

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023749.D
 Acq On : 16 Aug 2021 19:32
 Operator : JC/MD
 Sample : M3408-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:20:15 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)

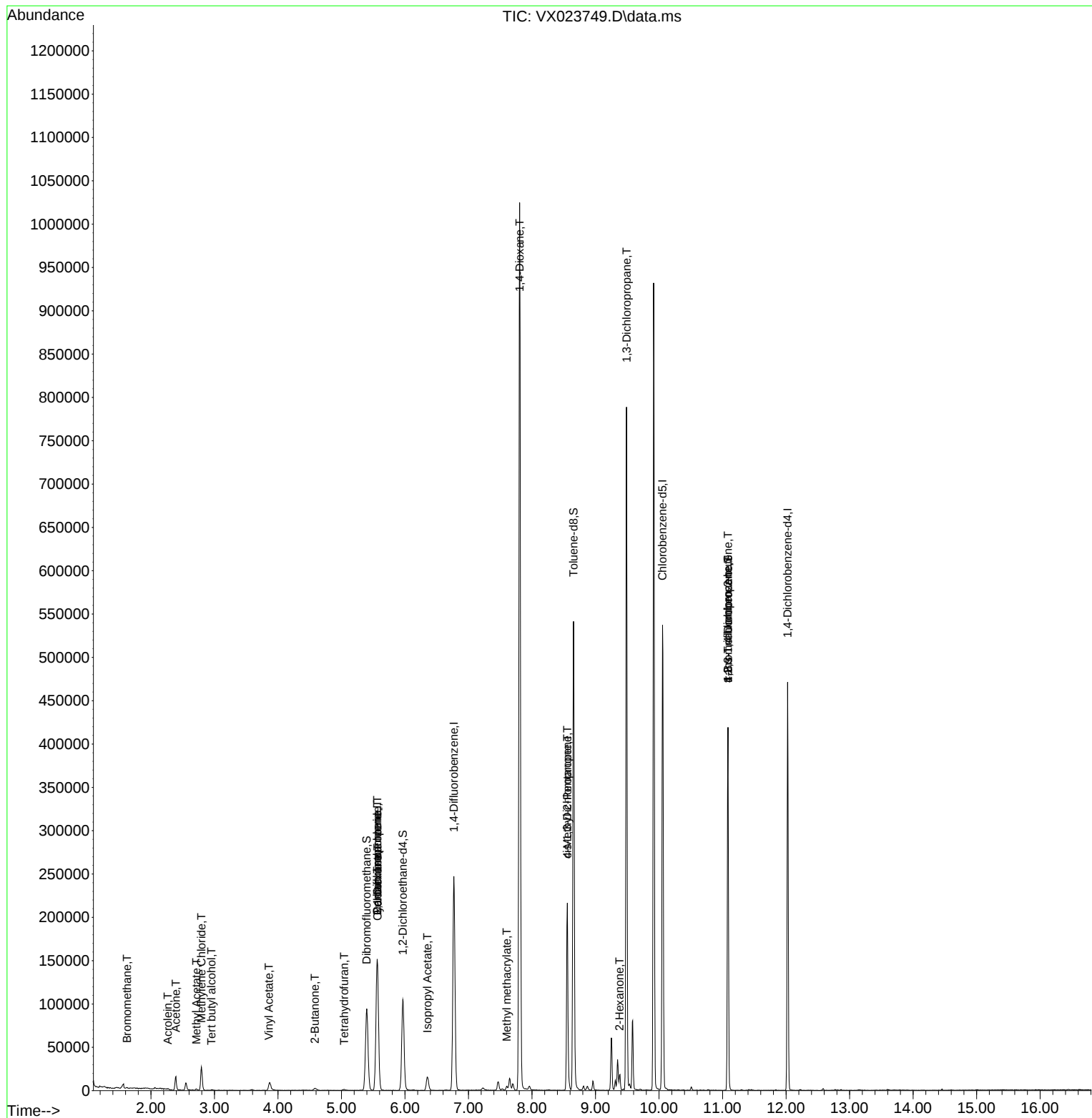
Internal Standards						
1) Pentafluorobenzene	5.562	168	142523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101526	57.106	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.220%			
35) Dibromofluoromethane	5.397	113	79034	51.604	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	8.653	98	309366	54.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.960%			
62) 4-Bromofluorobenzene	11.085	95	101386	52.988	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.980%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	465	0.507	ug/l #	78
11) Tert butyl alcohol	2.953	59	223	0.549	ug/l #	73
13) Acrolein	2.264	56	21	1.465	ug/l #	1
16) Acetone	2.392	43	16254	18.638	ug/l	90
18) Methyl Acetate	2.715	43	1846	0.890	ug/l	91
20) Methylene Chloride	2.794	84	11902	7.016	ug/l	93
23) Vinyl Acetate	3.855	43	1679	0.378	ug/l #	68
25) 2-Butanone	4.580	43	2871	2.120	ug/l #	80
29) Tetrahydrofuran	5.044	42	957	1.078	ug/l #	52
31) Cyclohexane	5.568	56	3348	1.271	ug/l #	46
36) 1,1-Dichloropropene	5.562	75	11070	4.996	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14711	6.528	ug/l #	17
43) Isopropyl Acetate	6.355	43	21600	4.989	ug/l #	93
48) Methyl methacrylate	7.604	41	6131	3.058	ug/l #	10
49) 1,4-Dioxane	7.805	88	190	4.450	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	74278	28.051	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	31841	12.022	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	6436	2.298	ug/l #	42
59) 2-Hexanone	9.378	43	11589	5.763	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	55184	27.301	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55184	73.410	ug/l #	12

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

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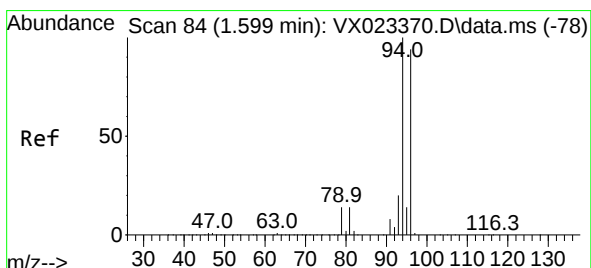
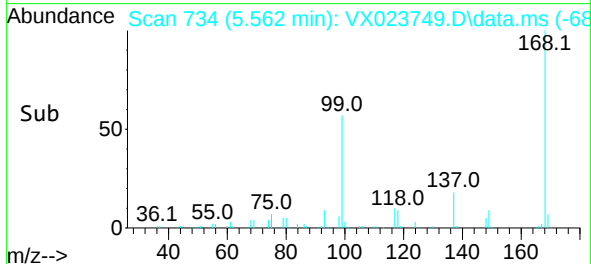
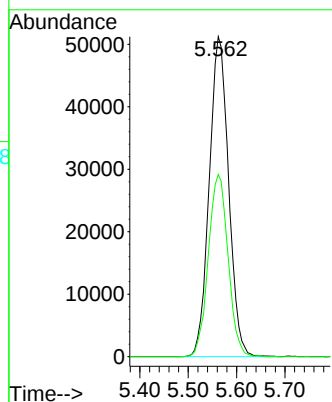
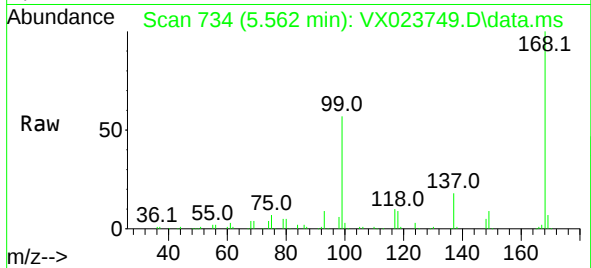




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

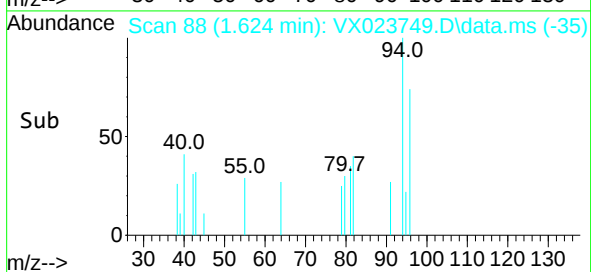
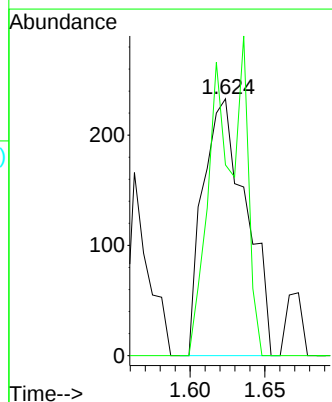
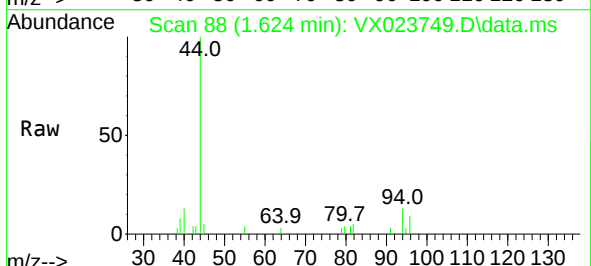
Instrument :
MSVOA_X
ClientSampled :

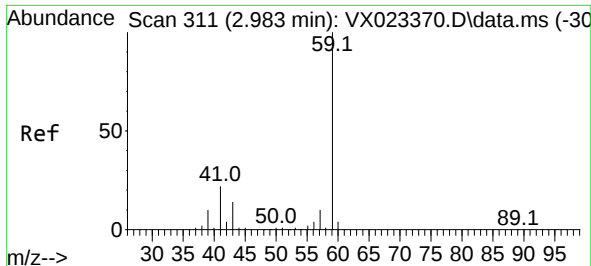
Tgt Ion:168 Resp: 142523
Ion Ratio Lower Upper
168 100
99 56.9 45.8 68.6



#5
Bromomethane
Concen: 0.507 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 74.2 76.4 114.6#



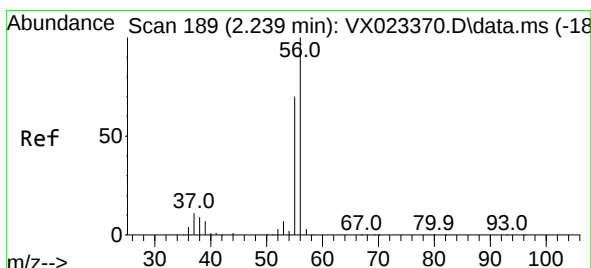
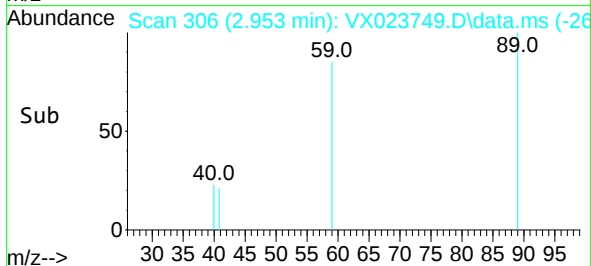
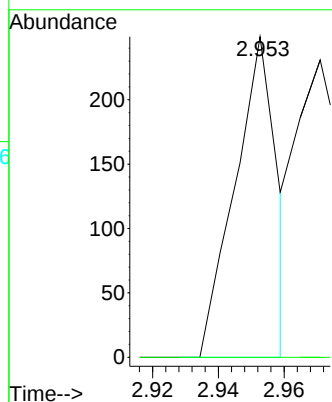
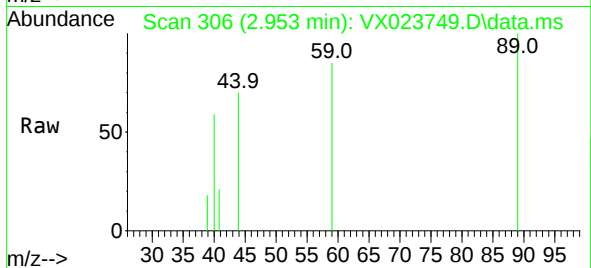


#11

Tert butyl alcohol
Concen: 0.549 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Instrument :
MSVOA_X
ClientSampled :

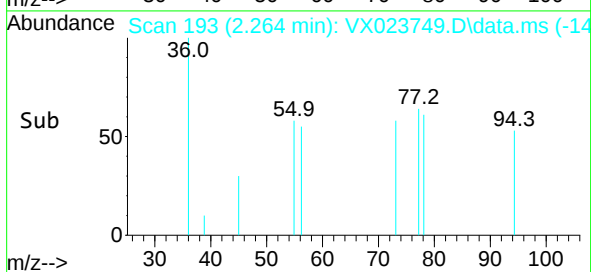
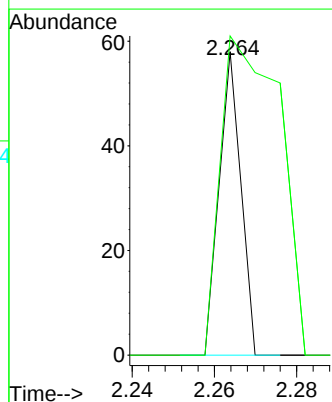
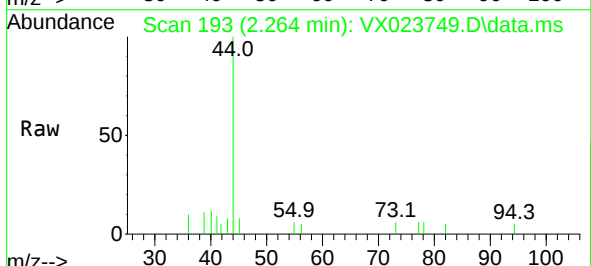
Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

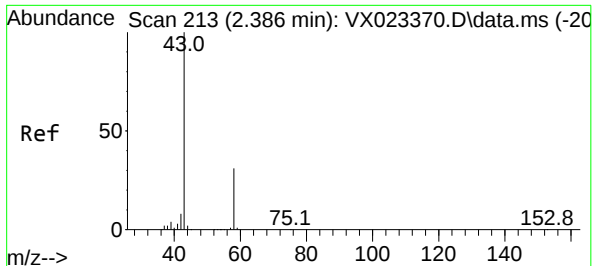


#13

Acrolein
Concen: 1.465 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 290.5 56.4 84.6#

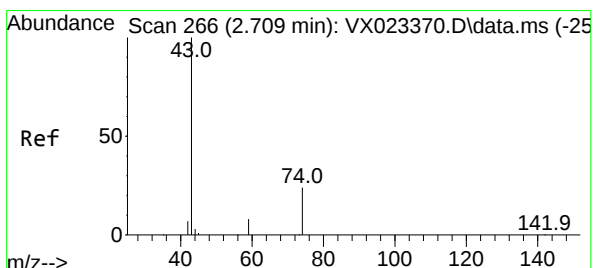
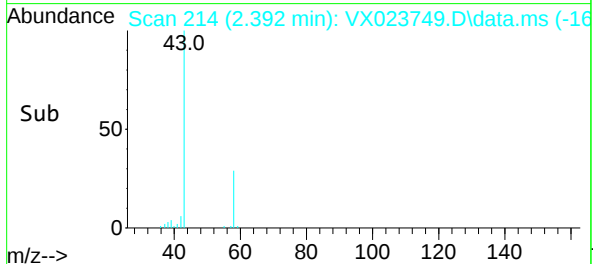
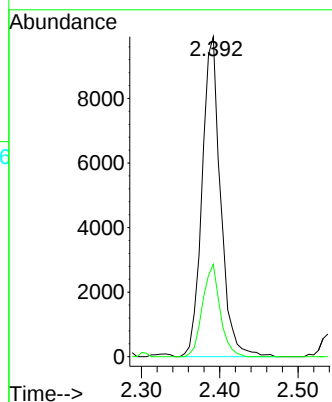
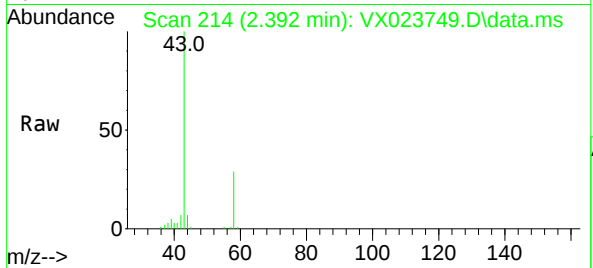




#16
Acetone
Concen: 18.638 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

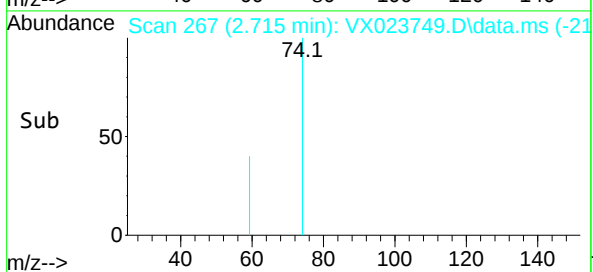
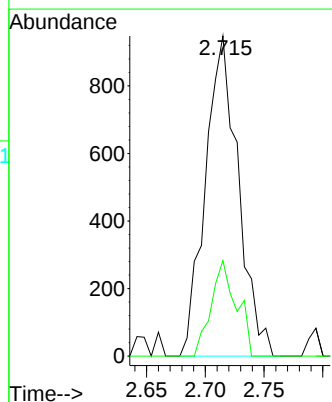
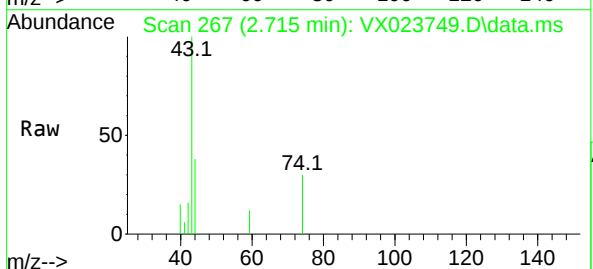
Instrument :
MSVOA_X
ClientSampled :

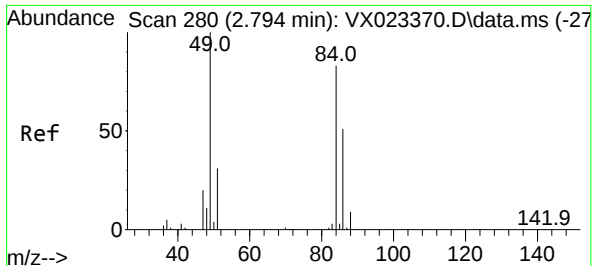
Tgt Ion: 43 Resp: 16254
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

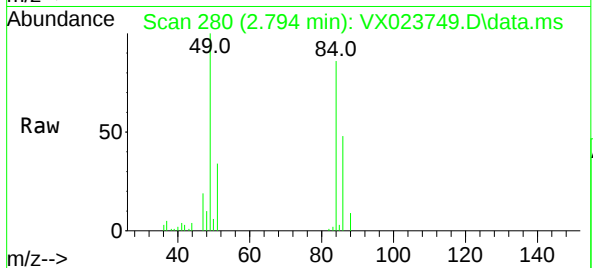
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
74 23.0 21.9 32.9



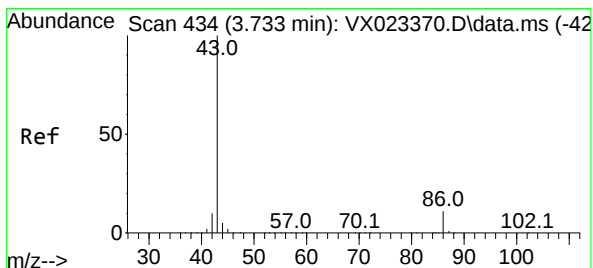
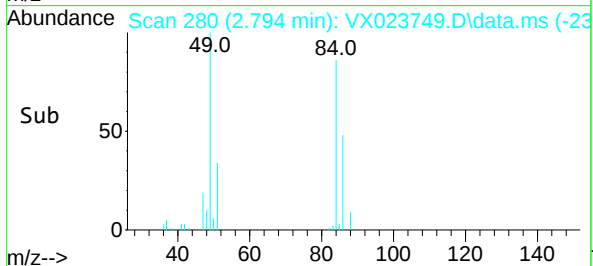
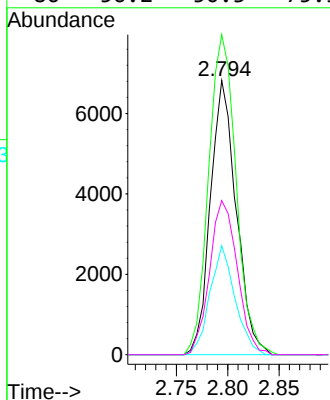


#20
Methylene Chloride
Concen: 7.016 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Instrument :
MSVOA_X
ClientSampleId :

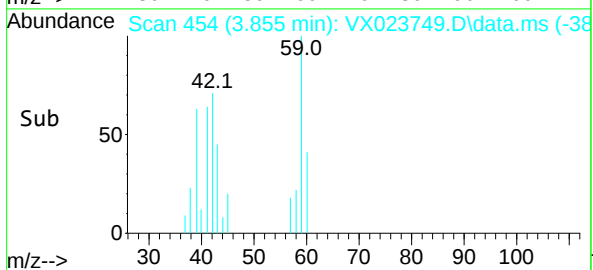
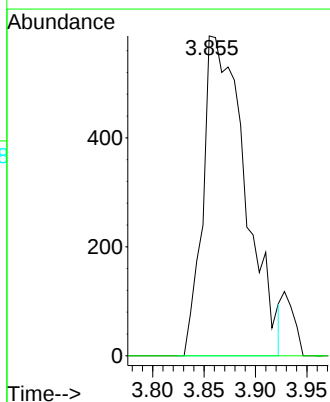
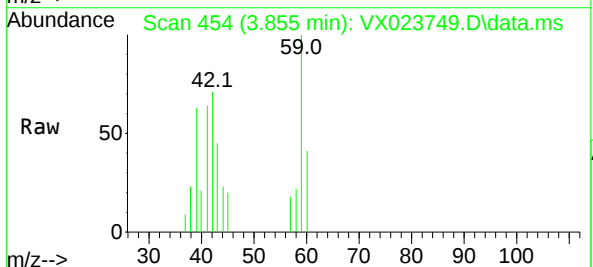


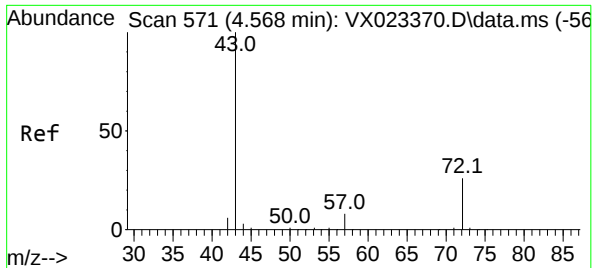
Tgt Ion:	84	Resp:	11902
Ion	Ratio	Lower	Upper
84	100		
49	116.7	88.6	132.8
51	39.8	27.0	40.6
86	56.2	50.3	75.5



#23
Vinyl Acetate
Concen: 0.378 ug/l
RT: 3.855 min Scan# 454
Delta R.T. 0.122 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion:	43	Resp:	1679
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#

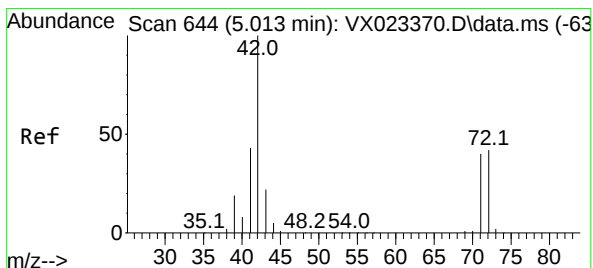
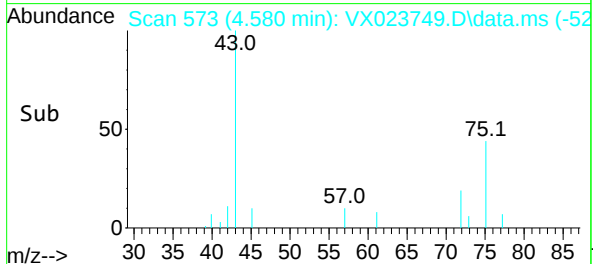
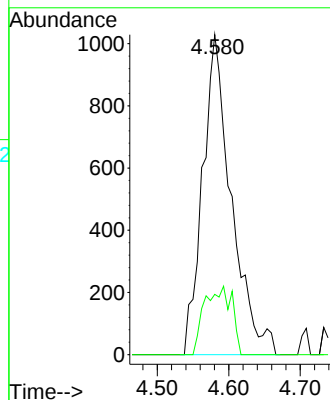
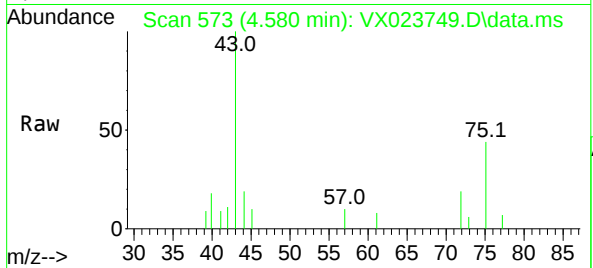




#25
2-Butanone
Concen: 2.120 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

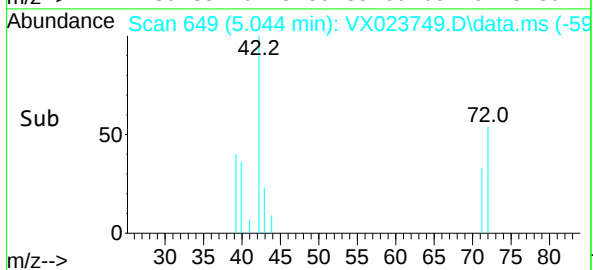
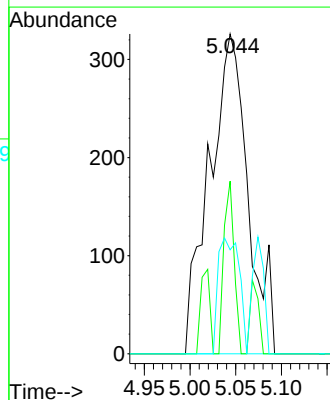
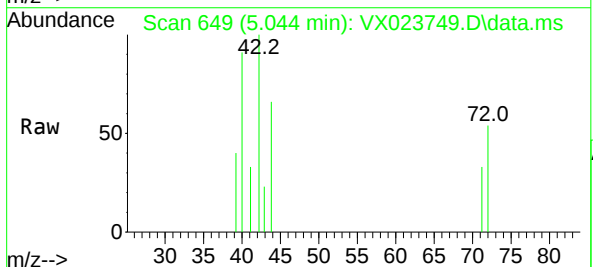
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MSVOA_X
ClientSampleId :

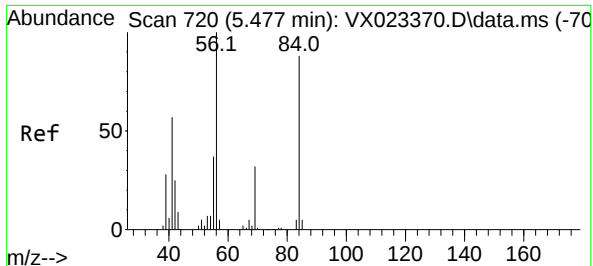
Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
72 18.9 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.078 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 42 Resp: 957
Ion Ratio Lower Upper
42 100
72 14.4 41.7 62.5#
71 19.7 38.4 57.6#

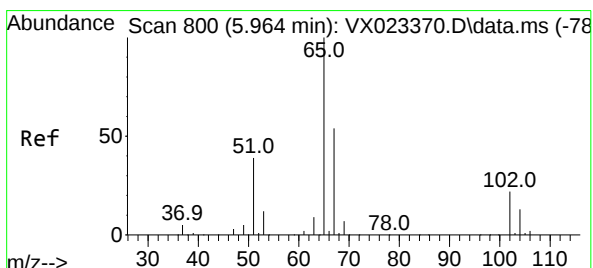
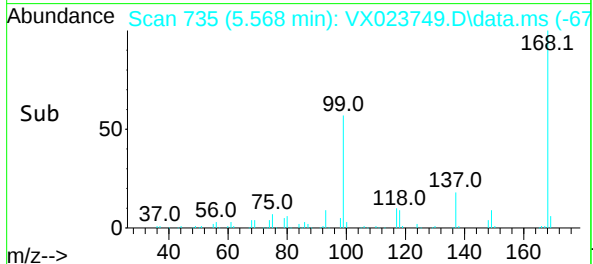
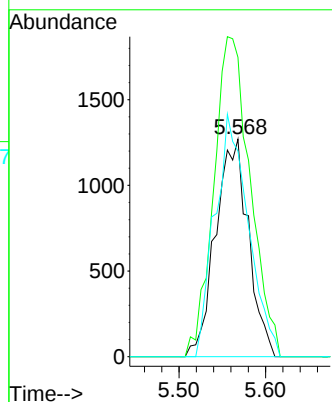
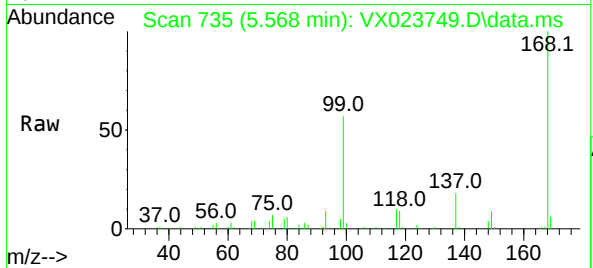




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

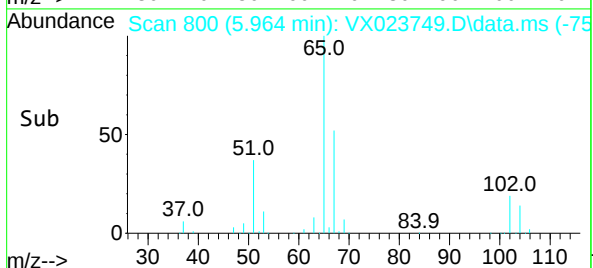
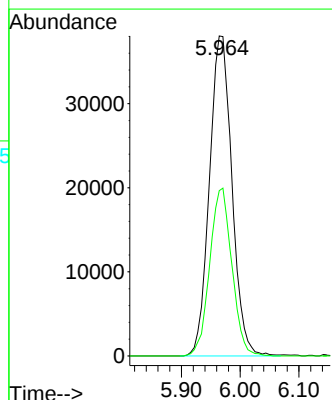
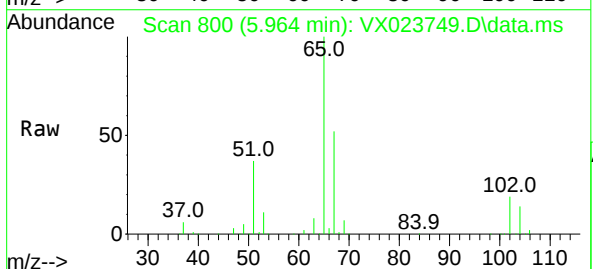
Instrument :
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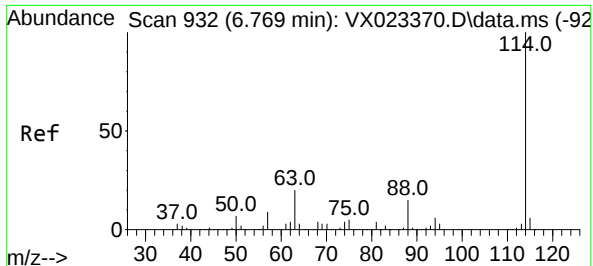
Tgt Ion: 56 Resp: 3348
Ion Ratio Lower Upper
56 100
69 137.7 25.3 37.9#
84 94.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 57.106 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 65 Resp: 101526
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

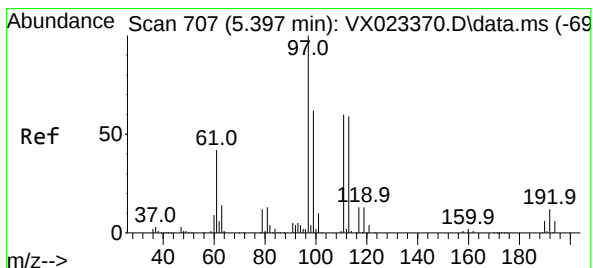
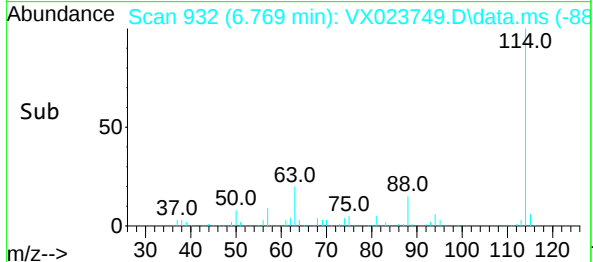
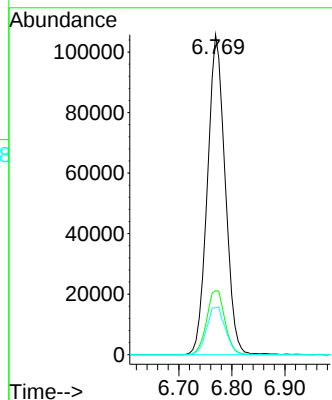
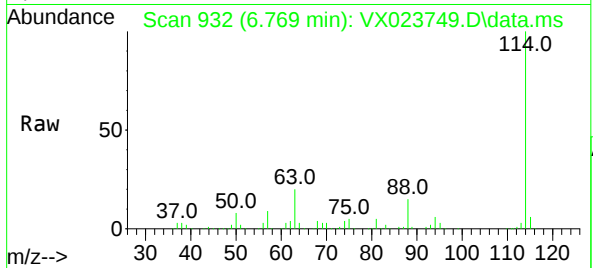




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

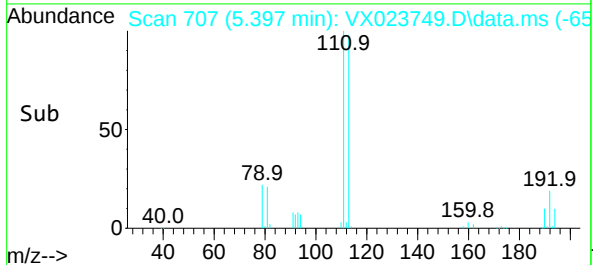
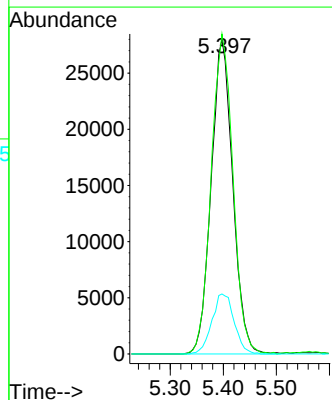
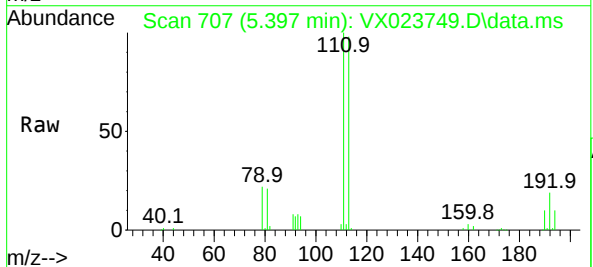
Instrument :
MSVOA_X
ClientSampled :

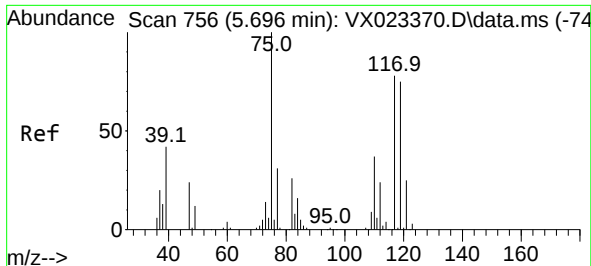
Tgt Ion:114	Resp: 244951
Ion Ratio	Lower Upper
114 100	
63 20.0	0.0 40.8
88 14.6	0.0 32.8



#35
Dibromofluoromethane
Concen: 51.604 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion:113	Resp: 79034
Ion Ratio	Lower Upper
113 100	
111 102.9	81.9 122.9
192 19.6	16.7 25.1

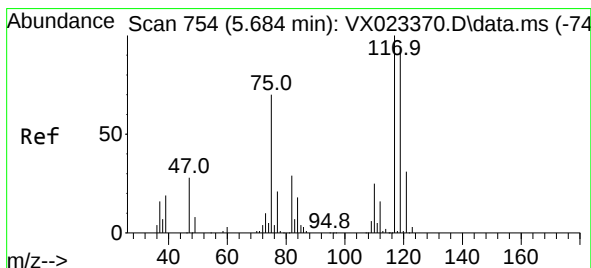
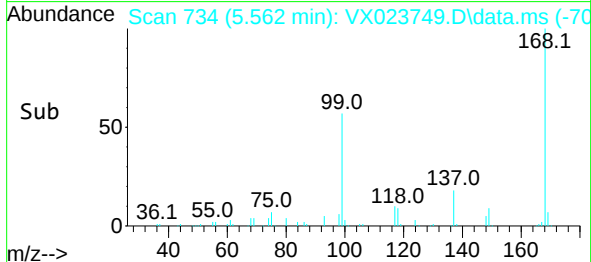
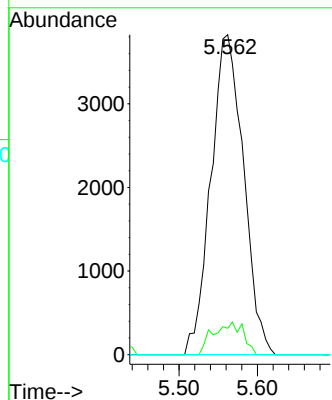
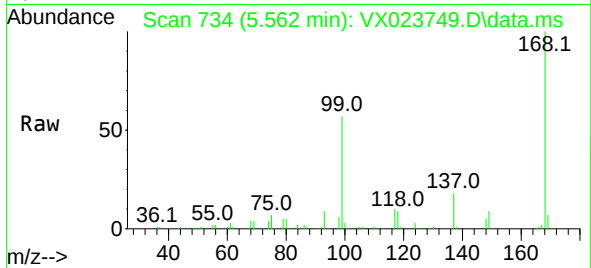




#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

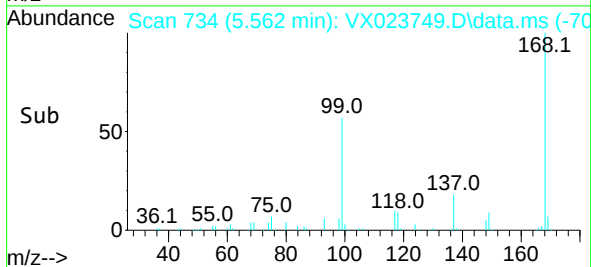
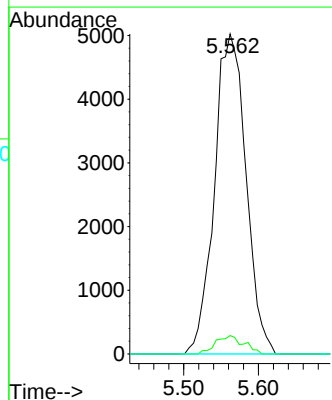
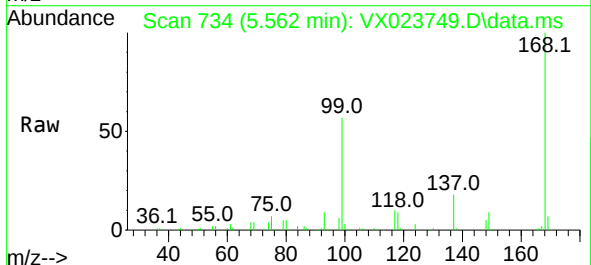
Instrument :
MSVOA_X
ClientSampleId :

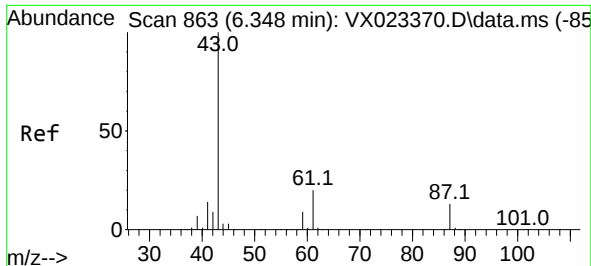
Tgt Ion: 75 Resp: 11070
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.528 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 117 Resp: 14711
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#

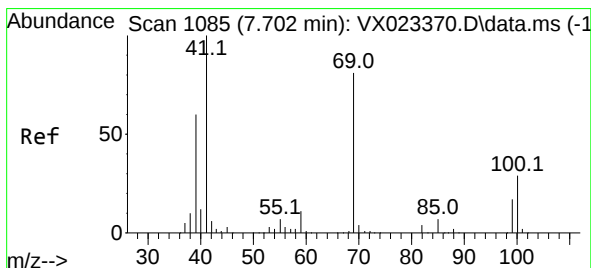
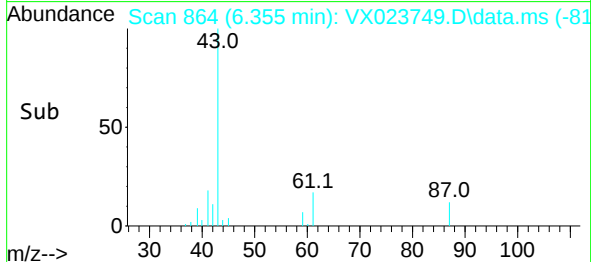
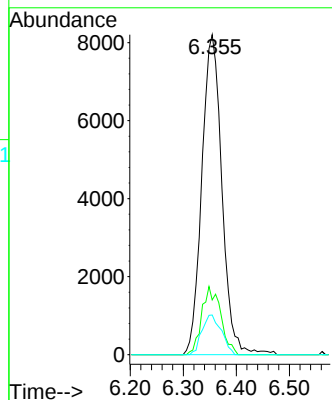
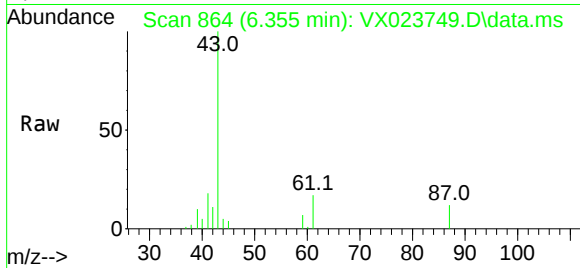




#43
Isopropyl Acetate
Concen: 4.989 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

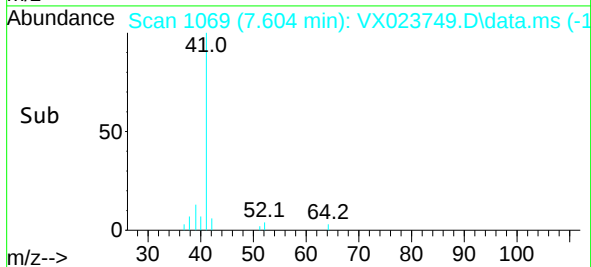
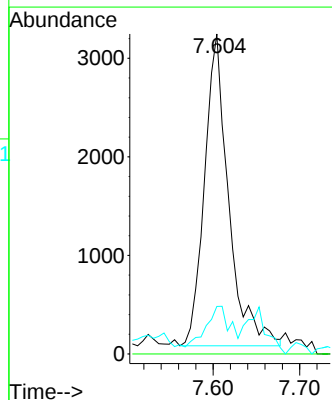
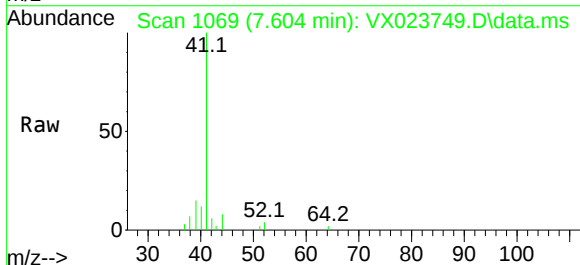
Instrument :
MSVOA_X
ClientSampled :

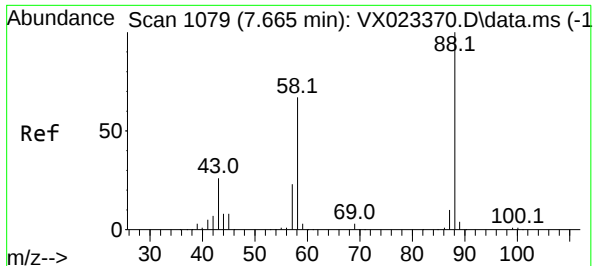
Tgt Ion:	43	Resp:	21600
Ion Ratio	Lower	Upper	
43	100		
61	20.0	18.2	27.4
87	12.0	12.5	18.7#



#48
Methyl methacrylate
Concen: 3.058 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion:	41	Resp:	6131
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: 4.450 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023749.D

Acq: 16 Aug 2021 19:32

Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

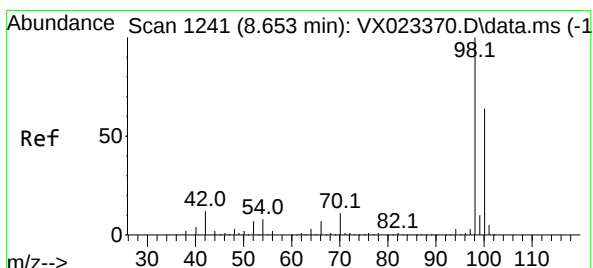
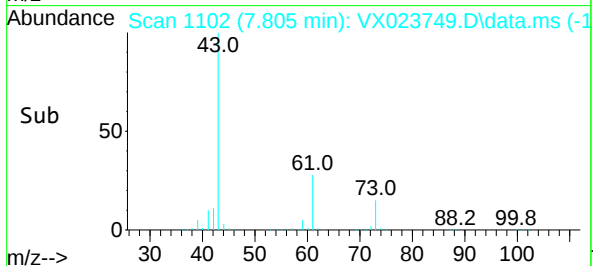
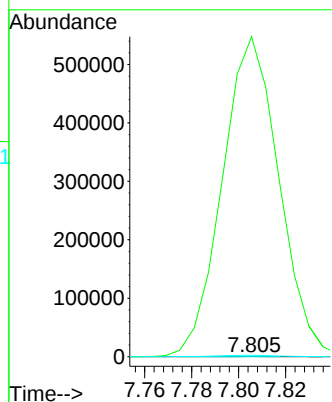
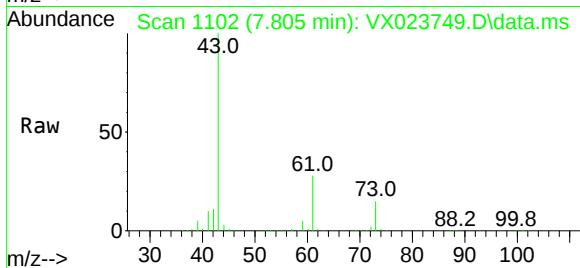
43 486771.6 23.2 34.8#

58 2292.6 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :



#50

Toluene-d8

Concen: 54.980 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023749.D

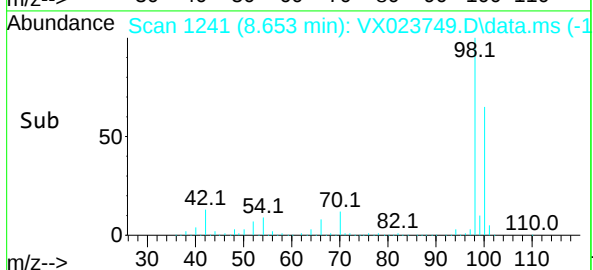
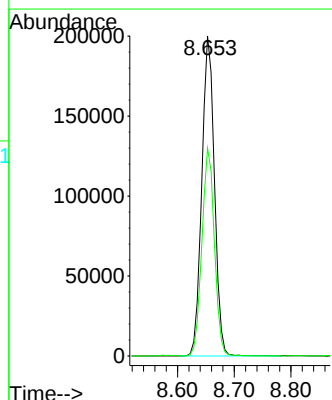
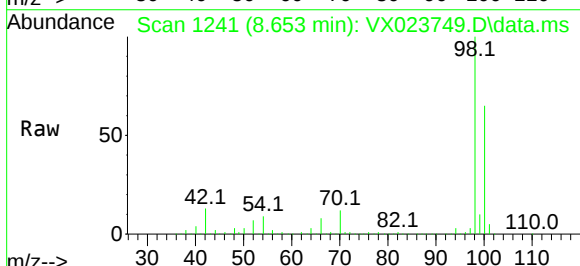
Acq: 16 Aug 2021 19:32

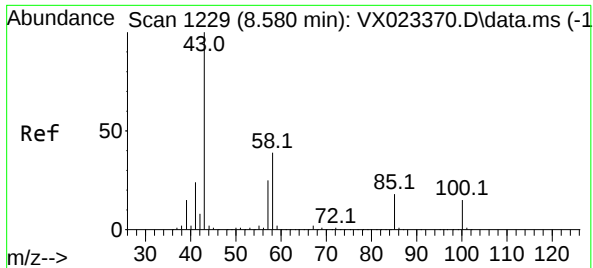
Tgt Ion: 98 Resp: 309366

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

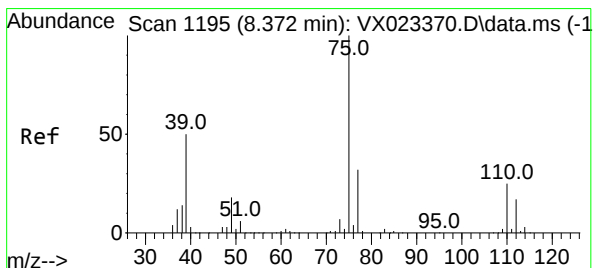
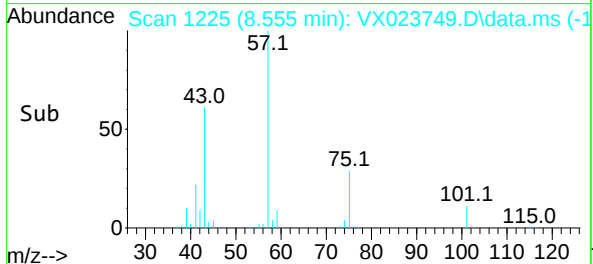
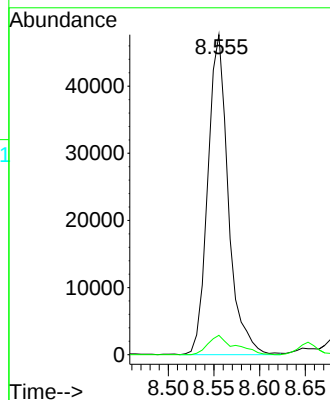
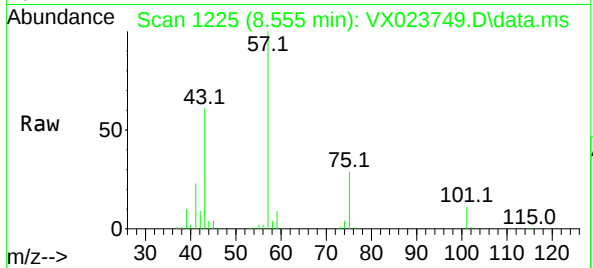




#51
4-Methyl-2-Pentanone
Concen: 28.051 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

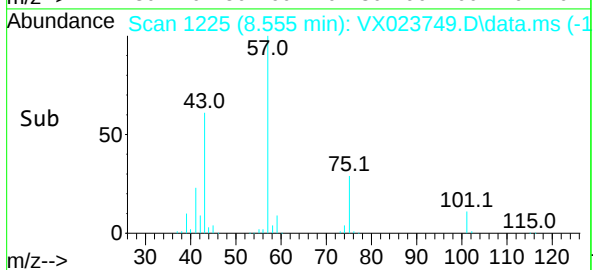
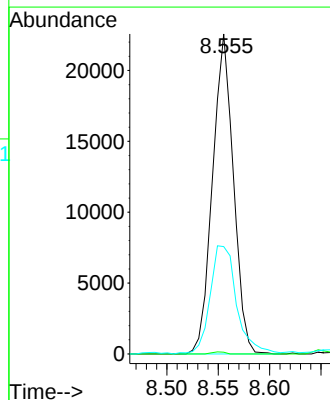
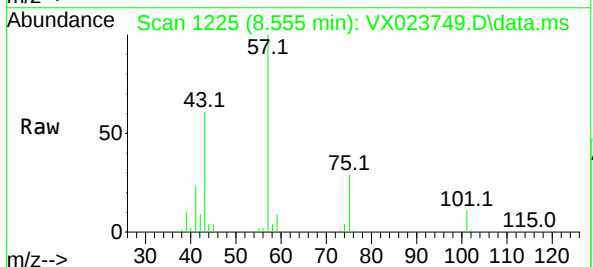
Instrument :
MSVOA_X
ClientSampled :

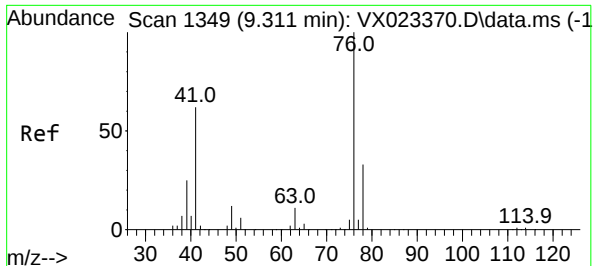
Tgt Ion: 43 Resp: 74278
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.022 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 75 Resp: 31841
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 33.1 35.1 52.7#



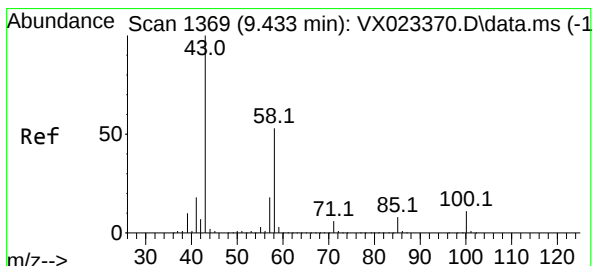
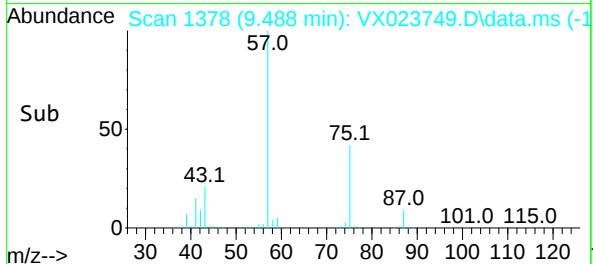
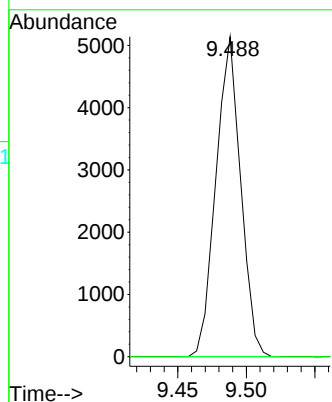
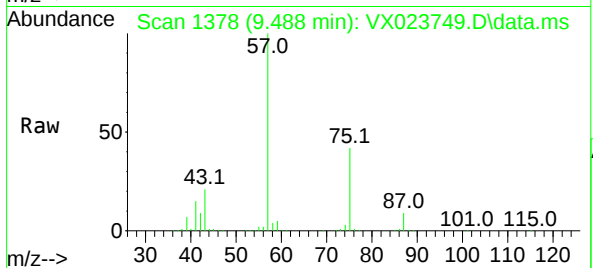


#57

1,3-Dichloropropane
Concen: 2.298 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Instrument :
MSVOA_X
ClientSampleId :

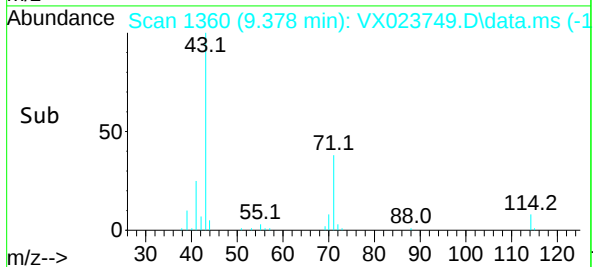
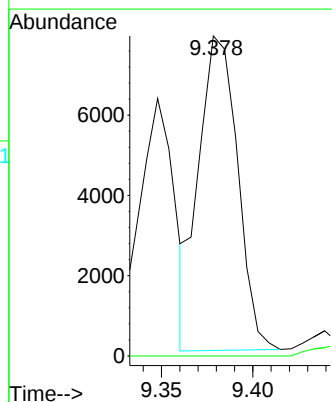
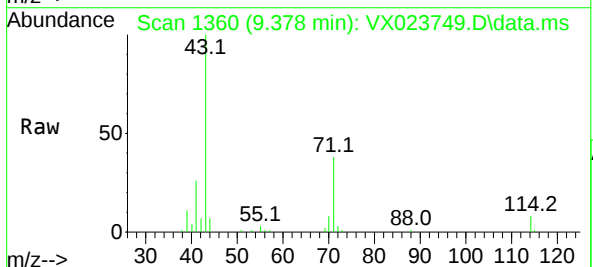
Tgt Ion: 76 Resp: 6436
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

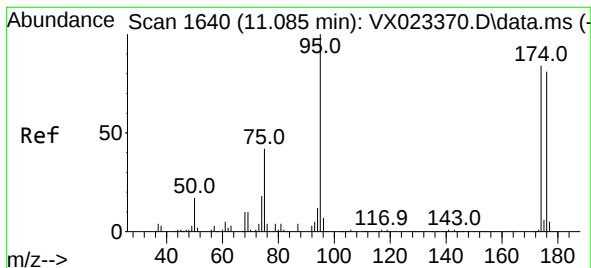


#59

2-Hexanone
Concen: 5.763 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 43 Resp: 11589
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

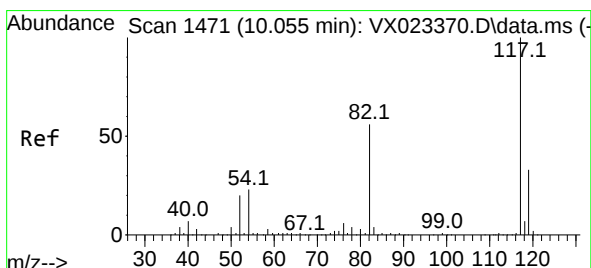
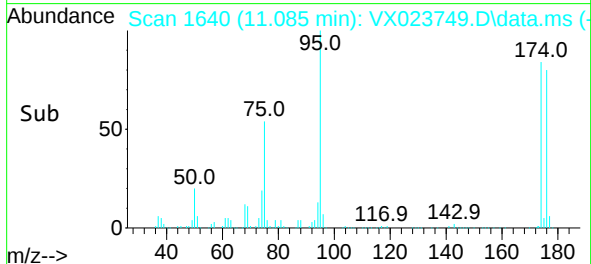
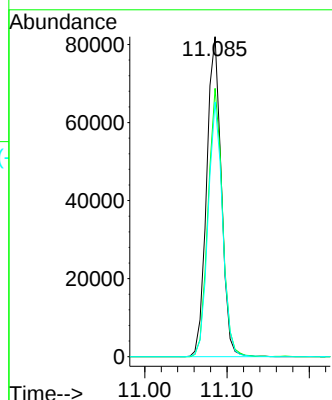
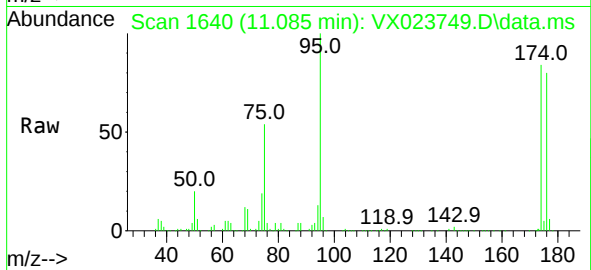




#62
4-Bromofluorobenzene
Concen: 52.988 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

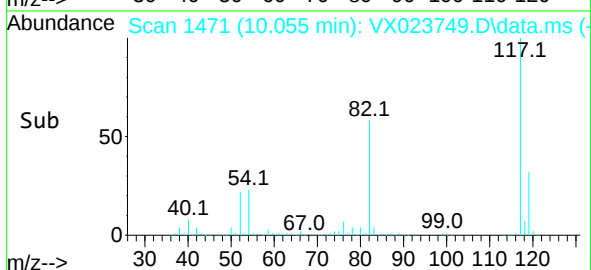
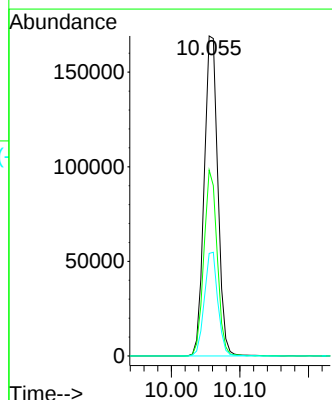
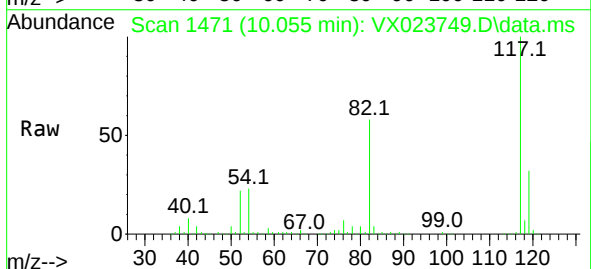
Instrument :
MSVOA_X
ClientSampleId :

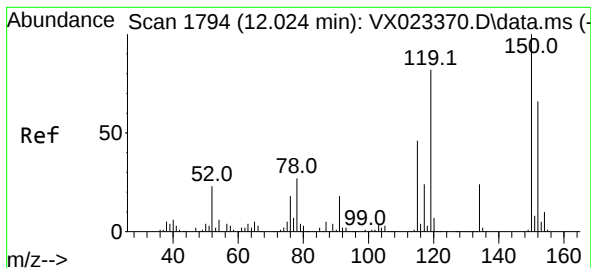
Tgt Ion: 95 Resp: 101386
Ion Ratio Lower Upper
95 100
174 82.7 0.0 154.6
176 78.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023749.D
Acq: 16 Aug 2021 19:32

Tgt Ion: 117 Resp: 234990
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.1 26.6 39.8

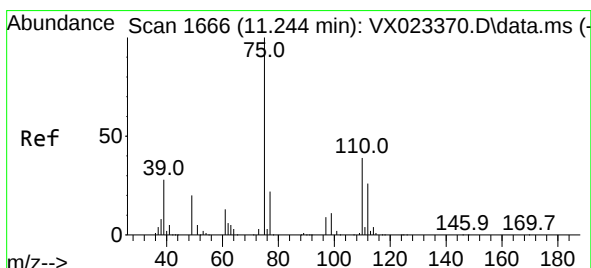
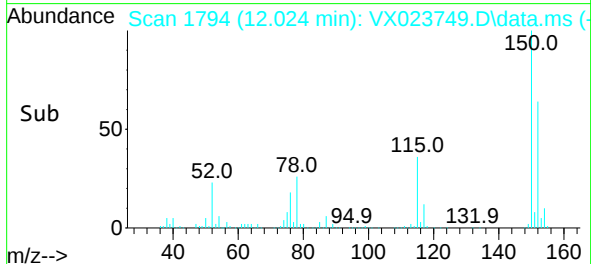
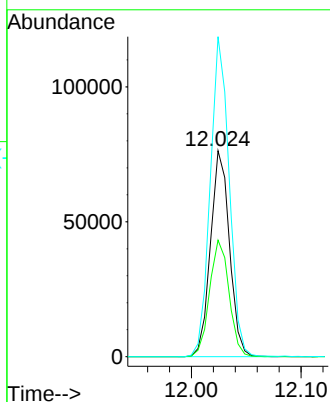
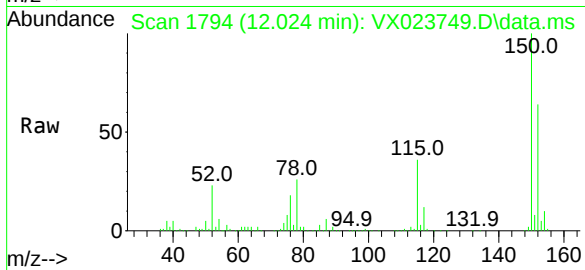




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023749.D
 Acq: 16 Aug 2021 19:32

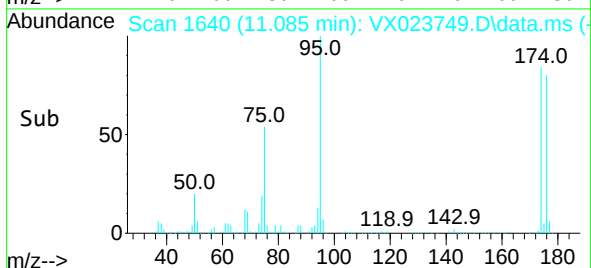
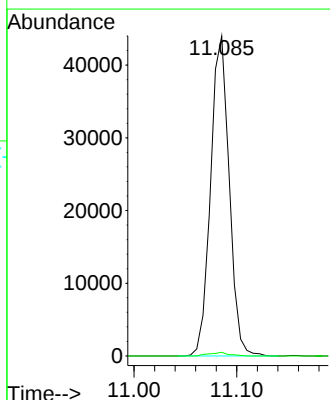
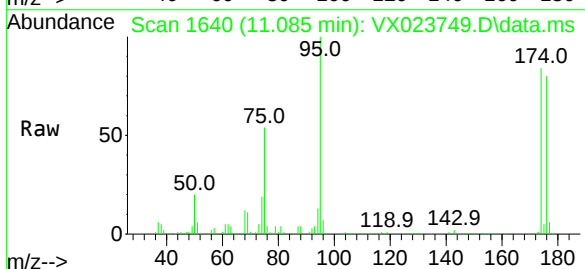
Instrument :
 MSVOA_X
 ClientSampled :

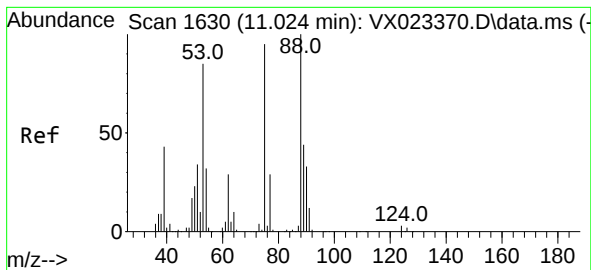
Tgt Ion:152 Resp: 91853
 Ion Ratio Lower Upper
 152 100
 115 58.1 41.1 123.3
 150 154.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.301 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023749.D
 Acq: 16 Aug 2021 19:32

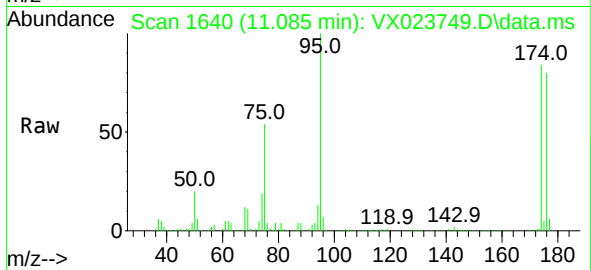
Tgt Ion: 75 Resp: 55184
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.410 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023749.D
 Acq: 16 Aug 2021 19:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	55184
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

