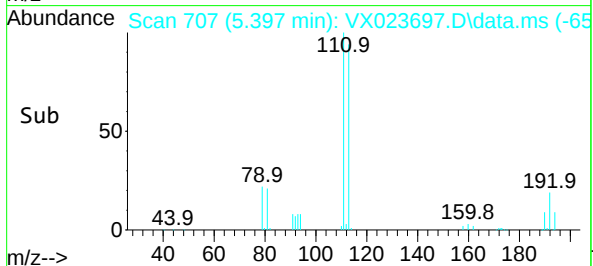
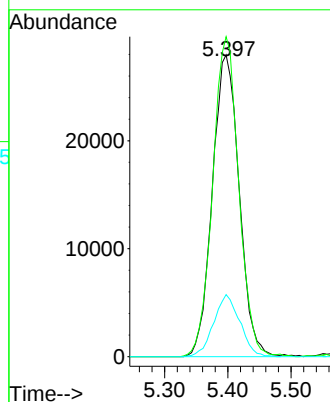
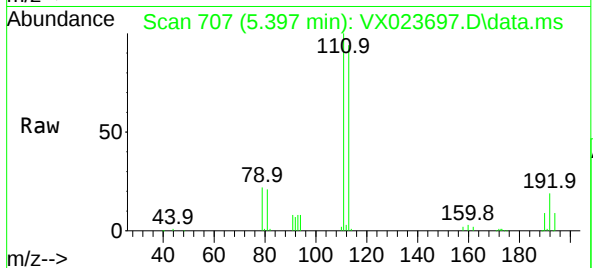
Delta R.T. 0.000 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	113	Resp:	82266
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	20.1	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.013 ug/l

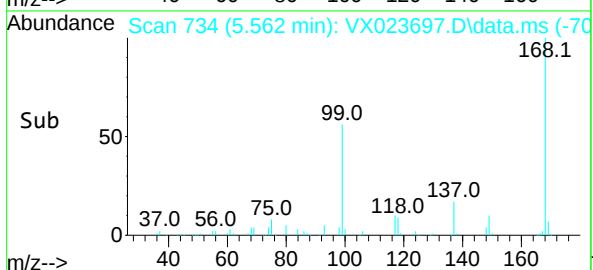
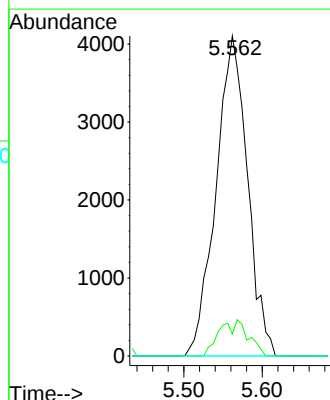
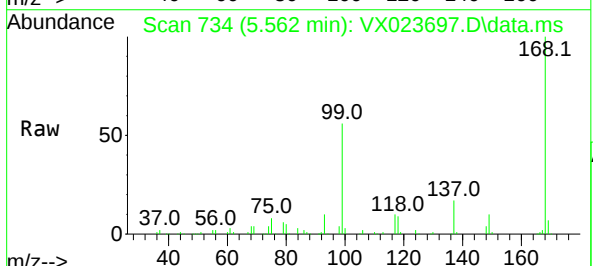
RT: 5.562 min Scan# 734

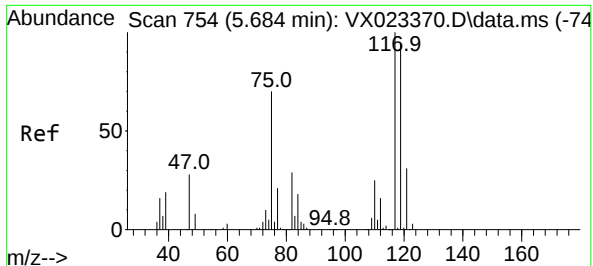
Delta R.T. -0.134 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

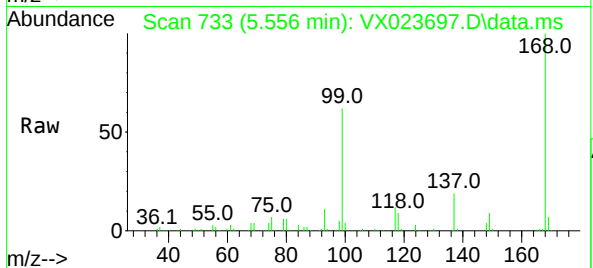
Tgt Ion:	75	Resp:	11467
Ion	Ratio	Lower	Upper
75	100		
110	5.4	18.1	54.4#
77	0.0	25.3	37.9#



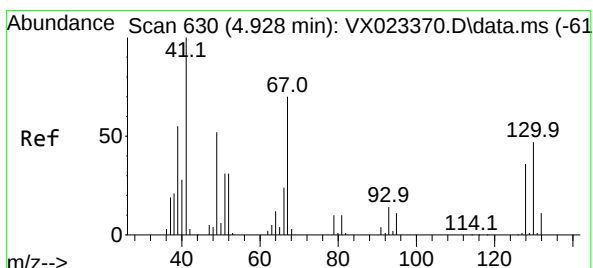
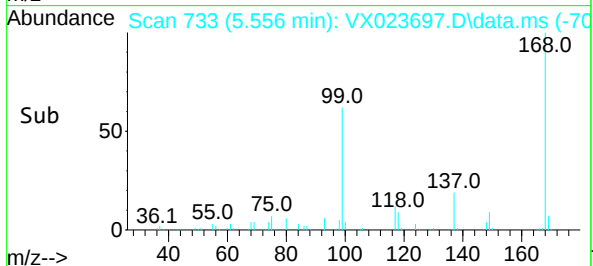
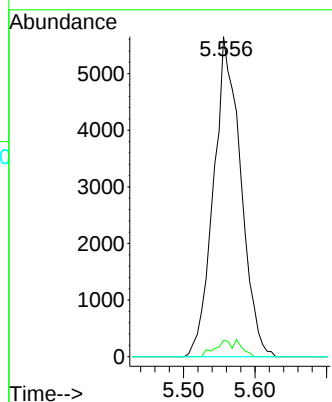


#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Instrument :
MSVOA_X
ClientSampled :

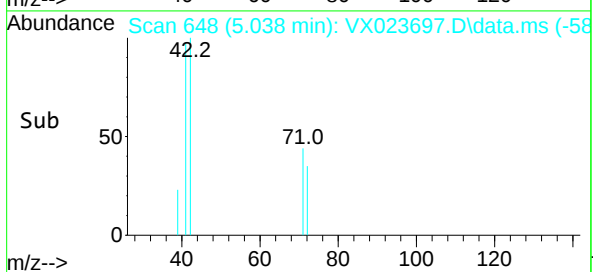
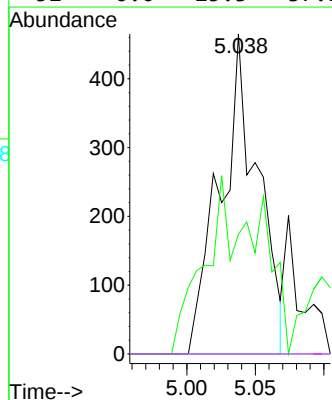
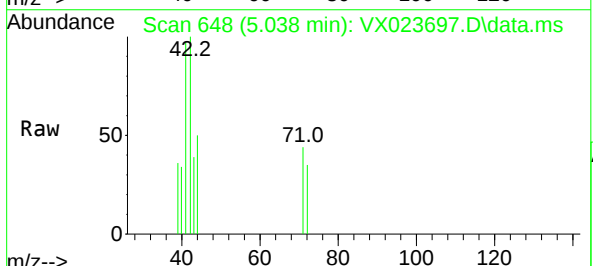


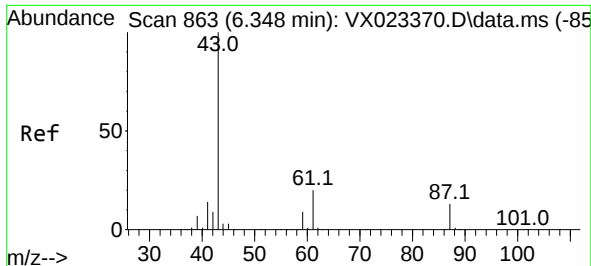
Tgt Ion:117 Resp: 14905
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.582 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 41 Resp: 886
Ion Ratio Lower Upper
41 100
39 45.5 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

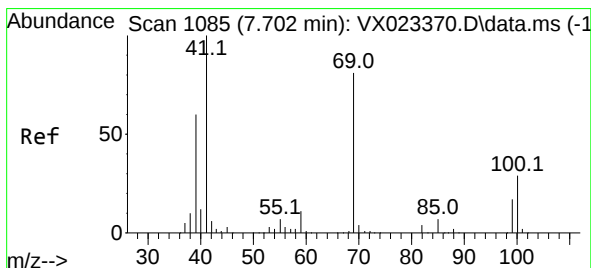
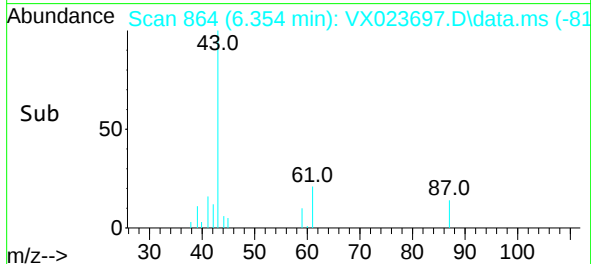
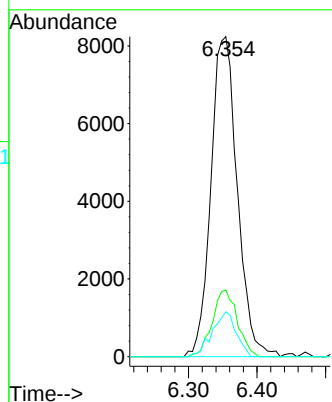
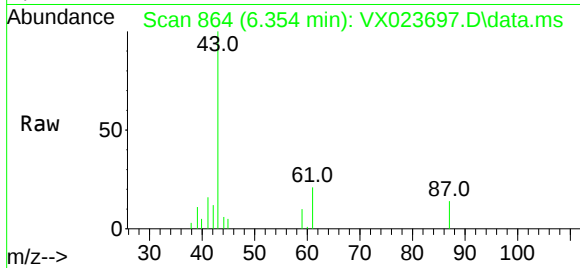




#43
Isopropyl Acetate
Concen: 4.929 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

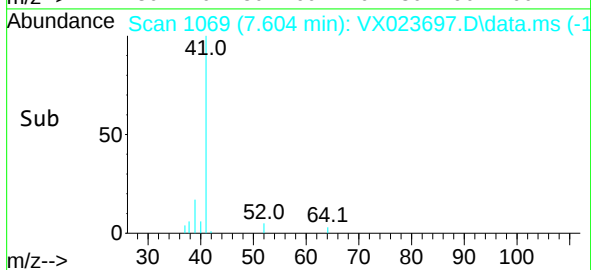
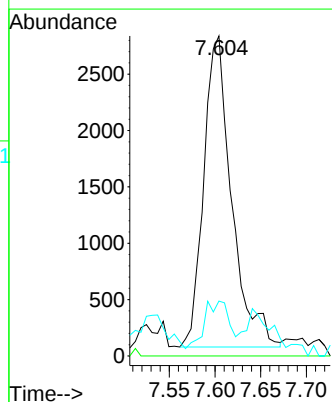
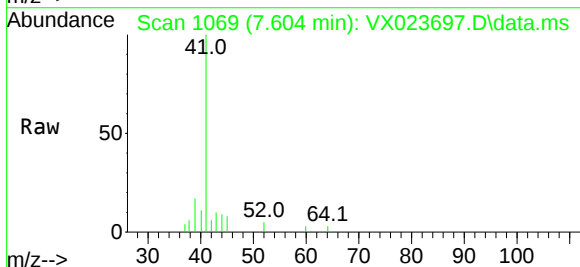
Instrument :
MSVOA_X
ClientSampled :

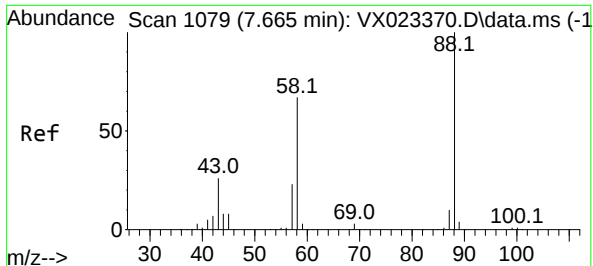
Tgt Ion:	43	Resp:	22027
Ion	Ratio	Lower	Upper
43	100		
61	19.7	18.2	27.4
87	12.7	12.5	18.7



#48
Methyl methacrylate
Concen: 2.833 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion:	41	Resp:	5863
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: 0.477 ug/l

RT: 7.696 min Scan# 1084

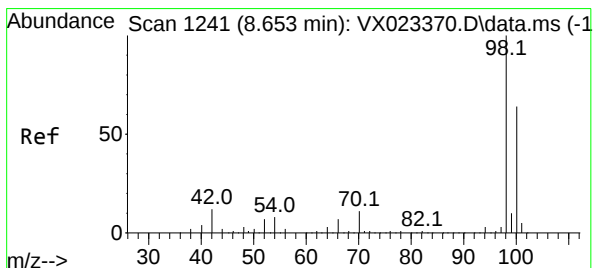
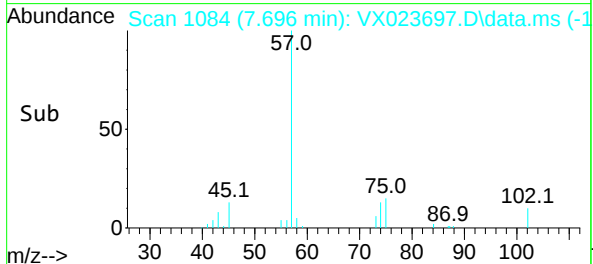
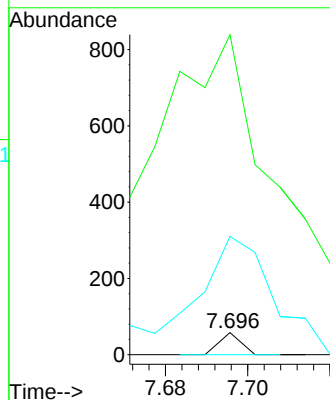
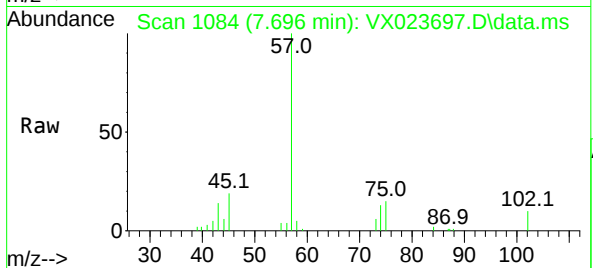
Delta R.T. 0.031 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	88	Resp:	21
Ion Ratio	Lower	Upper	
88	100		
43	0.0	23.2	34.8#
58	1823.8	55.0	82.4#

Instrument :
MSVOA_X
ClientSampled :



#50

Toluene-d8

Concen: 54.853 ug/l

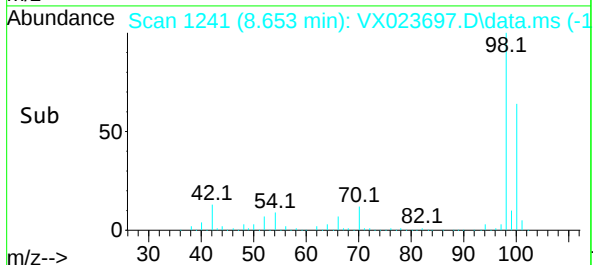
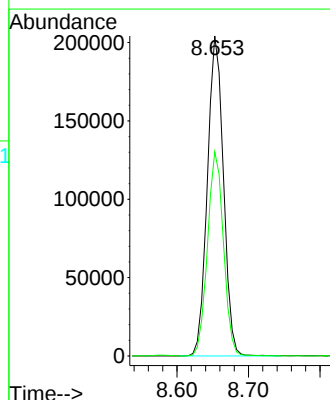
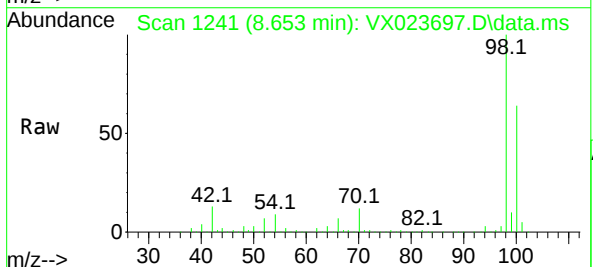
RT: 8.653 min Scan# 1241

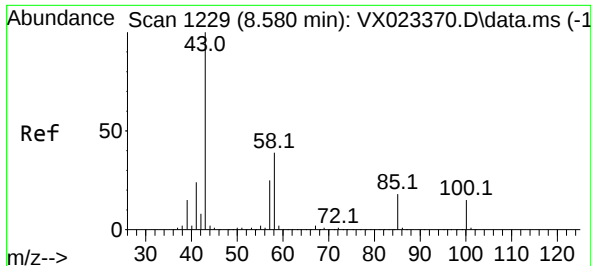
Delta R.T. -0.000 min

Lab File: VX023697.D

Acq: 13 Aug 2021 17:47

Tgt Ion:	98	Resp:	318606
Ion Ratio	Lower	Upper	
98	100		
100	63.4	51.9	77.9

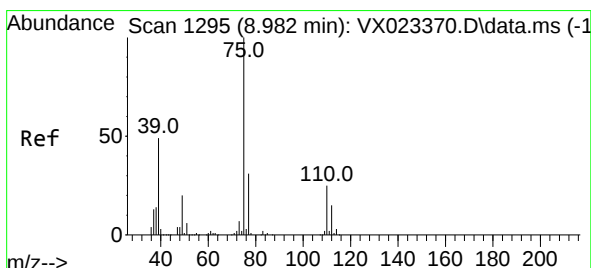
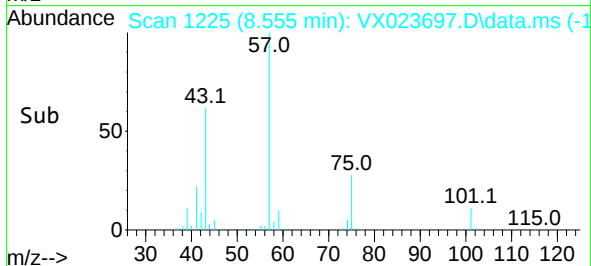
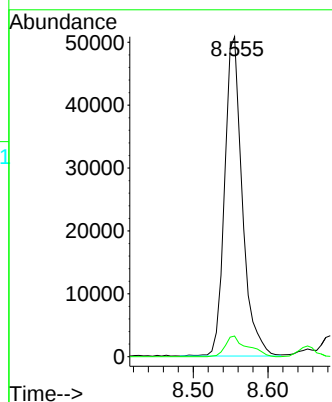
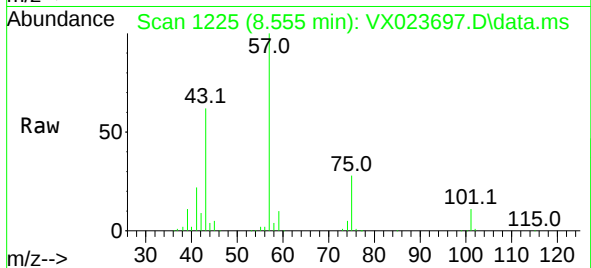




#51
4-Methyl-2-Pentanone
Concen: 30.482 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

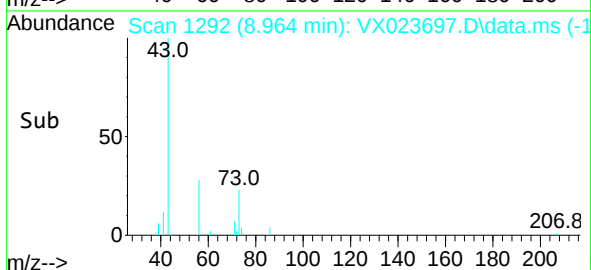
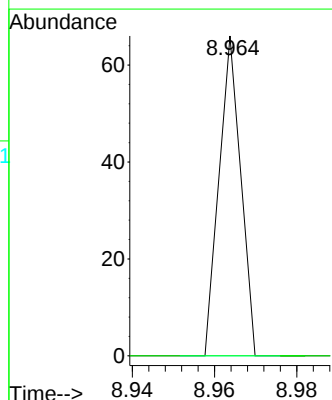
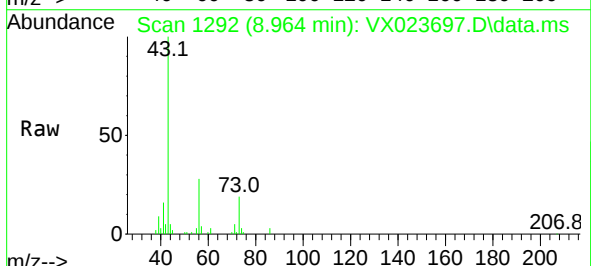
Instrument :
MSVOA_X
ClientSampled :

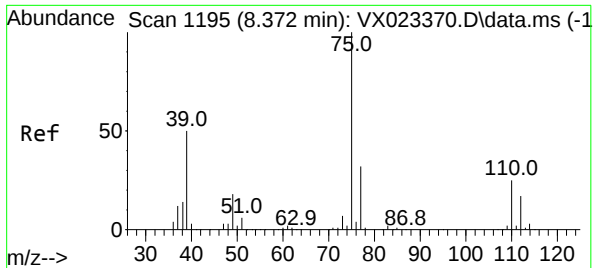
Tgt Ion: 43 Resp: 83318
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.825 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

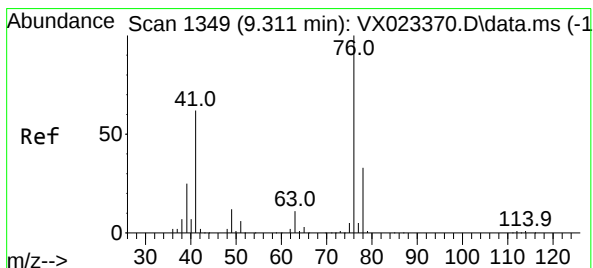
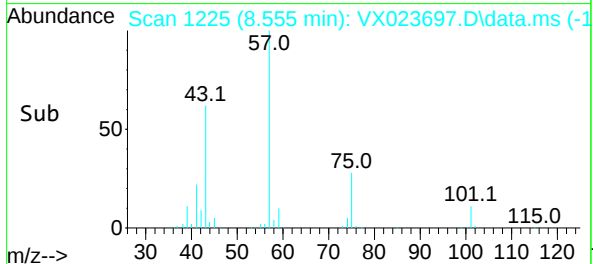
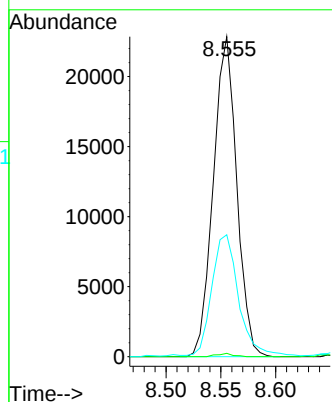
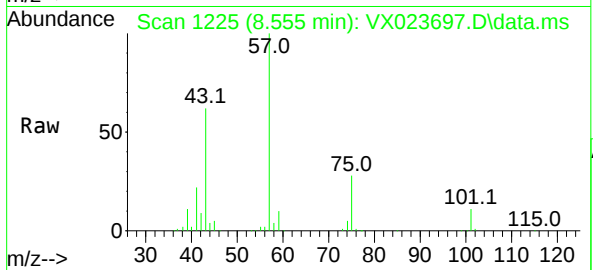




#54
 cis-1,3-Dichloropropene
 Concen: 12.431 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023697.D
 Acq: 13 Aug 2021 17:47

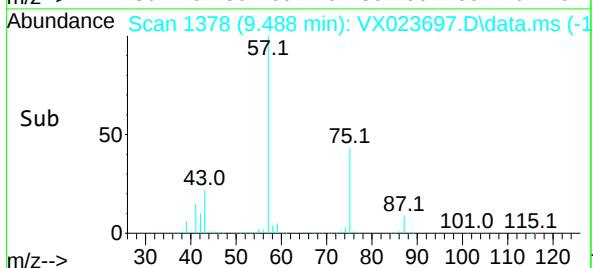
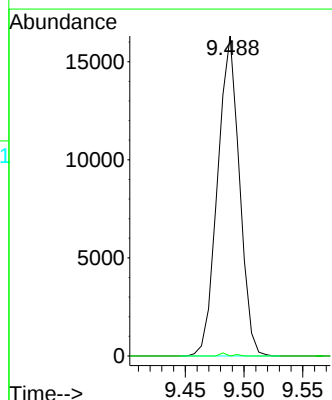
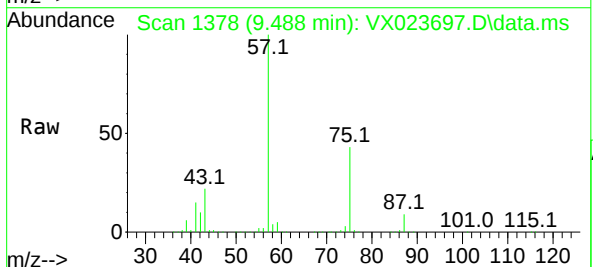
Instrument :
 MSVOA_X
 ClientSampled :

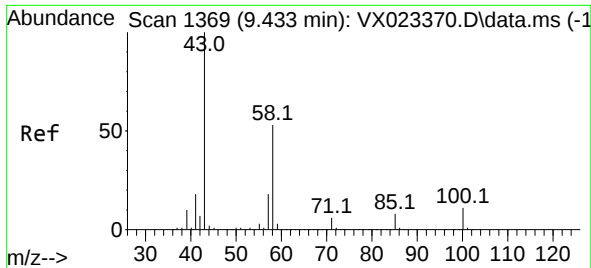
Tgt Ion: 75 Resp: 33984
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.7 38.5#
 39 37.7 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.298 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023697.D
 Acq: 13 Aug 2021 17:47

Tgt Ion: 76 Resp: 21099
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

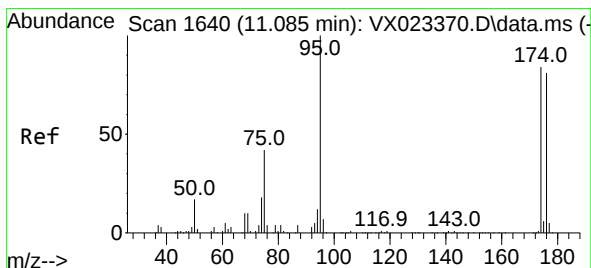
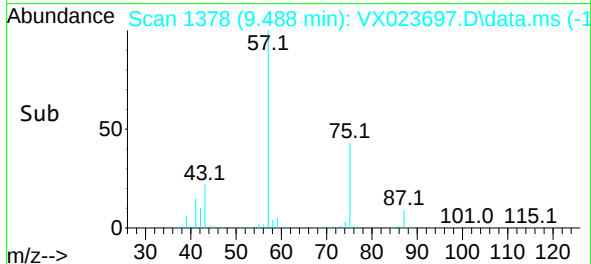
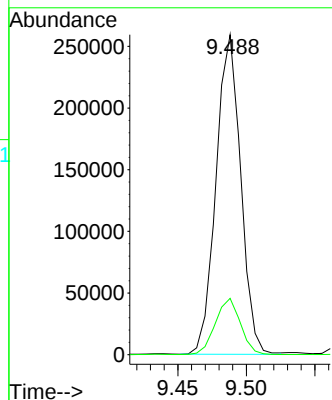
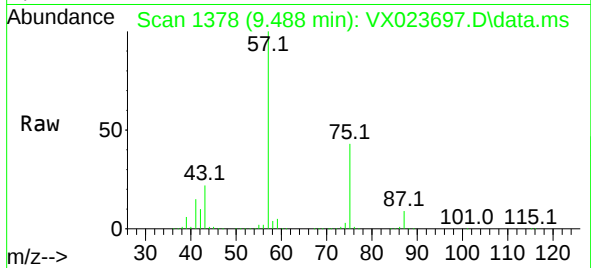




#59
2-Hexanone
Concen: 156.254 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

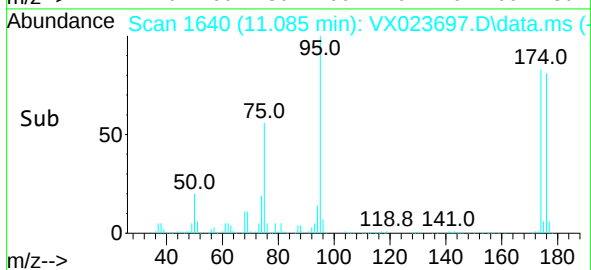
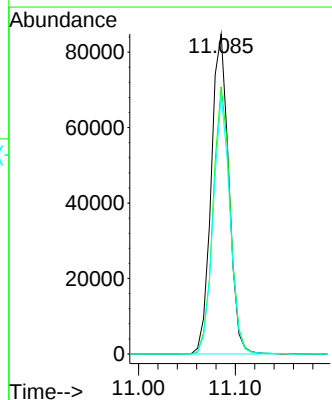
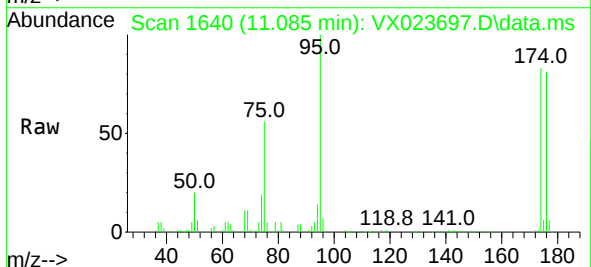
Instrument :
MSVOA_X
ClientSampled :

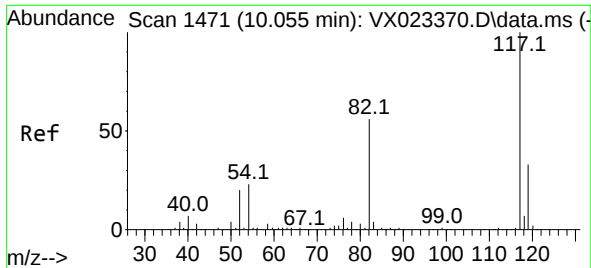
Tgt Ion: 43 Resp: 324323
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 54.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion: 95 Resp: 107207
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 77.2 0.0 155.8

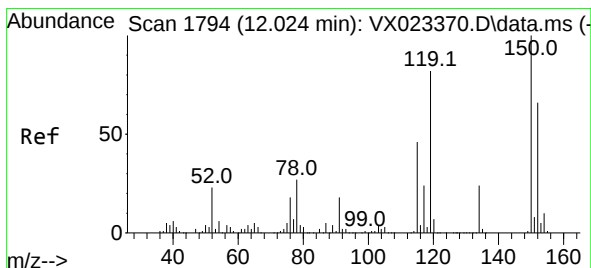
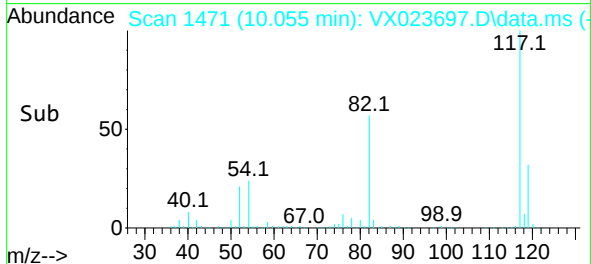
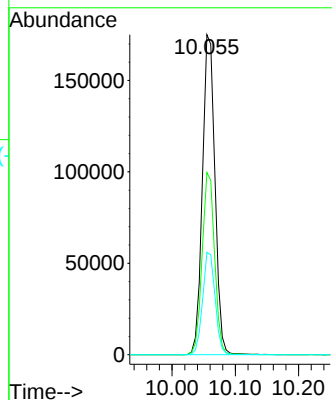
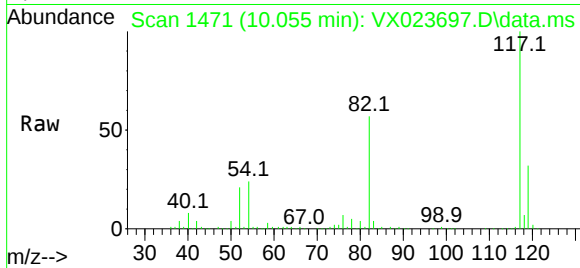




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

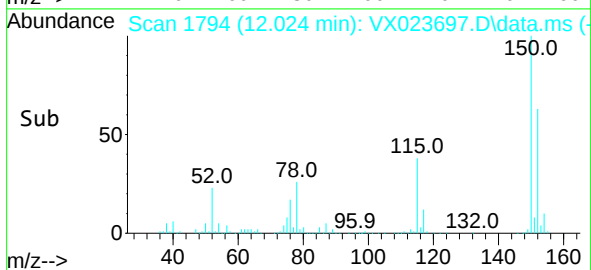
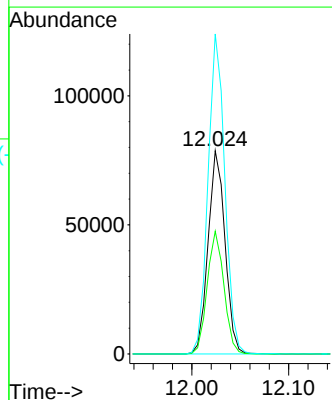
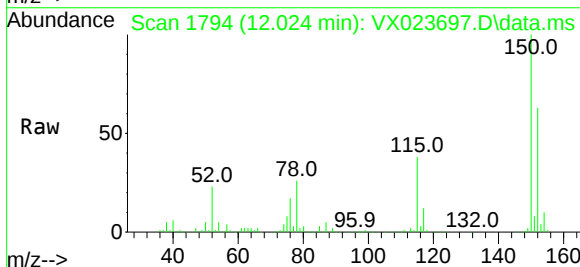
Instrument :
MSVOA_X
ClientSampleId :

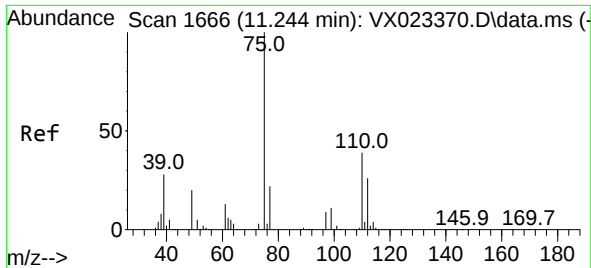
Tgt Ion:117 Resp: 242063
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

Tgt Ion:152 Resp: 96106
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 155.8 0.0 349.0

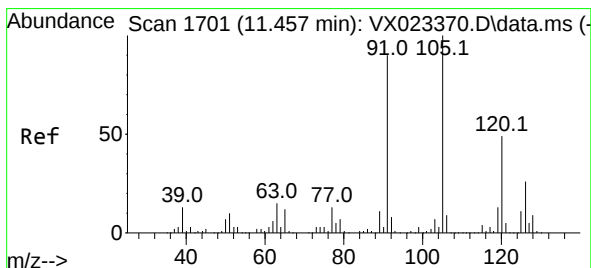
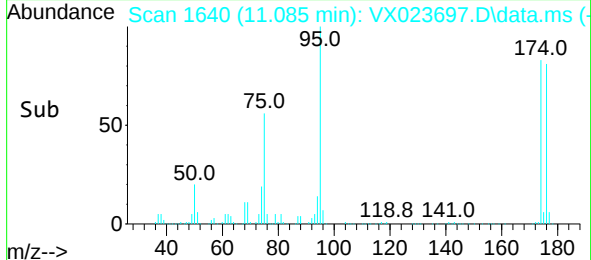
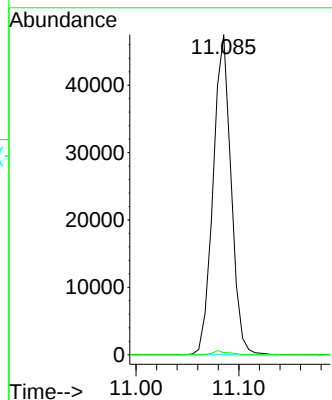
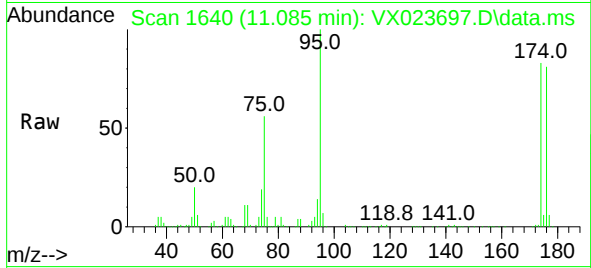




#76
1,2,3-Trichloropropane
Concen: 27.155 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

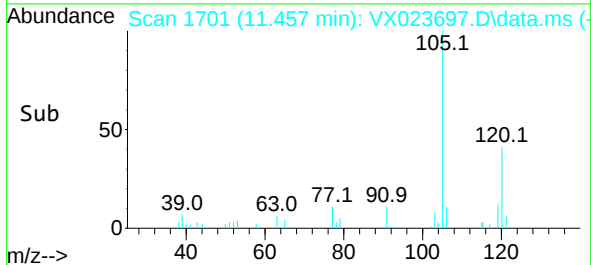
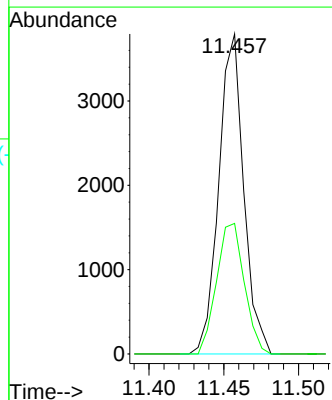
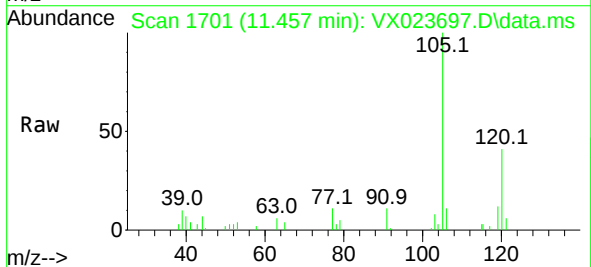
Instrument :
MSVOA_X
ClientSampled :

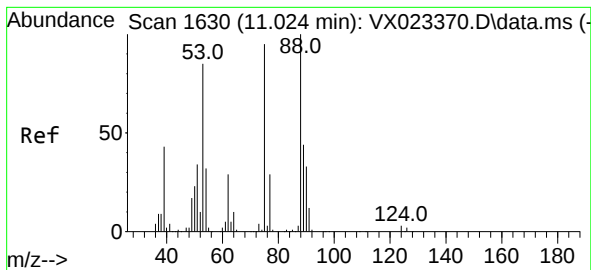
Tgt Ion: 75 Resp: 57429
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.744 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023697.D
Acq: 13 Aug 2021 17:47

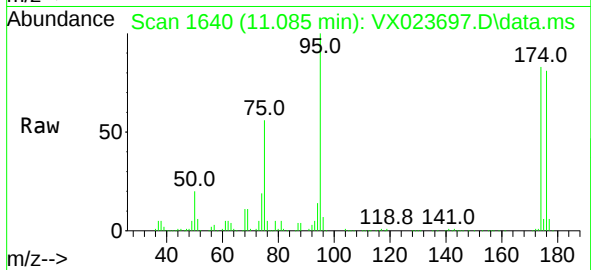
Tgt Ion:105 Resp: 4393
Ion Ratio Lower Upper
105 100
120 45.5 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.016 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023697.D
 Acq: 13 Aug 2021 17:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	57429
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.5	111.7#
89	0.0	37.9	56.9#

