

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023715.D
 Acq On : 14 Aug 2021 02:02
 Operator : JC/MD
 Sample : M3394-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:34:58 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)

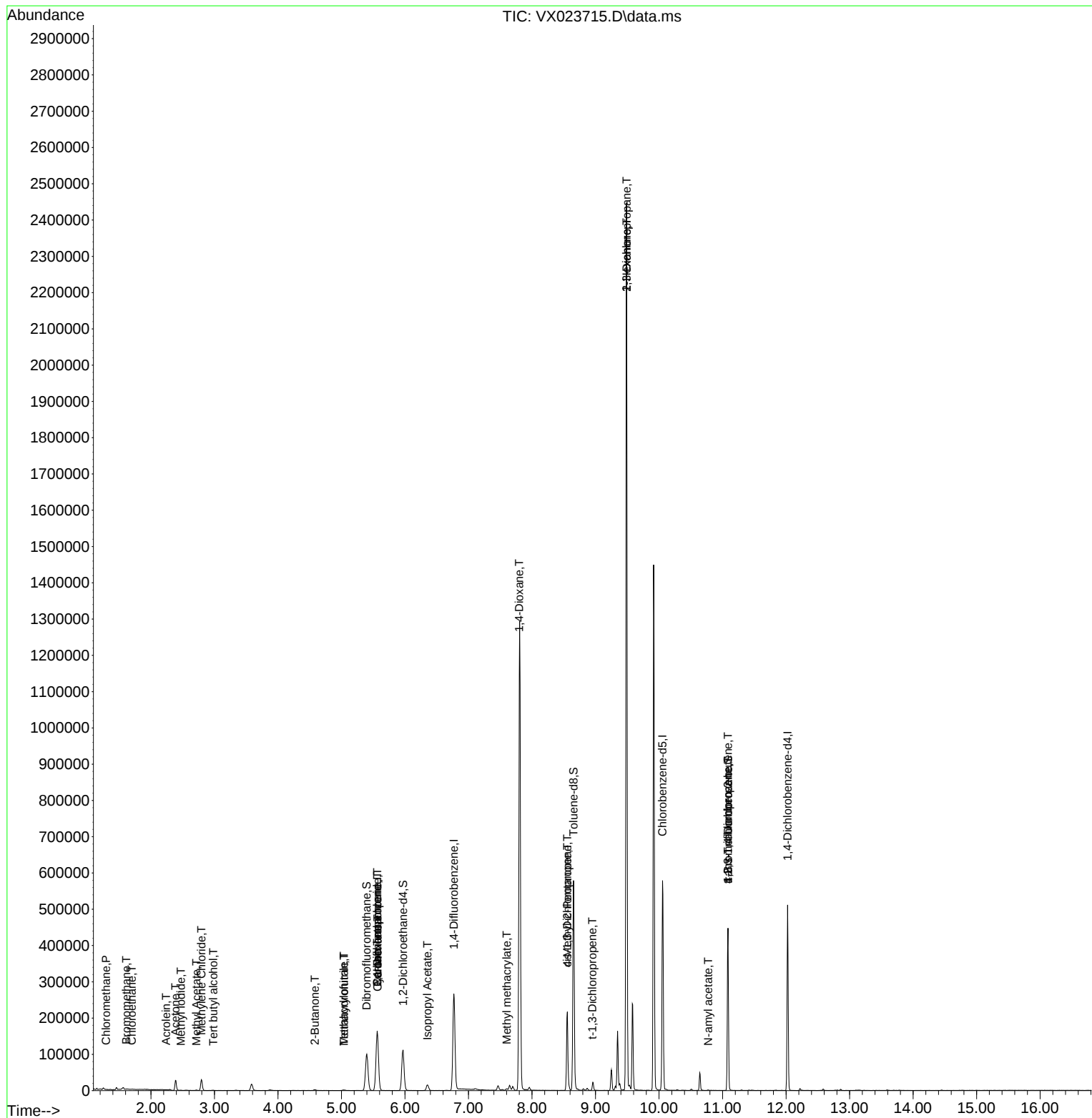
Internal Standards						
1) Pentafluorobenzene	5.562	168	151188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262669	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	108206	57.375	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.760%	
35) Dibromofluoromethane	5.397	113	84681	51.562	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.120%	
50) Toluene-d8	8.653	98	330490	54.772	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.540%	
62) 4-Bromofluorobenzene	11.085	95	110769	53.987	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	373	0.230	ug/l #	86
5) Bromomethane	1.611	94	271	0.278	ug/l	86
6) Chloroethane	1.697	64	404	0.401	ug/l #	43
10) Methyl Iodide	2.471	142	437	0.233	ug/l #	67
11) Tert butyl alcohol	2.983	59	729	1.692	ug/l #	81
13) Acrolein	2.239	56	133	1.968	ug/l #	9
16) Acetone	2.386	43	30177	32.619	ug/l	90
18) Methyl Acetate	2.715	43	1813	0.824	ug/l #	81
20) Methylene Chloride	2.794	84	13331	7.408	ug/l #	85
25) 2-Butanone	4.580	43	4556	3.172	ug/l #	87
29) Tetrahydrofuran	5.038	42	1516	1.610	ug/l #	75
31) Cyclohexane	5.568	56	3616	1.294	ug/l #	37
36) 1,1-Dichloropropene	5.562	75	12084	5.086	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15495	6.412	ug/l #	16
41) Methacrylonitrile	5.038	41	1046	0.661	ug/l #	26
43) Isopropyl Acetate	6.355	43	20875	4.497	ug/l #	94
48) Methyl methacrylate	7.604	41	6091	2.833	ug/l #	10
49) 1,4-Dioxane	7.799	88	220	4.805	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77314	27.228	ug/l #	45
53) t-1,3-Dichloropropene	8.952	75	46	1.832	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	31658	11.147	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	20117	6.698	ug/l #	43
59) 2-Hexanone	9.488	43	285237	132.285	ug/l #	43
74) N-amyl acetate	10.775	43	880	0.259	ug/l #	48
76) 1,2,3-Trichloropropane	11.085	75	59627	27.419	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59627	73.727	ug/l #	12

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

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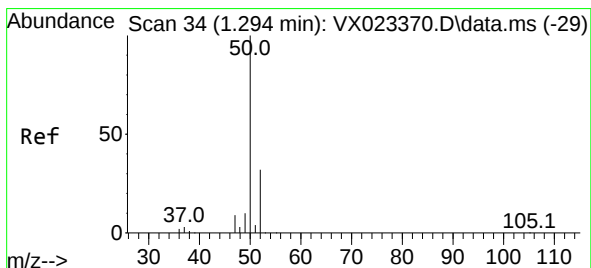
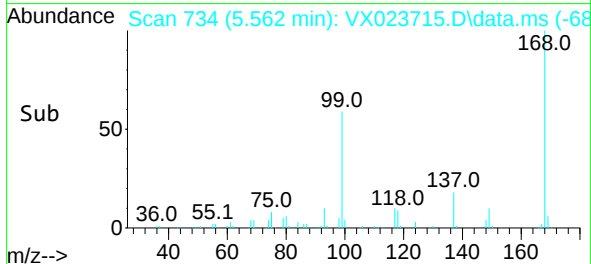
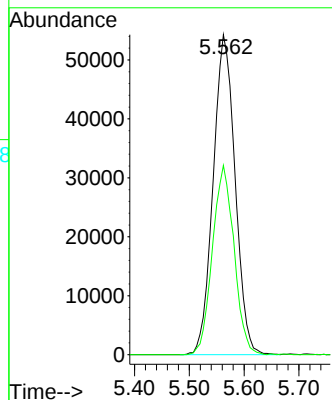
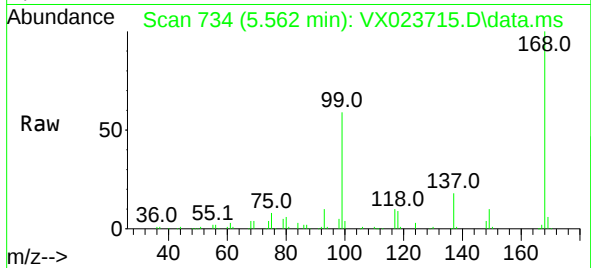




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

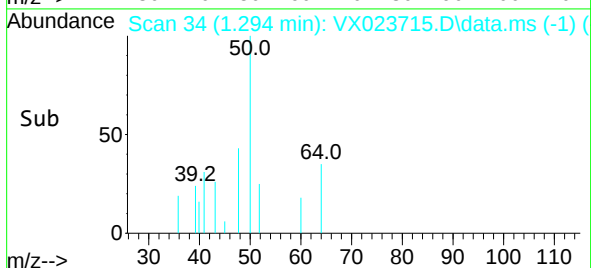
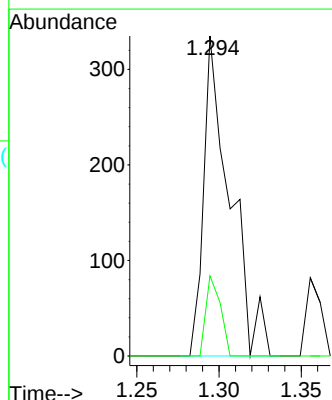
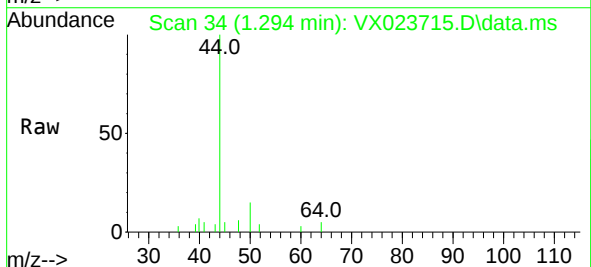
Instrument :
MSVOA_X
ClientSampleId :

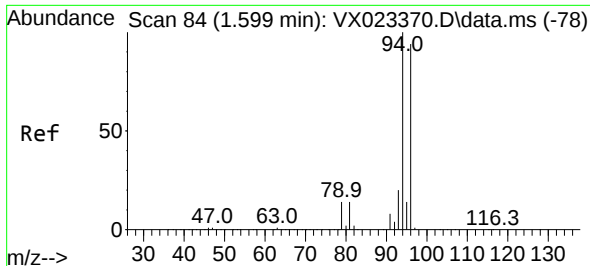
Tgt Ion:168 Resp: 151188
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.6



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 25.1 26.4 39.6#

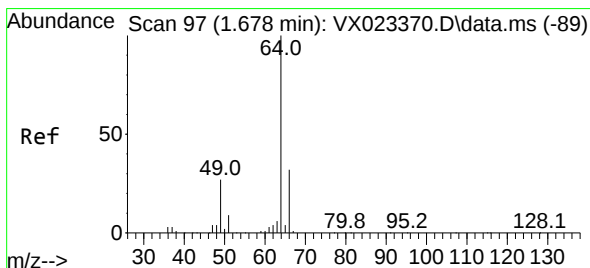
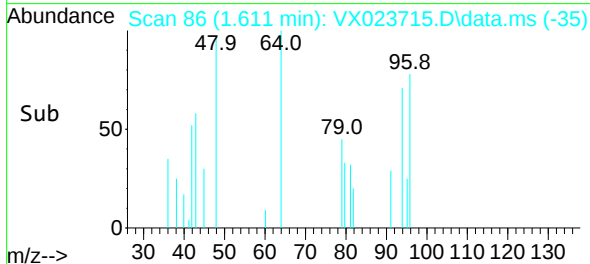
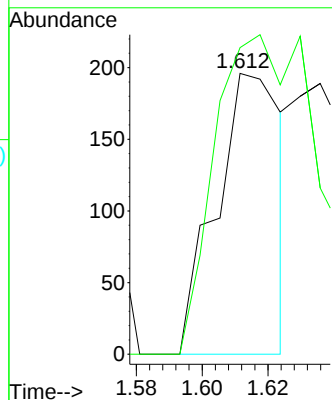
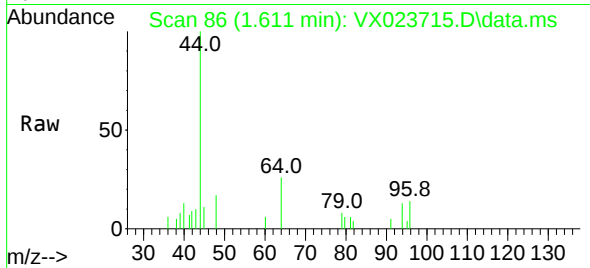




#5
Bromomethane
Concen: 0.278 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

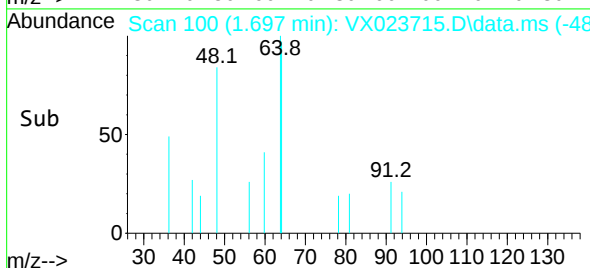
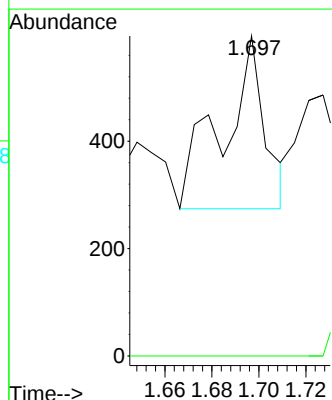
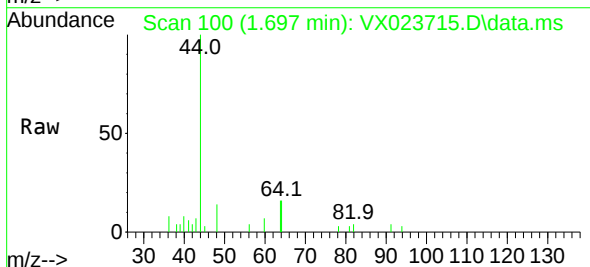
Instrument :
MSVOA_X
ClientSampleId :

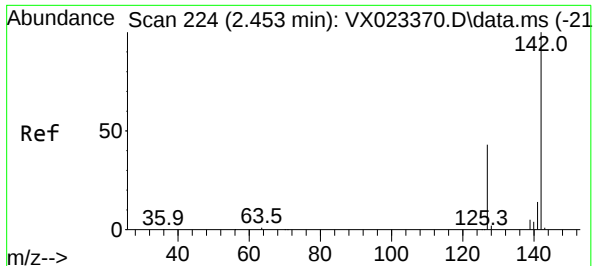
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 109.2 76.4 114.6



#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

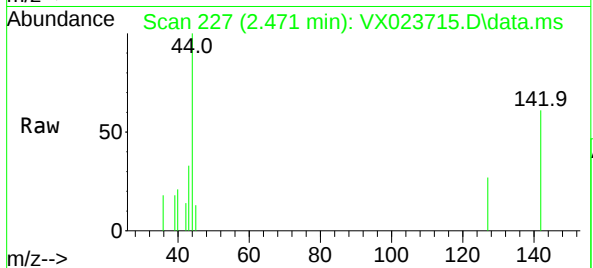
Tgt Ion: 64 Resp: 404
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



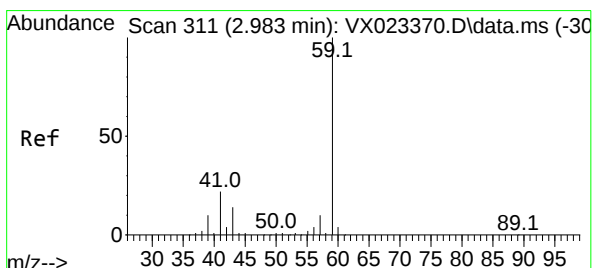
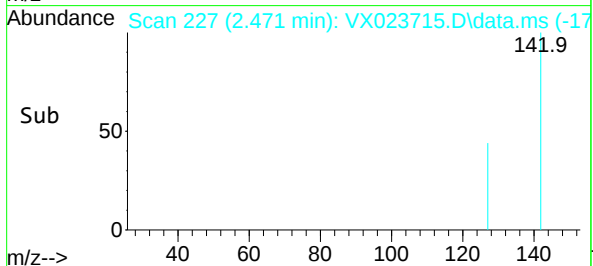
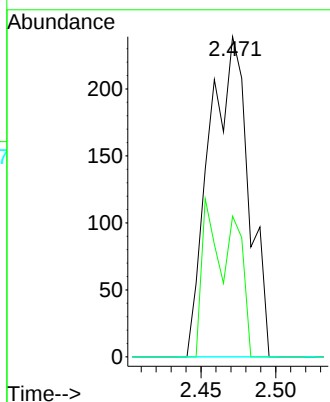


#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Instrument :
MSVOA_X
ClientSampleId :

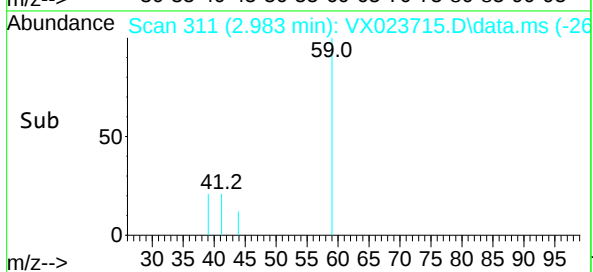
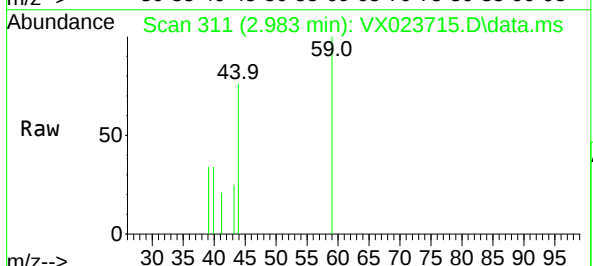
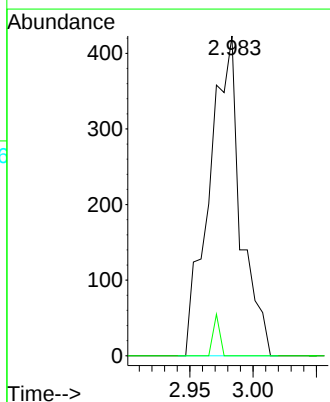


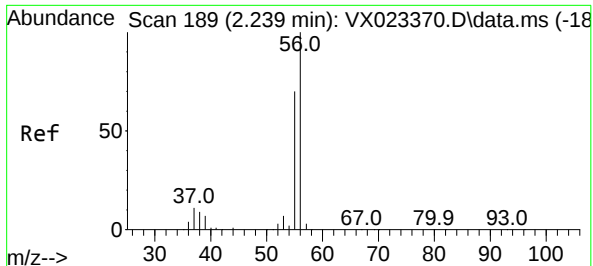
Tgt Ion:142 Resp: 437
Ion Ratio Lower Upper
142 100
127 21.5 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.692 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 2.7 7.8 11.8#

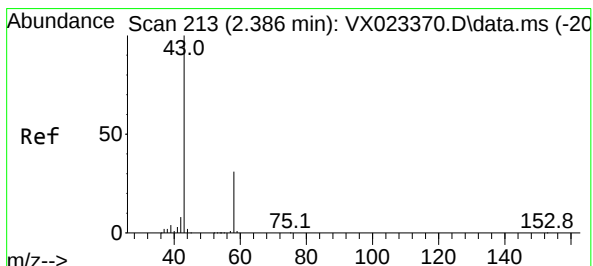
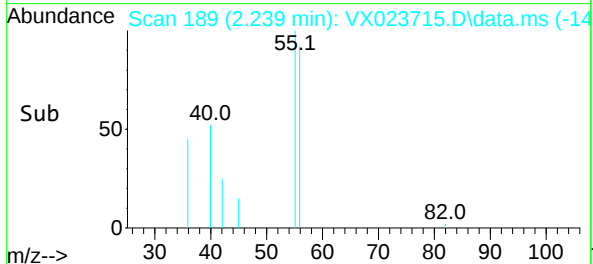
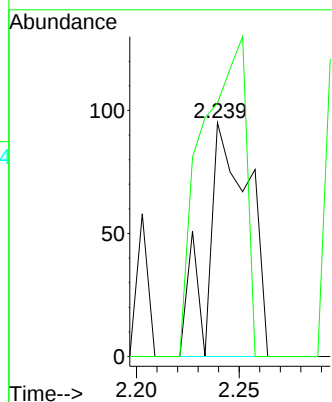
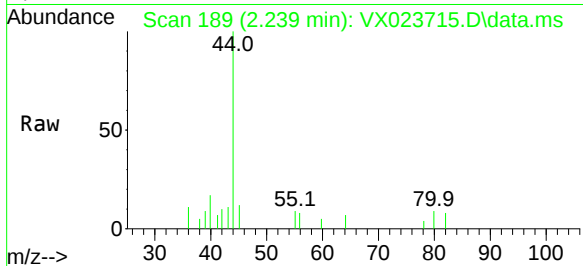




#13
Acrolein
Concen: 1.968 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

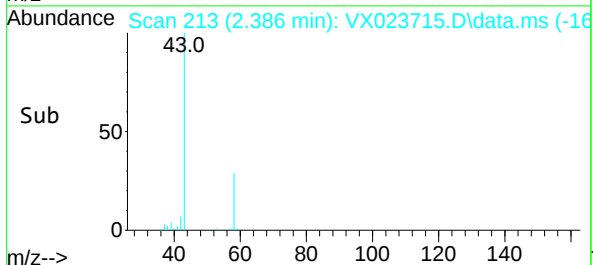
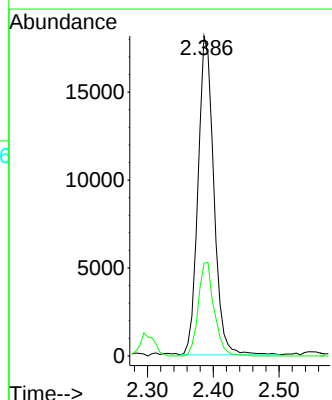
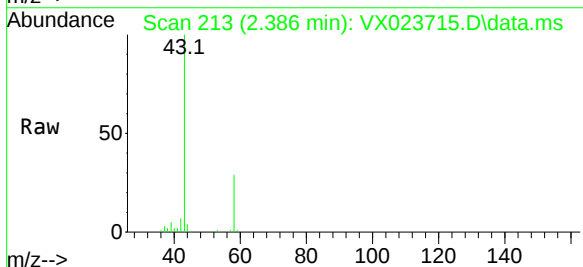
Instrument :
MSVOA_X
ClientSampleId :

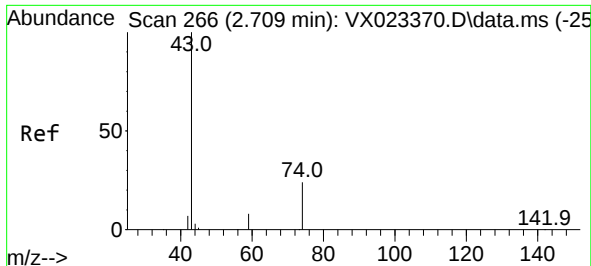
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 145.1 56.4 84.6#



#16
Acetone
Concen: 32.619 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 43 Resp: 30177
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

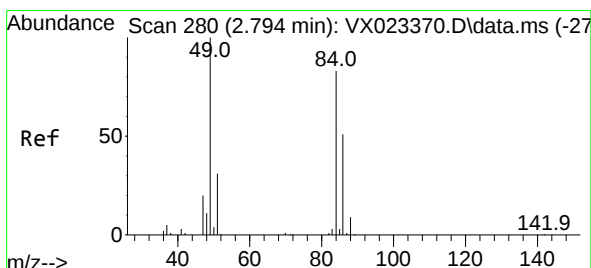
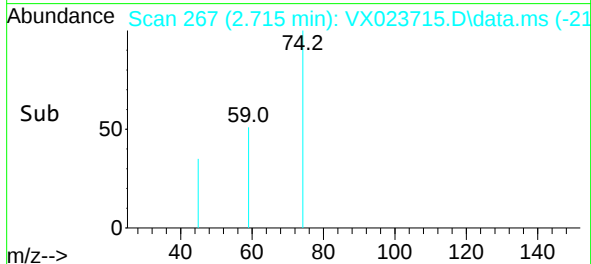
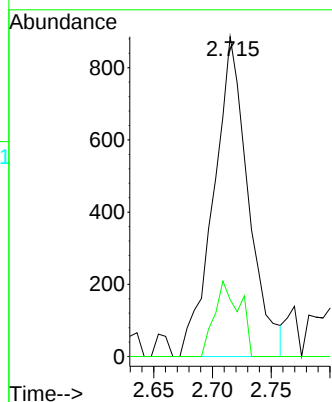
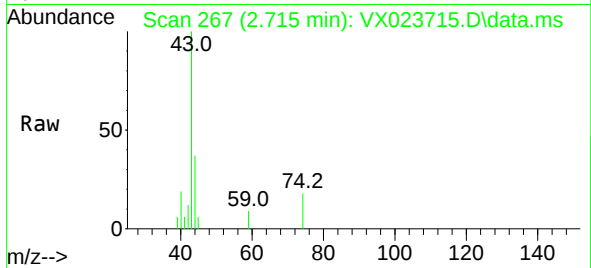




#18
Methyl Acetate
Concen: 0.824 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

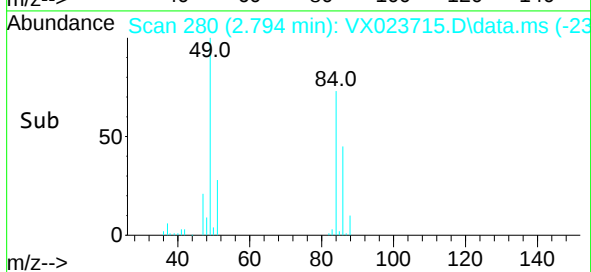
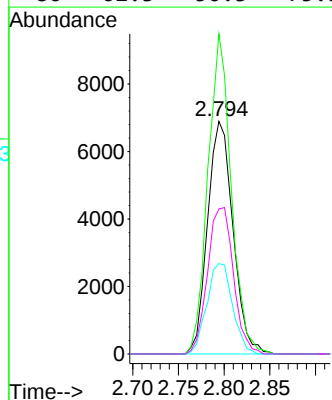
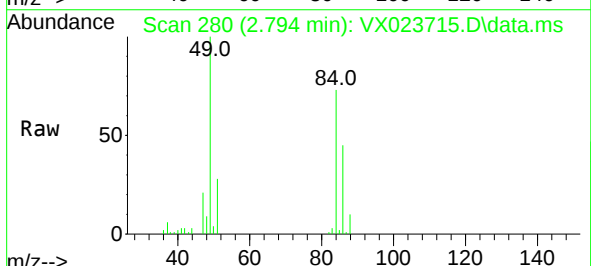
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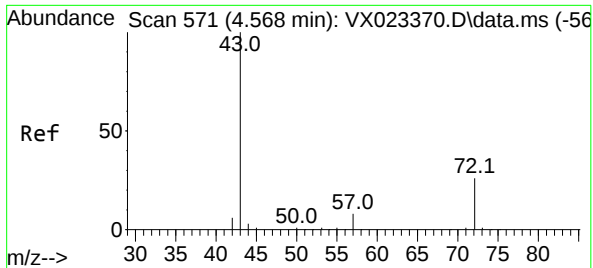
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
74 17.3 21.9 32.9#



#20
Methylene Chloride
Concen: 7.408 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 84 Resp: 13331
Ion Ratio Lower Upper
84 100
49 137.5 88.6 132.8#
51 38.9 27.0 40.6
86 62.3 50.3 75.5

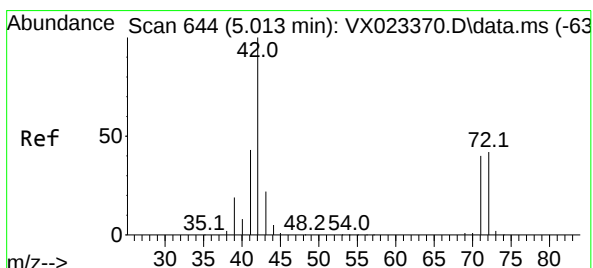
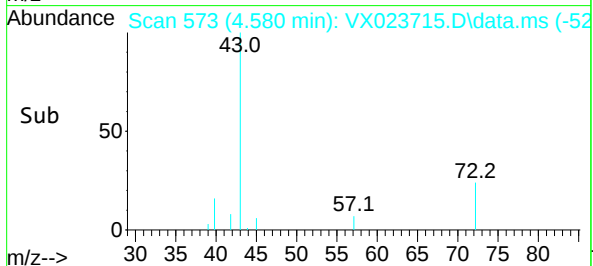
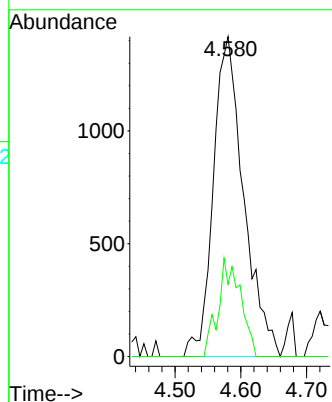
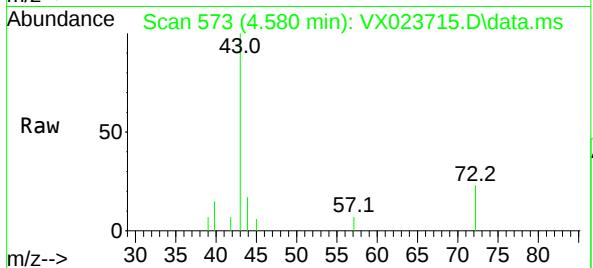




#25
2-Butanone
Concen: 3.172 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

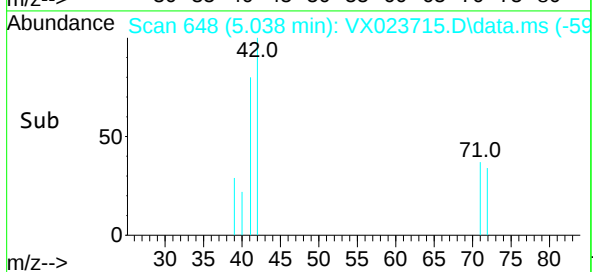
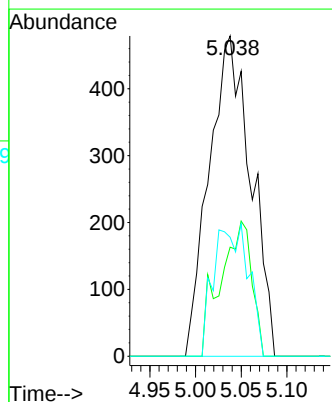
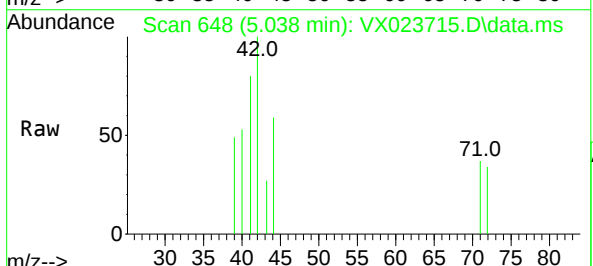
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MSVOA_X
ClientSampleId :

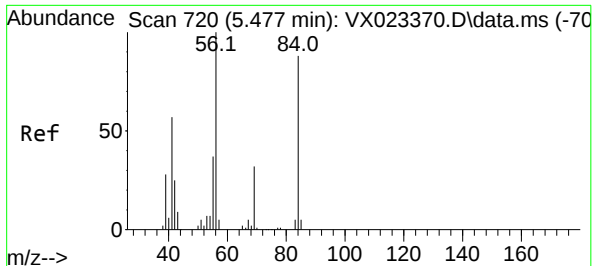
Tgt Ion: 43 Resp: 4556
Ion Ratio Lower Upper
43 100
72 22.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.610 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

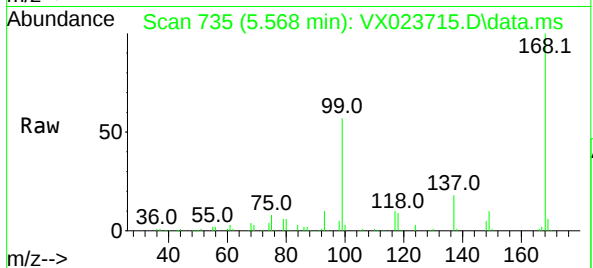
Tgt Ion: 42 Resp: 1516
Ion Ratio Lower Upper
42 100
72 31.7 41.7 62.5#
71 34.4 38.4 57.6#



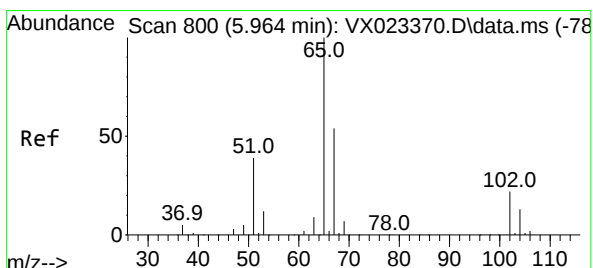
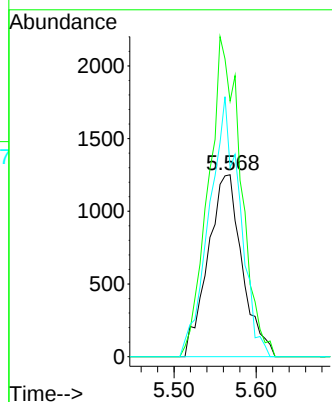
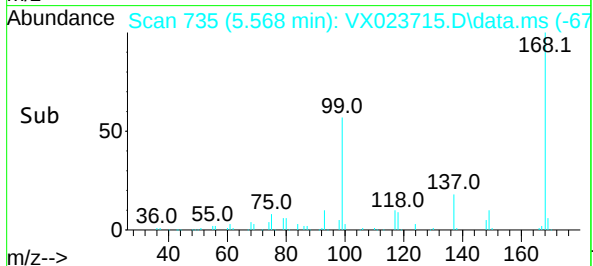


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

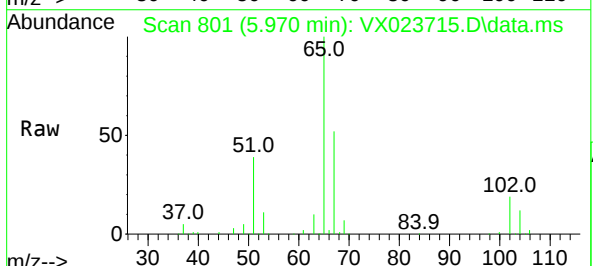
Instrument :
MSVOA_X
ClientSampleId :



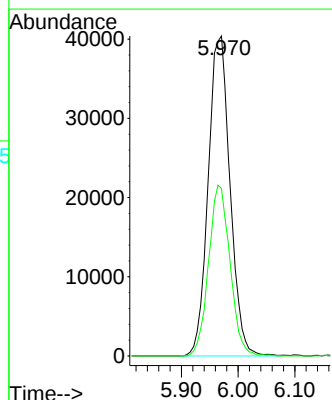
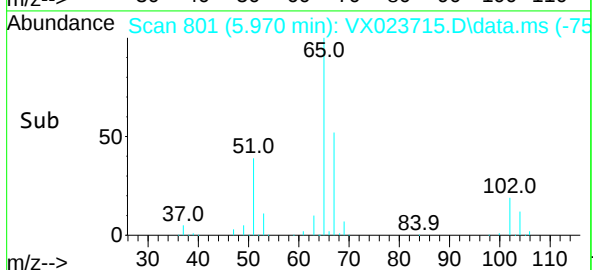
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Ion Ratio Lower Upper
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69 140.5 25.3 37.9#
84 103.8 71.4 107.0

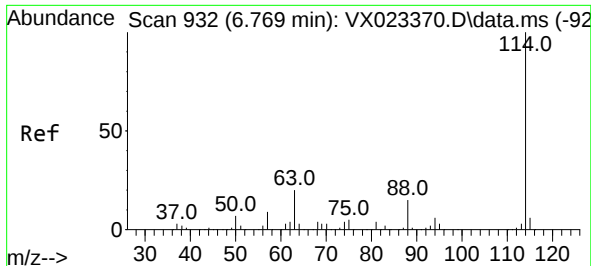


#33
1,2-Dichloroethane-d4
Concen: 57.375 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02



Tgt Ion: 65 Resp: 108206
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4

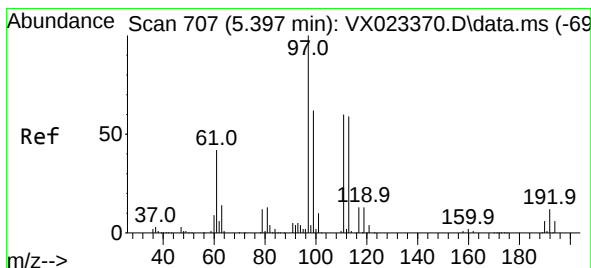
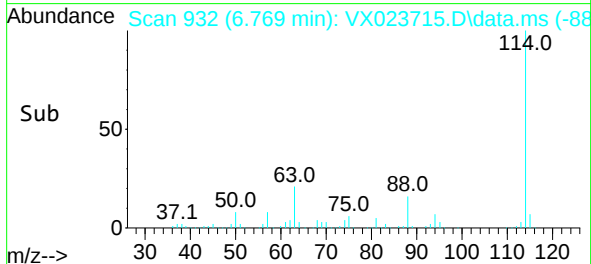
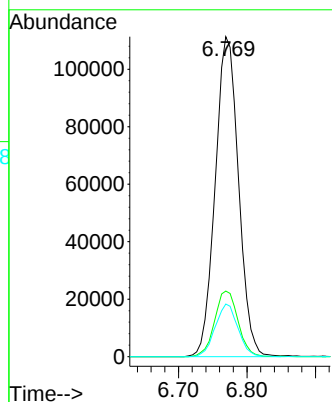
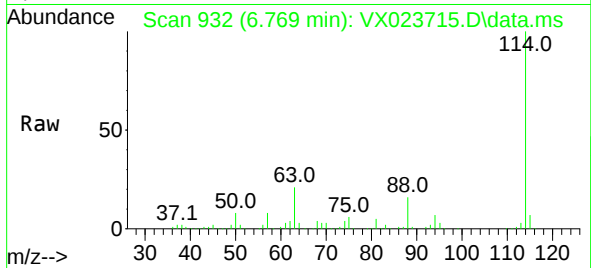




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

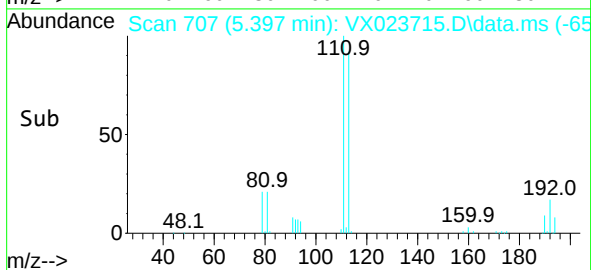
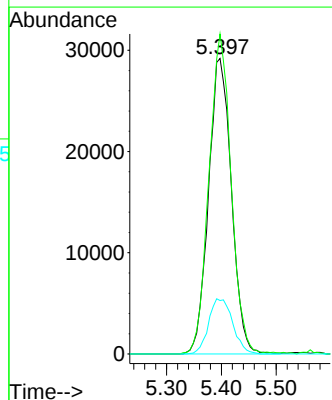
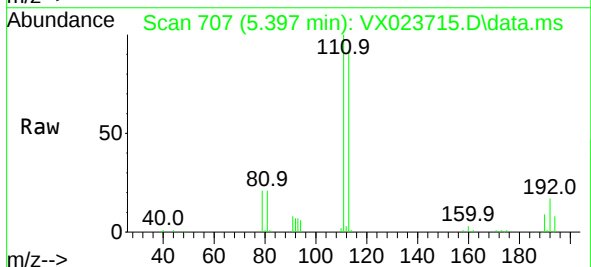
Instrument :
MSVOA_X
ClientSampleId :

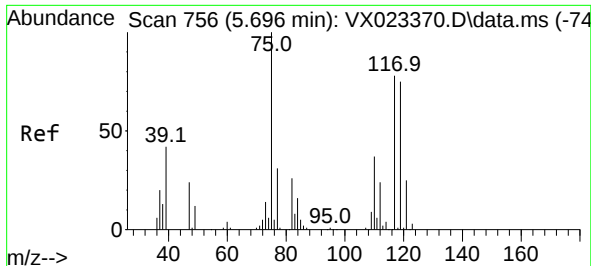
Tgt Ion:114 Resp: 262669
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.562 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion:113 Resp: 84681
Ion Ratio Lower Upper
113 100
111 104.7 81.9 122.9
192 19.6 16.7 25.1

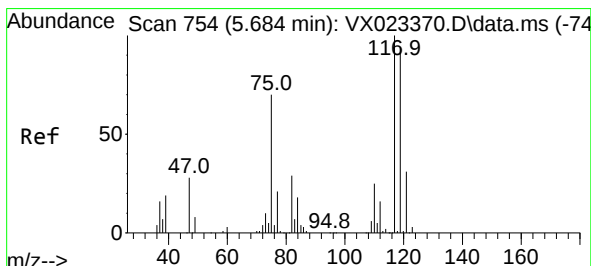
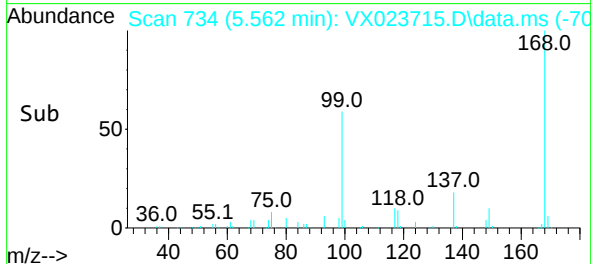
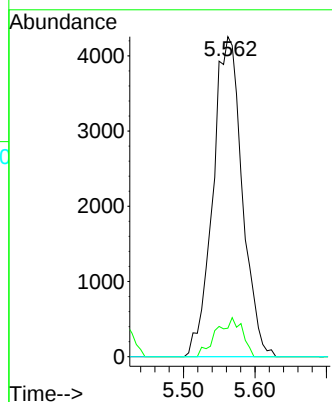
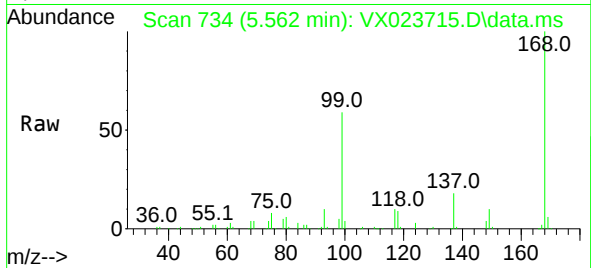




#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

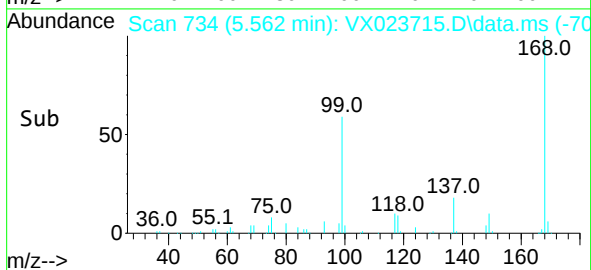
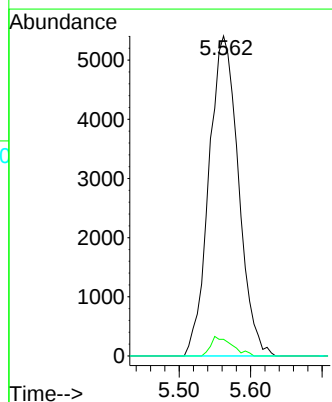
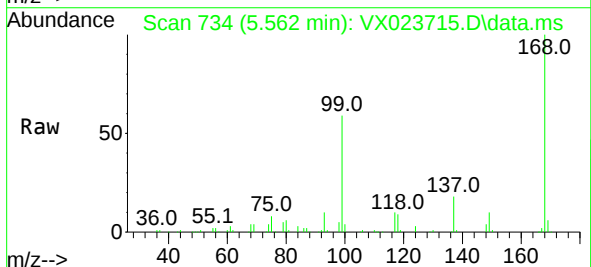
Instrument :
MSVOA_X
ClientSampleId :

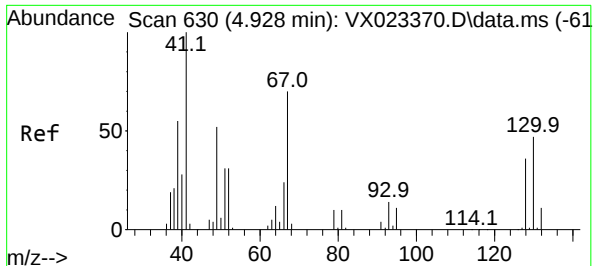
Tgt Ion: 75 Resp: 12084
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 117 Resp: 15495
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

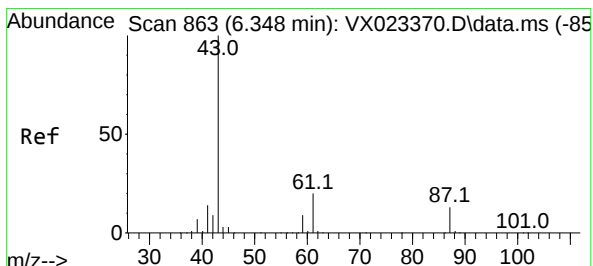
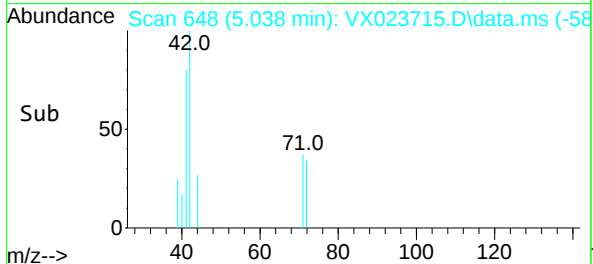
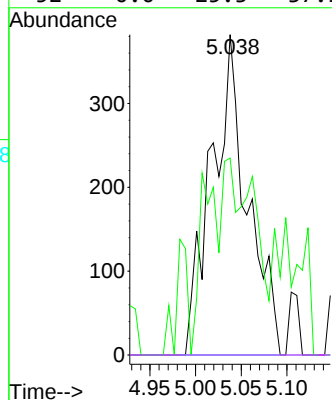
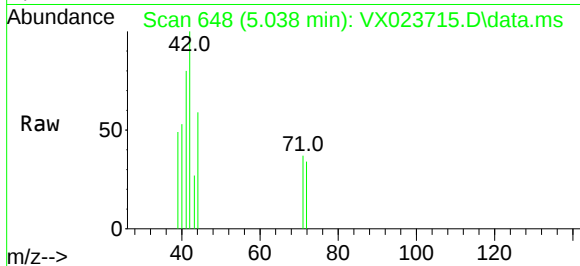




#41
Methacrylonitrile
Concen: 0.661 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

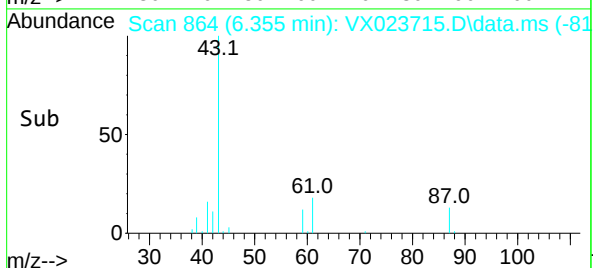
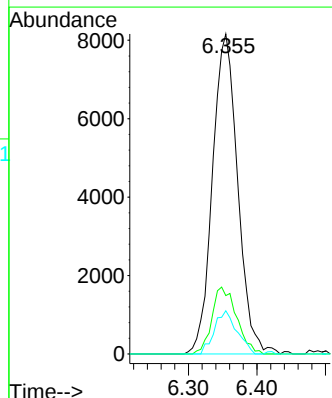
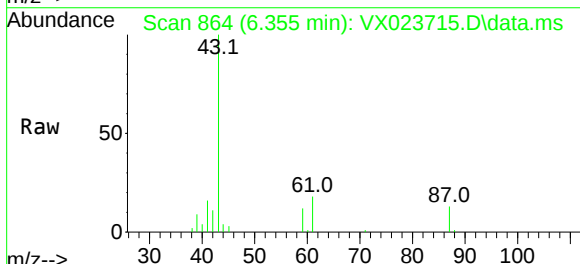
Instrument :
MSVOA_X
ClientSampleId :

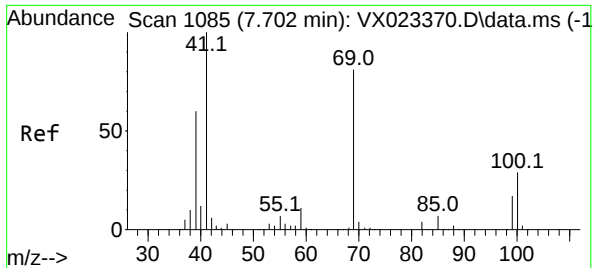
Tgt Ion:	41	Resp:	1046
Ion	Ratio	Lower	Upper
41	100		
39	11.4	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.497 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion:	43	Resp:	20875
Ion	Ratio	Lower	Upper
43	100		
61	20.5	18.2	27.4
87	12.0	12.5	18.7#

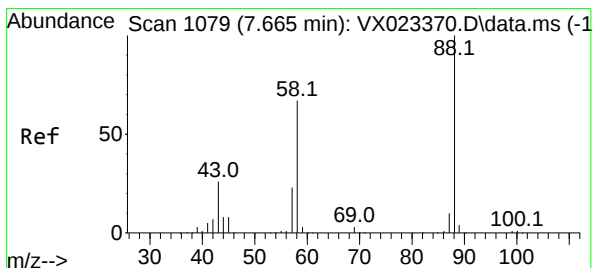
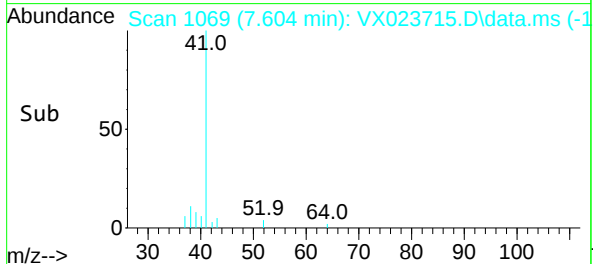
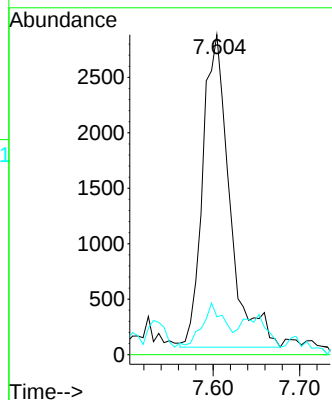
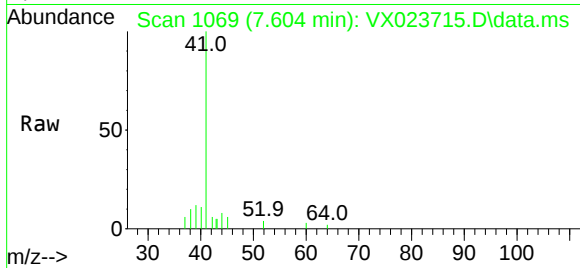




#48
Methyl methacrylate
Concen: 2.833 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

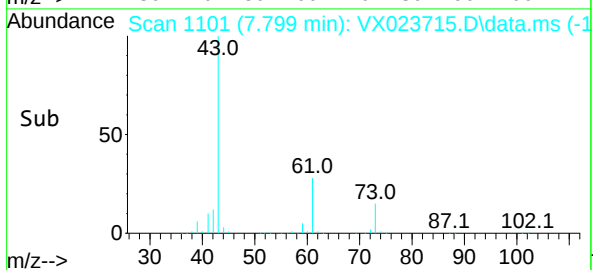
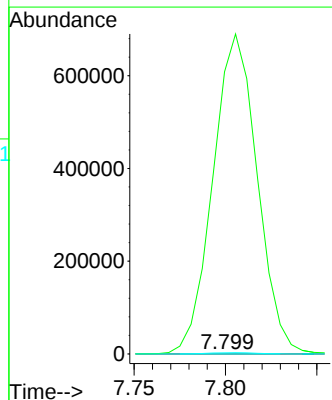
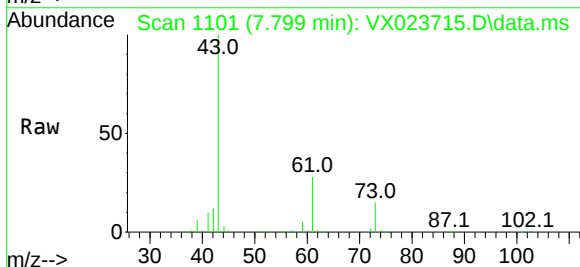
Instrument :
MSVOA_X
ClientSampleId :

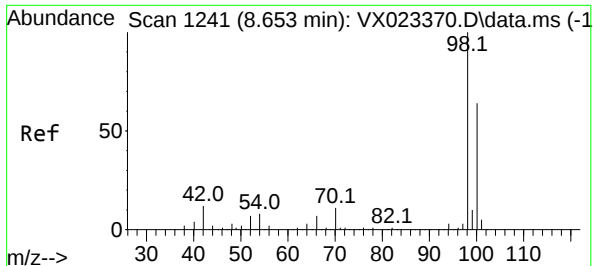
Tgt Ion: 41 Resp: 6091
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.805 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 532425.9 23.2 34.8#
58 2338.6 55.0 82.4#





#50

Toluene-d8

Concen: 54.772 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023715.D

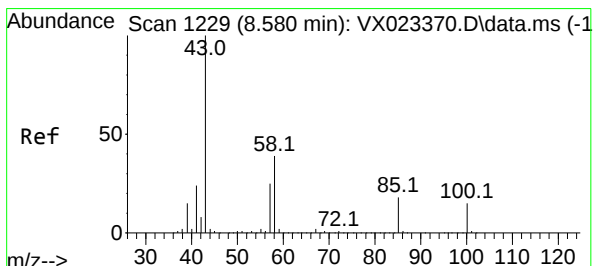
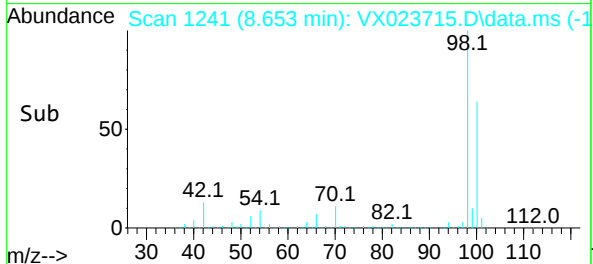
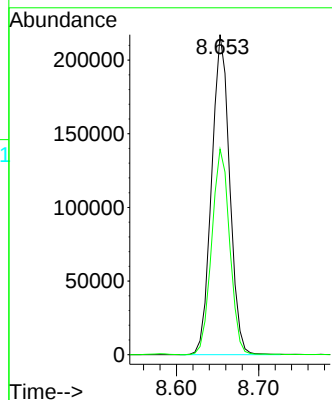
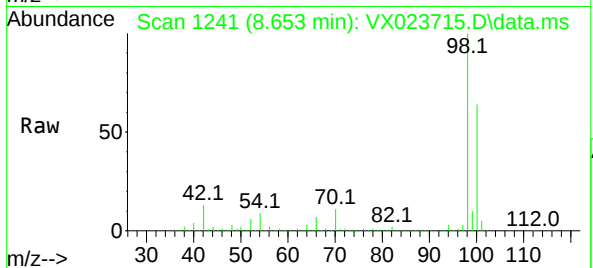
Acq: 14 Aug 2021 02:02

Tgt Ion: 98 Resp: 330490

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 27.228 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX023715.D

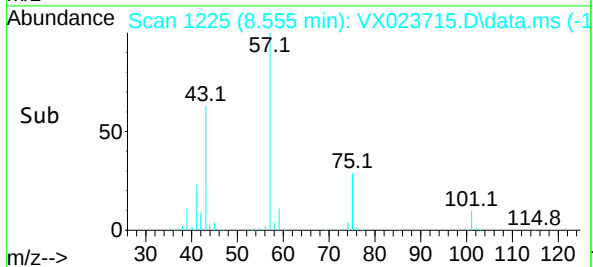
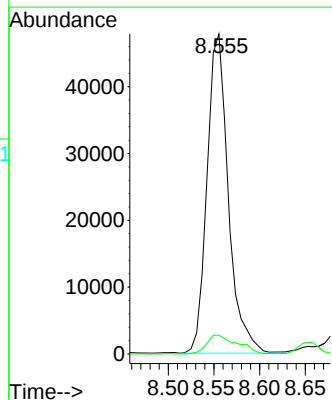
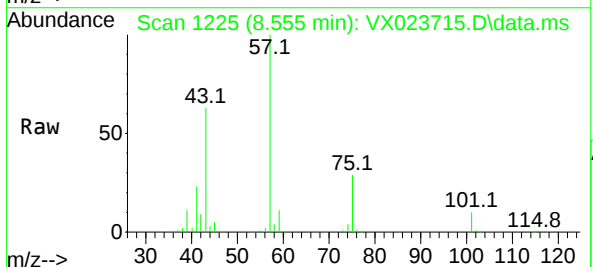
Acq: 14 Aug 2021 02:02

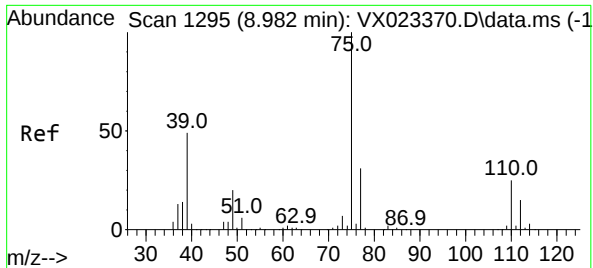
Tgt Ion: 43 Resp: 77314

Ion Ratio Lower Upper

43 100

58 8.6 35.4 53.0#

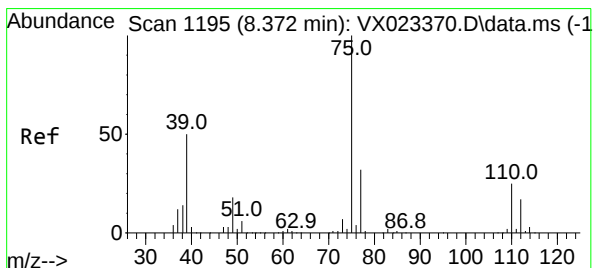
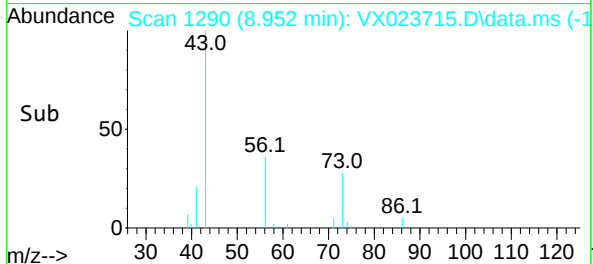
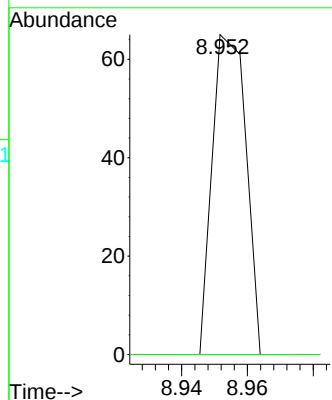
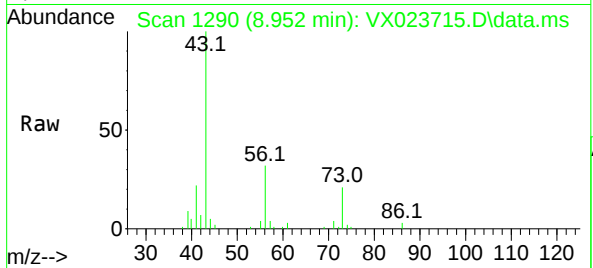




#53
t-1,3-Dichloropropene
Concen: 1.832 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

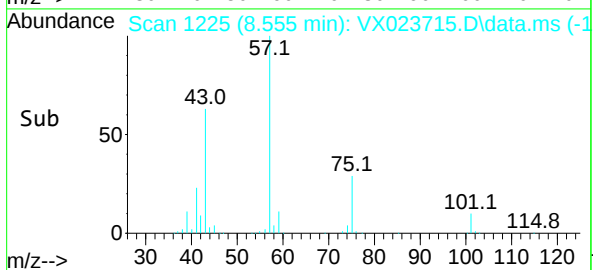
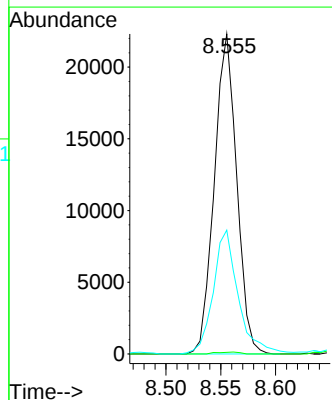
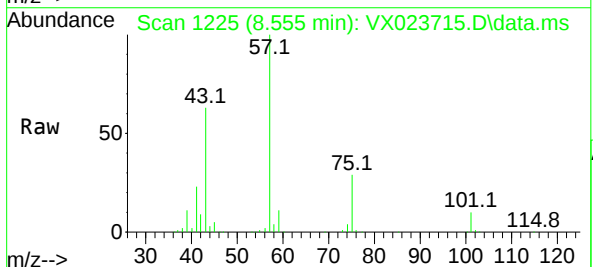
Instrument :
MSVOA_X
ClientSampled :

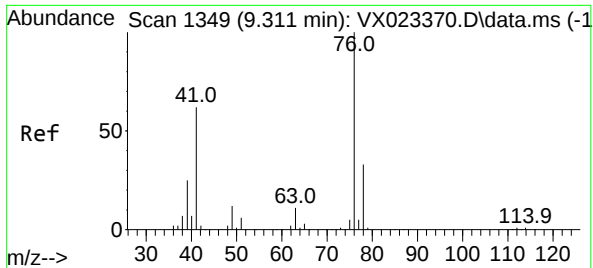
Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 11.147 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 75 Resp: 31658
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 38.7 35.1 52.7

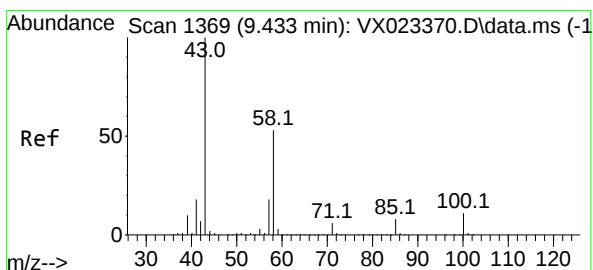
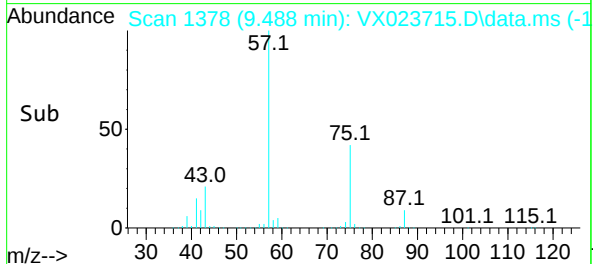
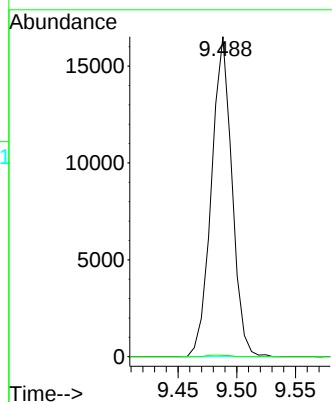
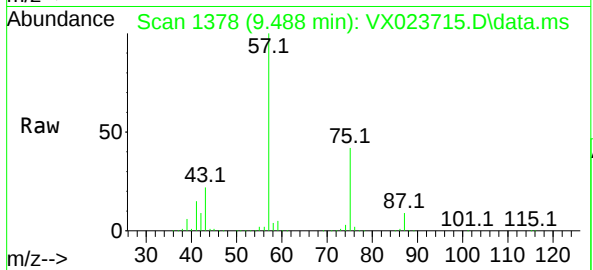




#57
1,3-Dichloropropane
Concen: 6.698 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

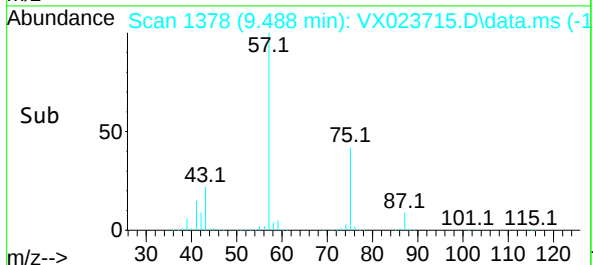
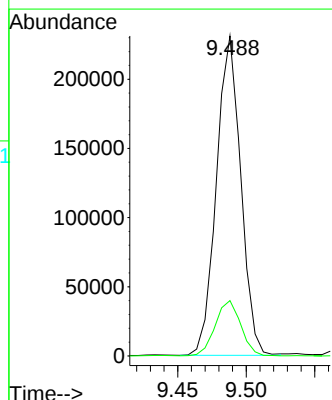
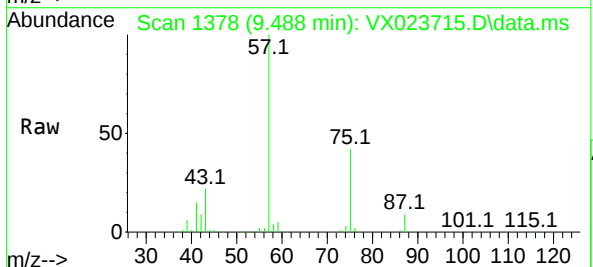
Instrument :
MSVOA_X
ClientSampleId :

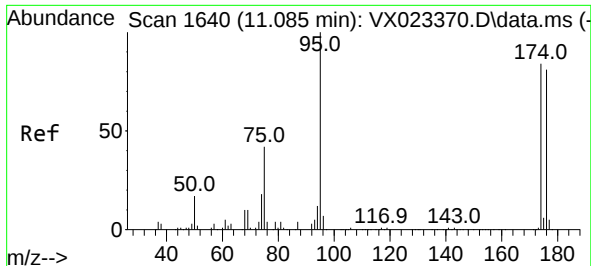
Tgt Ion: 76 Resp: 20117
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#



#59
2-Hexanone
Concen: 132.285 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 43 Resp: 285237
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

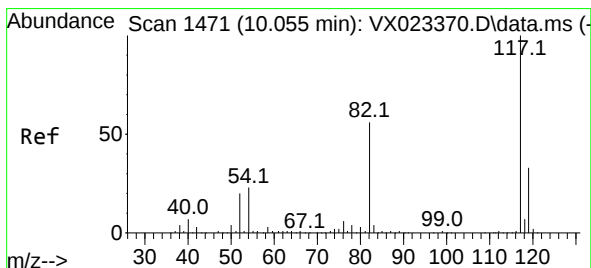
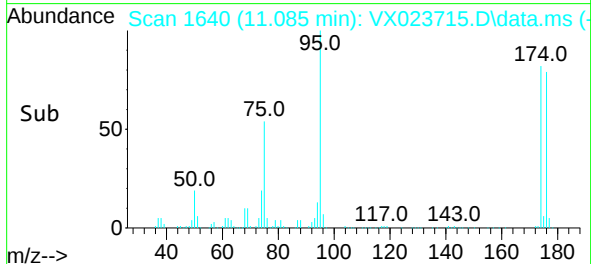
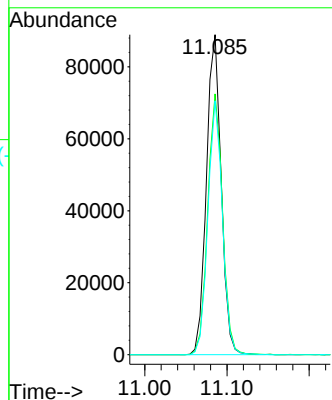
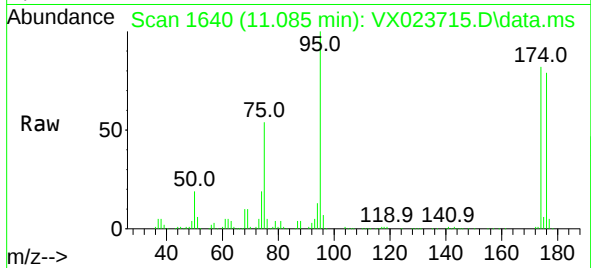




#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

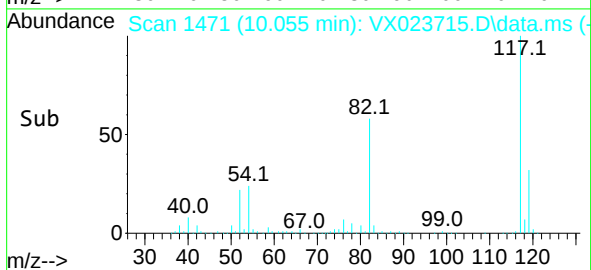
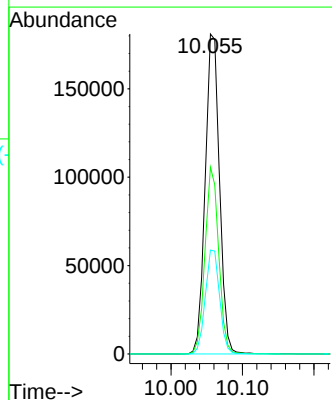
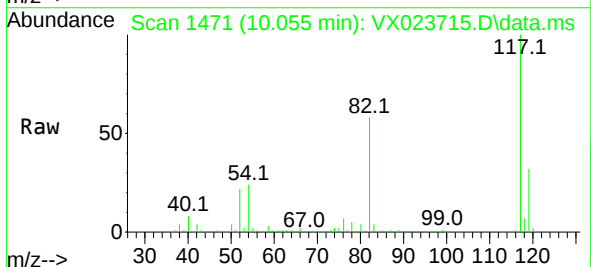
Instrument :
MSVOA_X
ClientSampleId :

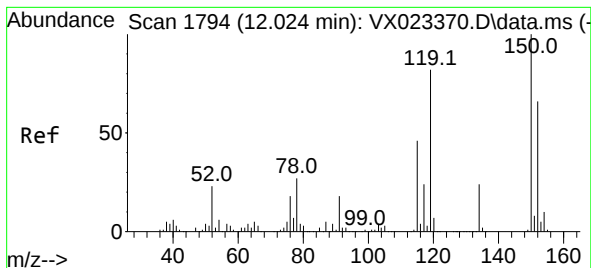
Tgt Ion: 95 Resp: 110769
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 117 Resp: 251708
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.4 26.6 39.8

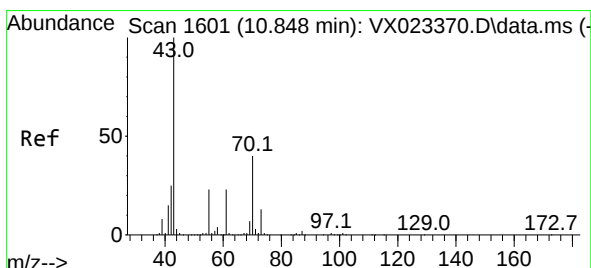
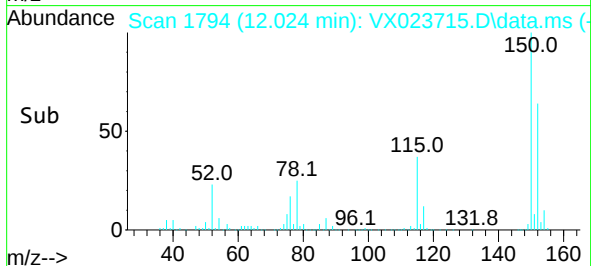
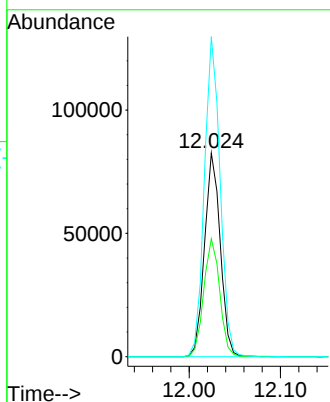
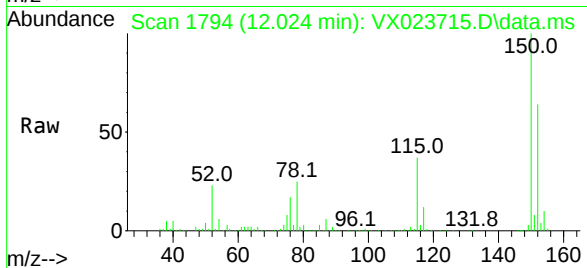




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

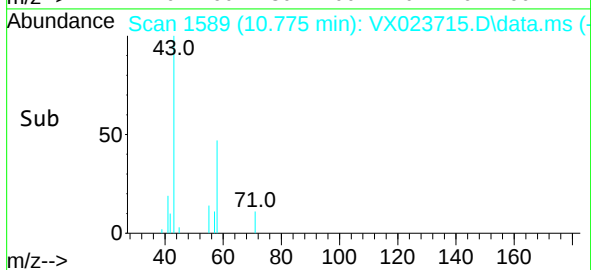
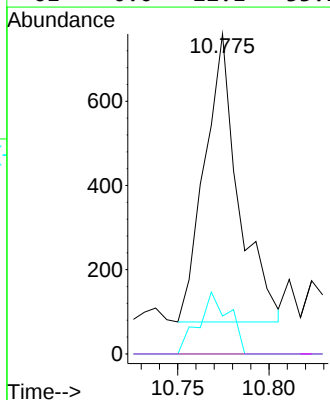
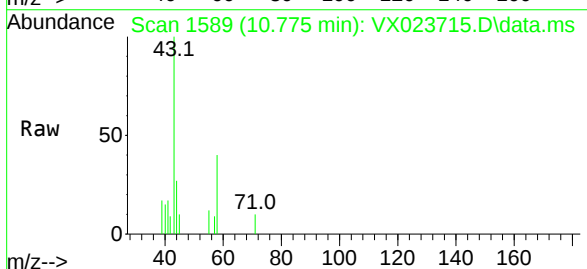
Instrument :
MSVOA_X
ClientSampled :

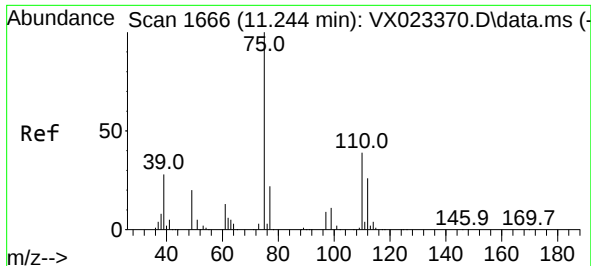
Tgt Ion:152 Resp: 98821
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 157.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.259 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 19.4 21.5 32.3#
61 0.0 22.1 33.1#

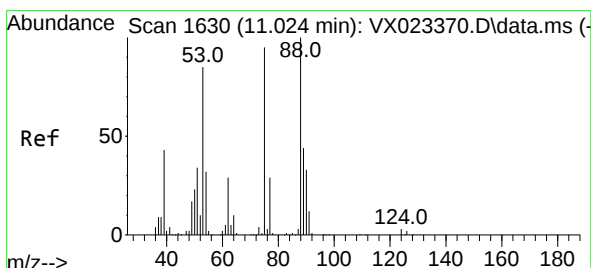
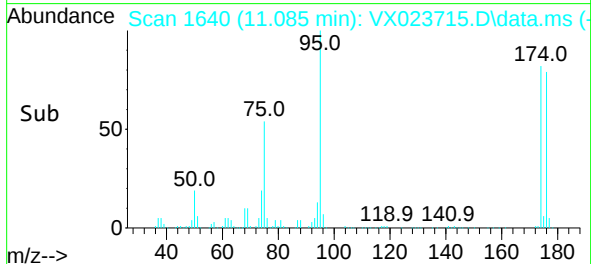
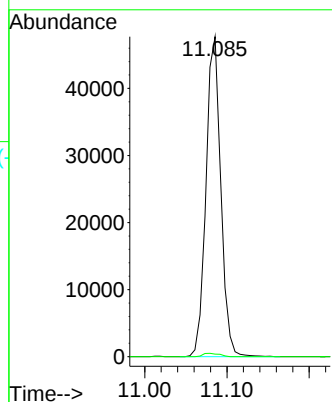
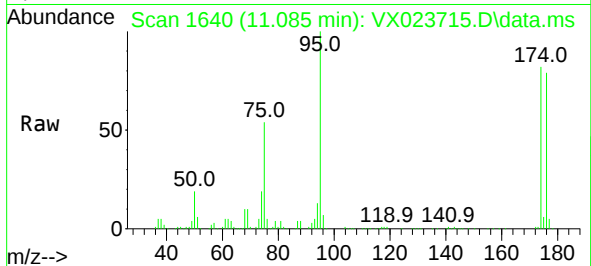




#76
1,2,3-Trichloropropane
Concen: 27.419 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 59627
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.727 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023715.D
Acq: 14 Aug 2021 02:02

Tgt Ion: 75 Resp: 59627
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

