

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023722.D
 Acq On : 14 Aug 2021 04:48
 Operator : JC/MD
 Sample : M3397-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:37:20 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)

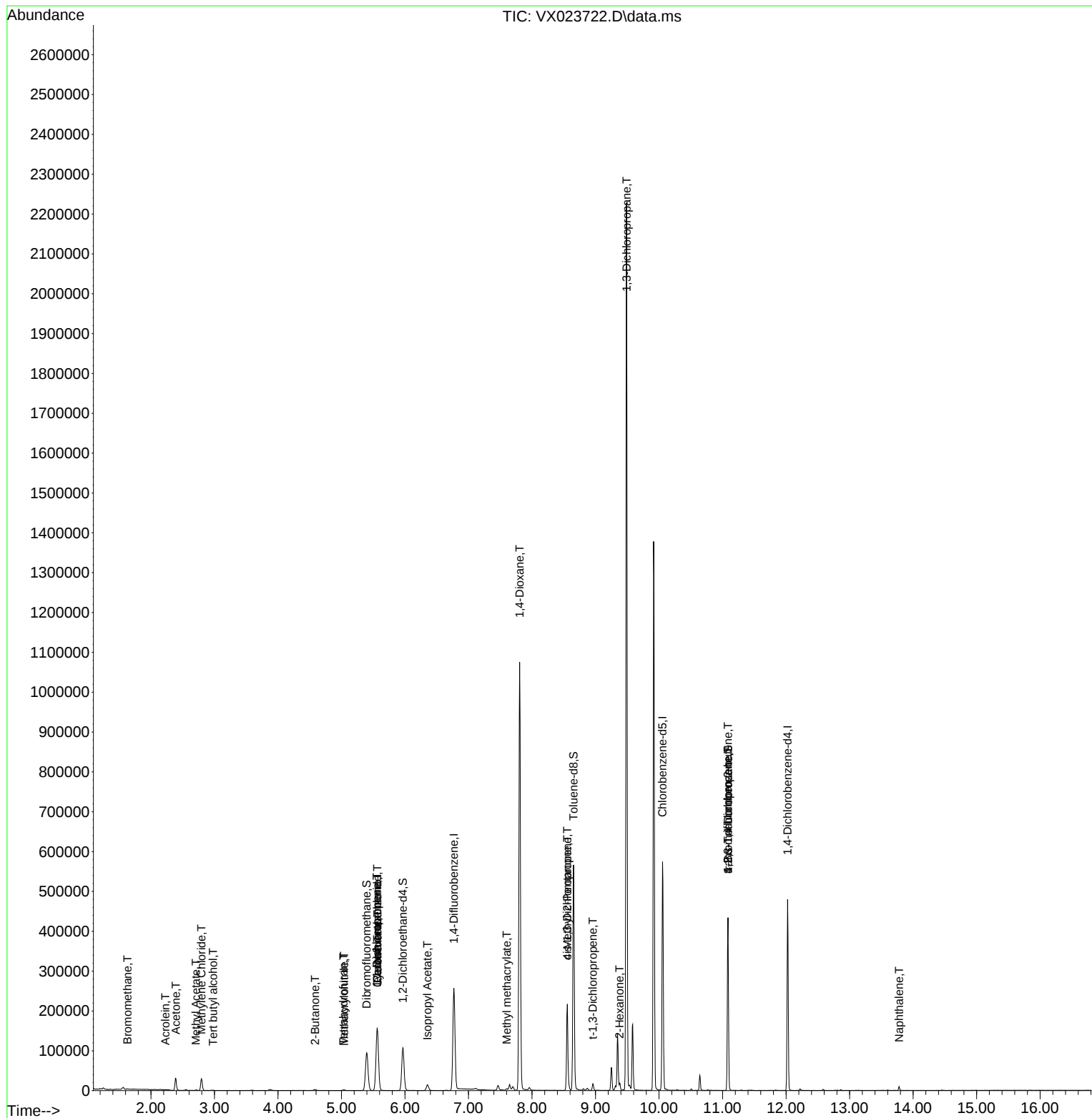
Internal Standards						
1) Pentafluorobenzene	5.562	168	145349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	253566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104068	57.398	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.800%	
35) Dibromofluoromethane	5.397	113	81807	51.600	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.200%	
50) Toluene-d8	8.653	98	321696	55.228	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.460%	
62) 4-Bromofluorobenzene	11.085	95	107004	54.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	401	0.428	ug/l #	62
11) Tert butyl alcohol	2.977	59	713	1.721	ug/l #	73
13) Acrolein	2.227	56	98	1.827	ug/l #	76
16) Acetone	2.392	43	33093	37.208	ug/l #	88
18) Methyl Acetate	2.709	43	1962	0.928	ug/l #	87
20) Methylene Chloride	2.794	84	12911	7.463	ug/l #	81
25) 2-Butanone	4.587	43	4457	3.228	ug/l	98
29) Tetrahydrofuran	5.032	42	771	0.852	ug/l #	71
31) Cyclohexane	5.568	56	3212	1.196	ug/l #	28
36) 1,1-Dichloropropene	5.556	75	11461	4.997	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14973	6.419	ug/l #	17
41) Methacrylonitrile	5.044	41	1001	0.656	ug/l #	32
43) Isopropyl Acetate	6.354	43	19564	4.366	ug/l #	91
48) Methyl methacrylate	7.604	41	6009	2.895	ug/l #	10
49) 1,4-Dioxane	7.805	88	197	4.457	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	75444	27.523	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	42	1.831	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	30478	11.117	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	17790	6.136	ug/l #	43
59) 2-Hexanone	9.378	43	8433	4.051	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	57558	26.997	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57558	72.591	ug/l #	12
95) Naphthalene	13.780	128	5414	0.793	ug/l	98

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

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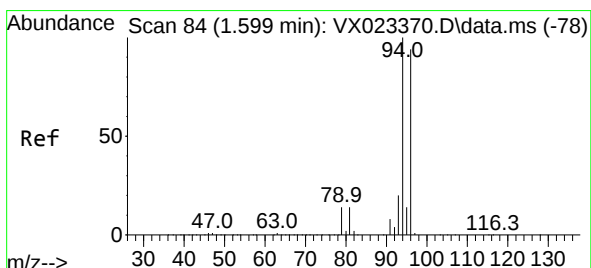
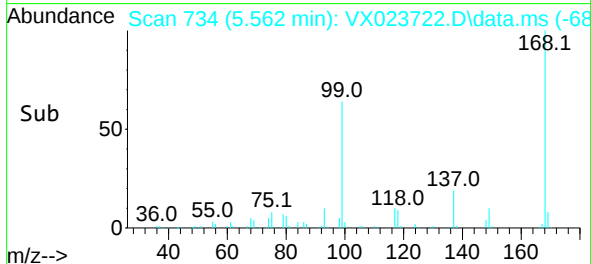
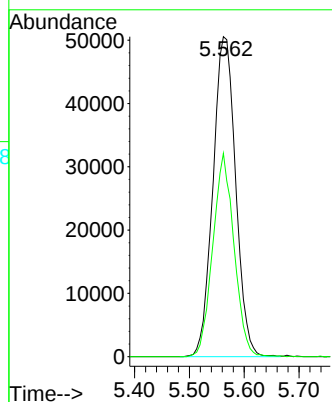
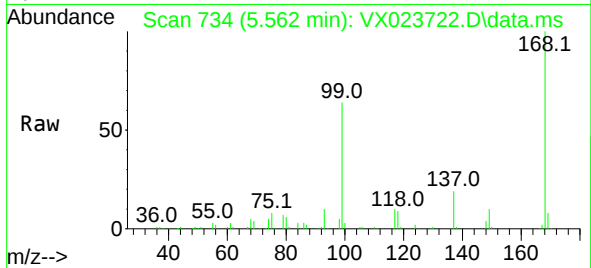




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

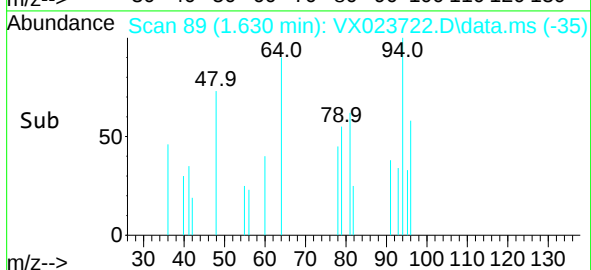
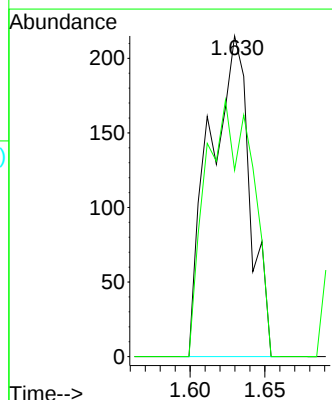
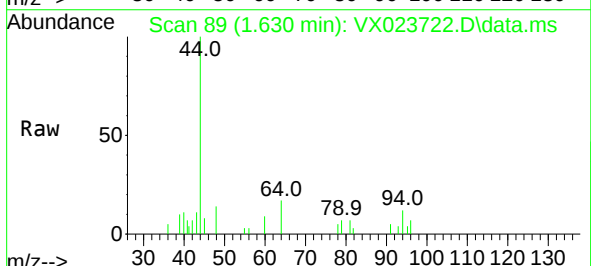
Instrument :
MSVOA_X
ClientSampleId :

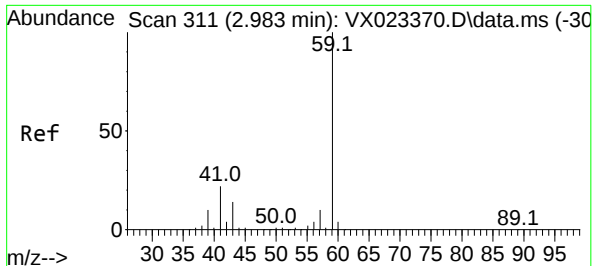
Tgt Ion:168 Resp: 145349
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 58.1 76.4 114.6#

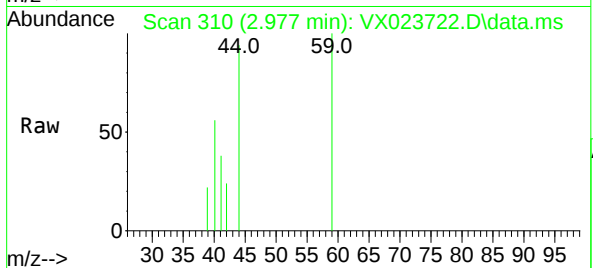




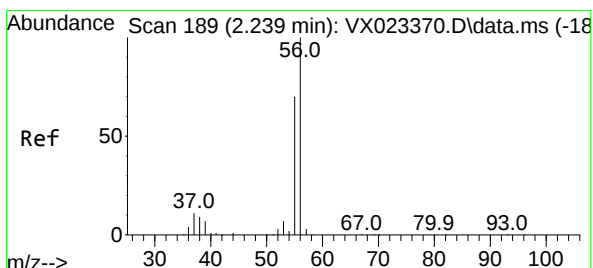
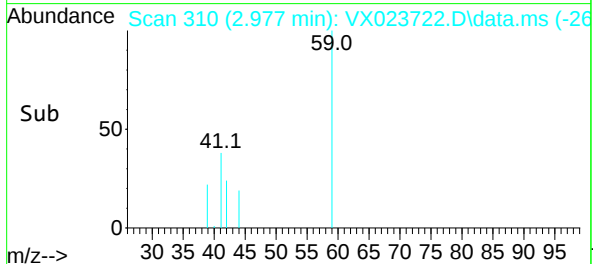
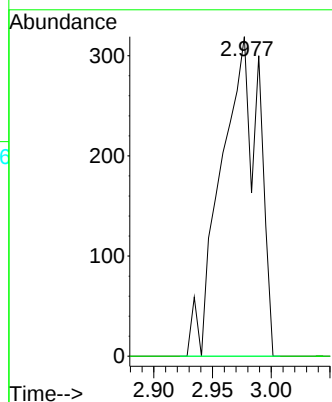
#11

Tert butyl alcohol
Concen: 1.721 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Instrument :
MSVOA_X
ClientSampled :

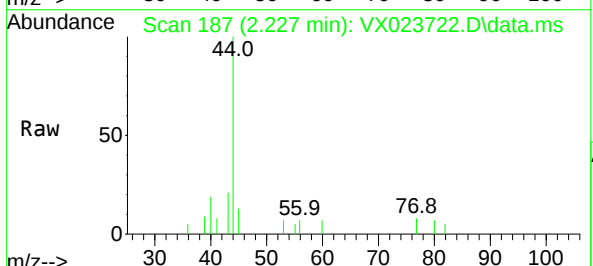


Tgt Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

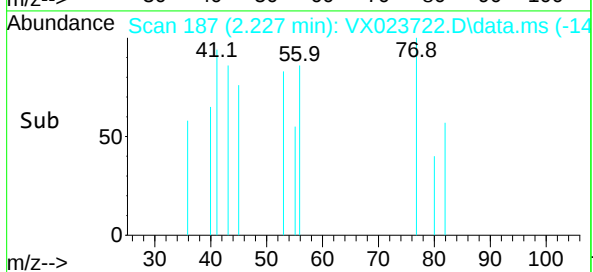
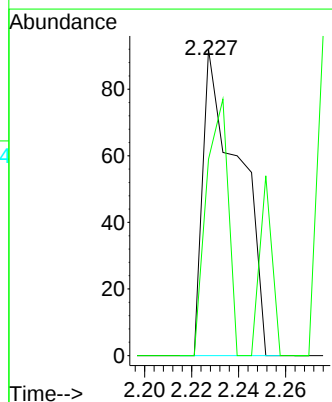


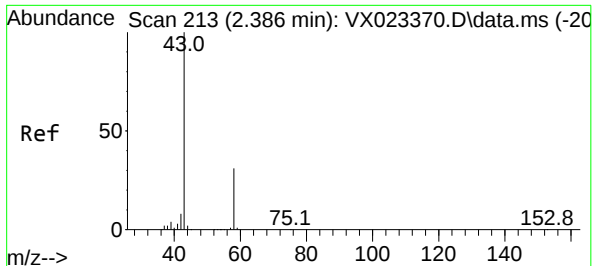
#13

Acrolein
Concen: 1.827 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48



Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 51.0 56.4 84.6#

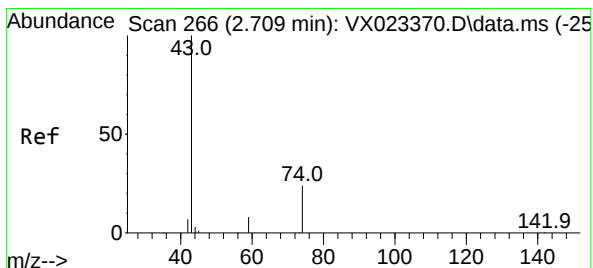
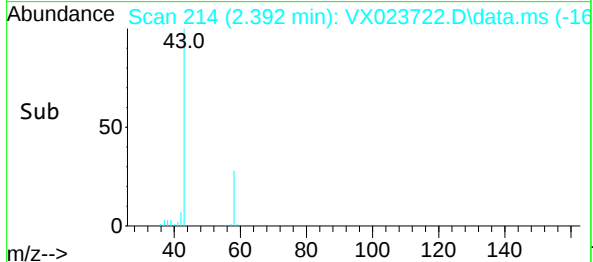
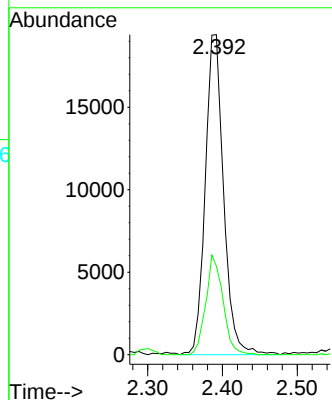
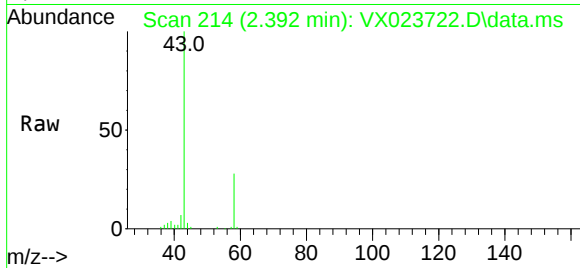




#16
Acetone
Concen: 37.208 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

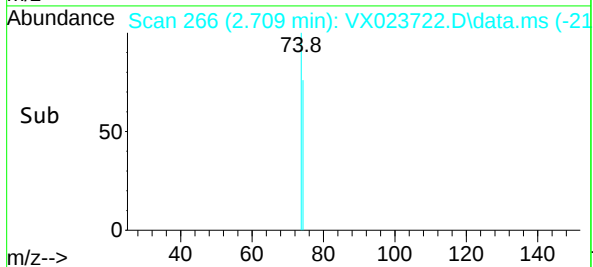
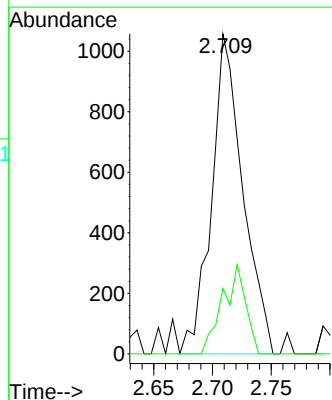
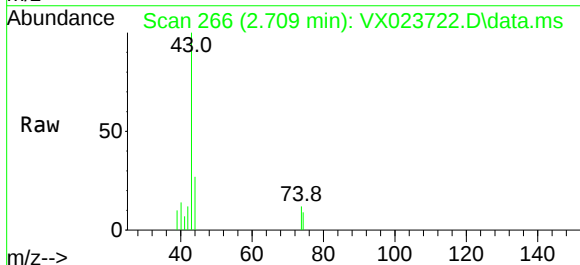
Instrument :
MSVOA_X
ClientSampled :

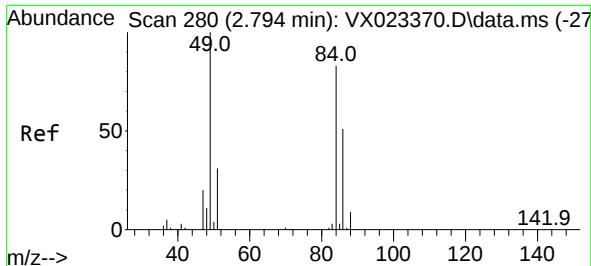
Tgt Ion: 43 Resp: 33093
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.928 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
74 20.6 21.9 32.9#





#20

Methylene Chloride

Concen: 7.463 ug/l

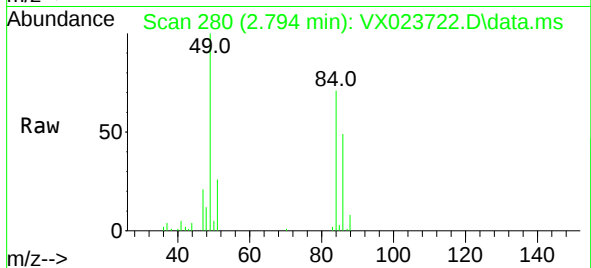
RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

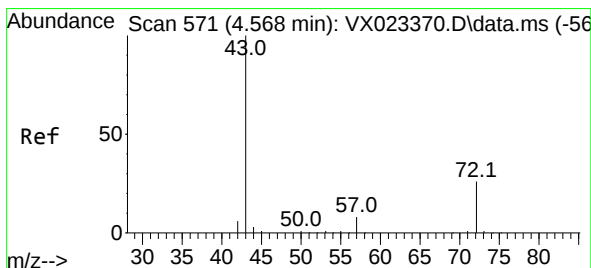
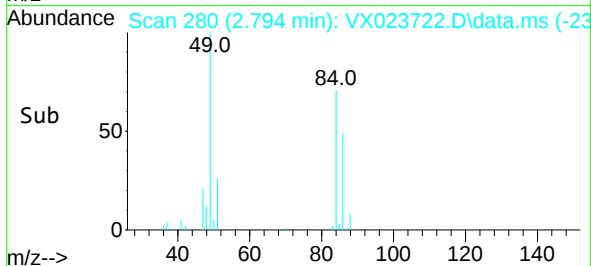
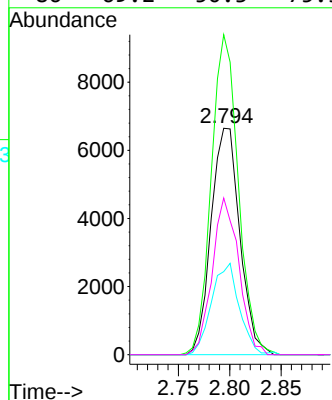
Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	84	Resp:	12911
Ion	Ratio	Lower	Upper
84	100		
49	141.3	88.6	132.8#
51	36.7	27.0	40.6
86	69.2	50.3	75.5



#25

2-Butanone

Concen: 3.228 ug/l

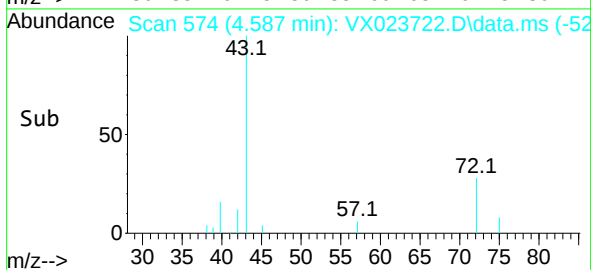
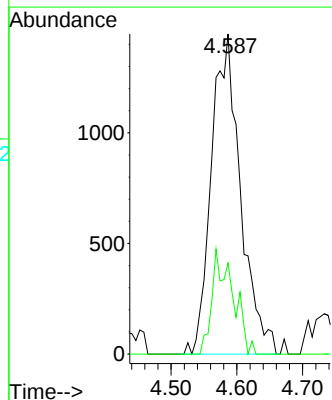
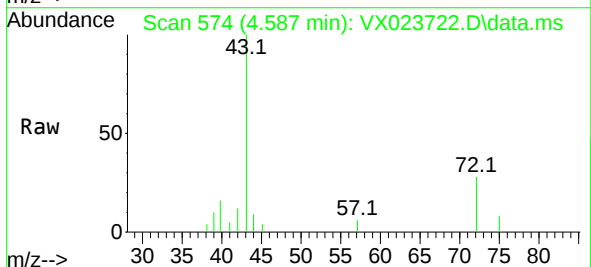
RT: 4.587 min Scan# 574

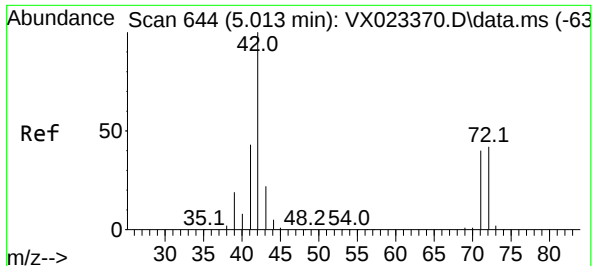
Delta R.T. 0.019 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

Tgt Ion:	43	Resp:	4457
Ion	Ratio	Lower	Upper
43	100		
72	28.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.852 ug/l

RT: 5.032 min Scan# 647

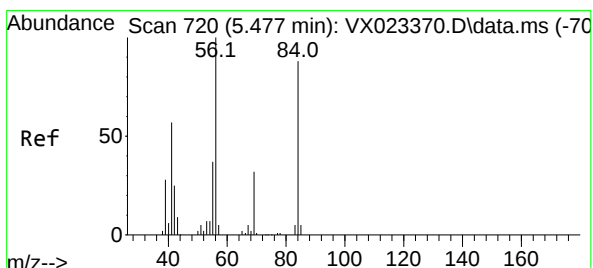
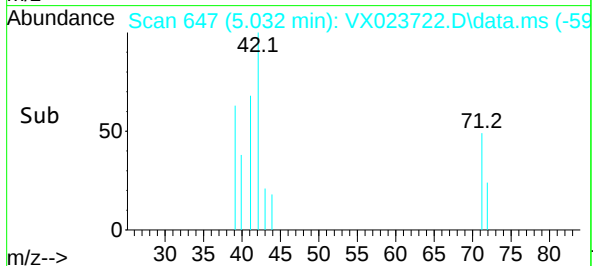
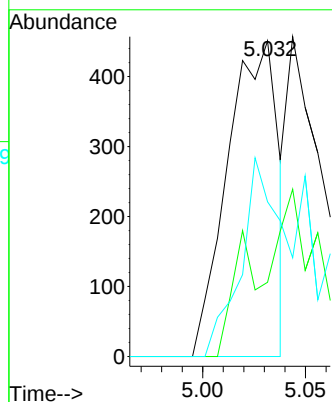
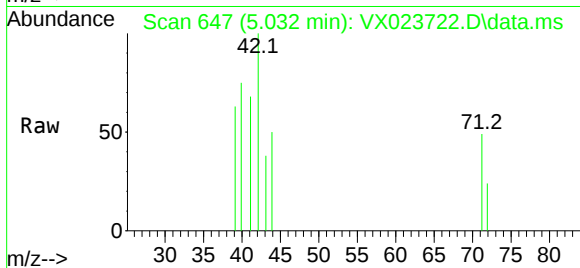
Delta R.T. 0.019 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

Tgt Ion:	42	Resp:	771
Ion	Ratio	Lower	Upper
42	100		
72	17.1	41.7	62.5#
71	51.8	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.196 ug/l

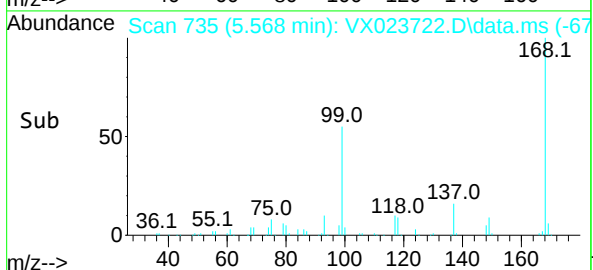
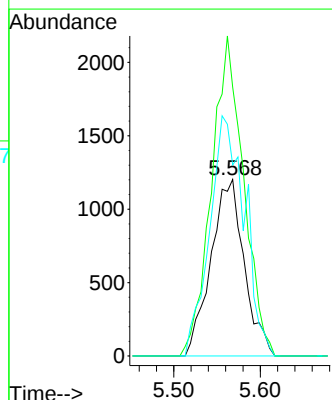
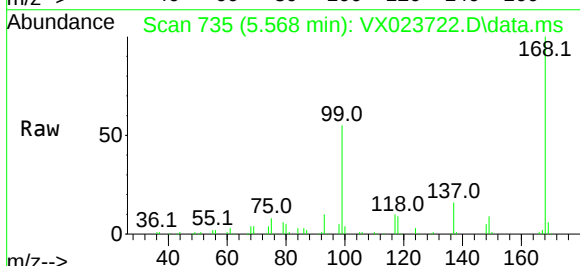
RT: 5.568 min Scan# 735

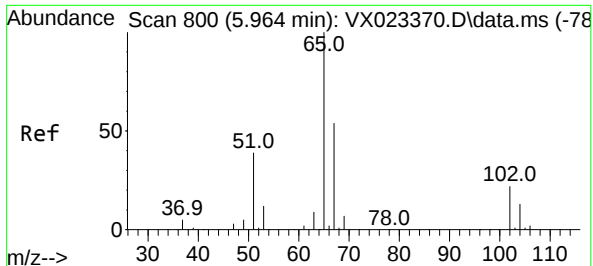
Delta R.T. 0.091 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

Tgt Ion:	56	Resp:	3212
Ion	Ratio	Lower	Upper
56	100		
69	152.3	25.3	37.9#
84	108.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 57.398 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023722.D

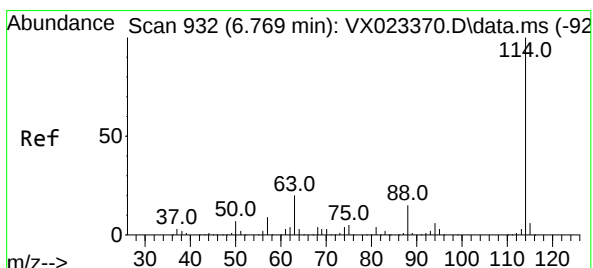
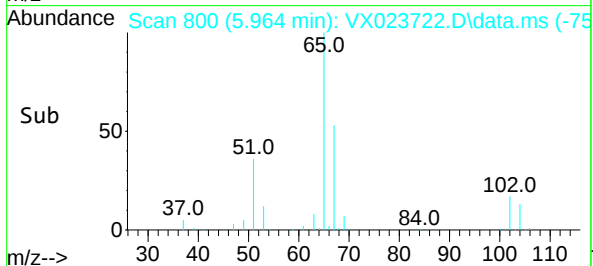
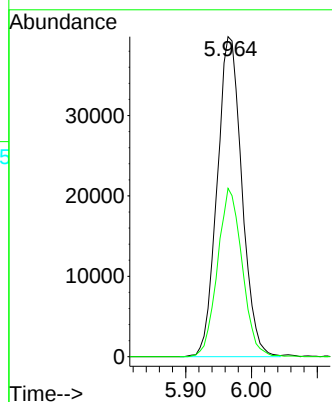
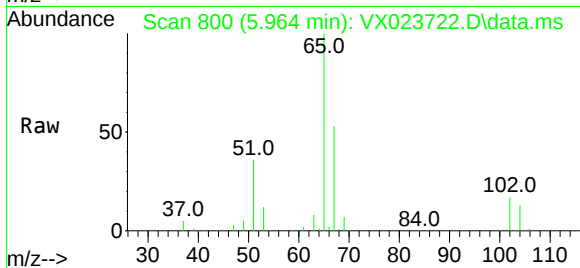
Acq: 14 Aug 2021 04:48

Tgt Ion: 65 Resp: 104068

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

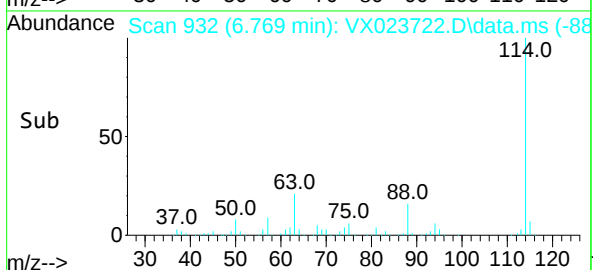
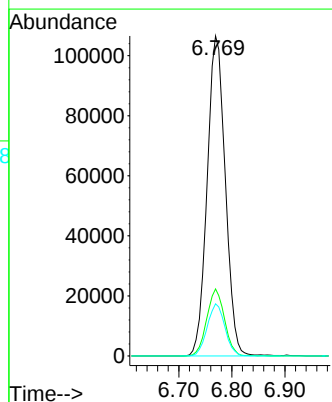
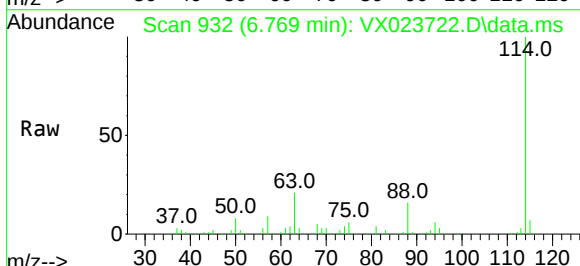
Tgt Ion: 114 Resp: 253566

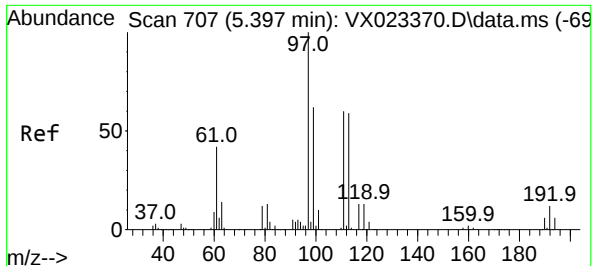
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.600 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

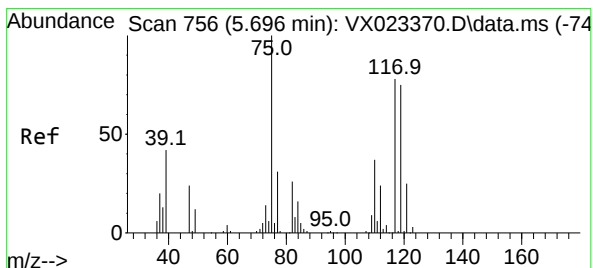
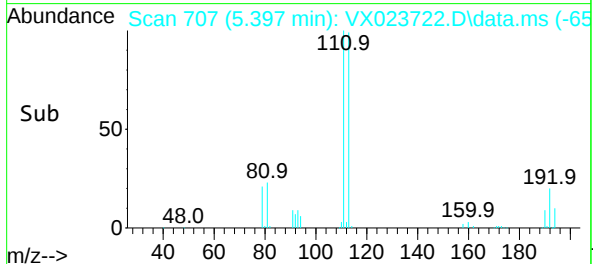
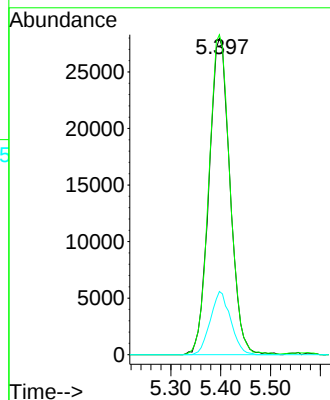
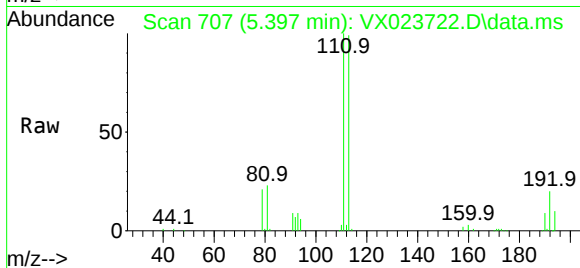
Tgt Ion:113 Resp: 81807

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.997 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023722.D

Acq: 14 Aug 2021 04:48

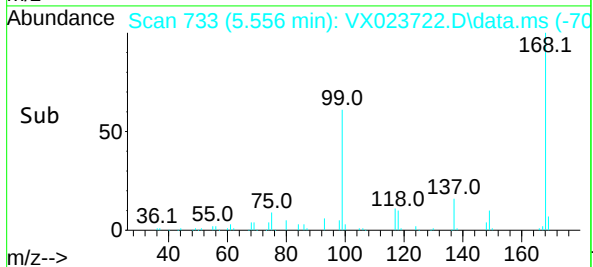
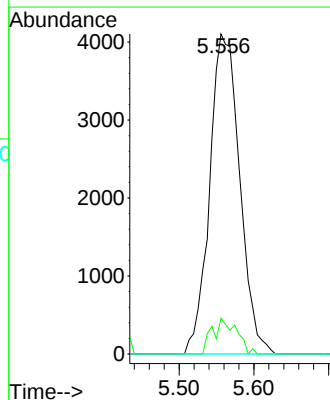
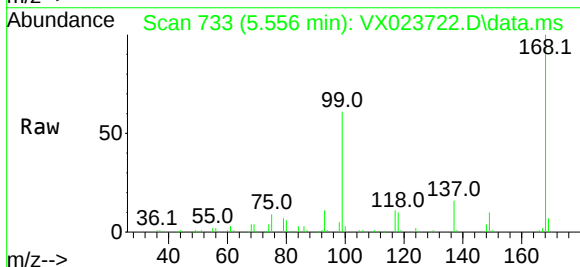
Tgt Ion: 75 Resp: 11461

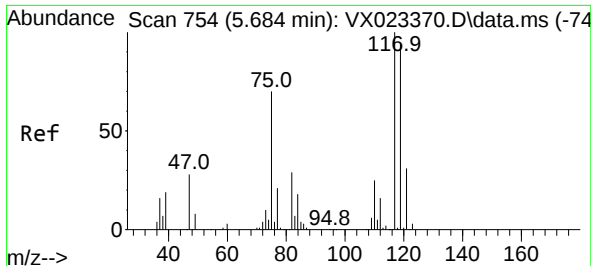
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

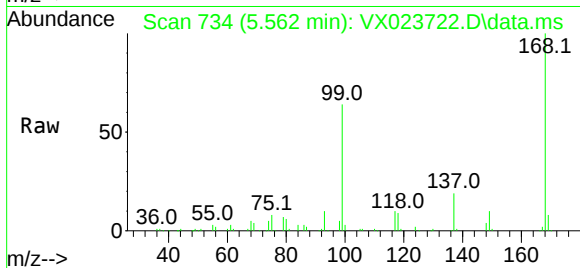
77 0.0 25.3 37.9#



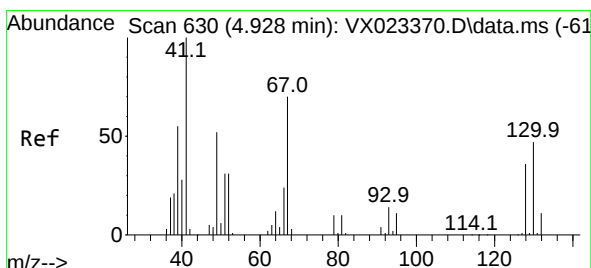
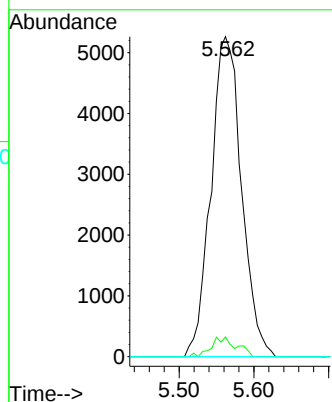
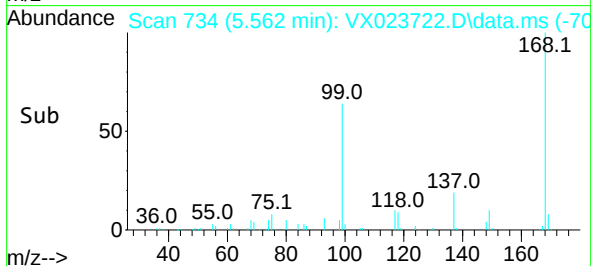


#38
Carbon Tetrachloride
Concen: 6.419 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

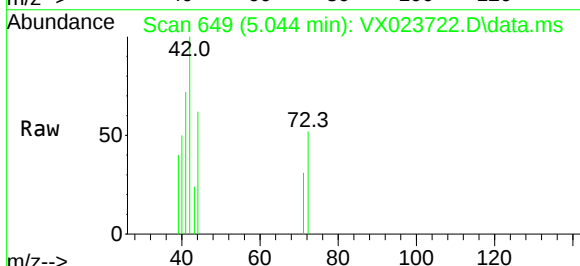
Instrument :
MSVOA_X
ClientSampleId :



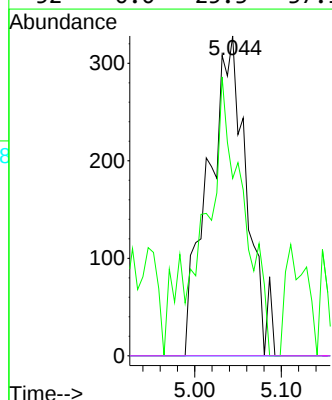
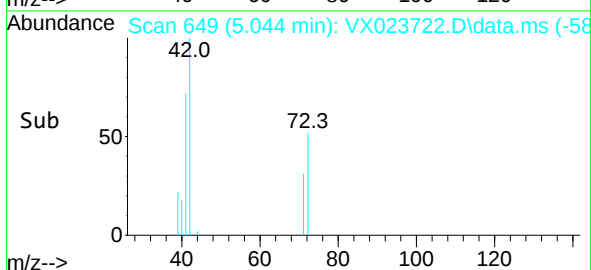
Tgt Ion:117 Resp: 14973
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

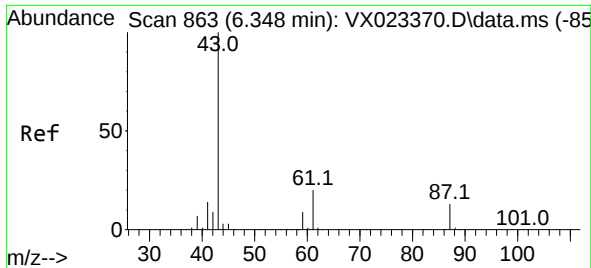


#41
Methacrylonitrile
Concen: 0.656 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48



Tgt Ion: 41 Resp: 1001
Ion Ratio Lower Upper
41 100
39 80.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

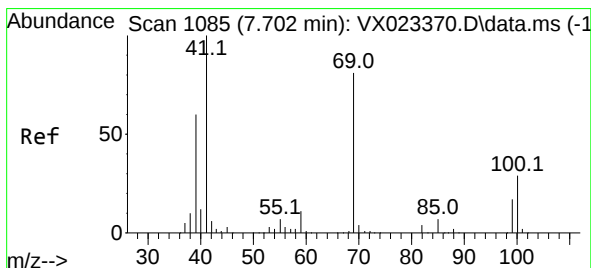
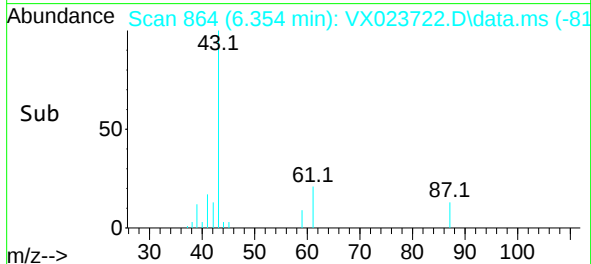
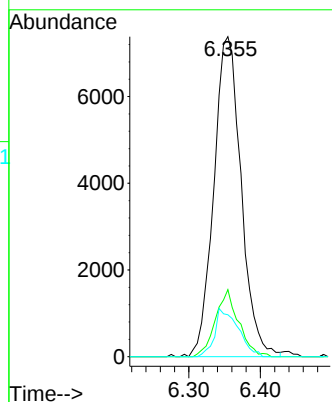
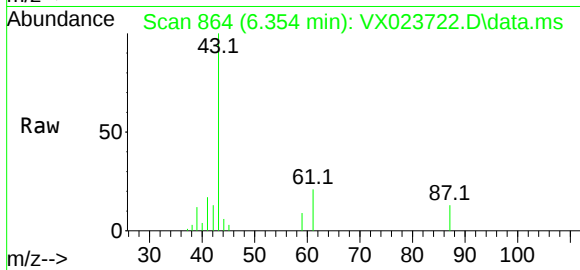




#43
Isopropyl Acetate
Concen: 4.366 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

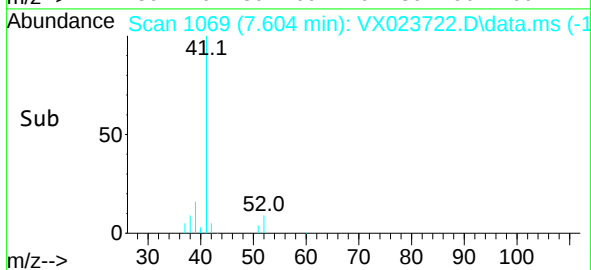
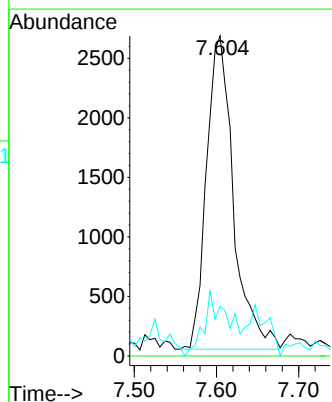
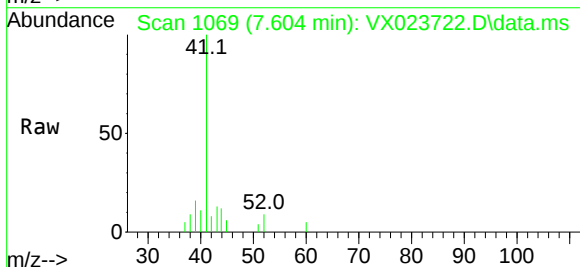
Instrument :
MSVOA_X
ClientSampleId :

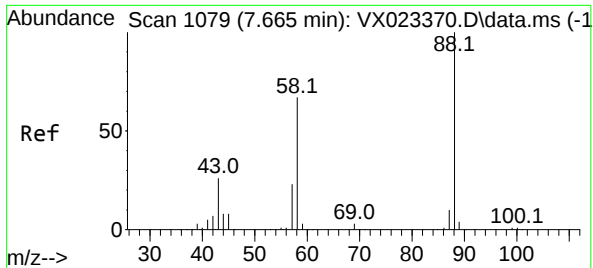
Tgt Ion:	43	Resp:	19564
Ion Ratio	Lower	Upper	
43	100		
61	17.9	18.2	27.4#
87	12.9	12.5	18.7



#48
Methyl methacrylate
Concen: 2.895 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion:	41	Resp:	6009
Ion Ratio	Lower	Upper	
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

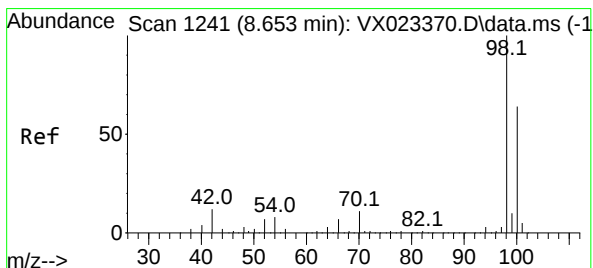
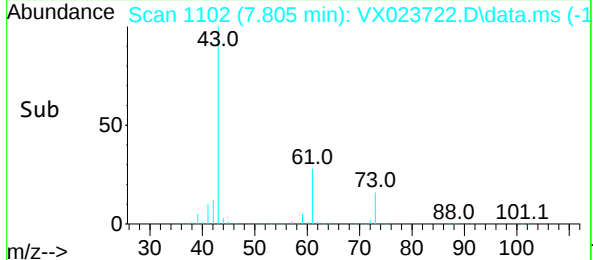
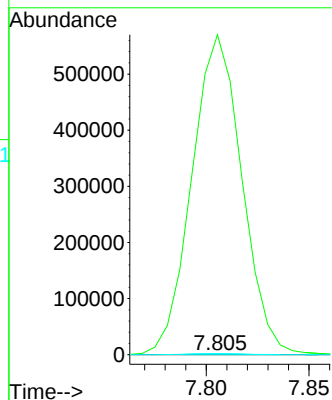
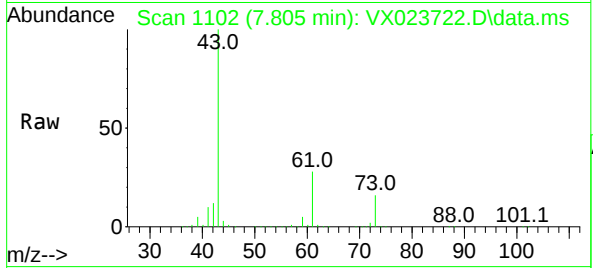




#49
1,4-Dioxane
Concen: 4.457 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

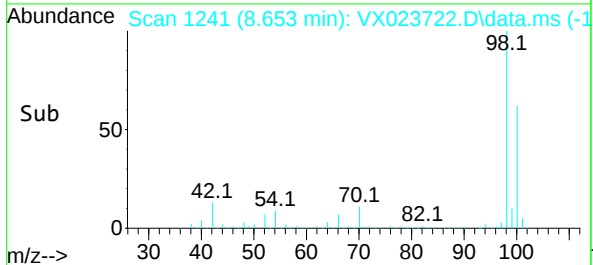
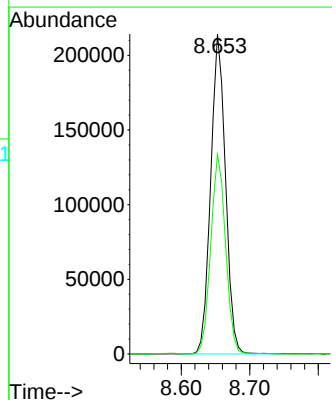
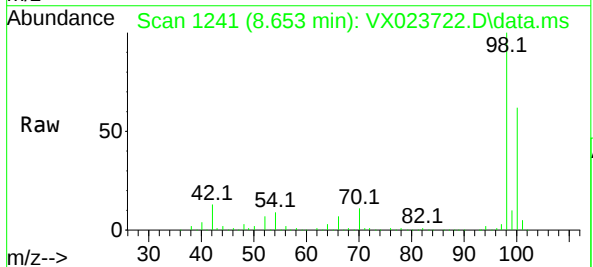
Instrument :
MSVOA_X
ClientSampleId :

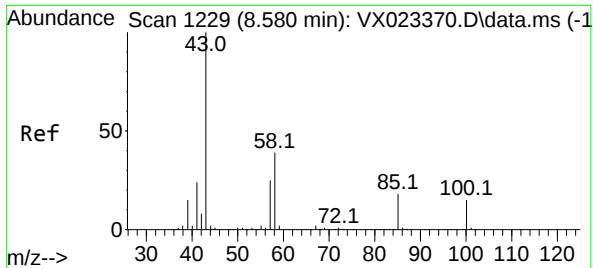
Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 492134.5 23.2 34.8#
58 2216.8 55.0 82.4#



#50
Toluene-d8
Concen: 55.228 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 98 Resp: 321696
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9

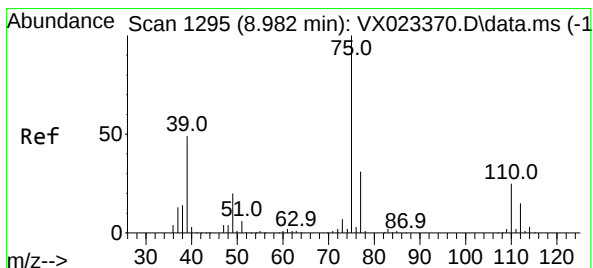
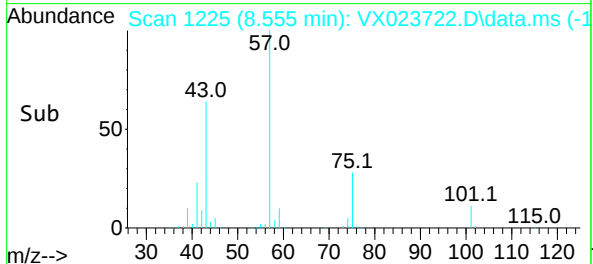
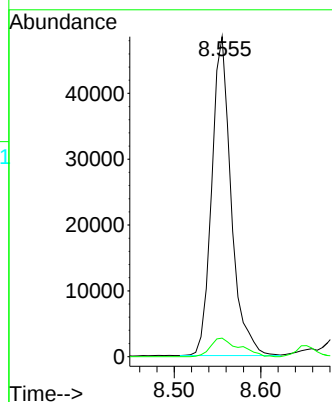
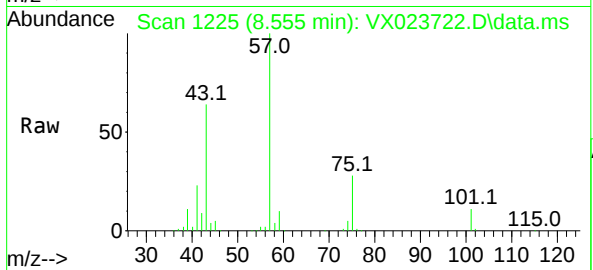




#51
4-Methyl-2-Pentanone
Concen: 27.523 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

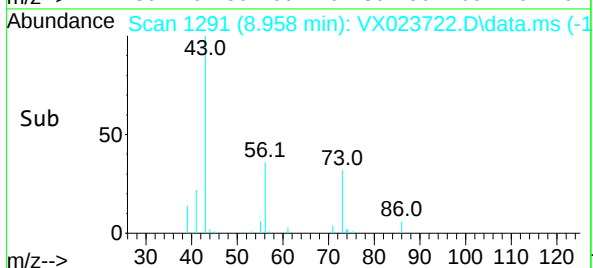
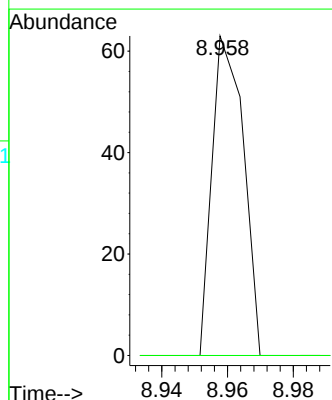
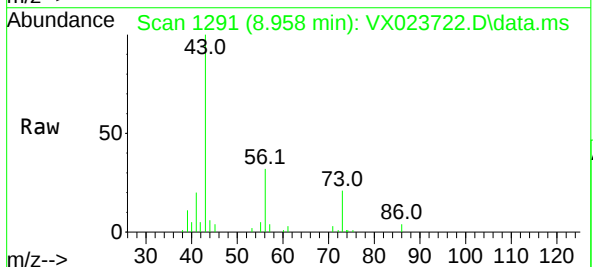
Instrument :
MSVOA_X
ClientSampled :

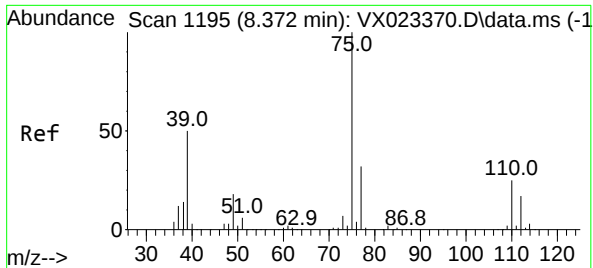
Tgt Ion: 43 Resp: 75444
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.831 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 75 Resp: 42
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

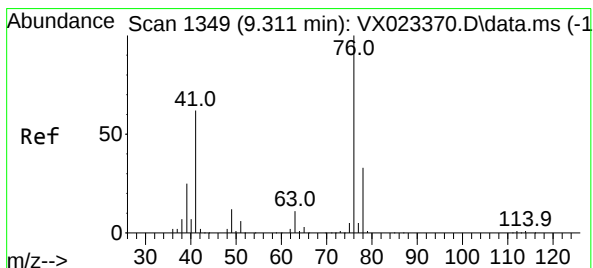
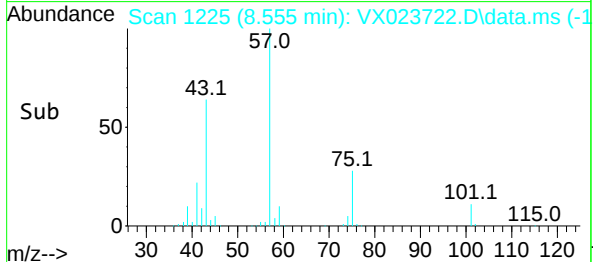
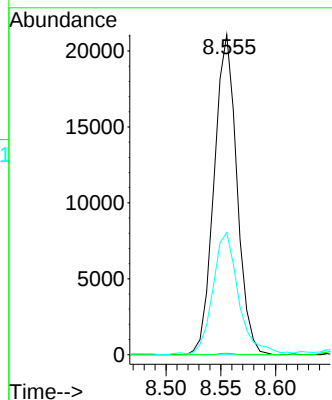
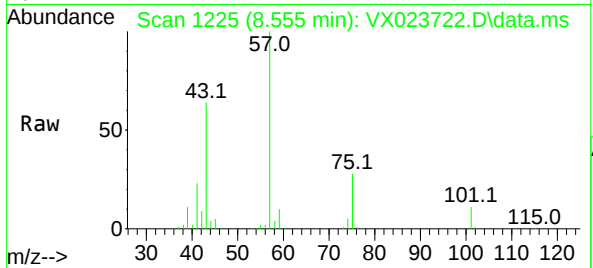




#54
cis-1,3-Dichloropropene
Concen: 11.117 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

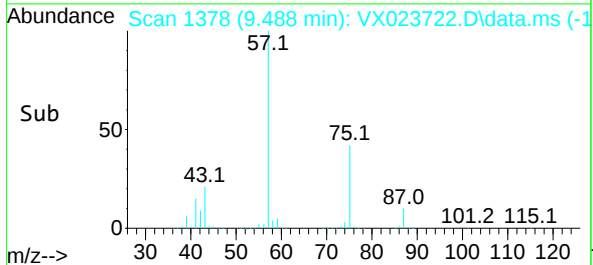
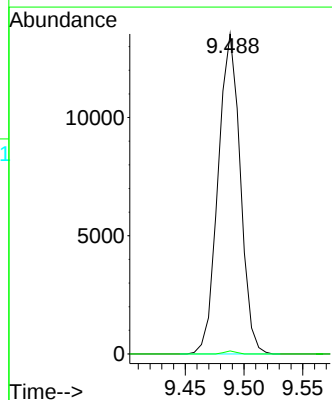
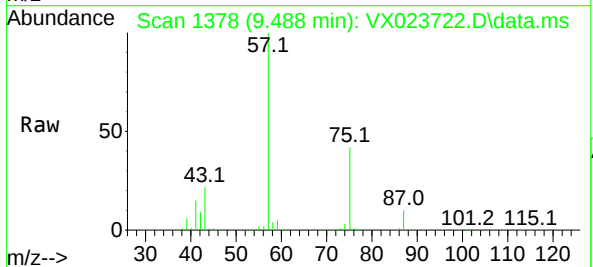
Instrument :
MSVOA_X
ClientSampleId :

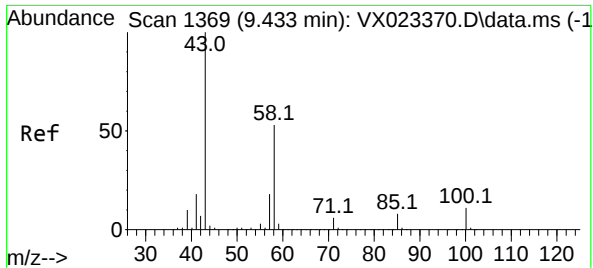
Tgt Ion: 75 Resp: 30478
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 37.6 35.1 52.7



#57
1,3-Dichloropropane
Concen: 6.136 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 76 Resp: 17790
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

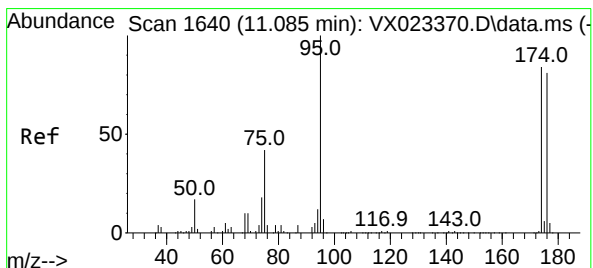
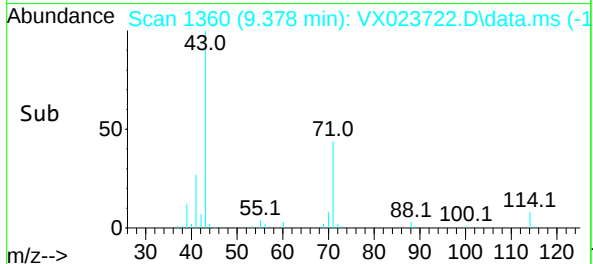
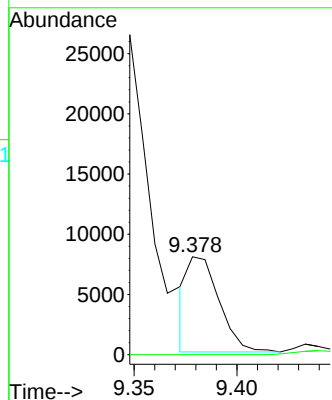
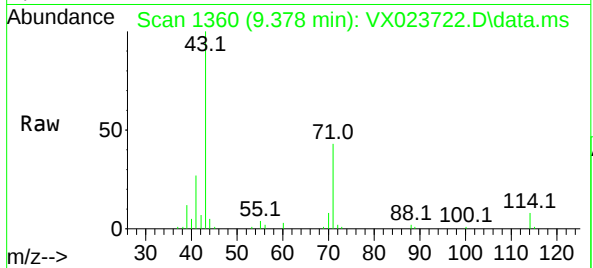




#59
2-Hexanone
Concen: 4.051 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

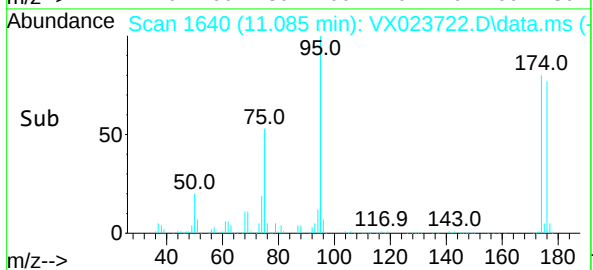
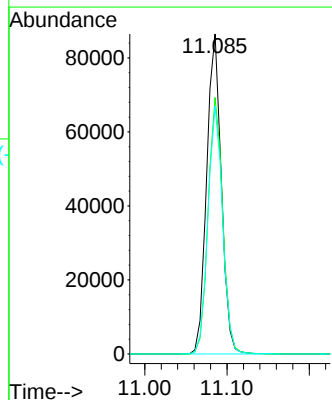
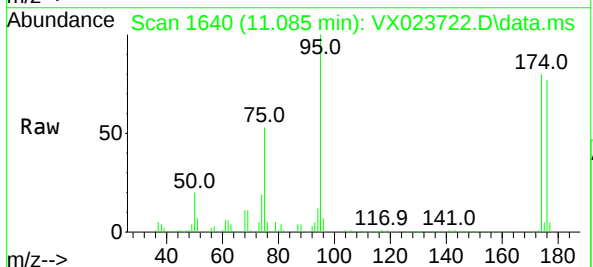
Instrument :
MSVOA_X
ClientSampleId :

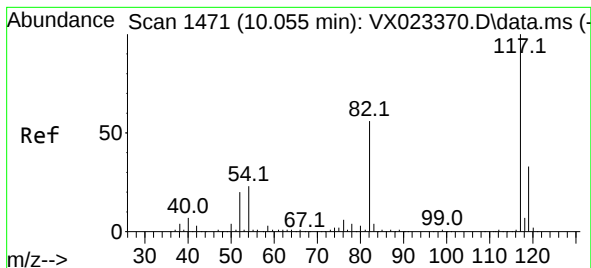
Tgt Ion: 43 Resp: 8433
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 54.024 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion: 95 Resp: 107004
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 77.7 0.0 155.8

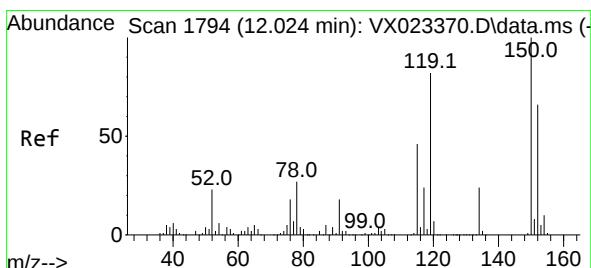
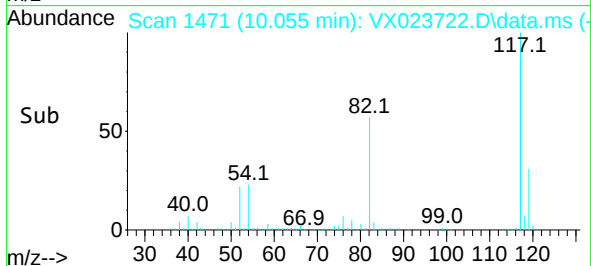
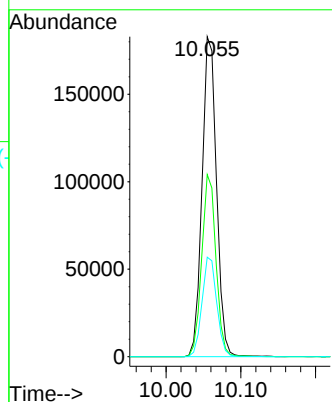
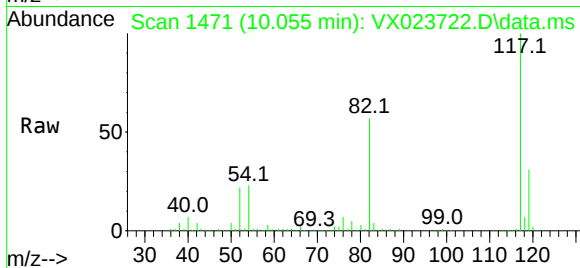




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

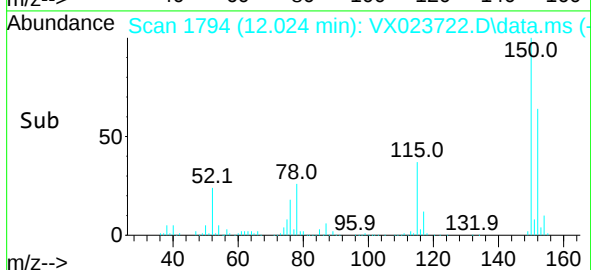
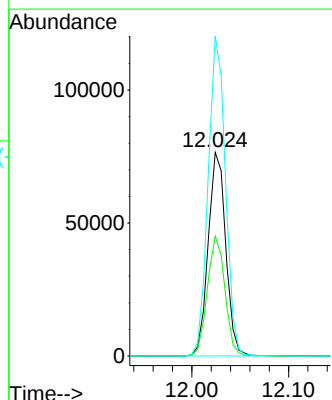
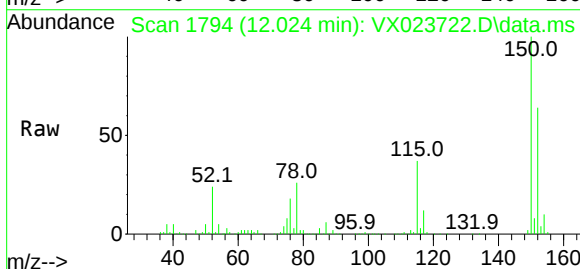
Instrument :
MSVOA_X
ClientSampleId :

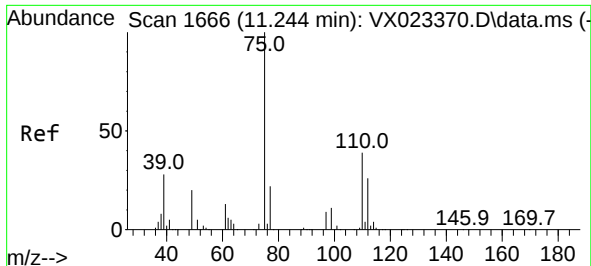
Tgt Ion:117 Resp: 245899
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Tgt Ion:152 Resp: 96886
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 154.2 0.0 349.0

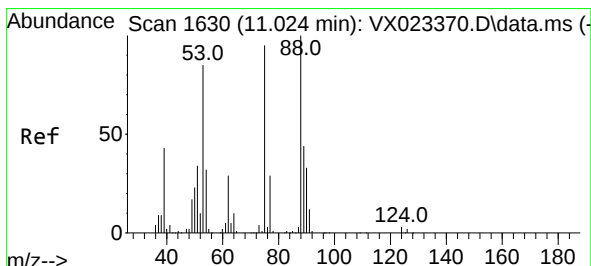
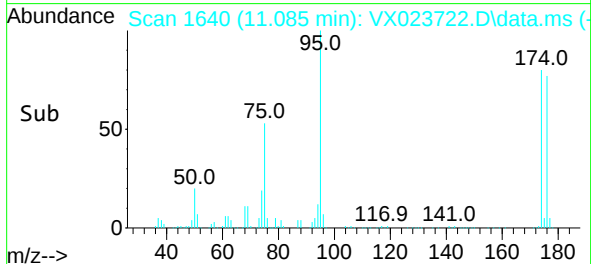
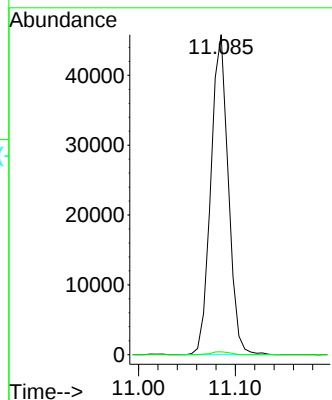
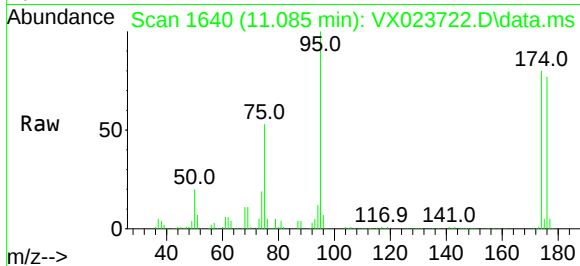




#76
1,2,3-Trichloropropane
Concen: 26.997 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

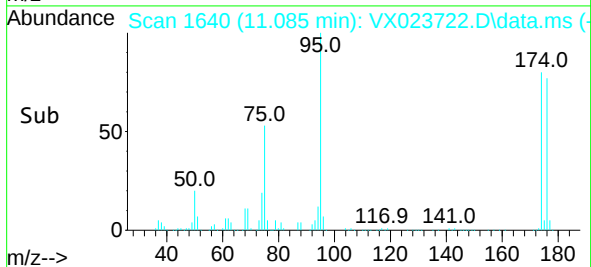
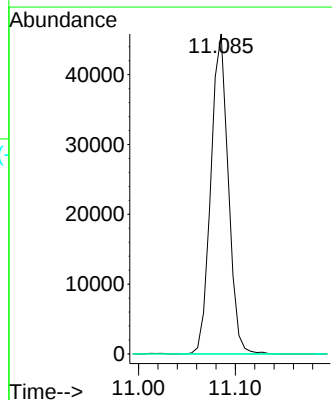
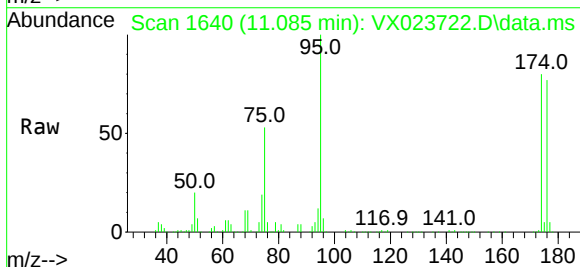
Instrument :
MSVOA_X
ClientSampled :

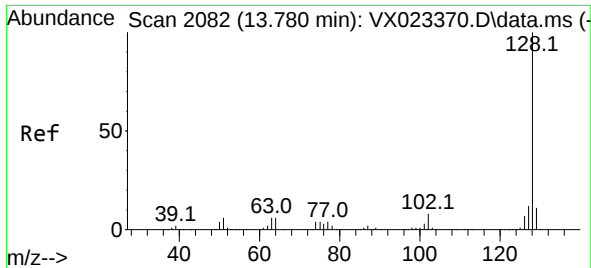
Tgt Ion: 75 Resp: 57558
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.591 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

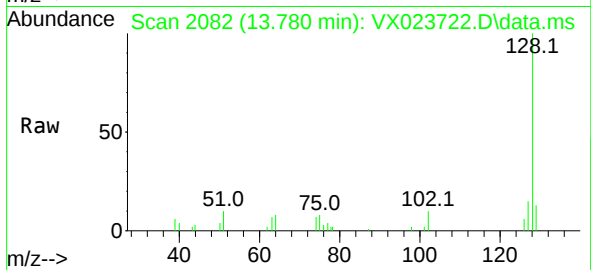
Tgt Ion: 75 Resp: 57558
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.793 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023722.D
Acq: 14 Aug 2021 04:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	5414
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.6	8.8	13.2

