

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023720.D
 Acq On : 14 Aug 2021 04:00
 Operator : JC/MD
 Sample : M3397-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:36:40 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)

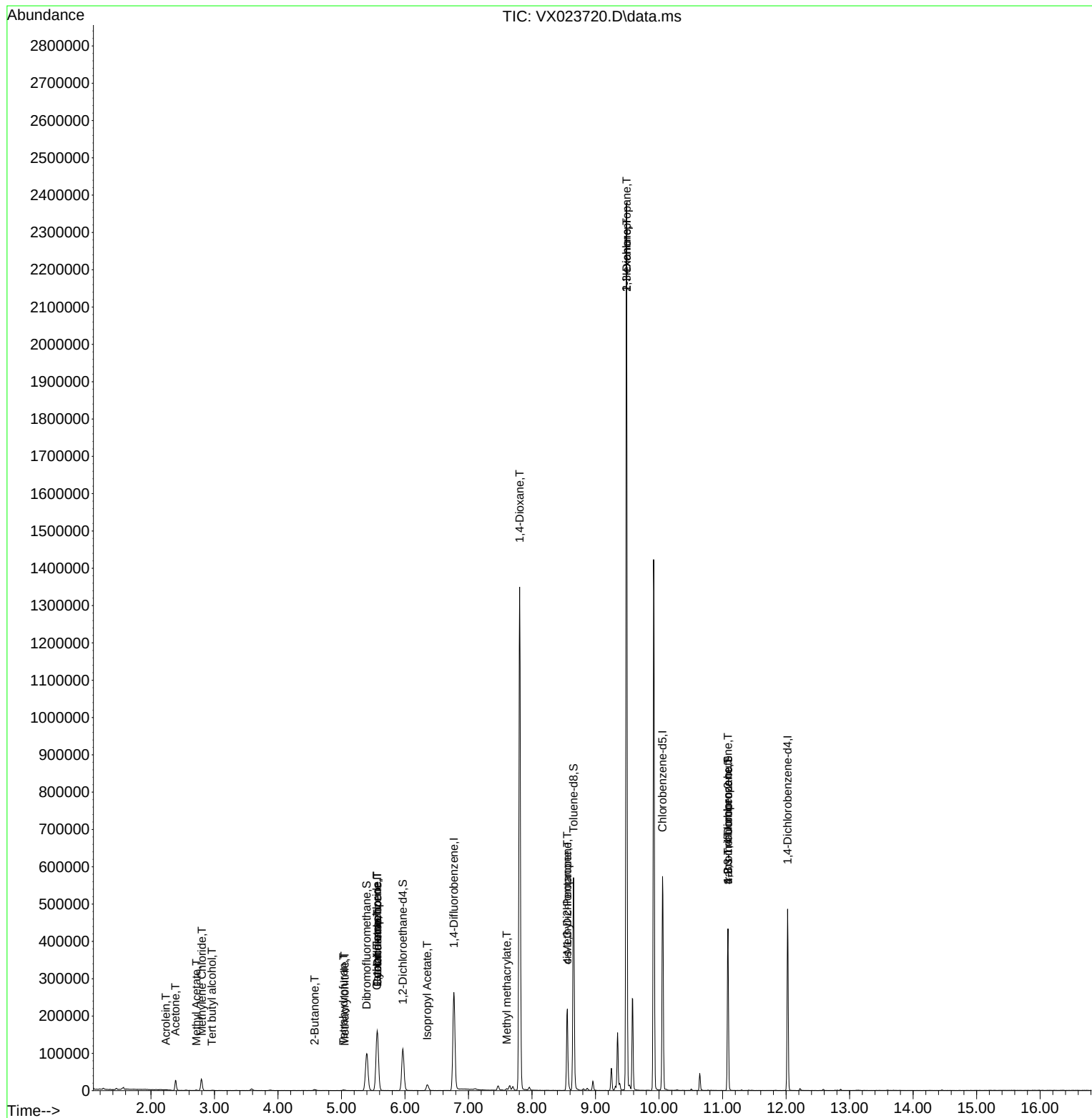
Internal Standards						
1) Pentafluorobenzene	5.562	168	151519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	258435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107396	56.821	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.640%
35) Dibromofluoromethane	5.397	113	84998	52.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.200%
50) Toluene-d8	8.653	98	326003	54.913	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.820%
62) 4-Bromofluorobenzene	11.085	95	108498	53.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	332	0.769	ug/l #	73
13) Acrolein	2.233	56	63	1.649	ug/l #	1
16) Acetone	2.386	43	28240	30.459	ug/l	88
18) Methyl Acetate	2.715	43	1585	0.719	ug/l	96
20) Methylene Chloride	2.800	84	13124	7.277	ug/l	96
25) 2-Butanone	4.574	43	4759	3.306	ug/l #	81
29) Tetrahydrofuran	5.032	42	1487	1.576	ug/l #	82
31) Cyclohexane	5.562	56	3286	1.174	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	11787	5.042	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15669	6.591	ug/l #	17
41) Methacrylonitrile	5.050	41	1063	0.683	ug/l #	21
43) Isopropyl Acetate	6.348	43	21641	4.738	ug/l	92
48) Methyl methacrylate	7.604	41	6457	3.052	ug/l #	10
49) 1,4-Dioxane	7.806	88	191	4.240	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77243	27.649	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	32773	11.729	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	18922	6.404	ug/l #	42
59) 2-Hexanone	9.488	43	284866	134.277	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	57129	26.960	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57129	72.492	ug/l #	12

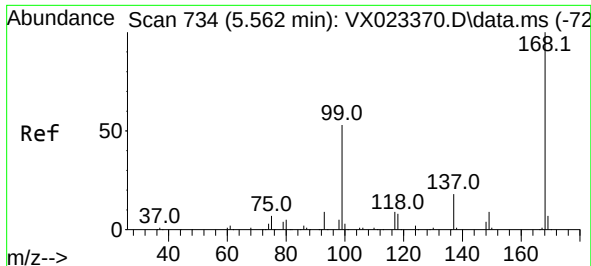
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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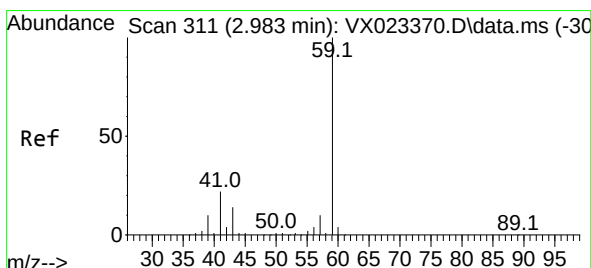
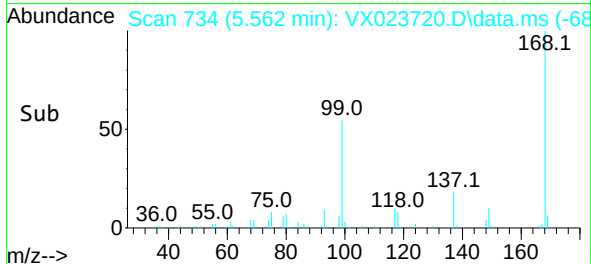
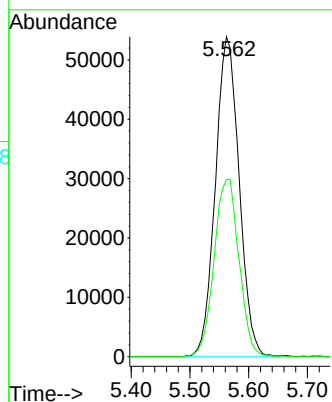
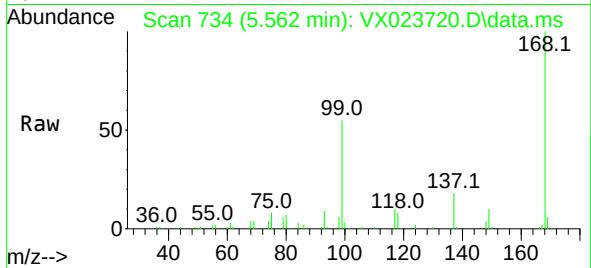




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

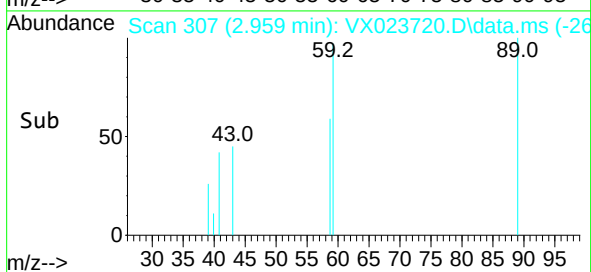
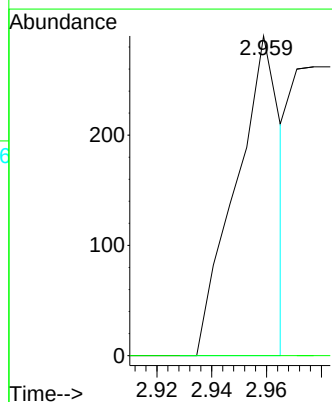
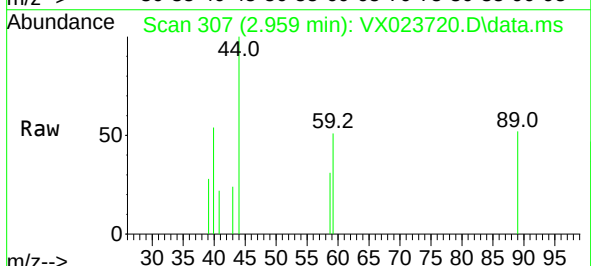
Instrument :
MSVOA_X
ClientSampleId :

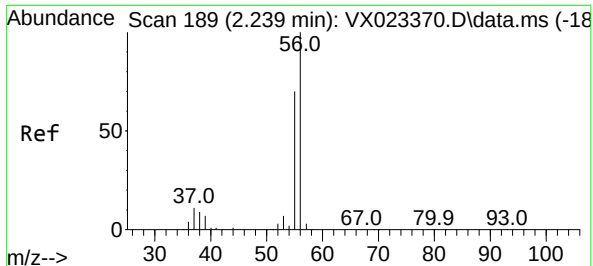
Tgt Ion:168 Resp: 151519
Ion Ratio Lower Upper
168 100
99 55.3 45.8 68.6



#11
Tert butyl alcohol
Concen: 0.769 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

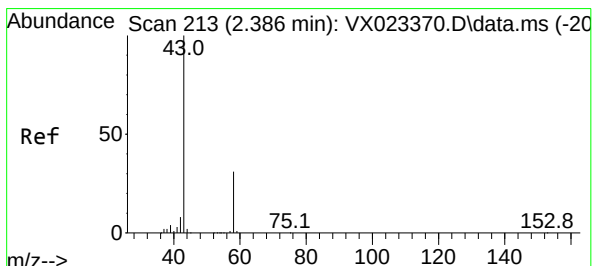
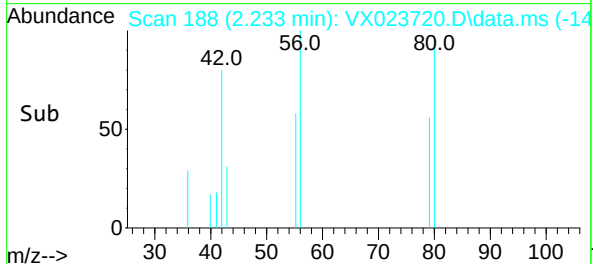
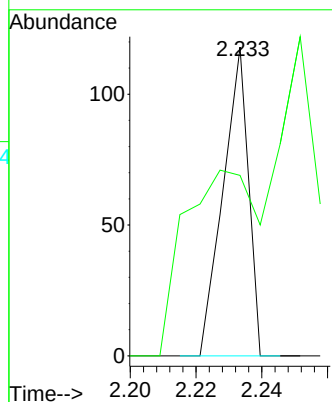
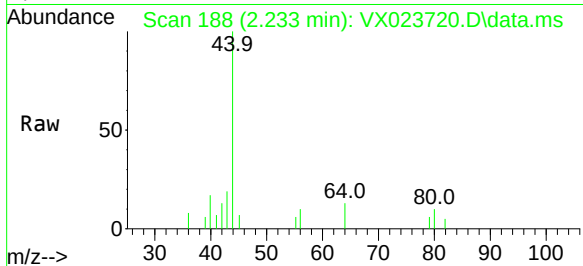




#13
Acrolein
Concen: 1.649 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

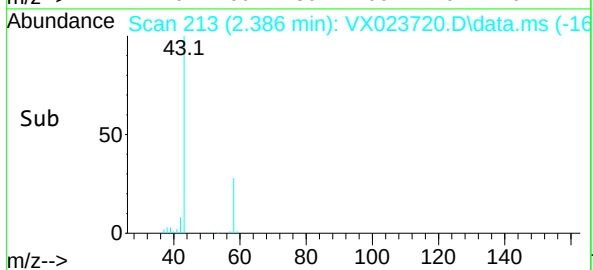
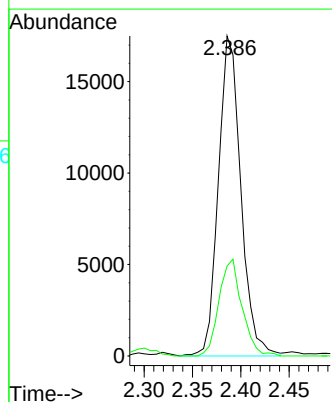
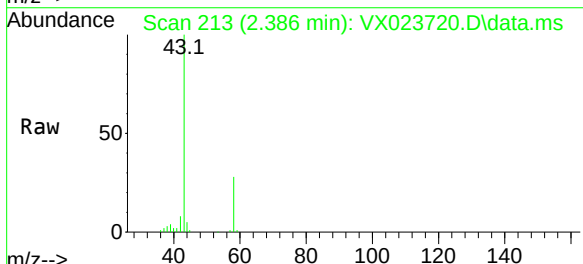
Instrument :
MSVOA_X
ClientSampled :

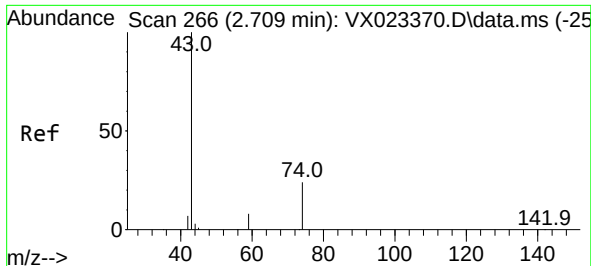
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 174.6 56.4 84.6#



#16
Acetone
Concen: 30.459 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 43 Resp: 28240
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8





#18

Methyl Acetate

Concen: 0.719 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

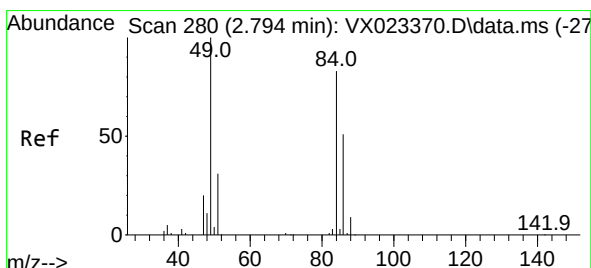
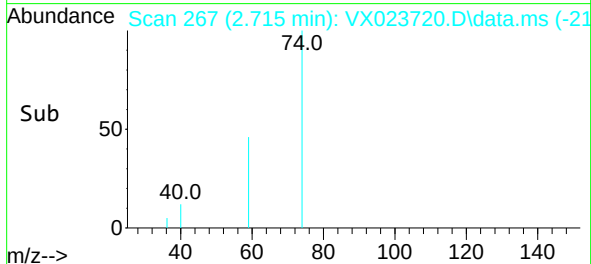
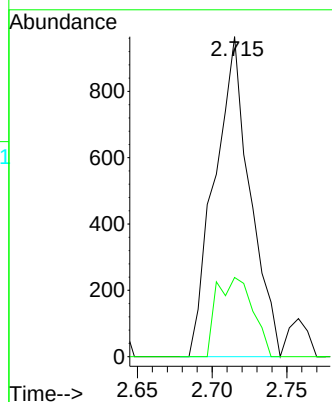
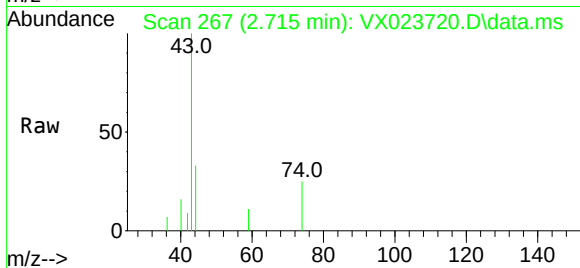
Lab File: VX023720.D

Acq: 14 Aug 2021 04:00

Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43	100		
74	25.3	21.9	32.9



#20

Methylene Chloride

Concen: 7.277 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

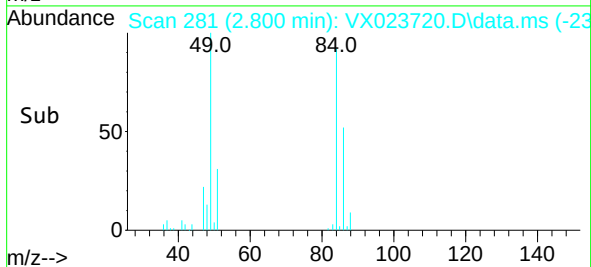
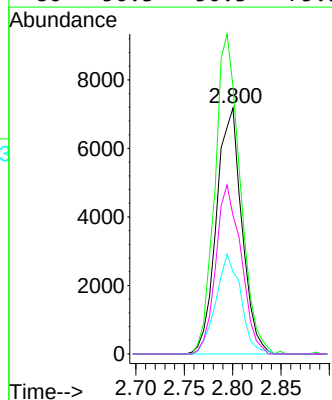
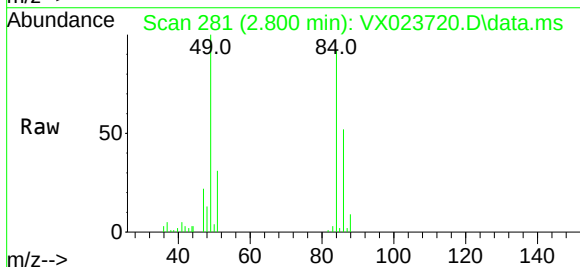
Lab File: VX023720.D

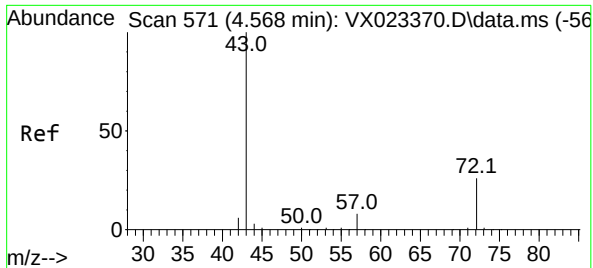
Acq: 14 Aug 2021 04:00

Tgt Ion: 84 Resp: 13124

Ion Ratio Lower Upper

84	100		
49	108.8	88.6	132.8
51	33.5	27.0	40.6
86	56.3	50.3	75.5

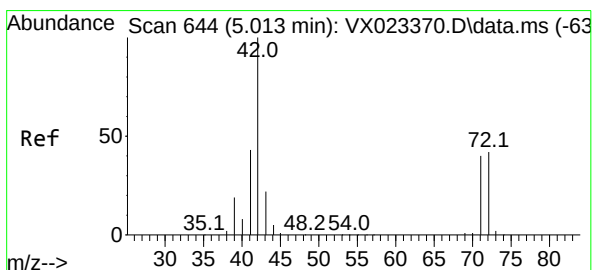
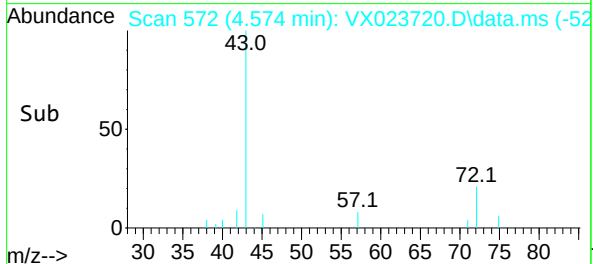
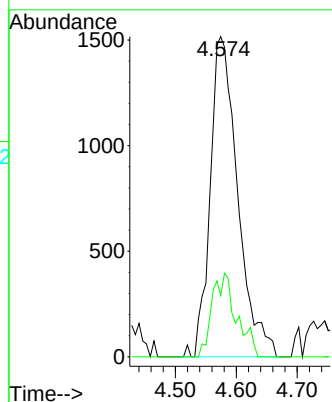
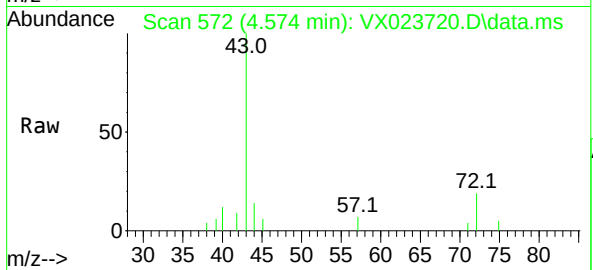




#25
2-Butanone
Concen: 3.306 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

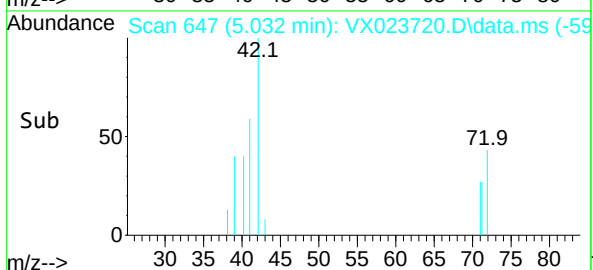
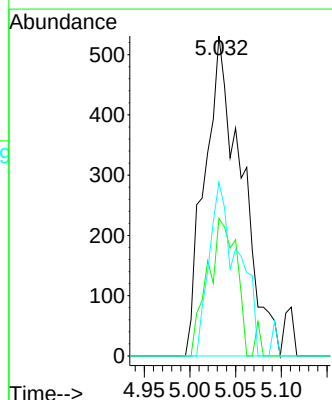
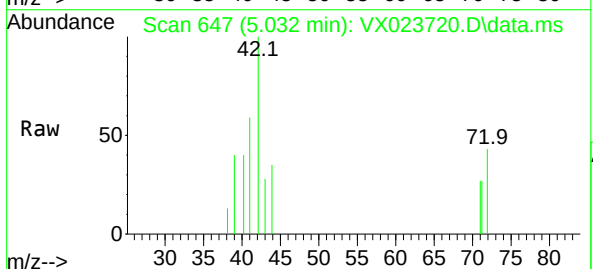
Instrument :
MSVOA_X
ClientSampled :

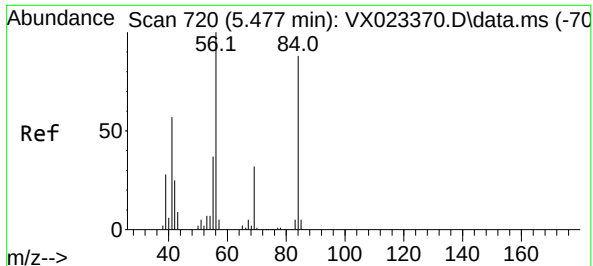
Tgt Ion: 43 Resp: 4759
Ion Ratio Lower Upper
43 100
72 19.1 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.576 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 42 Resp: 1487
Ion Ratio Lower Upper
42 100
72 33.4 41.7 62.5#
71 42.7 38.4 57.6

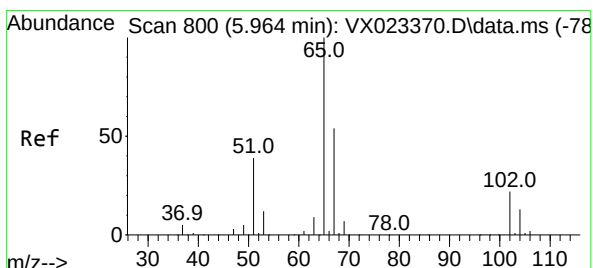
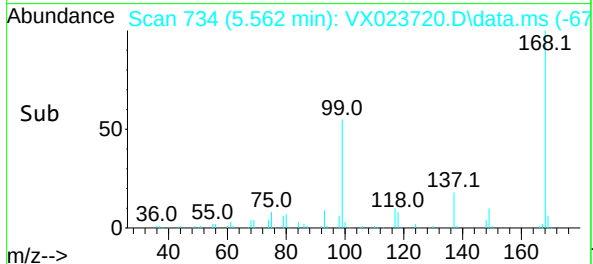
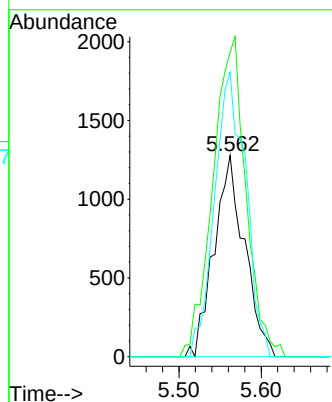
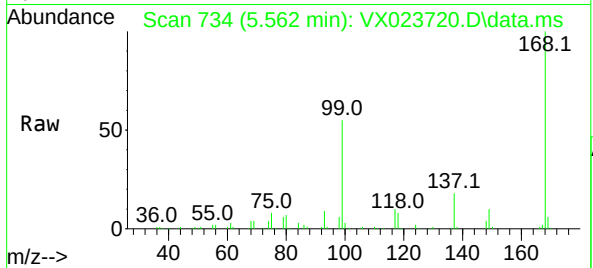




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

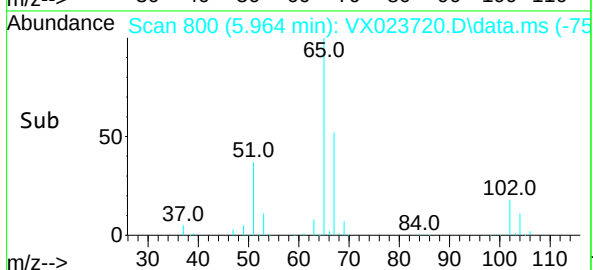
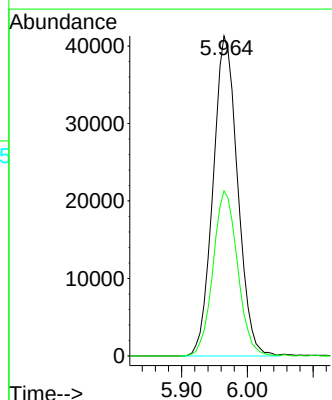
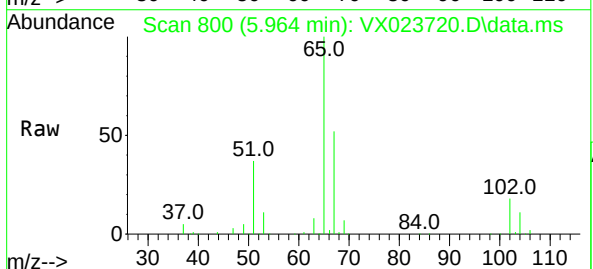
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MSVOA_X
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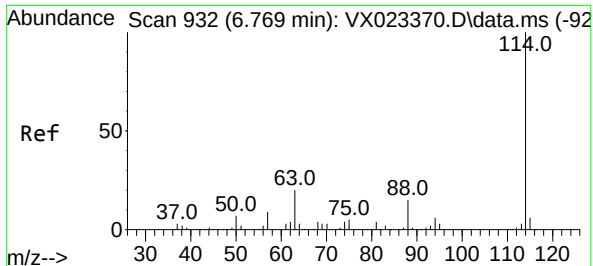
Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 151.3 25.3 37.9#
84 141.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.821 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 65 Resp: 107396
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

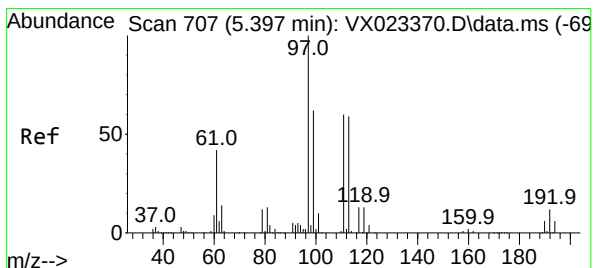
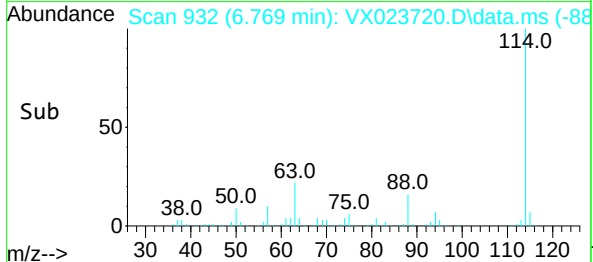
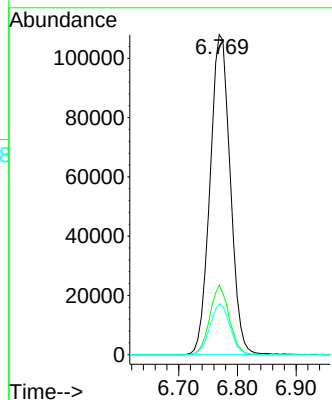
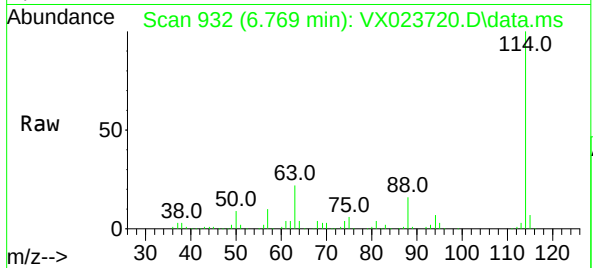




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

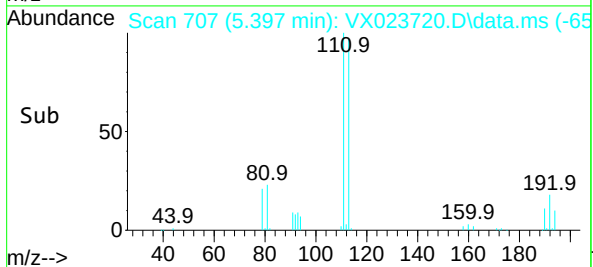
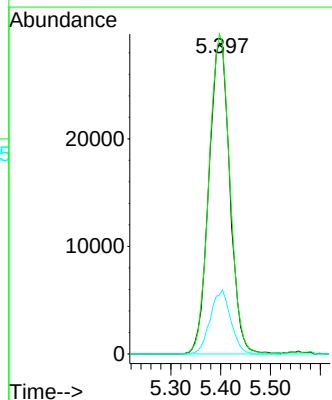
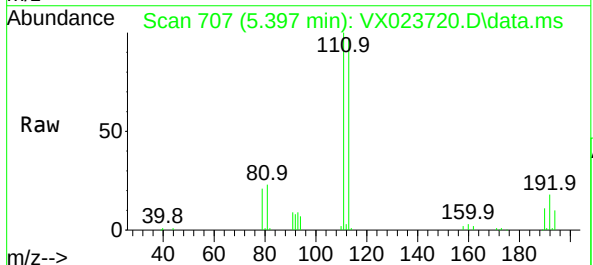
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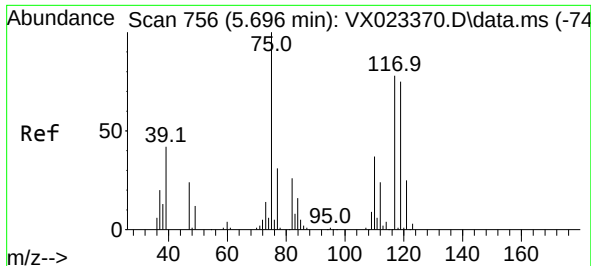
Tgt Ion:114 Resp: 258435
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.603 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion:113 Resp: 84998
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 19.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.042 ug/l

RT: 5.562 min Scan# 734

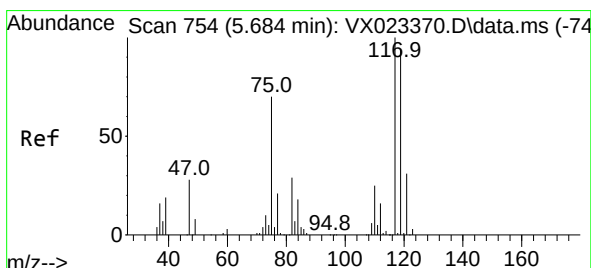
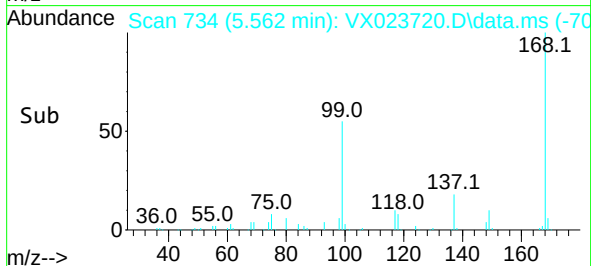
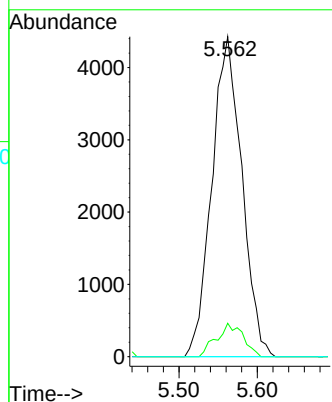
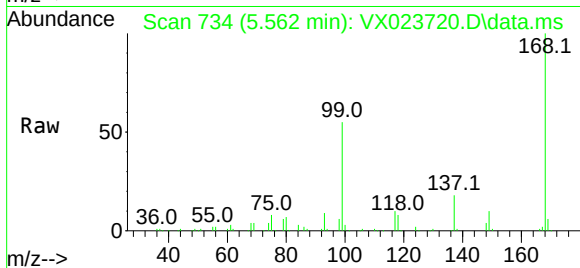
Delta R.T. -0.134 min

Lab File: VX023720.D

Acq: 14 Aug 2021 04:00

Tgt Ion: 75	Resp: 11787
Ion Ratio	Lower Upper
75 100	
110 9.2	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.591 ug/l

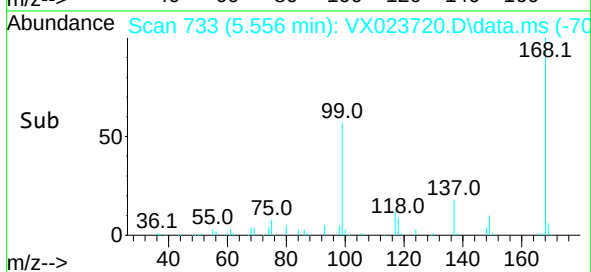
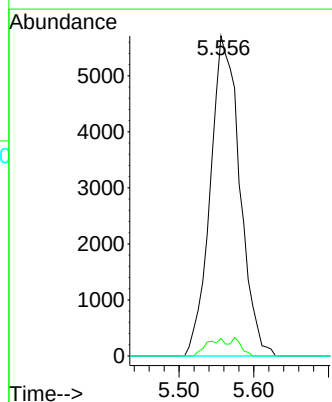
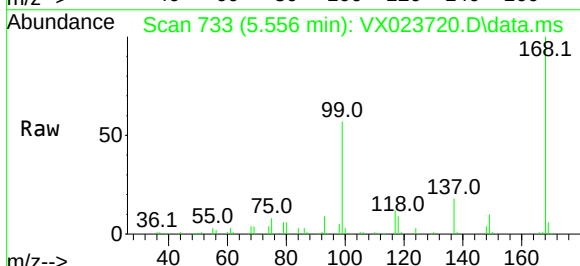
RT: 5.556 min Scan# 733

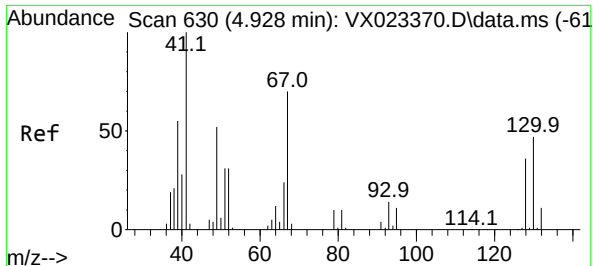
Delta R.T. -0.128 min

Lab File: VX023720.D

Acq: 14 Aug 2021 04:00

Tgt Ion: 117	Resp: 15669
Ion Ratio	Lower Upper
117 100	
119 5.5	76.2 114.2#
121 0.0	24.8 37.2#

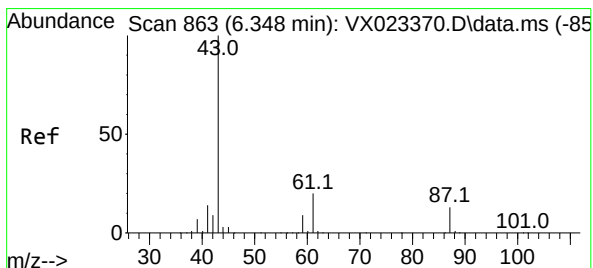
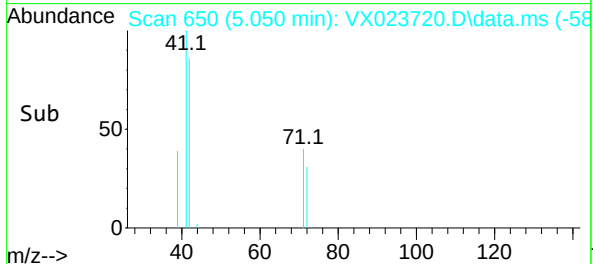
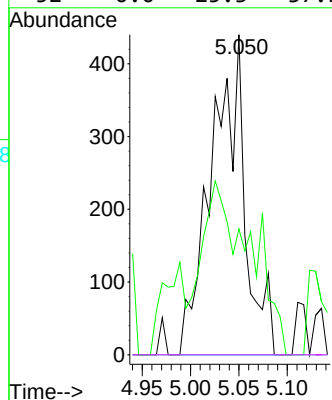
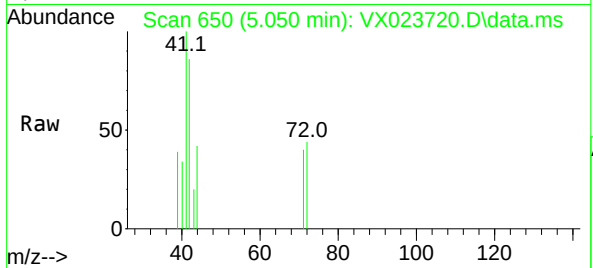




#41
Methacrylonitrile
Concen: 0.683 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.122 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

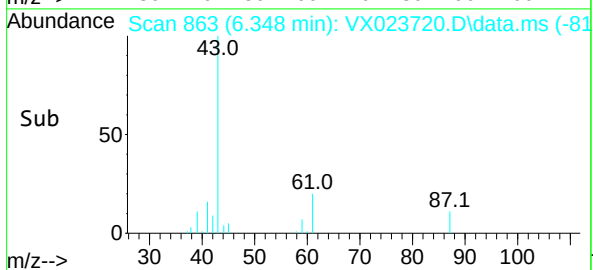
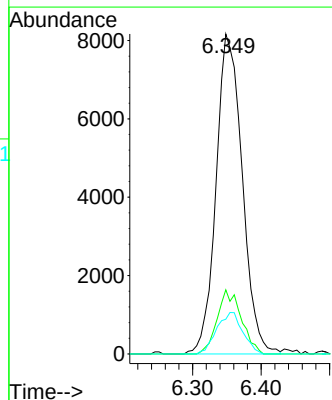
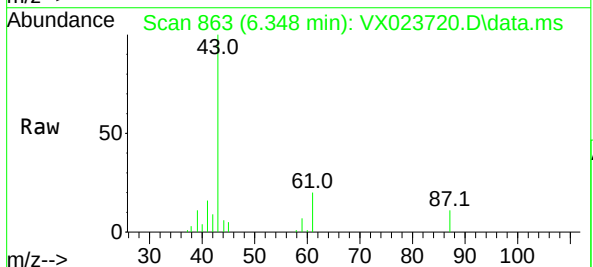
Instrument :
MSVOA_X
ClientSampleId :

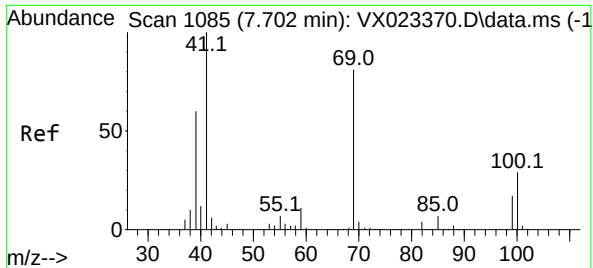
Tgt Ion: 41 Resp: 1063
Ion Ratio Lower Upper
41 100
39 0.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 4.738 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 43 Resp: 21641
Ion Ratio Lower Upper
43 100
61 18.5 18.2 27.4
87 12.9 12.5 18.7

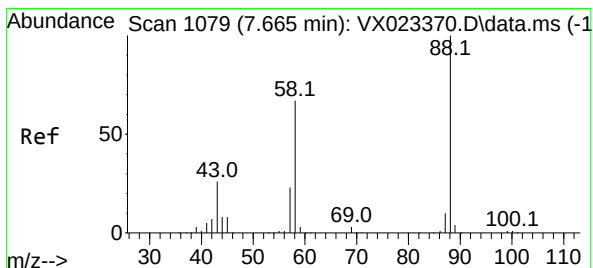
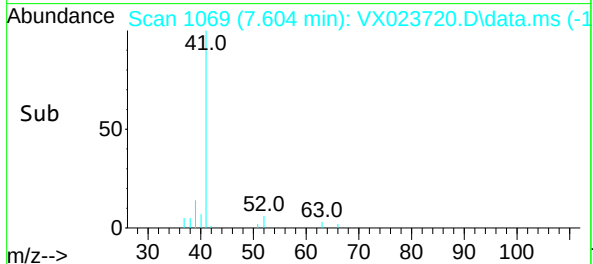
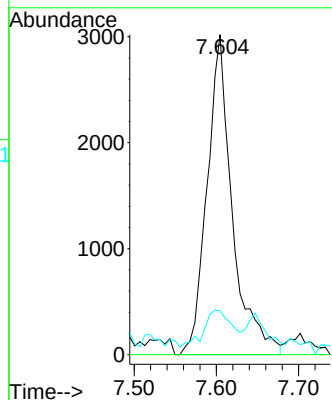
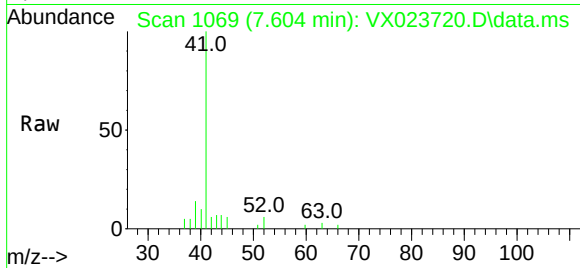




#48
Methyl methacrylate
Concen: 3.052 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

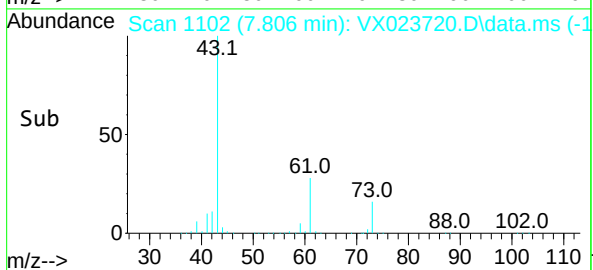
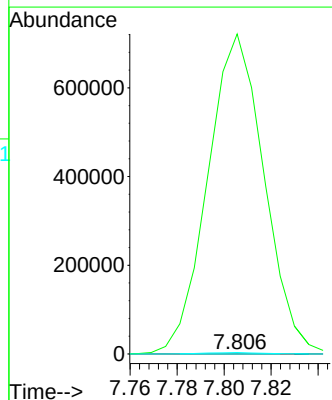
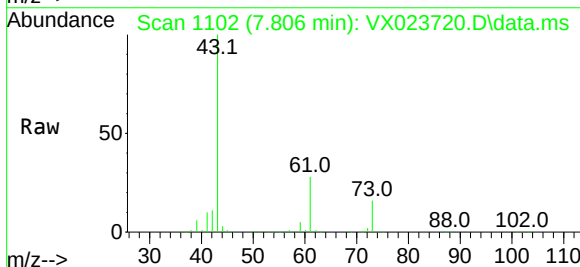
Instrument :
MSVOA_X
ClientSampleId :

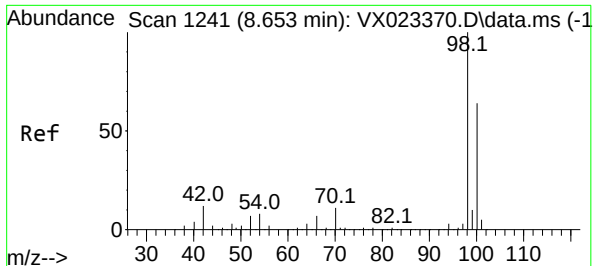
Tgt Ion: 41 Resp: 6457
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.240 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 634528.3 23.2 34.8#
58 2804.2 55.0 82.4#

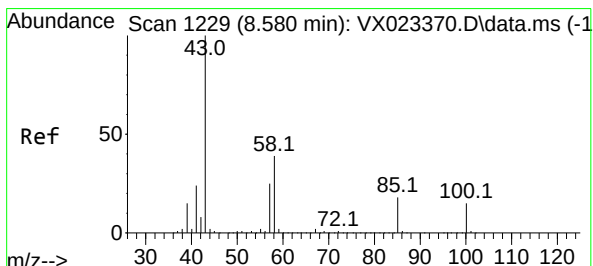
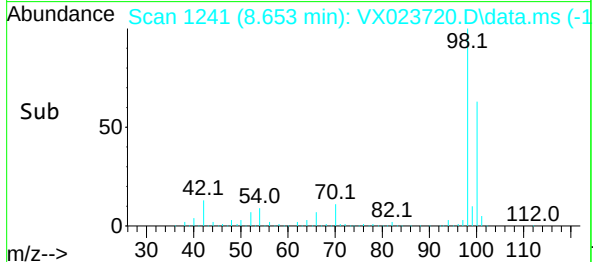
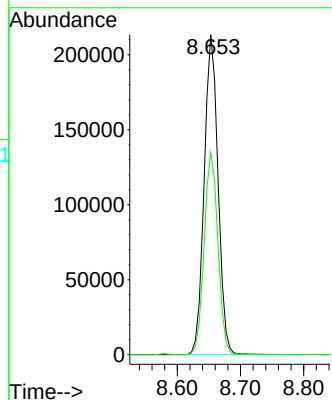
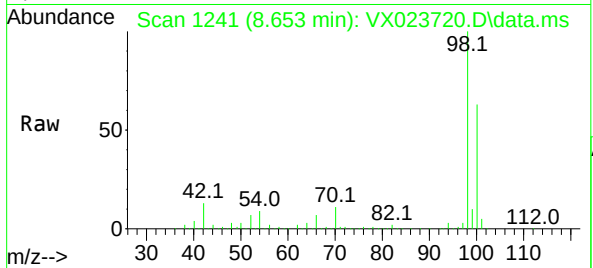




#50
Toluene-d8
Concen: 54.913 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

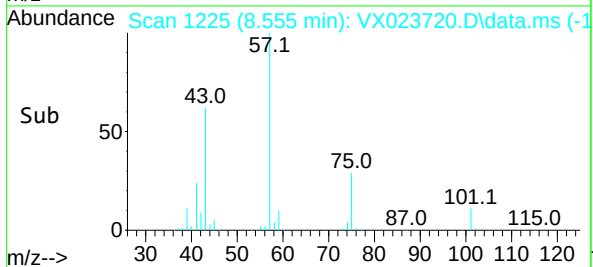
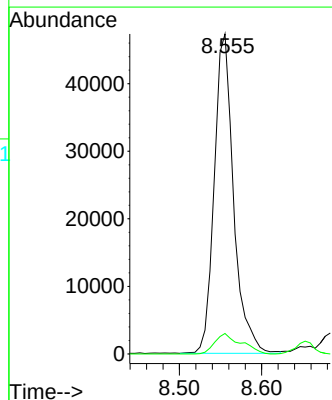
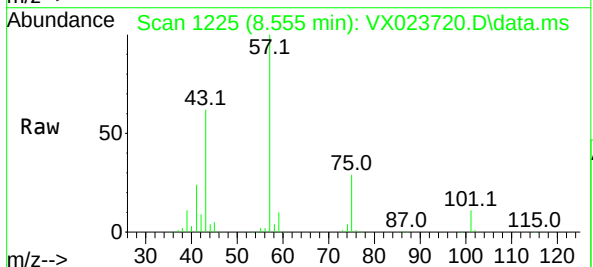
Instrument :
MSVOA_X
ClientSampled :

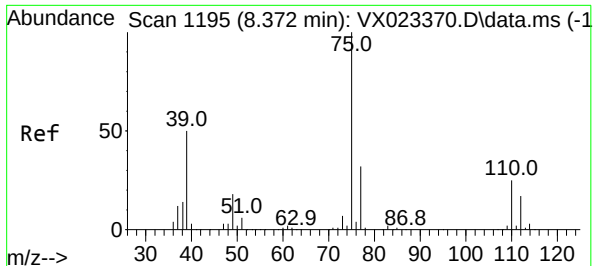
Tgt Ion: 98 Resp: 326003
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.649 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 43 Resp: 77243
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#

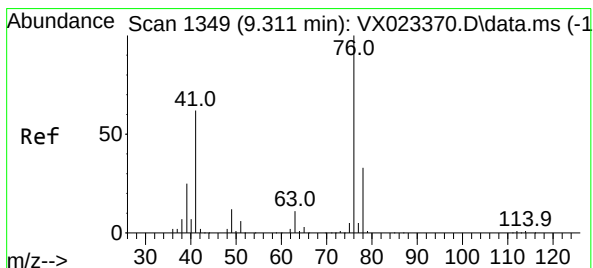
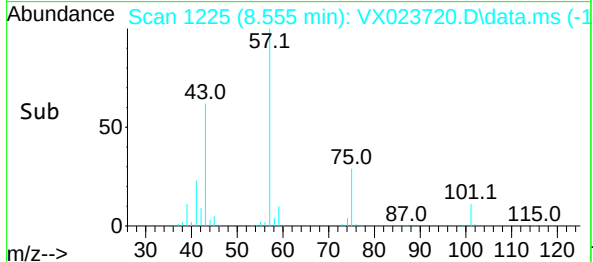
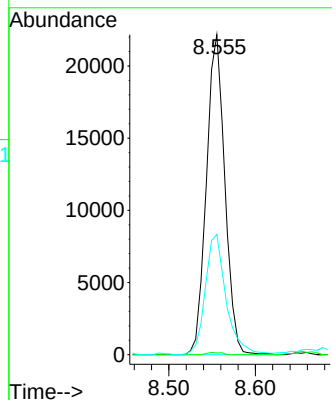
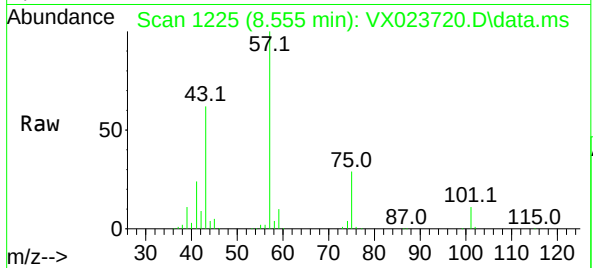




#54
 cis-1,3-Dichloropropene
 Concen: 11.729 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023720.D
 Acq: 14 Aug 2021 04:00

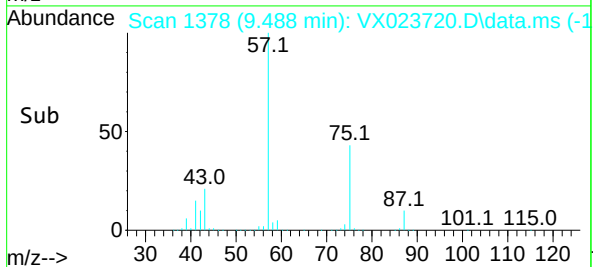
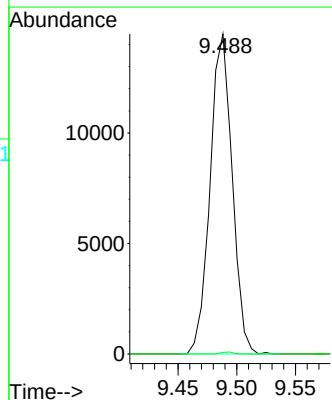
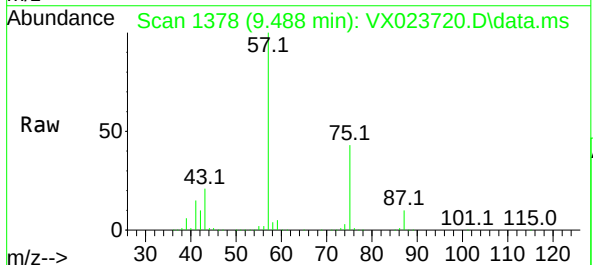
Instrument :
 MSVOA_X
 ClientSampled :

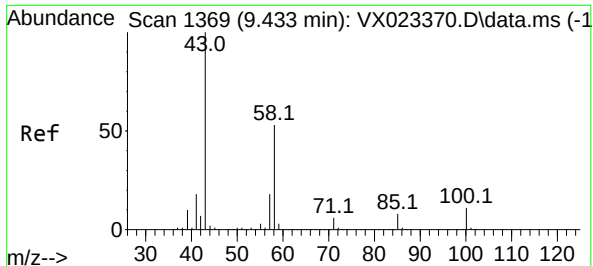
Tgt Ion: 75 Resp: 32773
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 37.6 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.404 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023720.D
 Acq: 14 Aug 2021 04:00

Tgt Ion: 76 Resp: 18922
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

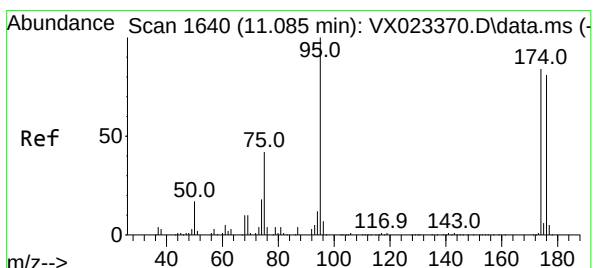
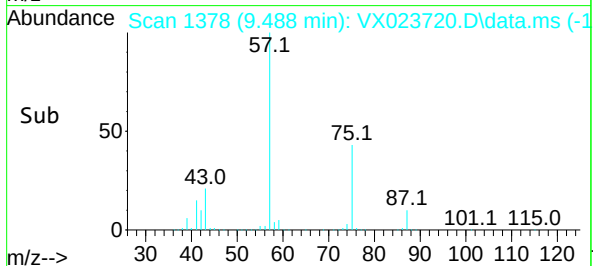
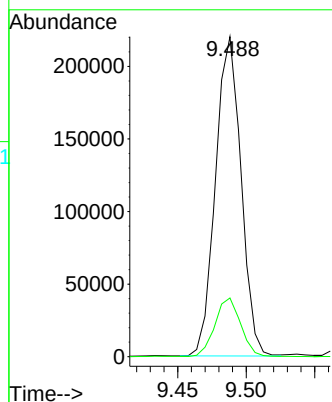
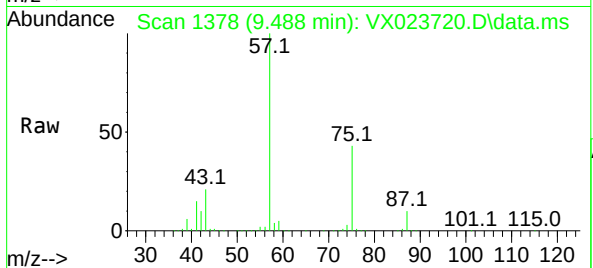




#59
2-Hexanone
Concen: 134.277 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

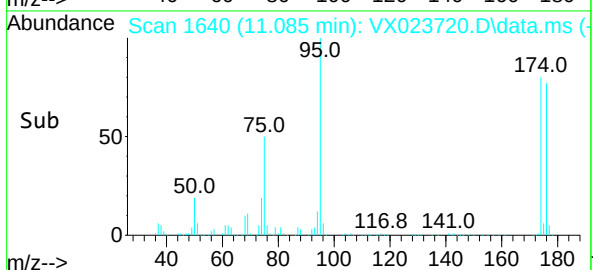
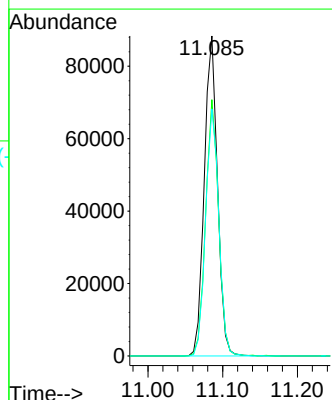
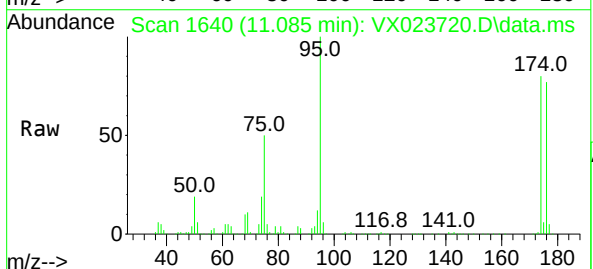
Instrument :
MSVOA_X
ClientSampled :

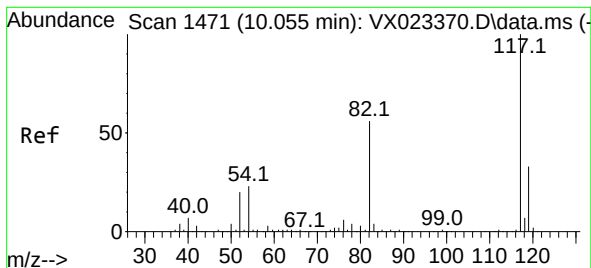
Tgt Ion: 43 Resp: 284866
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.746 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 95 Resp: 108498
Ion Ratio Lower Upper
95 100
174 78.5 0.0 154.6
176 77.3 0.0 155.8

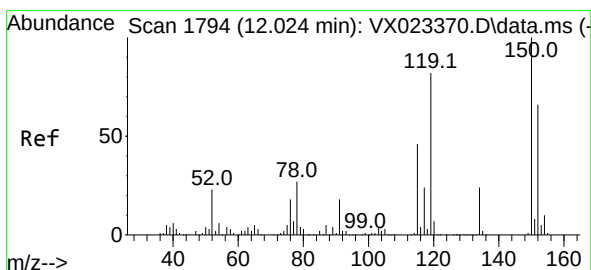
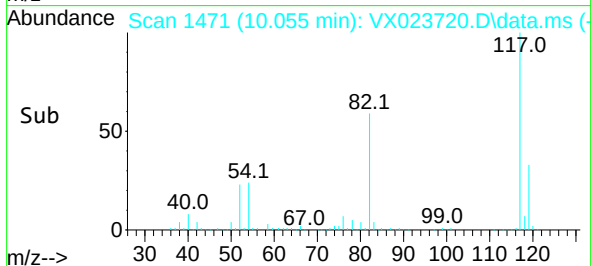
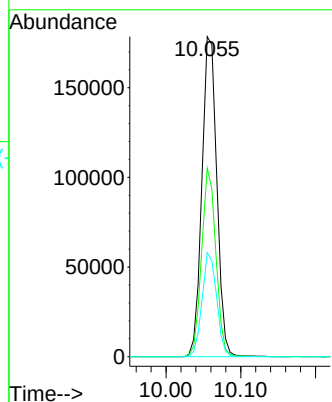
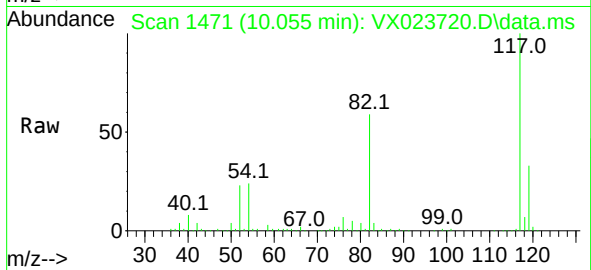




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

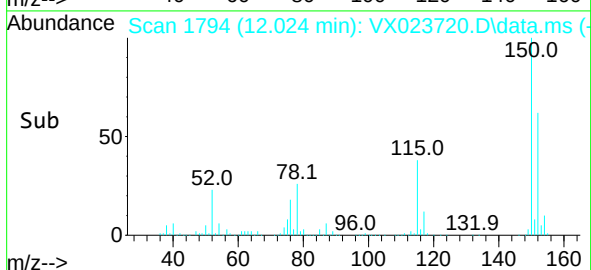
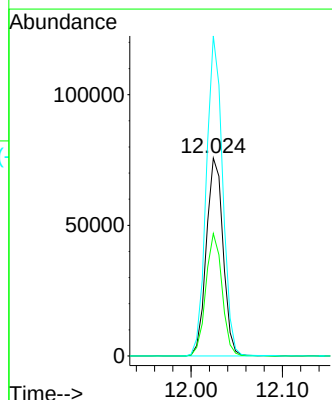
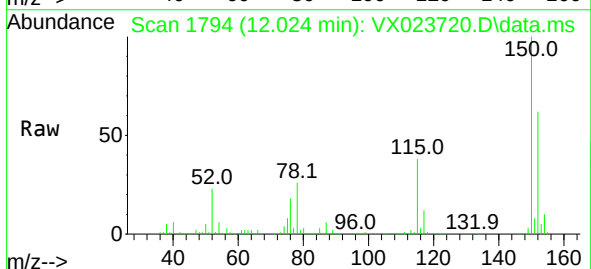
Instrument :
MSVOA_X
ClientSampled :

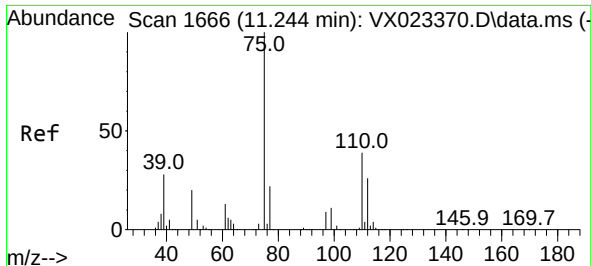
Tgt Ion:117 Resp: 247339
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion:152 Resp: 96295
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 157.2 0.0 349.0

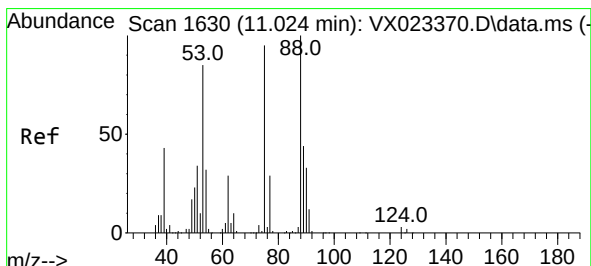
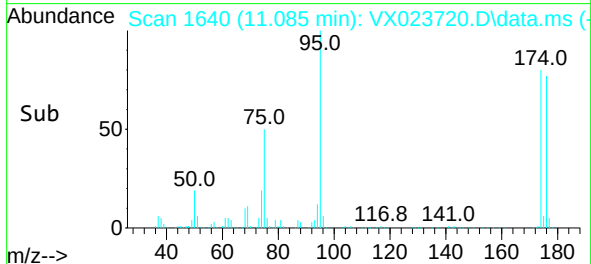
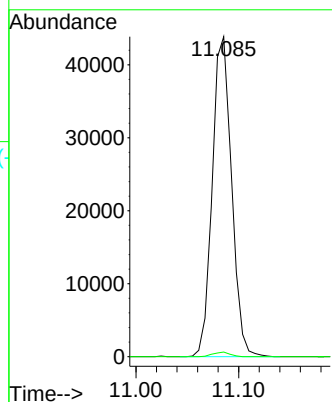
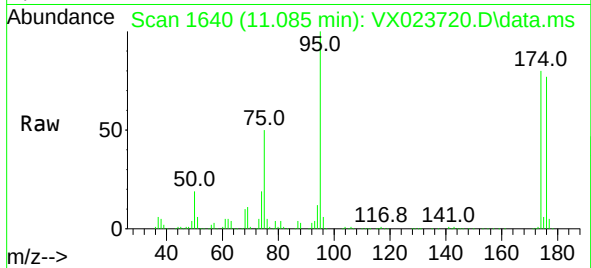




#76
1,2,3-Trichloropropane
Concen: 26.960 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 57129
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.492 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023720.D
Acq: 14 Aug 2021 04:00

Tgt Ion: 75 Resp: 57129
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

