

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023748.D
 Acq On : 16 Aug 2021 19:09
 Operator : JC/MD
 Sample : M3407-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:19:59 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

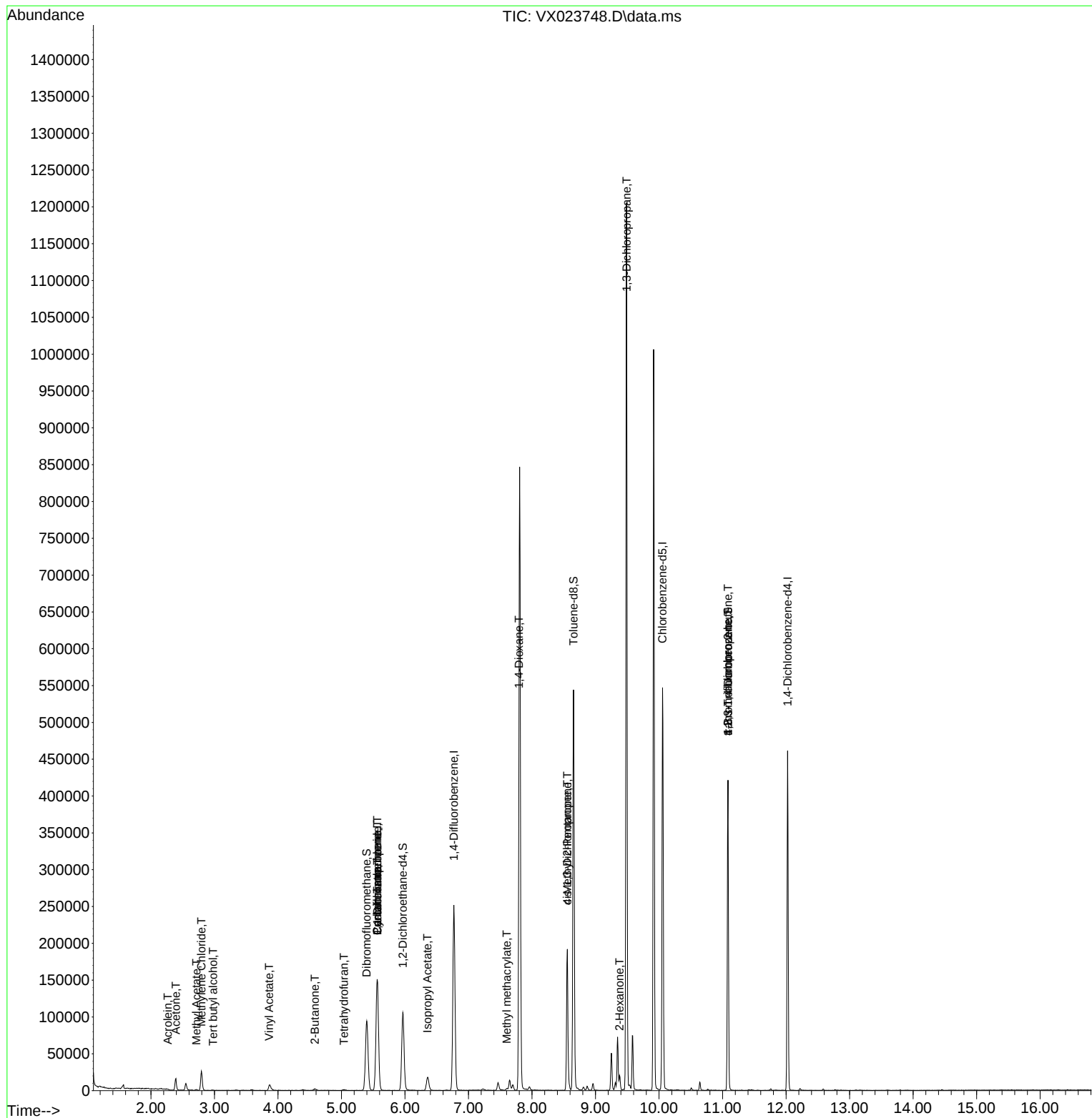
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

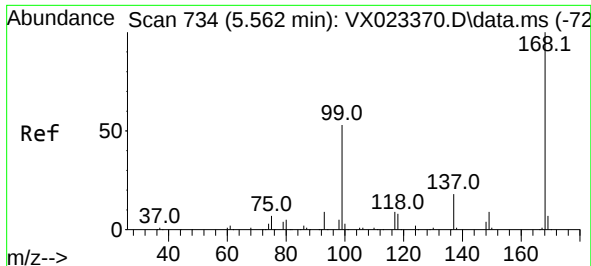
Internal Standards						
1) Pentafluorobenzene	5.562	168	143236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	250800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103732	58.056	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.120%
35) Dibromofluoromethane	5.397	113	80617	51.410	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.820%
50) Toluene-d8	8.653	98	311327	54.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.080%
62) 4-Bromofluorobenzene	11.085	95	103377	52.768	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	377	0.924	ug/l #	73
13) Acrolein	2.264	56	20	1.460	ug/l #	1
16) Acetone	2.392	43	16756	19.118	ug/l	95
18) Methyl Acetate	2.715	43	1384	0.664	ug/l #	83
20) Methylene Chloride	2.794	84	11088	6.504	ug/l #	87
23) Vinyl Acetate	3.861	43	1389	0.312	ug/l #	68
25) 2-Butanone	4.581	43	3002	2.206	ug/l #	85
29) Tetrahydrofuran	5.038	42	853	0.956	ug/l #	68
31) Cyclohexane	5.562	56	3351	1.266	ug/l #	12
36) 1,1-Dichloropropene	5.562	75	11473	5.057	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13847	6.001	ug/l #	18
43) Isopropyl Acetate	6.355	43	21630	4.880	ug/l #	88
48) Methyl methacrylate	7.604	41	4145	2.019	ug/l #	10
49) 1,4-Dioxane	7.793	88	24	0.549	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	68107	25.121	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	27393	10.102	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	9498	3.312	ug/l #	42
59) 2-Hexanone	9.378	43	10799	5.245	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	54820	27.409	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54820	73.700	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

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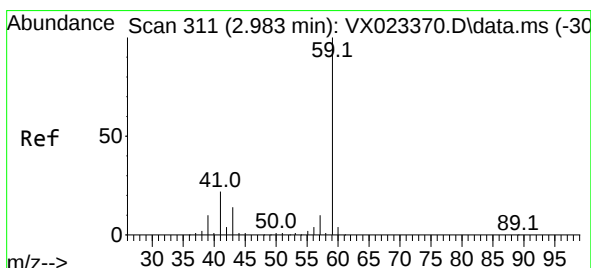
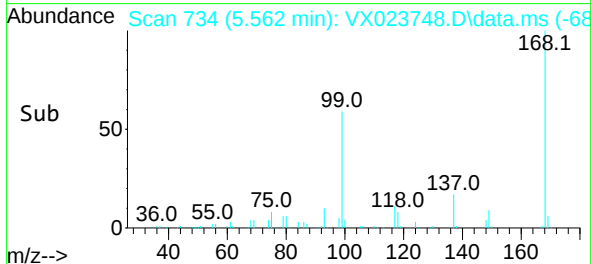
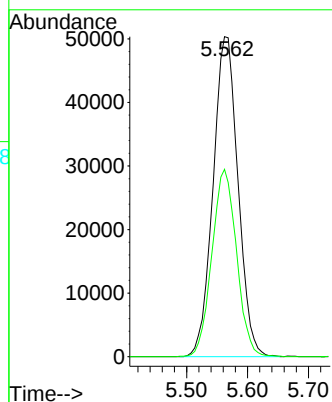
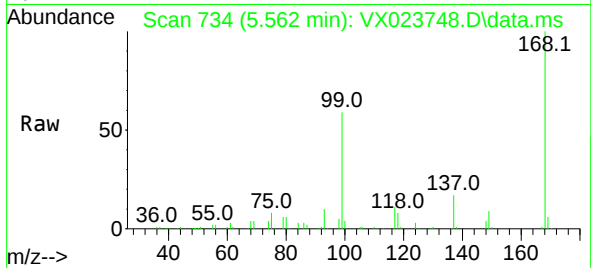




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

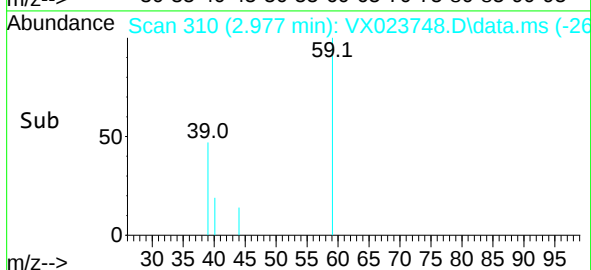
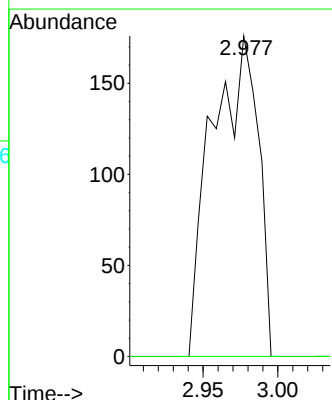
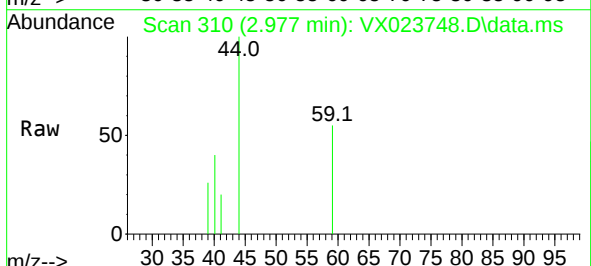
Instrument :
MSVOA_X
ClientSampled :

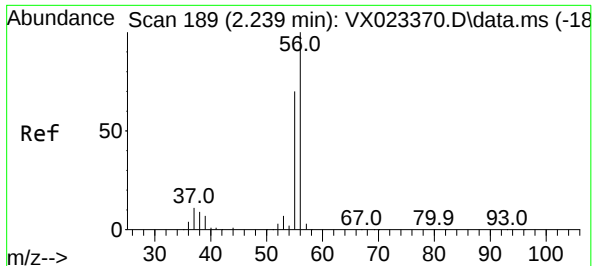
Tgt Ion:168 Resp: 143236
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#11
Tert butyl alcohol
Concen: 0.924 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

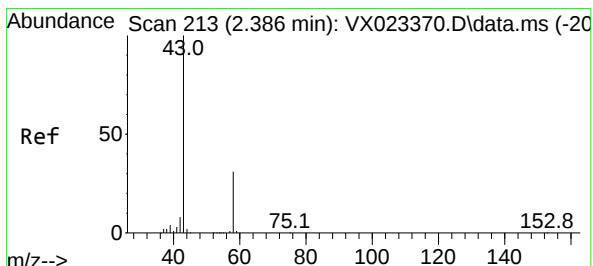
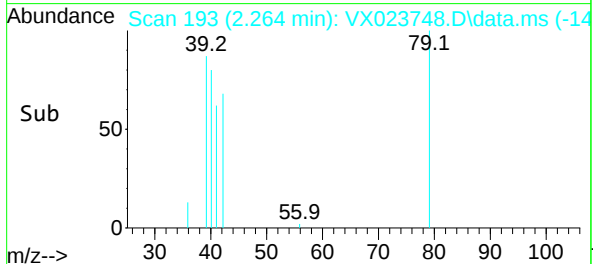
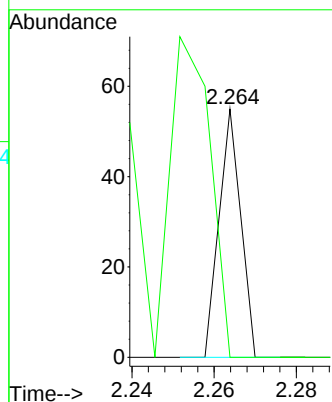
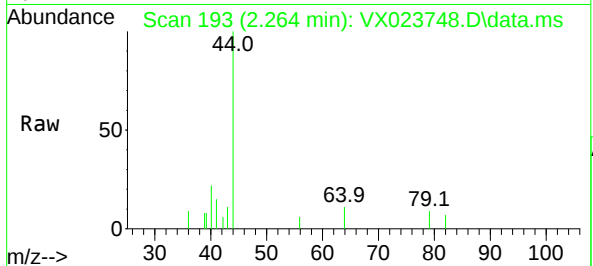




#13
Acrolein
Concen: 1.460 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

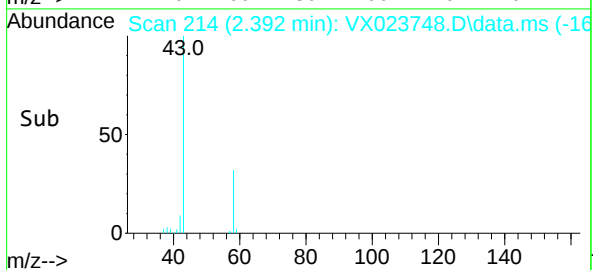
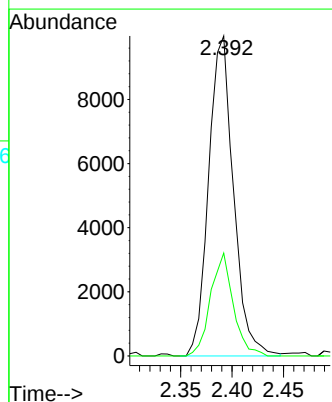
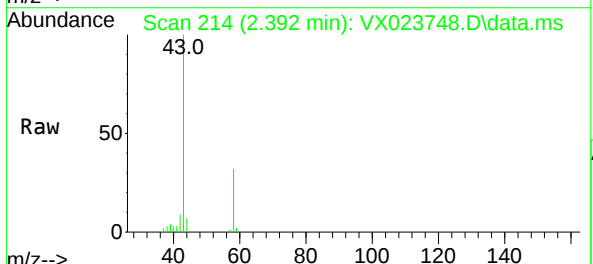
Instrument :
MSVOA_X
ClientSampled :

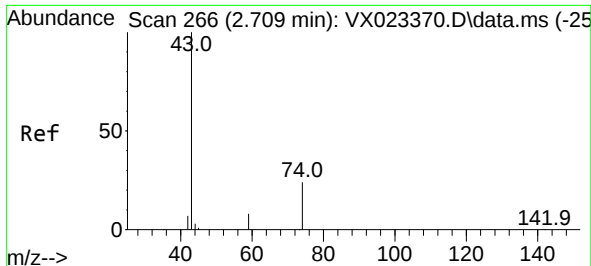
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 240.0 56.4 84.6#



#16
Acetone
Concen: 19.118 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 43 Resp: 16756
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8

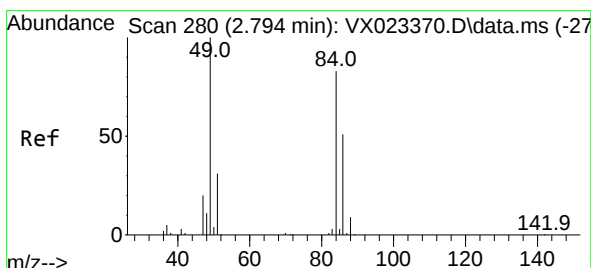
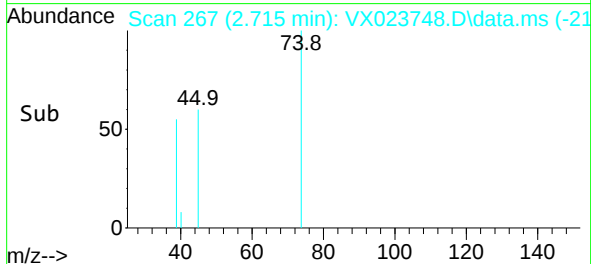
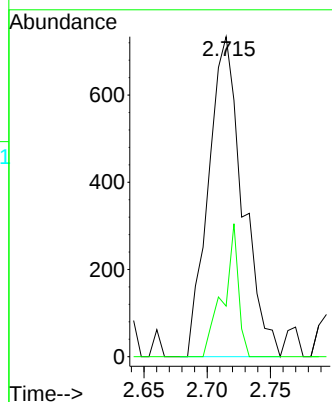
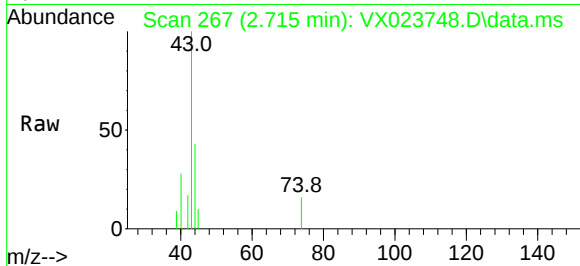




#18
Methyl Acetate
Concen: 0.664 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

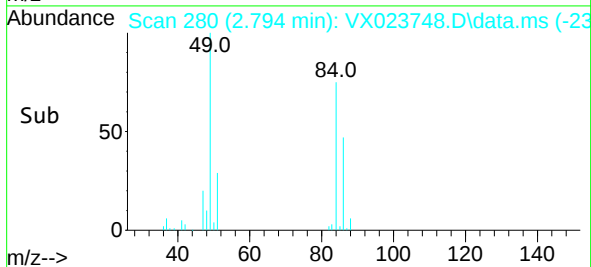
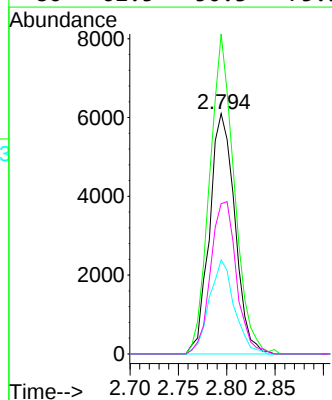
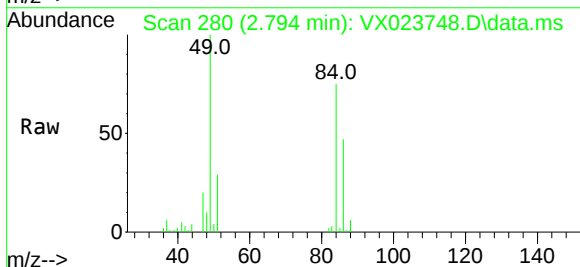
Instrument :
MSVOA_X
ClientSampled :

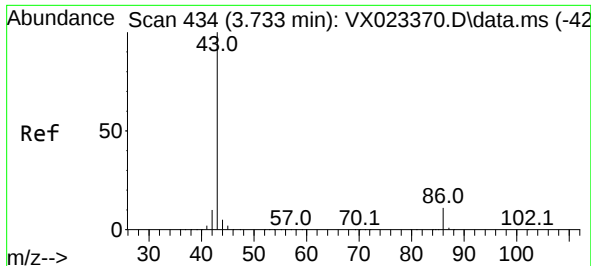
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
74 18.3 21.9 32.9#



#20
Methylene Chloride
Concen: 6.504 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 84 Resp: 11088
Ion Ratio Lower Upper
84 100
49 133.2 88.6 132.8#
51 39.1 27.0 40.6
86 62.5 50.3 75.5

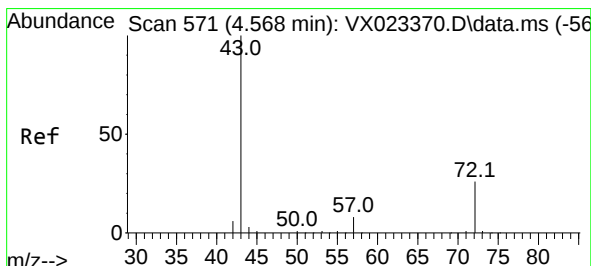
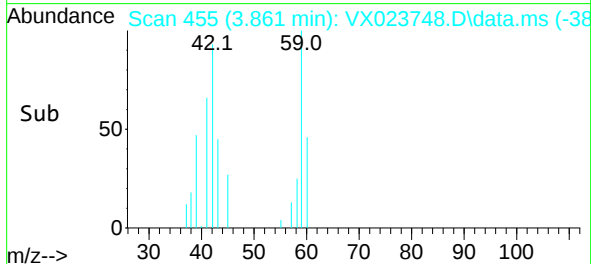
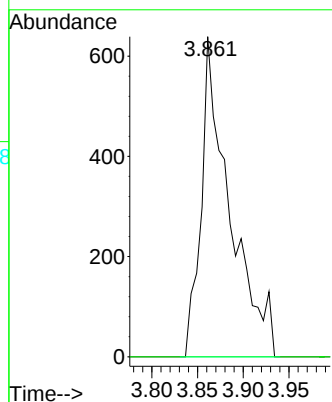
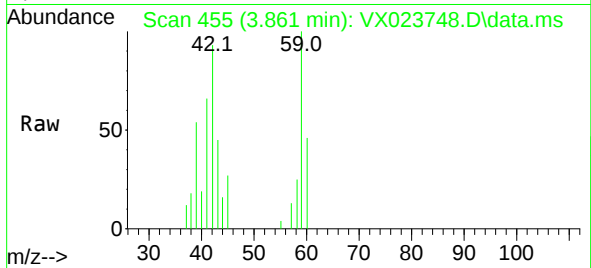




#23
 Vinyl Acetate
 Concen: 0.312 ug/l
 RT: 3.861 min Scan# 455
 Delta R.T. 0.128 min
 Lab File: VX023748.D
 Acq: 16 Aug 2021 19:09

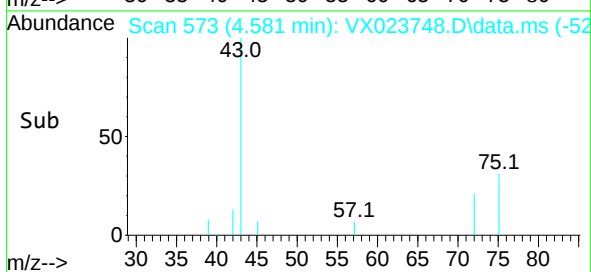
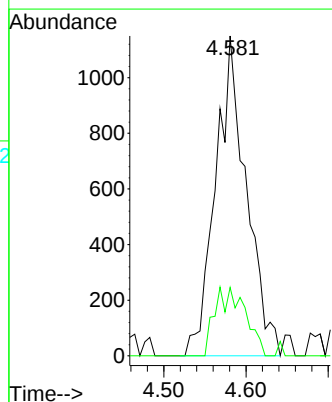
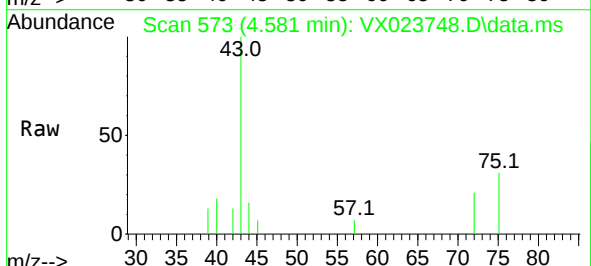
Instrument :
 MSVOA_X
 ClientSampled :

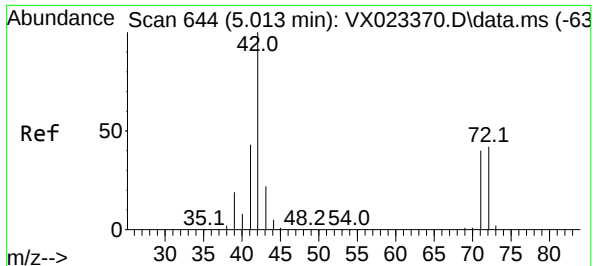
Tgt Ion: 43 Resp: 1389
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 2.206 ug/l
 RT: 4.581 min Scan# 573
 Delta R.T. 0.013 min
 Lab File: VX023748.D
 Acq: 16 Aug 2021 19:09

Tgt Ion: 43 Resp: 3002
 Ion Ratio Lower Upper
 43 100
 72 21.4 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.956 ug/l

RT: 5.038 min Scan# 648

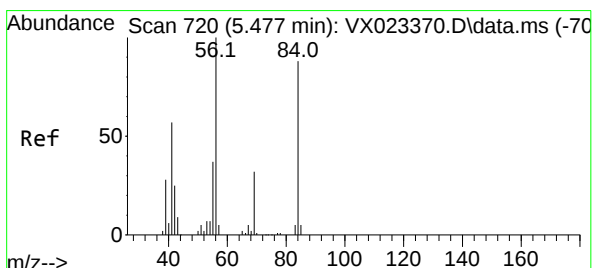
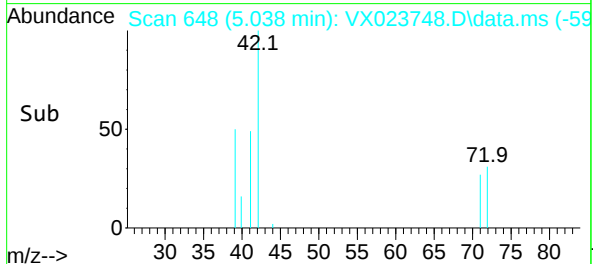
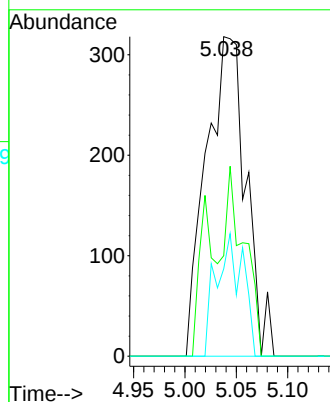
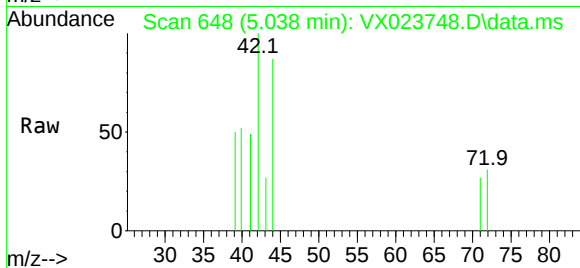
Delta R.T. 0.025 min

Lab File: VX023748.D

Acq: 16 Aug 2021 19:09

Tgt Ion:	42	Resp:	853
Ion	Ratio	Lower	Upper
42	100		
72	29.8	41.7	62.5#
71	25.7	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.266 ug/l

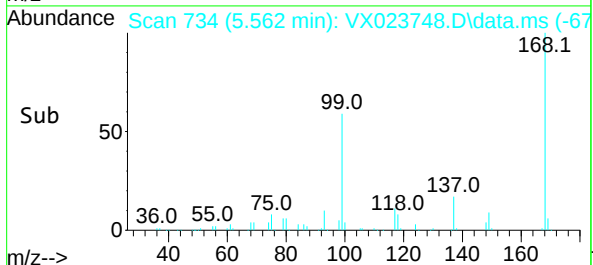
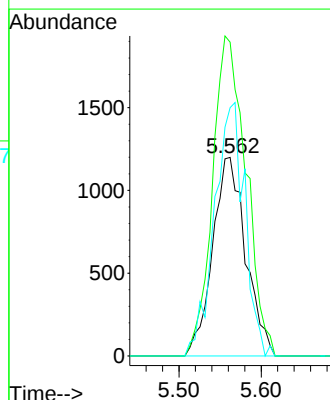
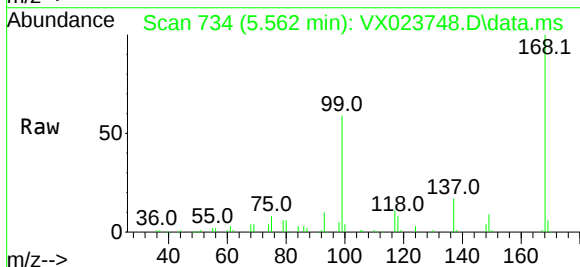
RT: 5.562 min Scan# 734

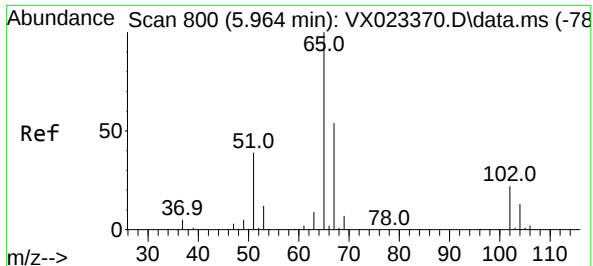
Delta R.T. 0.085 min

Lab File: VX023748.D

Acq: 16 Aug 2021 19:09

Tgt Ion:	56	Resp:	3351
Ion	Ratio	Lower	Upper
56	100		
69	158.0	25.3	37.9#
84	125.1	71.4	107.0#



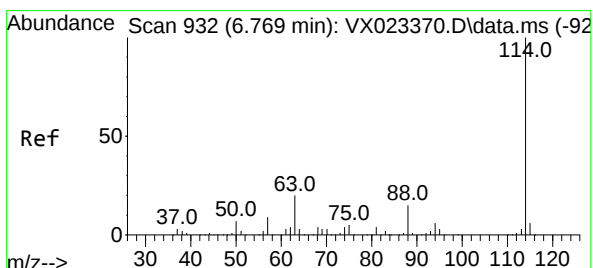
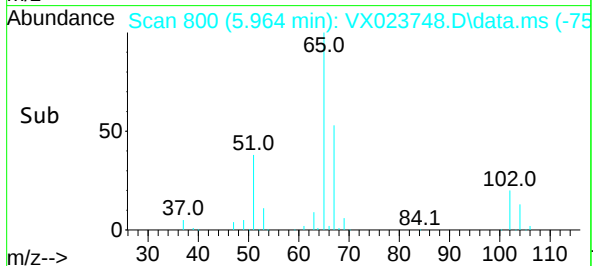
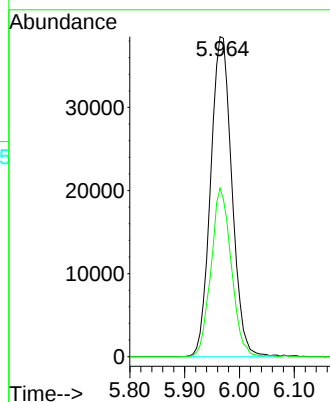
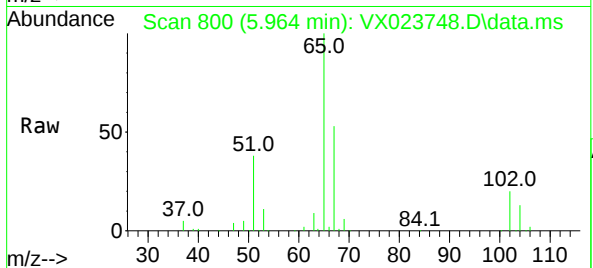


#33

1,2-Dichloroethane-d4
Concen: 58.056 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Instrument :
MSVOA_X
ClientSampled :

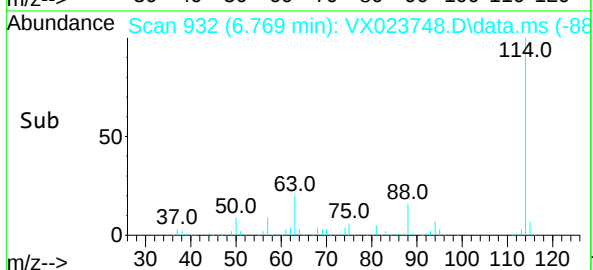
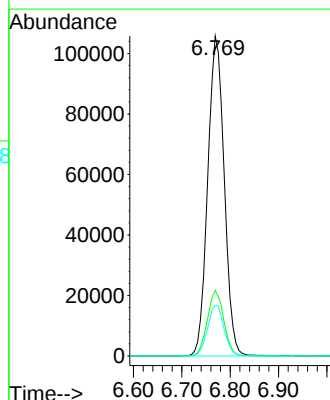
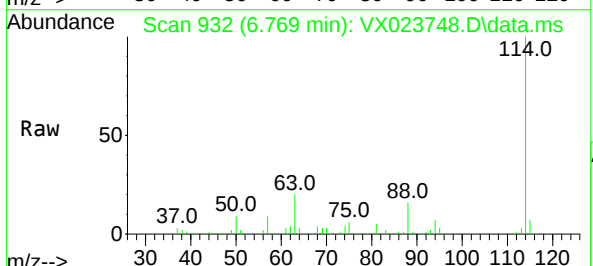
Tgt Ion: 65 Resp: 103732
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

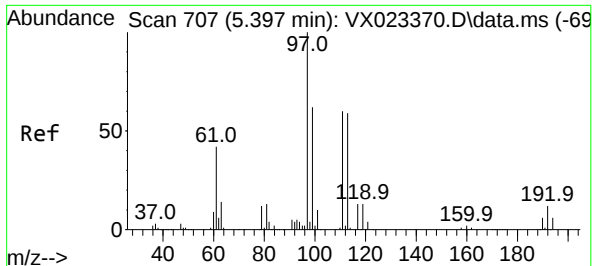


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 114 Resp: 250800
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.410 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023748.D

Acq: 16 Aug 2021 19:09

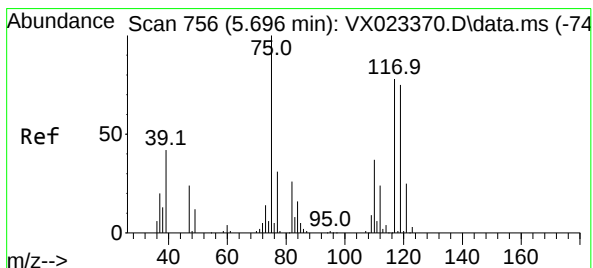
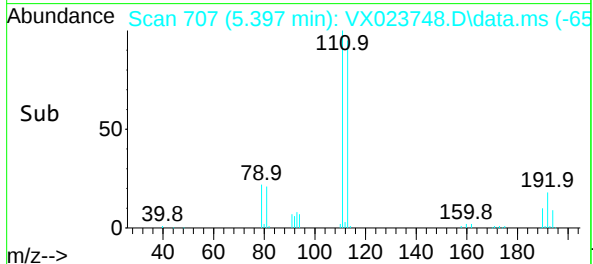
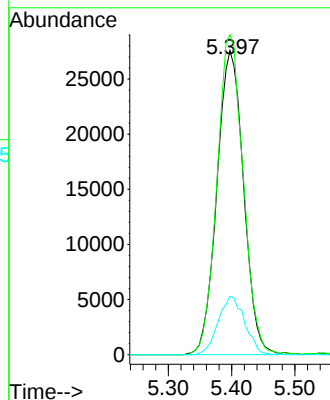
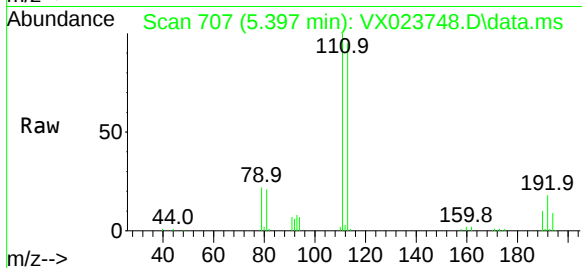
Tgt Ion:113 Resp: 80617

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

192 19.1 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.057 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023748.D

Acq: 16 Aug 2021 19:09

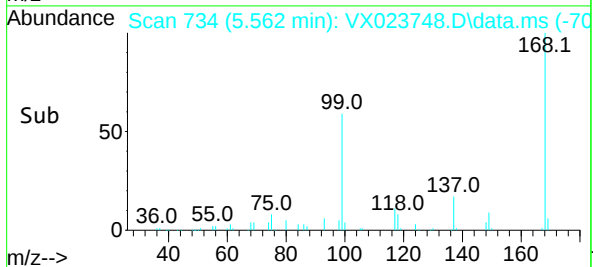
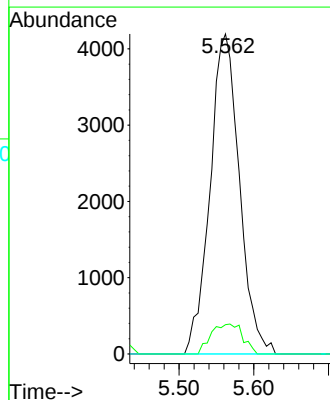
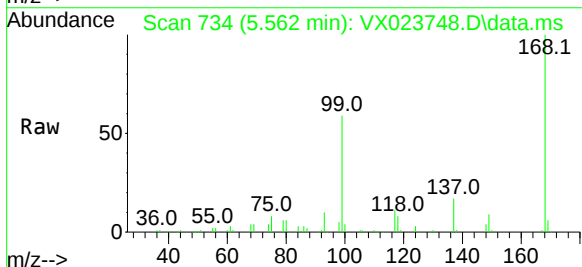
Tgt Ion: 75 Resp: 11473

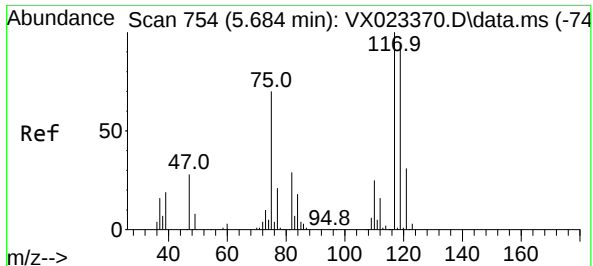
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

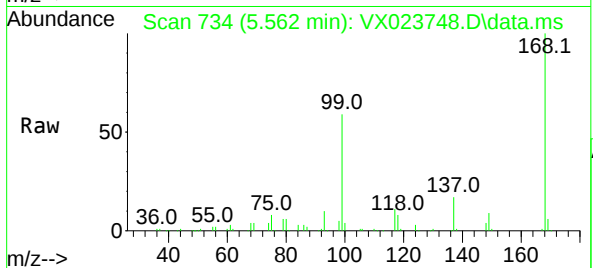
77 0.0 25.3 37.9#



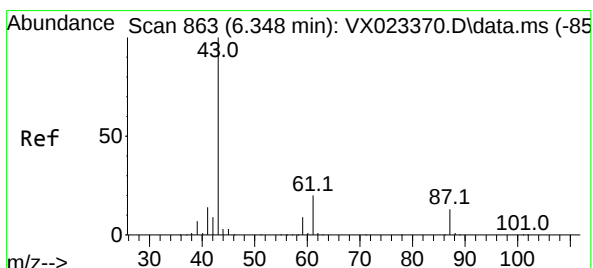
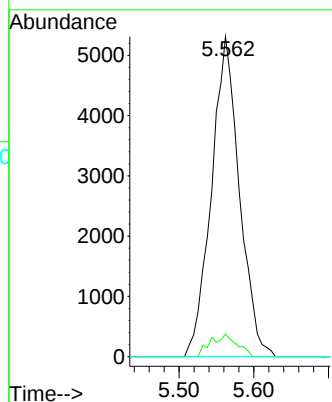
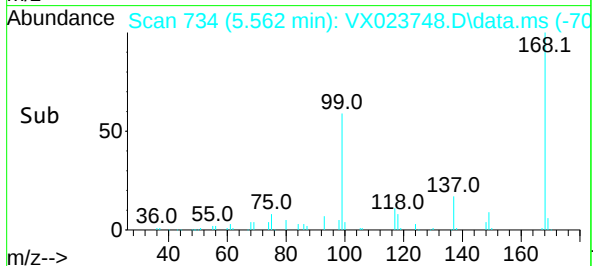


#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

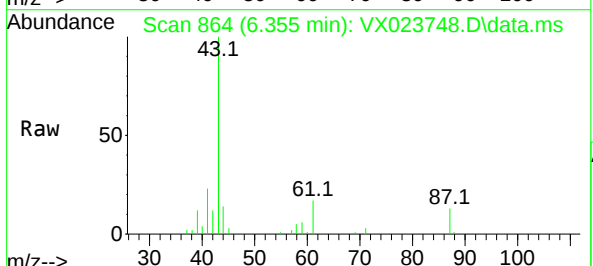
Instrument :
MSVOA_X
ClientSampled :



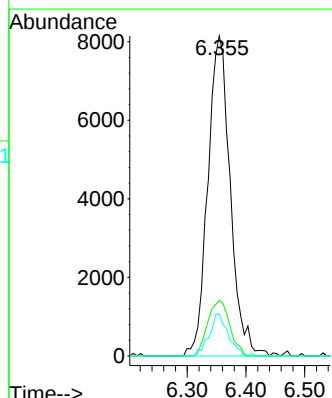
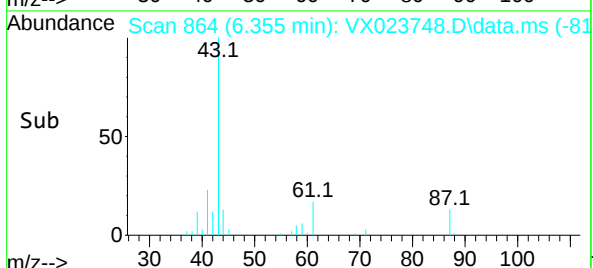
Tgt Ion:117 Resp: 13847
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.2#
121 0.0 24.8 37.2#

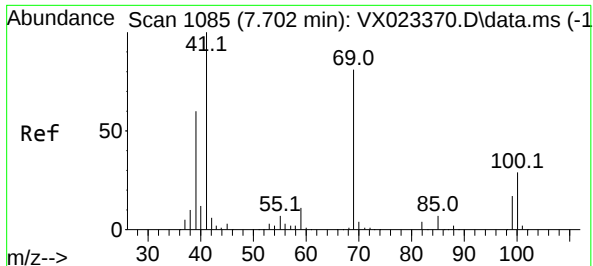


#43
Isopropyl Acetate
Concen: 4.880 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09



Tgt Ion: 43 Resp: 21630
Ion Ratio Lower Upper
43 100
61 17.0 18.2 27.4#
87 11.1 12.5 18.7#

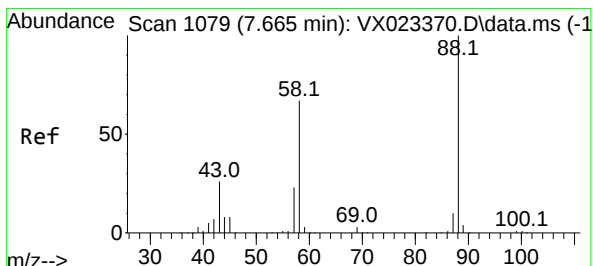
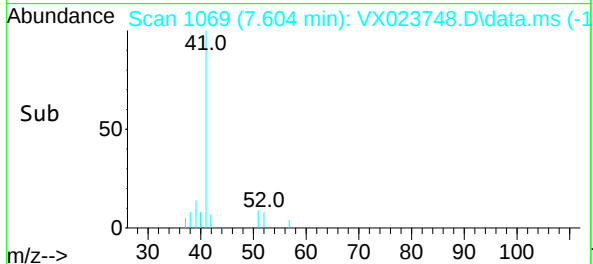
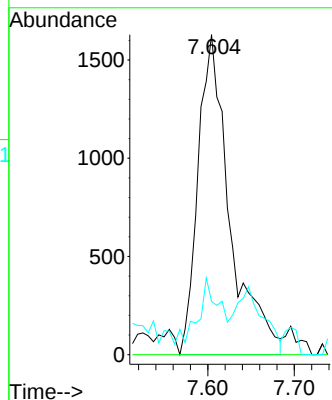
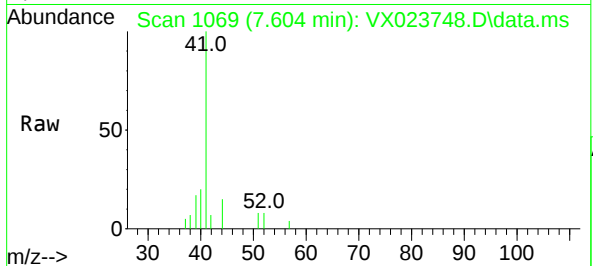




#48
Methyl methacrylate
Concen: 2.019 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

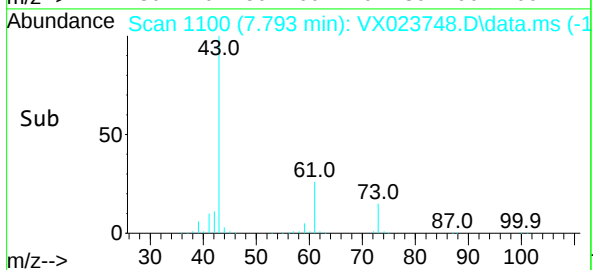
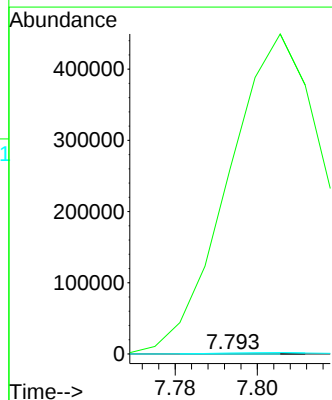
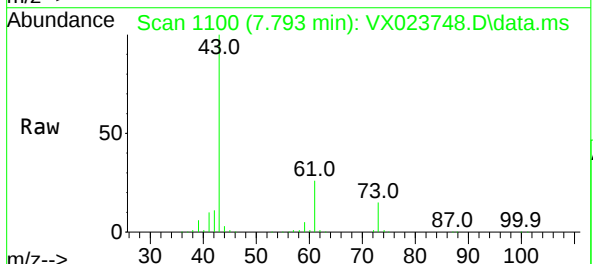
Instrument :
MSVOA_X
ClientSampled :

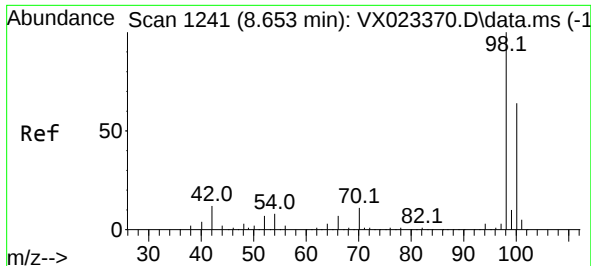
Tgt Ion: 41 Resp: 4145
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.549 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 3156416.7 23.2 34.8#
58 14975.0 55.0 82.4#

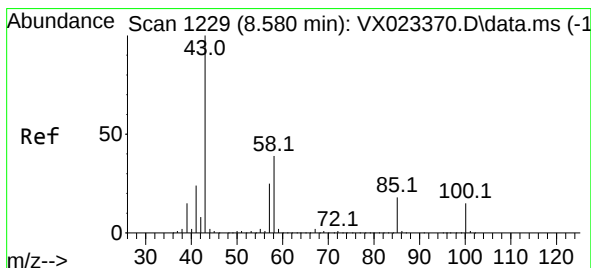
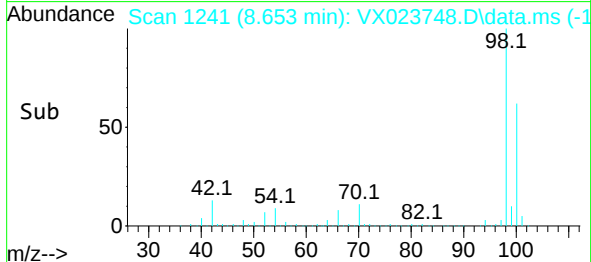
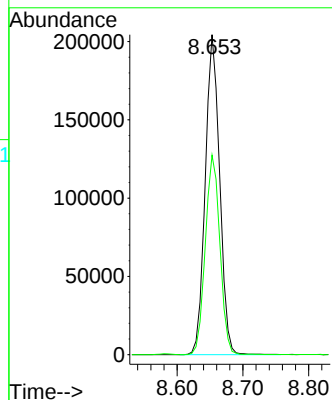
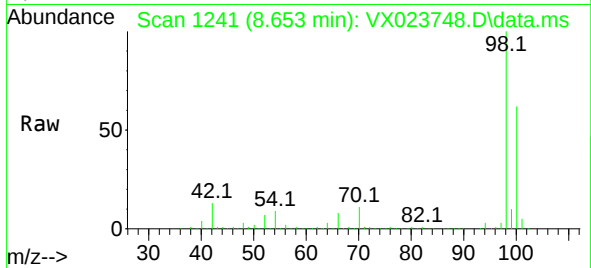




#50
Toluene-d8
Concen: 54.038 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

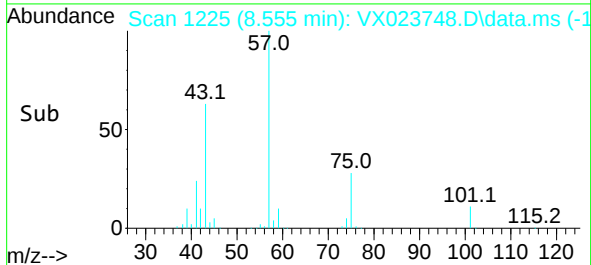
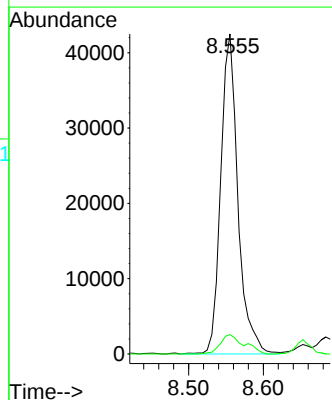
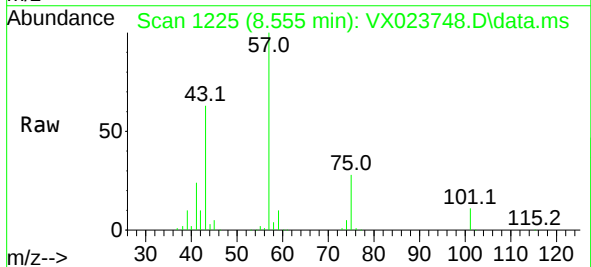
Instrument :
MSVOA_X
ClientSampled :

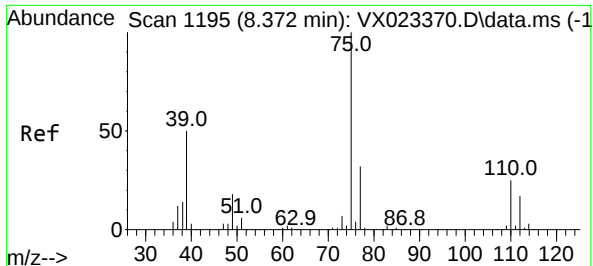
Tgt Ion: 98 Resp: 311327
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.121 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 43 Resp: 68107
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

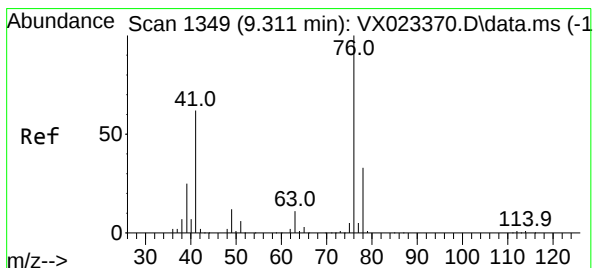
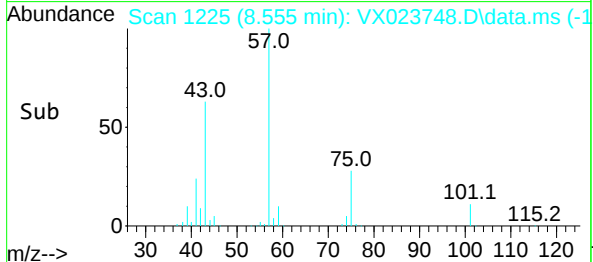
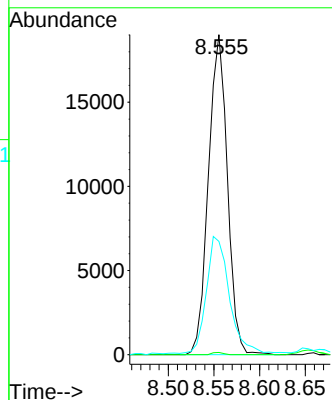
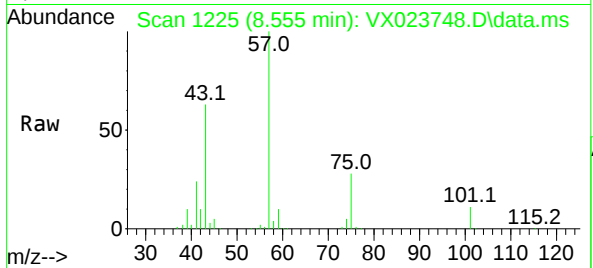




#54
 cis-1,3-Dichloropropene
 Concen: 10.102 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023748.D
 Acq: 16 Aug 2021 19:09

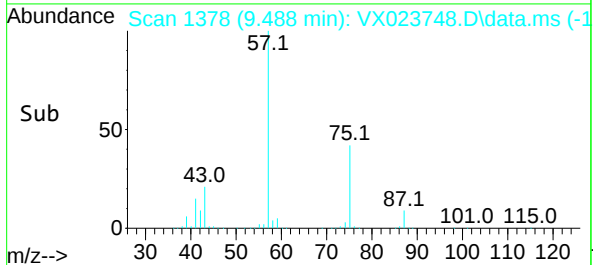
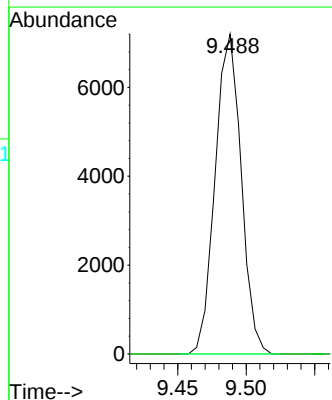
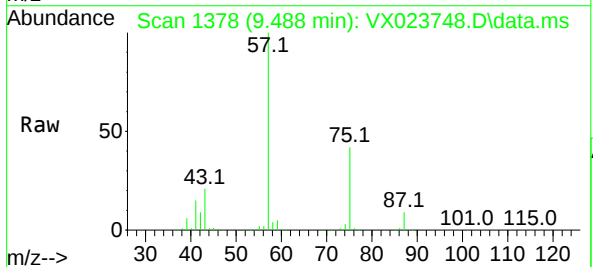
Instrument :
 MSVOA_X
 ClientSampled :

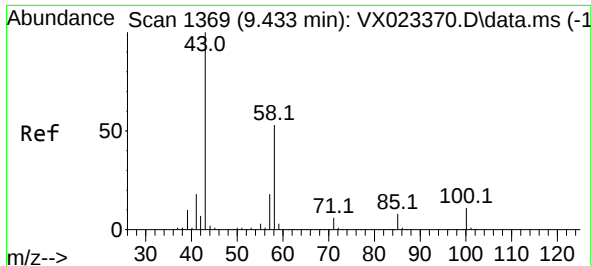
Tgt Ion: 75 Resp: 27393
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 35.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 3.312 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023748.D
 Acq: 16 Aug 2021 19:09

Tgt Ion: 76 Resp: 9498
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

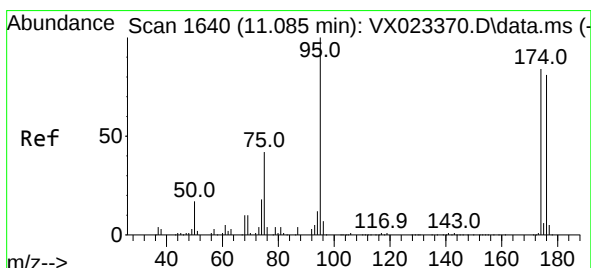
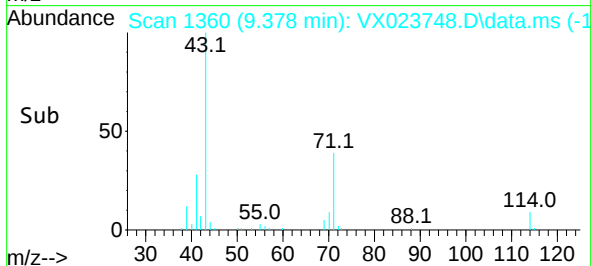
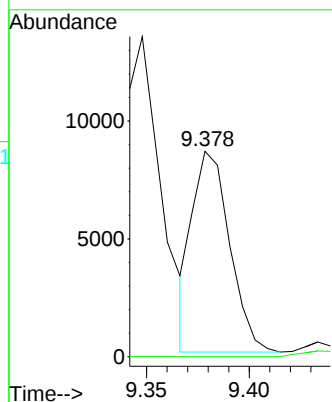
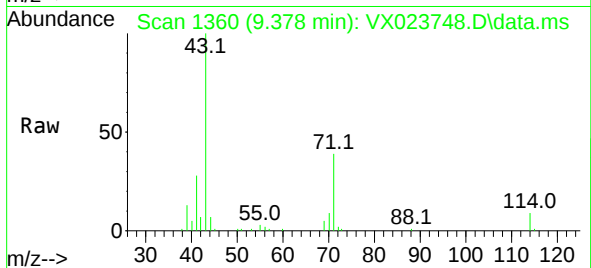




#59
2-Hexanone
Concen: 5.245 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

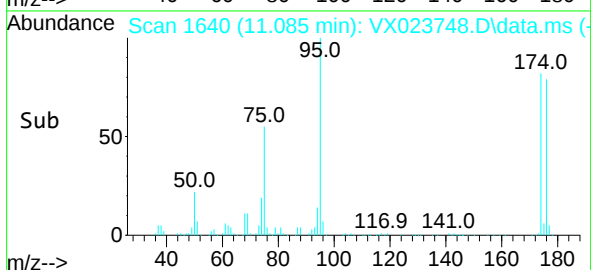
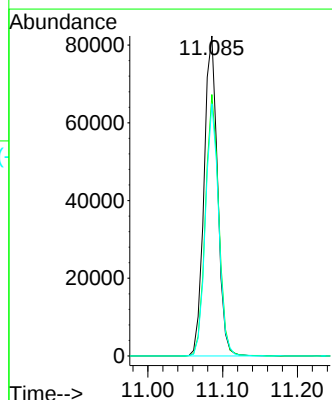
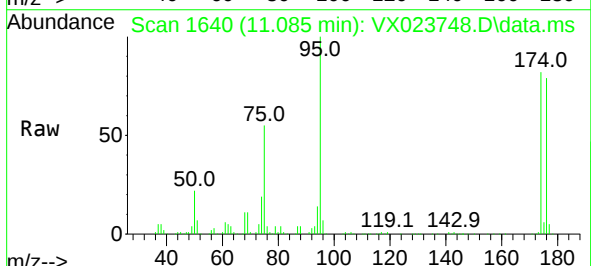
Instrument :
MSVOA_X
ClientSampled :

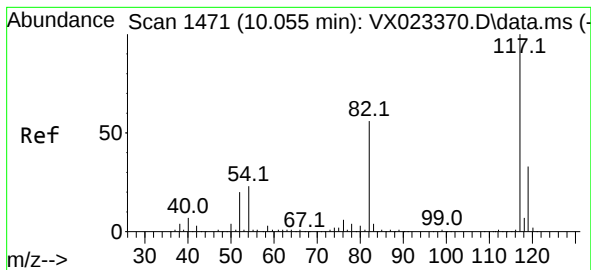
Tgt Ion: 43 Resp: 10799
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.768 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 95 Resp: 103377
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 77.2 0.0 155.8

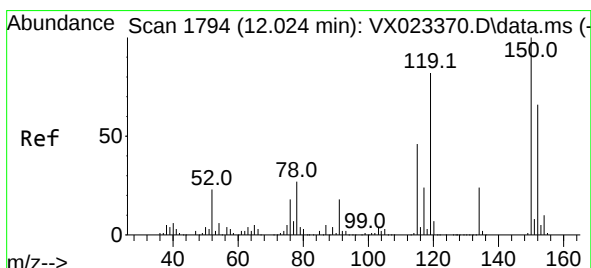
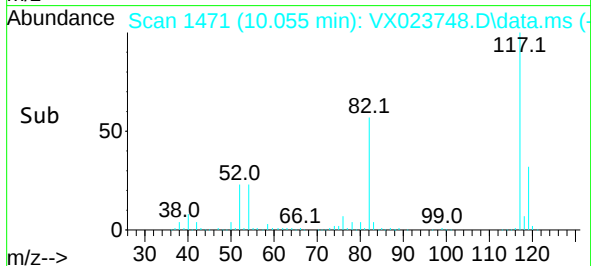
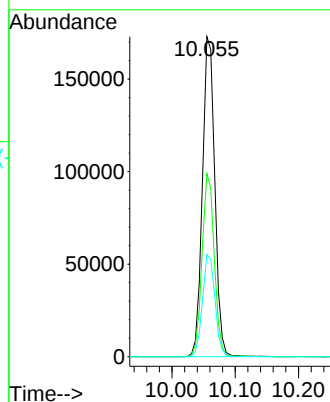
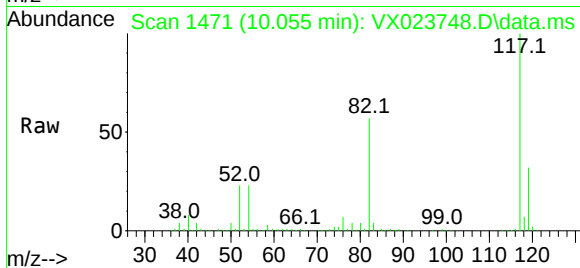




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

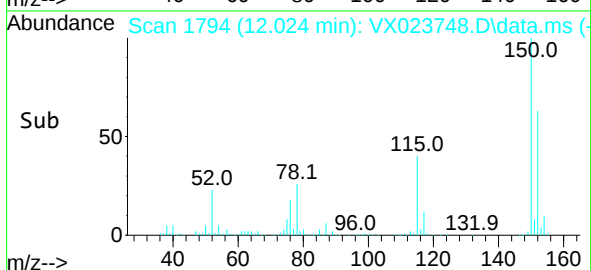
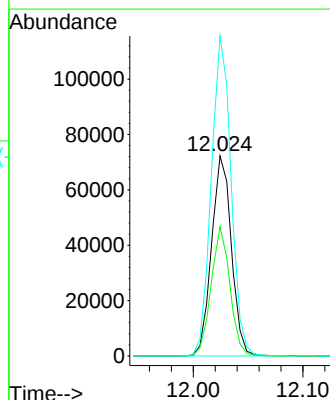
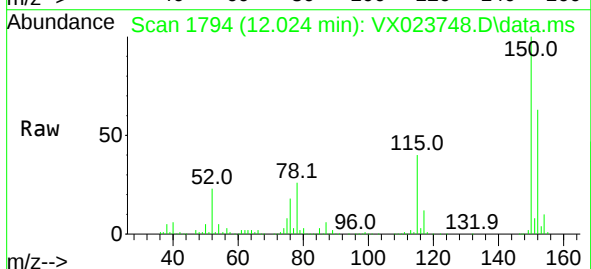
Instrument :
MSVOA_X
ClientSampled :

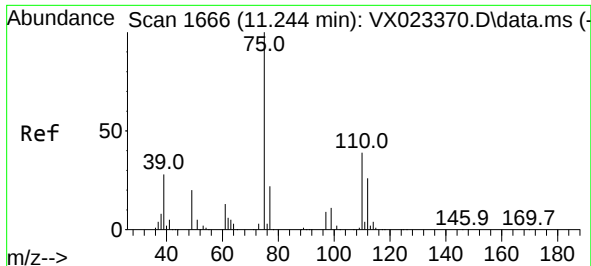
Tgt Ion:117 Resp: 235952
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion:152 Resp: 90888
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 159.3 0.0 349.0

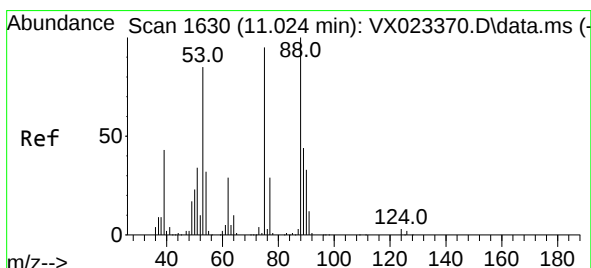
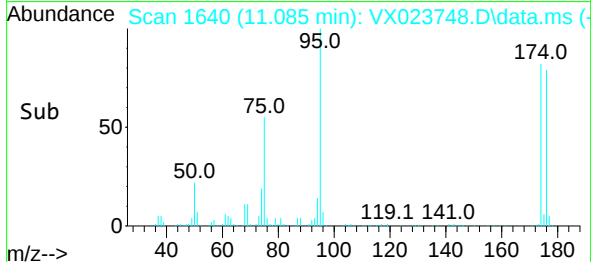
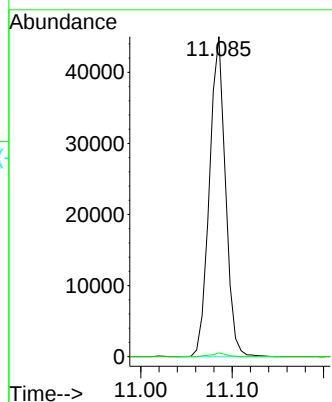
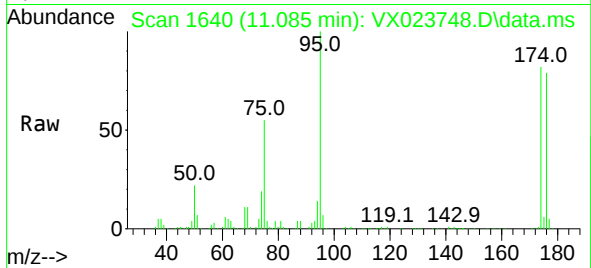




#76
1,2,3-Trichloropropane
Concen: 27.409 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54820
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.700 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023748.D
Acq: 16 Aug 2021 19:09

Tgt Ion: 75 Resp: 54820
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

