

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029008.D
 Acq On : 26 May 2022 18:45
 Operator : JC/MD
 Sample : N3053-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

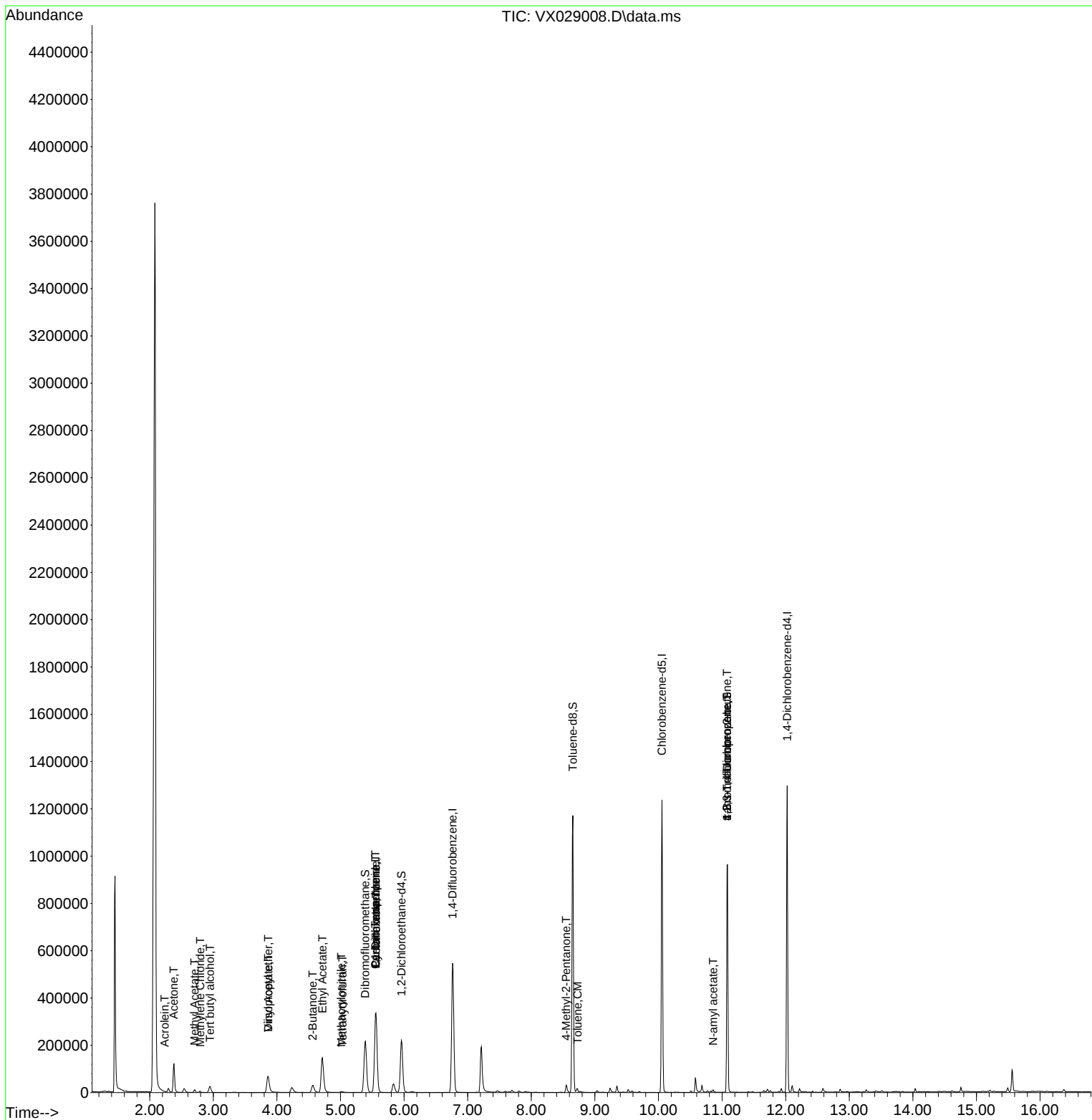
Instrument :
 MSVOA_X
 ClientSampleId :

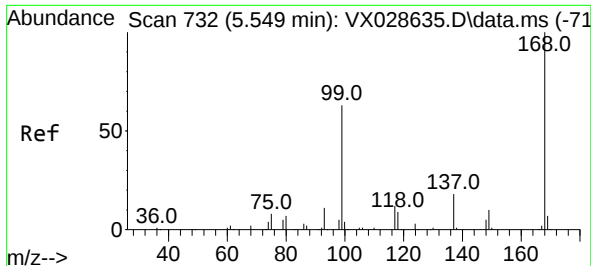
Quant Time: May 27 07:36:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	323678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	575313	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	558215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216855	48.876	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.760%
35) Dibromofluoromethane	5.385	113	192277	51.010	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.020%
50) Toluene-d8	8.653	98	693982	48.833	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	275070	51.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.640%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	875	Below Cal		88
6) Chloroethane	1.691	64	1848	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	16947	10.350	ug/l #	79
13) Acrolein	2.233	56	193	0.265	ug/l	85
16) Acetone	2.380	43	124817	65.548	ug/l	95
18) Methyl Acetate	2.703	43	12863	2.697	ug/l	97
20) Methylene Chloride	2.794	84	2441	0.611	ug/l	94
22) Diisopropyl ether	3.861	45	5157	0.449	ug/l #	1
23) Vinyl Acetate	3.861	43	12059	1.218	ug/l #	66
25) 2-Butanone	4.562	43	41799	13.984	ug/l	95
29) Tetrahydrofuran	5.032	42	986	0.507	ug/l #	39
31) Cyclohexane	5.556	56	6125	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	25056	4.426	ug/l #	49
37) Ethyl Acetate	4.715	43	244732	41.386	ug/l	99
38) Carbon Tetrachloride	5.550	117	33176	5.823	ug/l #	15
41) Methacrylonitrile	5.013	41	1116	0.352	ug/l #	41
51) 4-Methyl-2-Pentanone	8.549	43	13318	2.186	ug/l #	31
52) Toluene	8.726	92	5941	0.568	ug/l	96
74) N-amyl acetate	10.860	43	1953	0.244	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	136719	21.752	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	136719	63.739	ug/l #	15

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

Quant Time: May 27 07:36:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

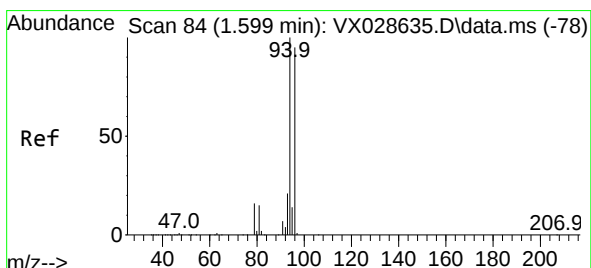
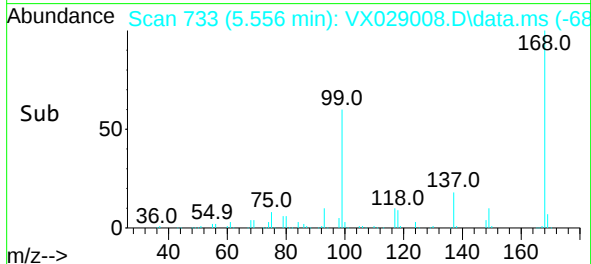
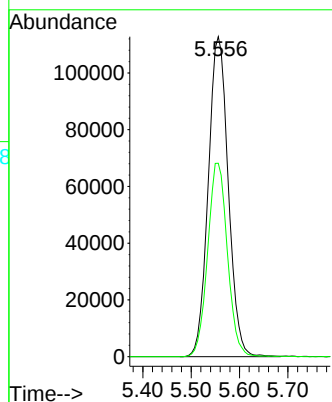
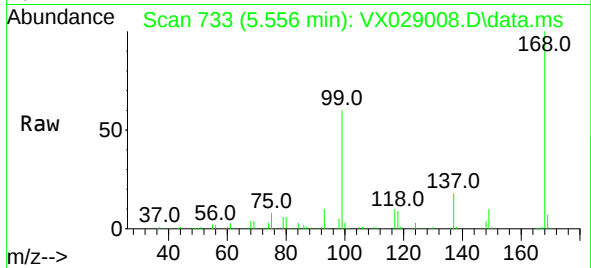




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

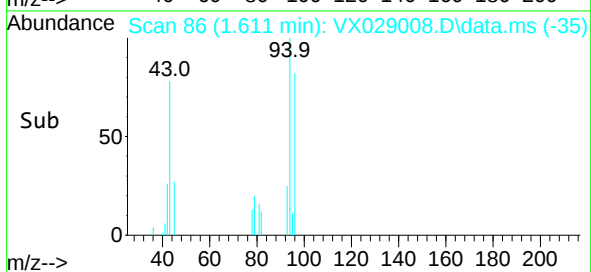
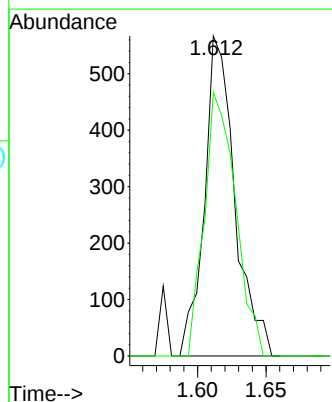
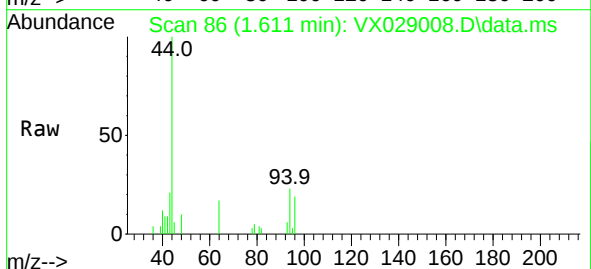
Instrument :
MSVOA_X
ClientSampleId :

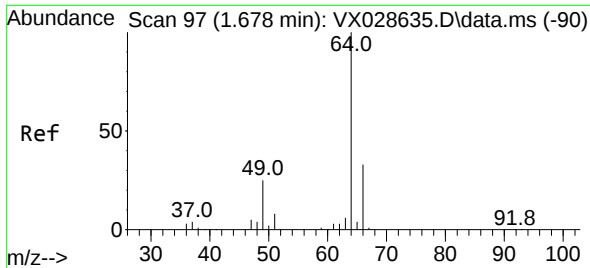
Tgt Ion:168 Resp: 323678
Ion Ratio Lower Upper
168 100
99 60.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Tgt Ion: 94 Resp: 875
Ion Ratio Lower Upper
94 100
96 82.4 75.3 112.9

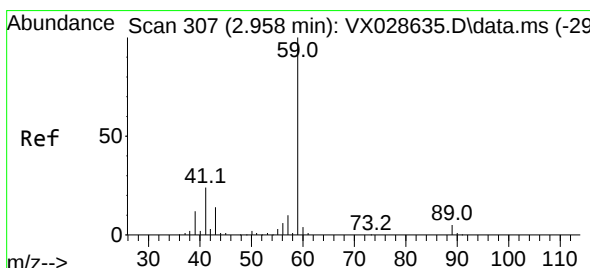
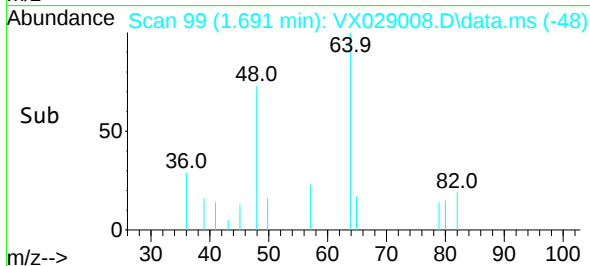
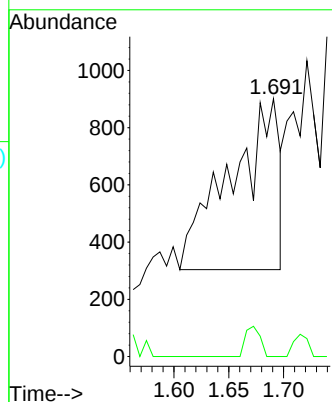
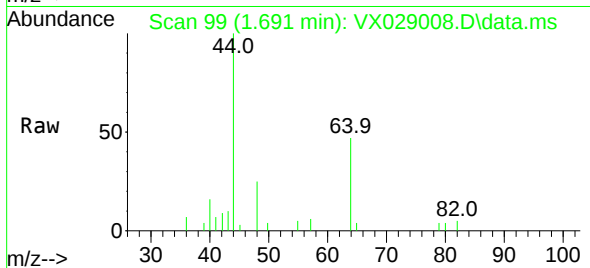




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

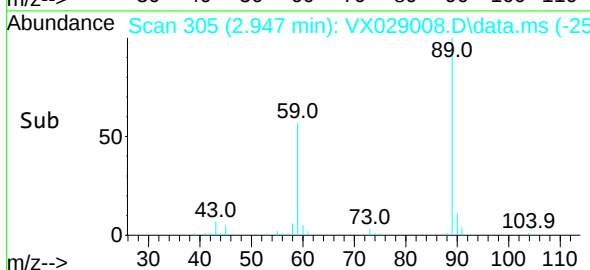
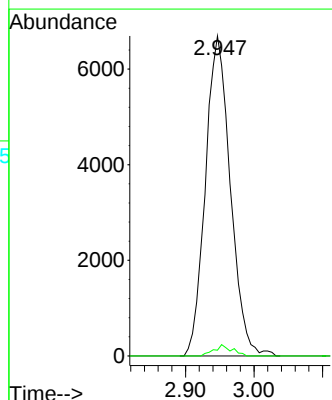
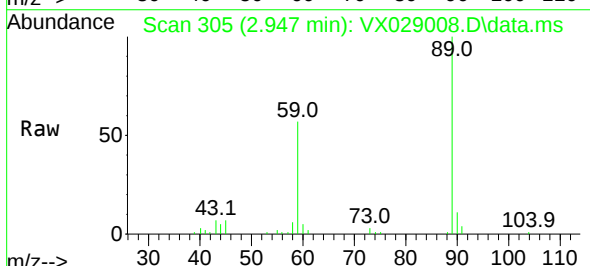
Instrument :
MSVOA_X
ClientSampleId :

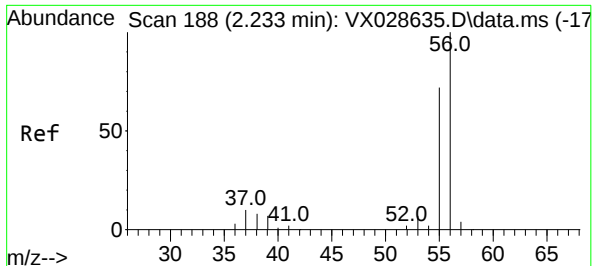
Tgt Ion: 64 Resp: 1848
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 10.350 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

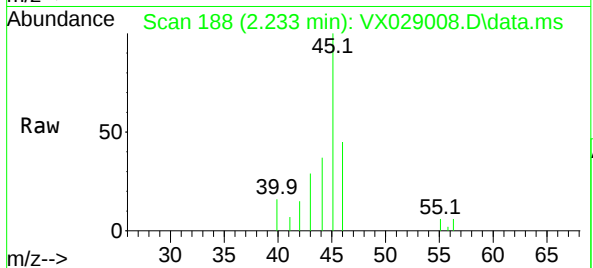
Tgt Ion: 59 Resp: 16947
Ion Ratio Lower Upper
59 100
57 2.5 8.3 12.5#



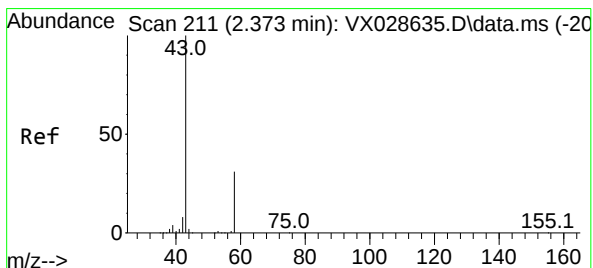
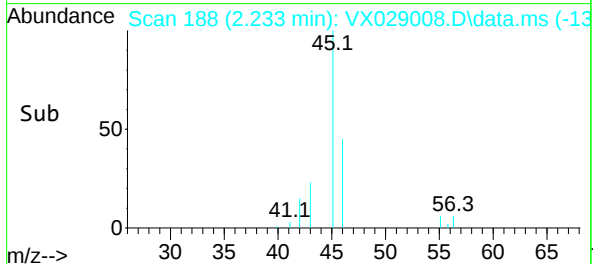
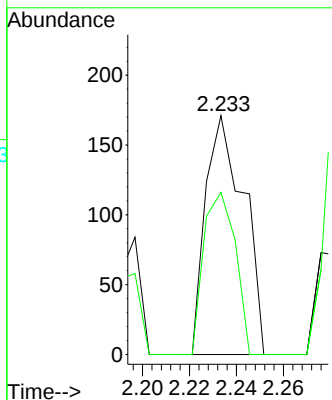


#13
Acrolein
Concen: 0.265 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

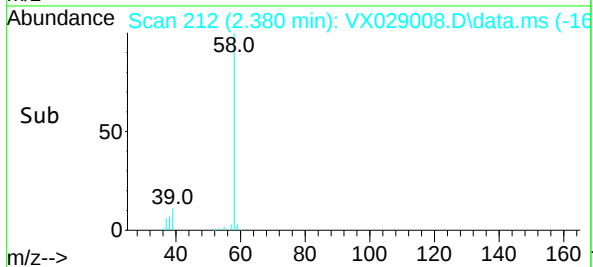
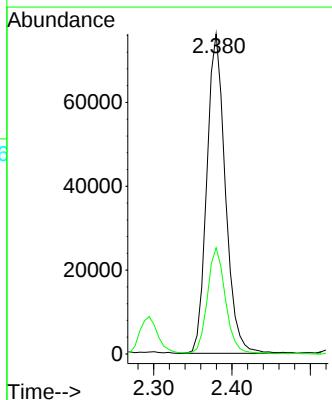
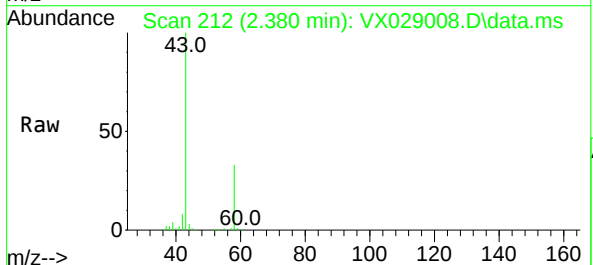


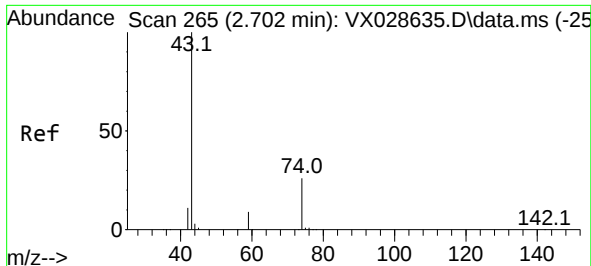
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 56.5 55.0 82.6



#16
Acetone
Concen: 65.548 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Tgt Ion: 43 Resp: 124817
Ion Ratio Lower Upper
43 100
58 33.2 28.8 43.2

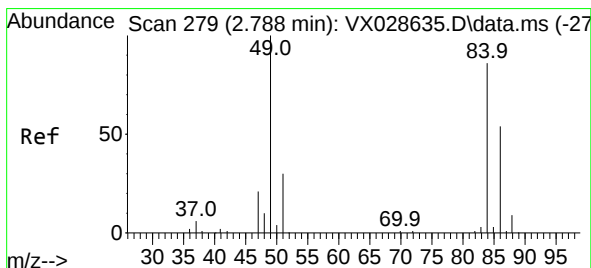
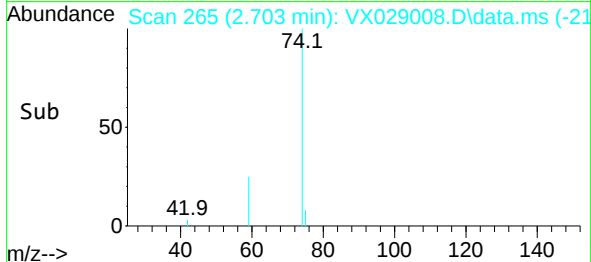
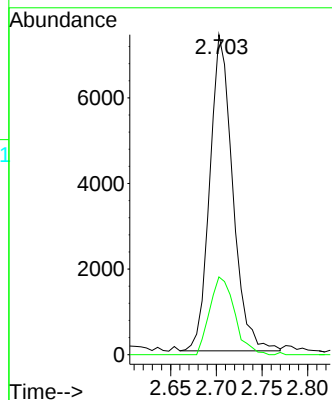
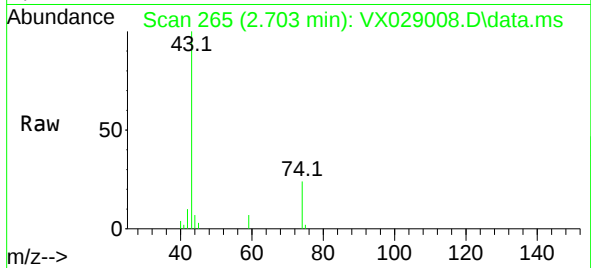




#18
Methyl Acetate
Concen: 2.697 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

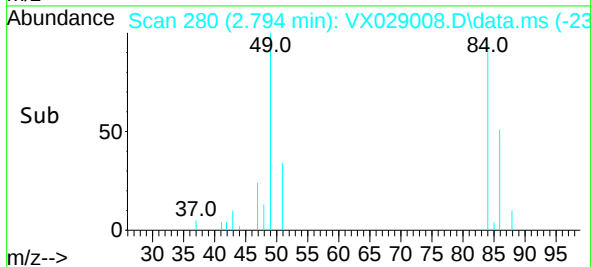
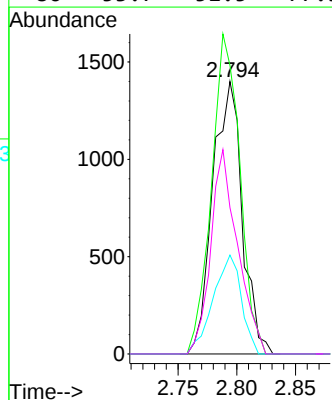
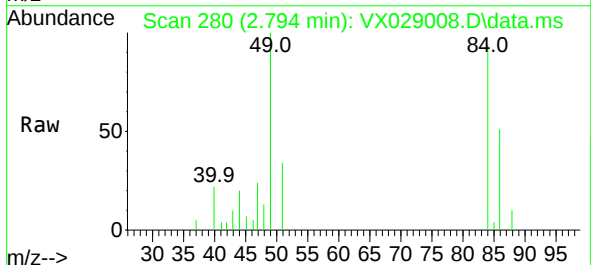
Instrument :
MSVOA_X
ClientSampleId :

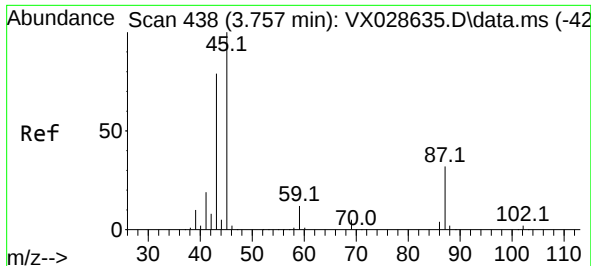
Tgt Ion: 43 Resp: 12863
Ion Ratio Lower Upper
43 100
74 26.7 22.8 34.2



#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

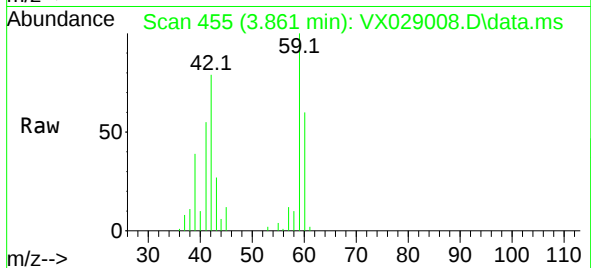
Tgt Ion: 84 Resp: 2441
Ion Ratio Lower Upper
84 100
49 105.9 85.5 128.3
51 36.3 26.6 39.8
86 53.7 51.5 77.3



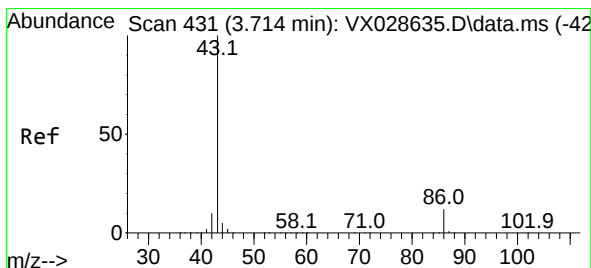
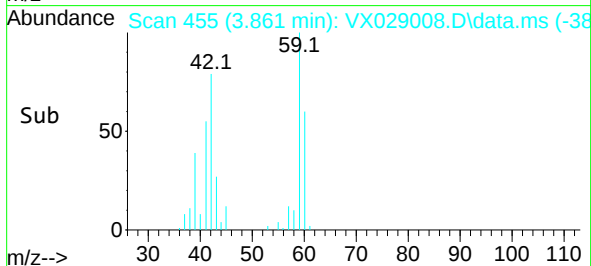
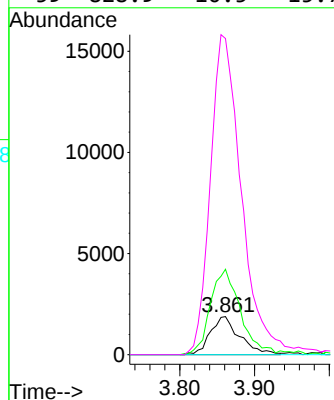


#22
Diisopropyl ether
Concen: 0.449 ug/l
RT: 3.861 min Scan# 411
Delta R.T. 0.104 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

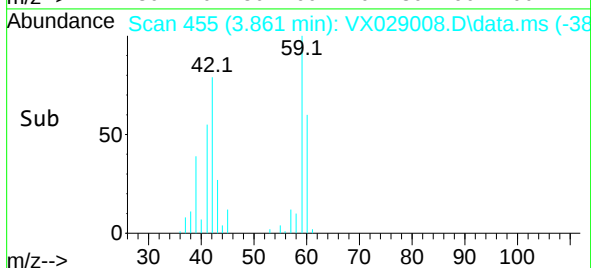
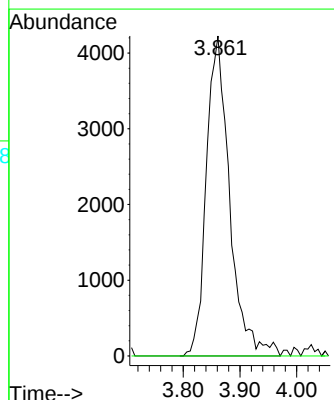
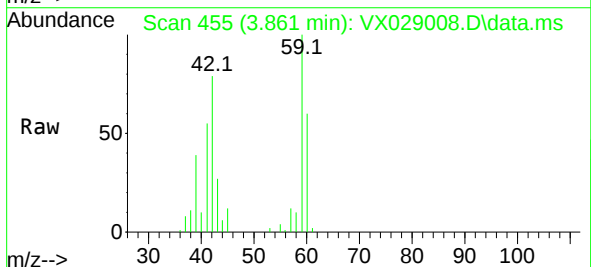


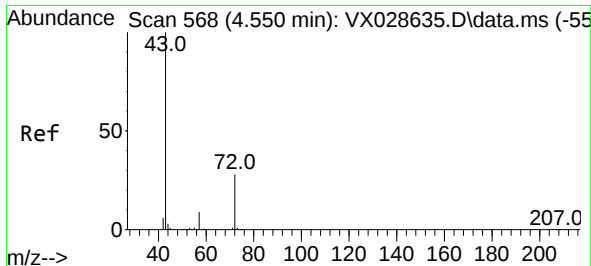
Tgt Ion:	45	Resp:	5157
Ion	Ratio	Lower	Upper
45	100		
43	224.1	50.8	76.2#
87	0.0	26.6	39.8#
59	828.9	10.5	15.7#



#23
Vinyl Acetate
Concen: 1.218 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.147 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

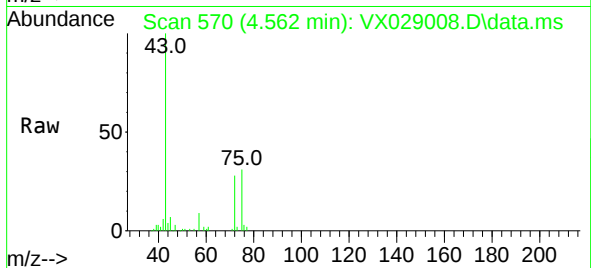
Tgt Ion:	43	Resp:	12059
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



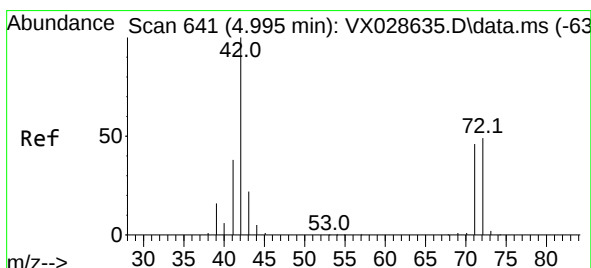
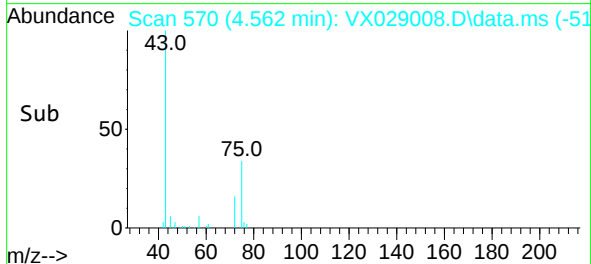
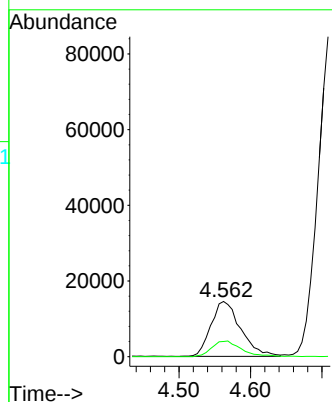


#25
2-Butanone
Concen: 13.984 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

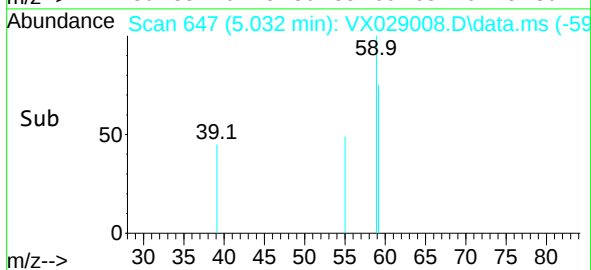
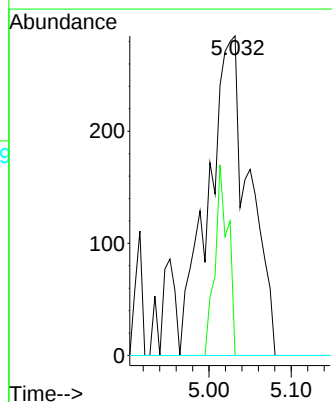
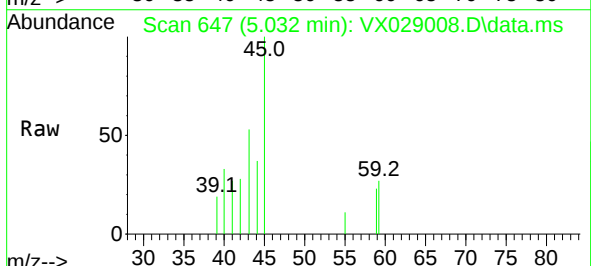


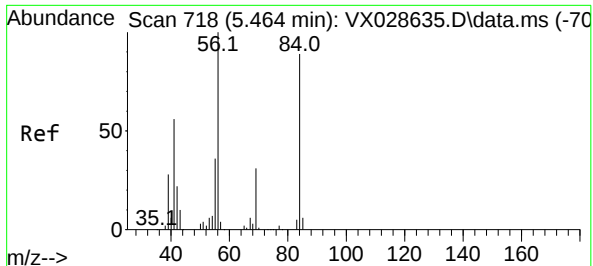
Tgt Ion: 43 Resp: 41799
Ion Ratio Lower Upper
43 100
72 27.8 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.507 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

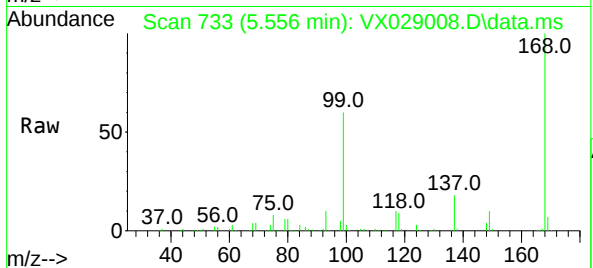
Tgt Ion: 42 Resp: 986
Ion Ratio Lower Upper
42 100
72 19.3 44.1 66.1#
71 0.0 40.5 60.7#



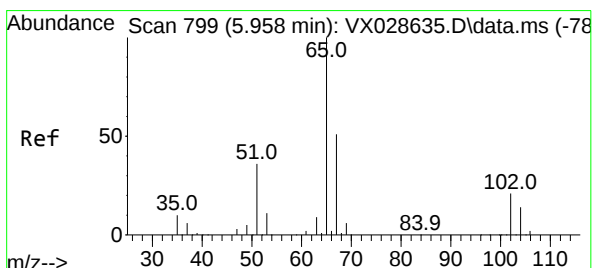
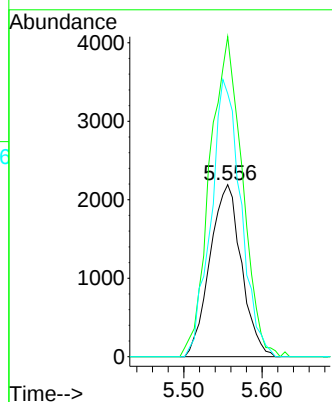
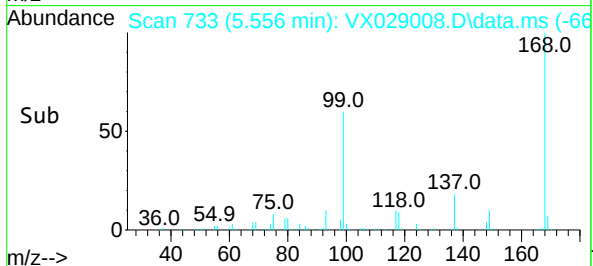


#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

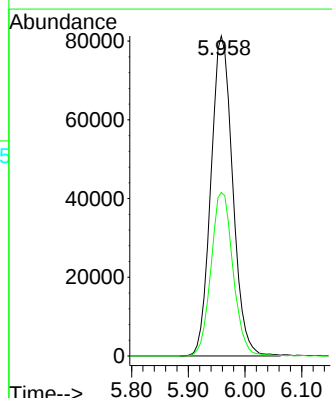
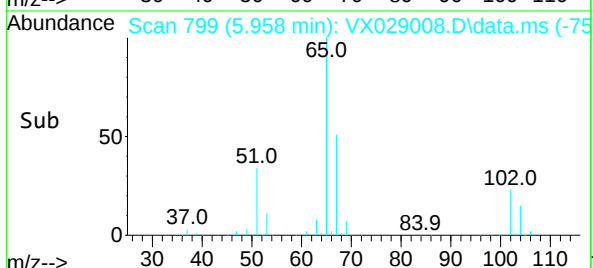
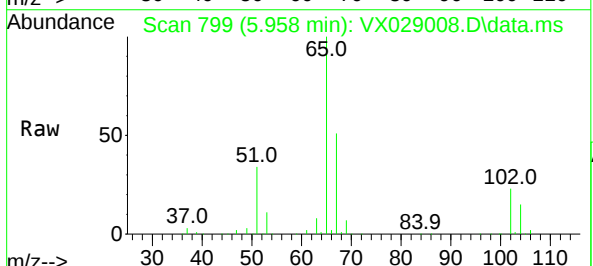


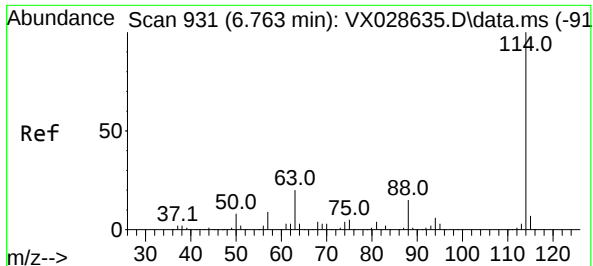
Tgt Ion: 56 Resp: 6125
Ion Ratio Lower Upper
56 100
69 186.0 26.7 40.1#
84 152.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.876 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Tgt Ion: 65 Resp: 216855
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

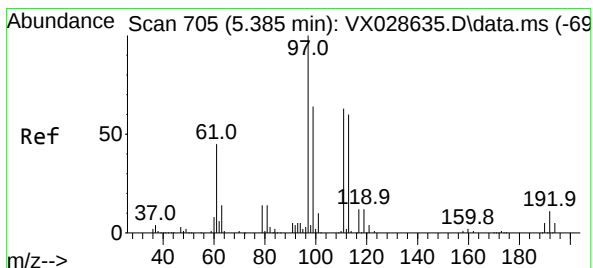
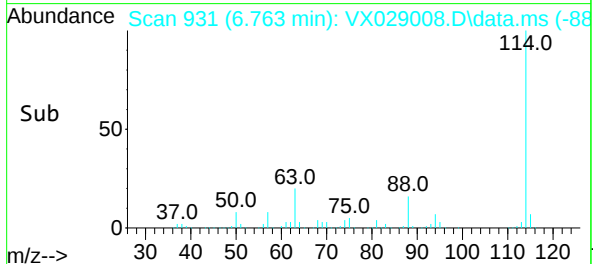
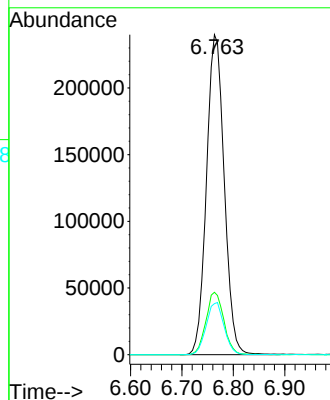
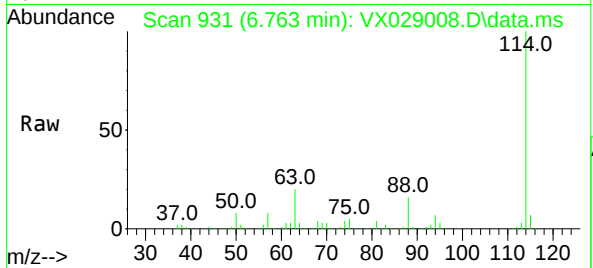




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

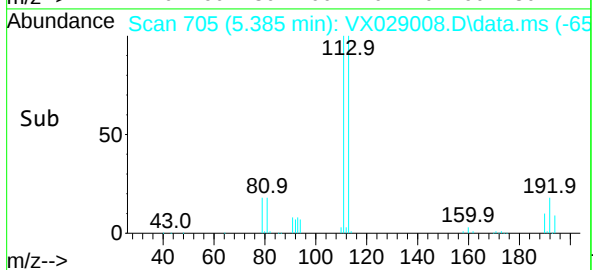
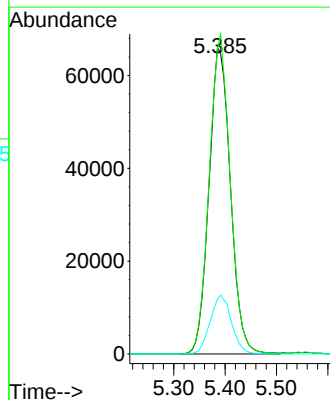
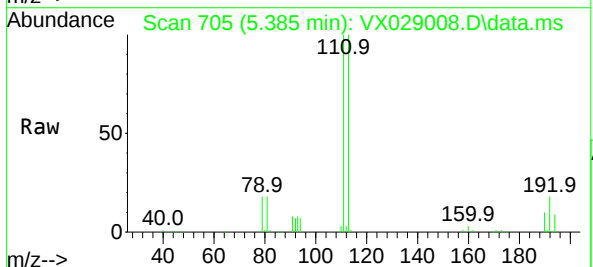
Instrument :
MSVOA_X
ClientSampleId :

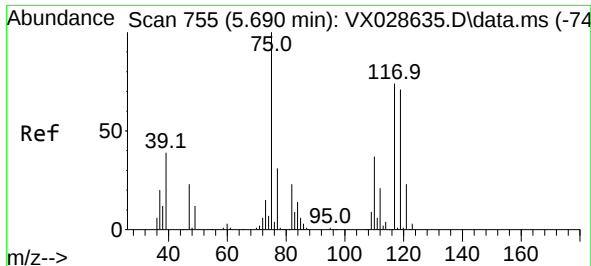
Tgt Ion:114 Resp: 575313
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.010 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Tgt Ion:113 Resp: 192277
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 19.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.426 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

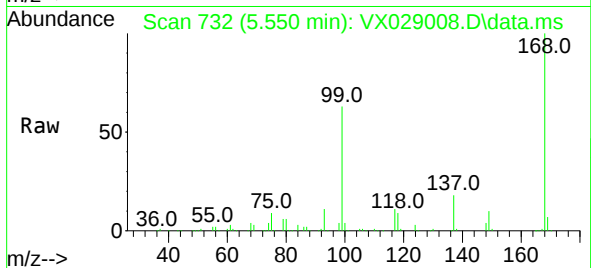
Lab File: VX029008.D

Acq: 26 May 2022 18:45

Instrument :

MSVOA_X

ClientSampleId :



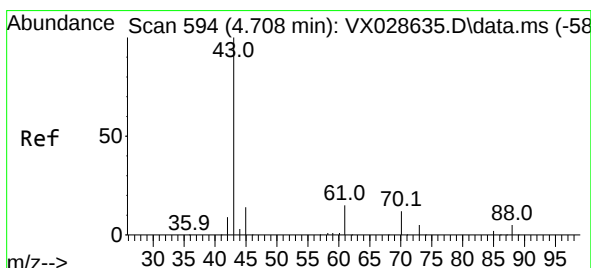
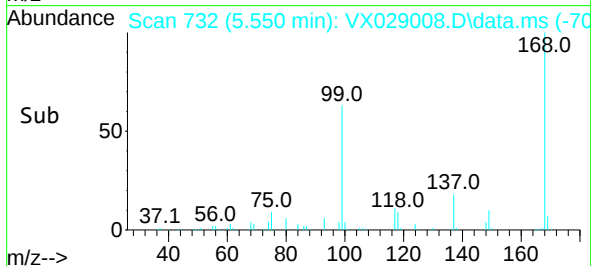
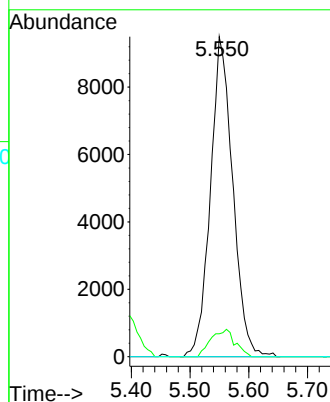
Tgt Ion: 75 Resp: 25056

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 41.386 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.007 min

Lab File: VX029008.D

Acq: 26 May 2022 18:45

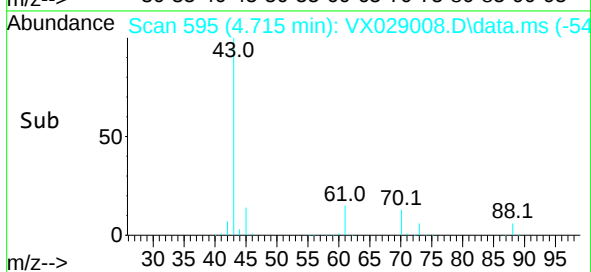
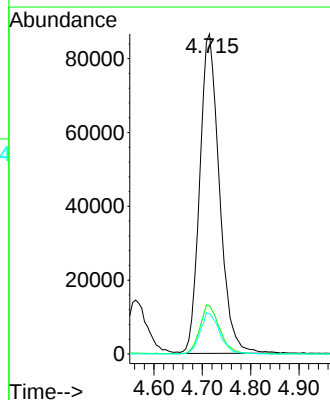
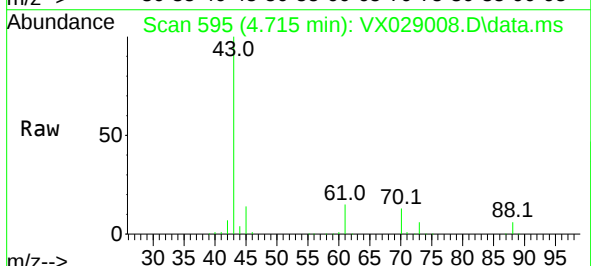
Tgt Ion: 43 Resp: 244732

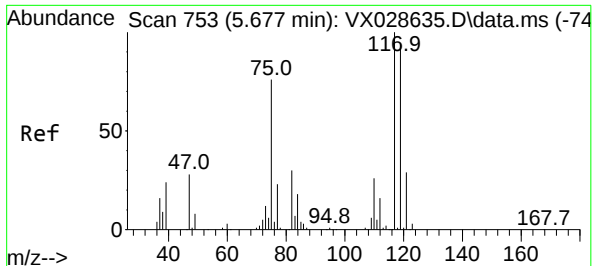
Ion Ratio Lower Upper

43 100

61 15.1 12.6 19.0

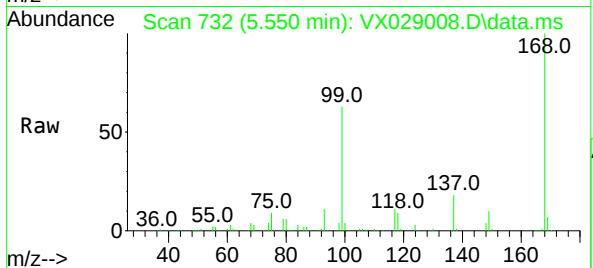
70 12.8 10.2 15.2



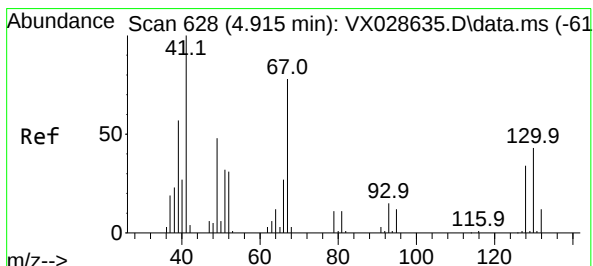
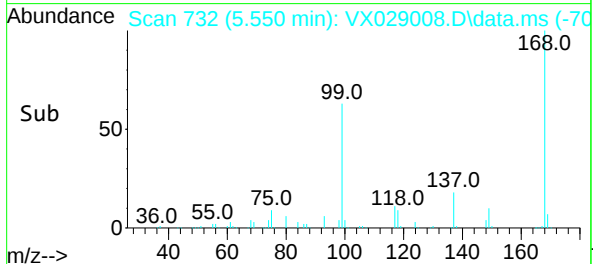
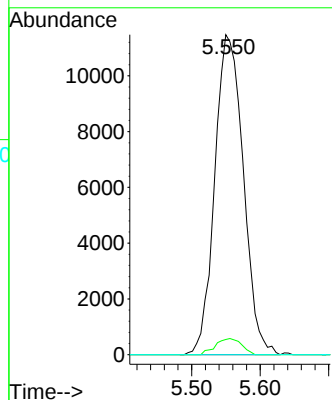


#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

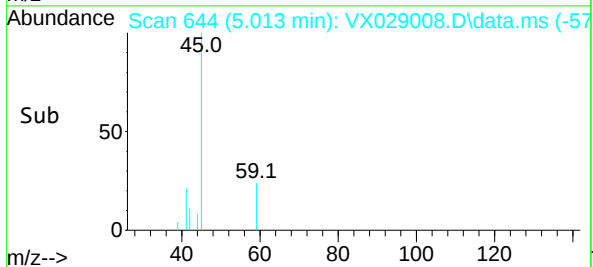
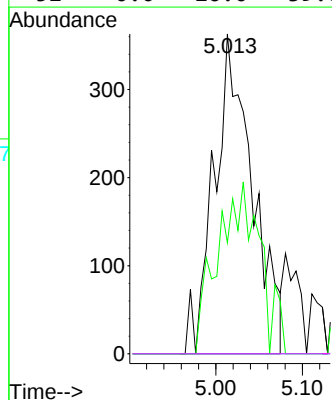
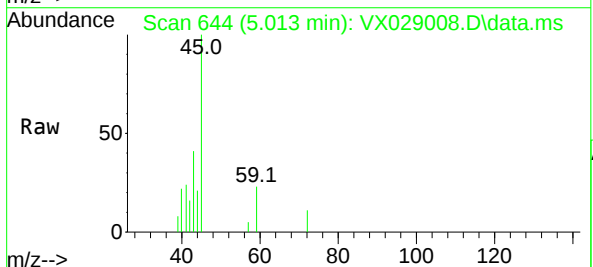


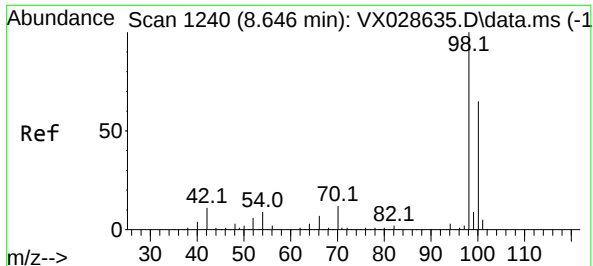
Tgt Ion:117 Resp: 33176
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.352 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.098 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

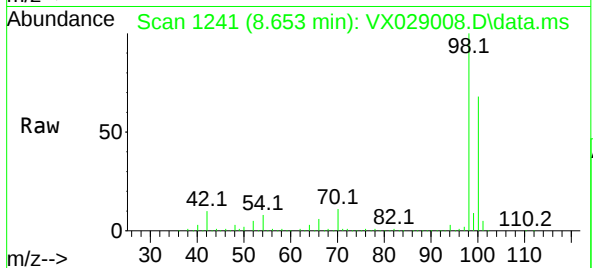
Tgt Ion: 41 Resp: 1116
Ion Ratio Lower Upper
41 100
39 55.2 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



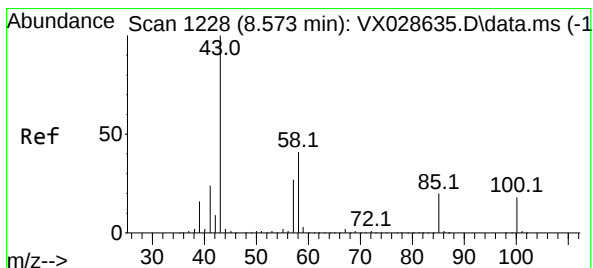
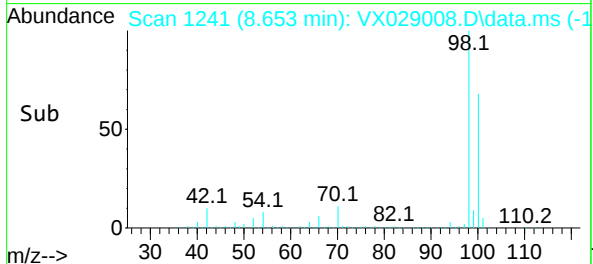
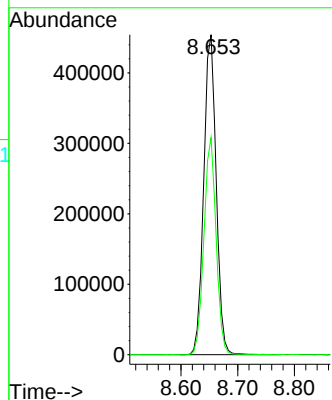


#50
Toluene-d8
Concen: 48.833 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Instrument :
MSVOA_X
ClientSampleId :

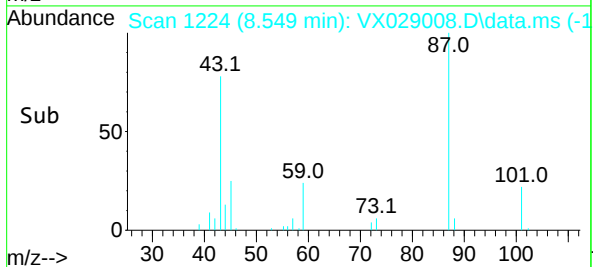
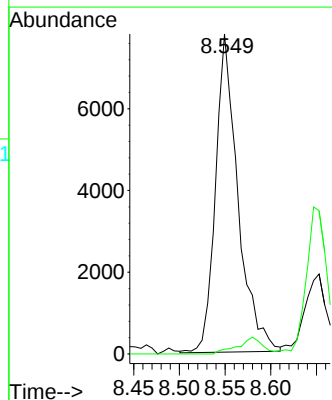
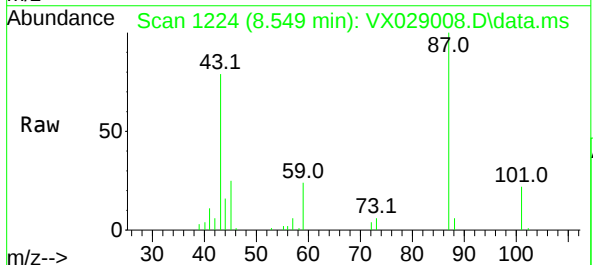


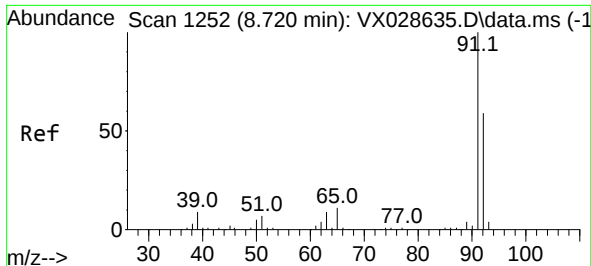
Tgt Ion: 98 Resp: 693982
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.186 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

Tgt Ion: 43 Resp: 13318
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#





#52

Toluene

Concen: 0.568 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029008.D

Acq: 26 May 2022 18:45

Instrument :

MSVOA_X

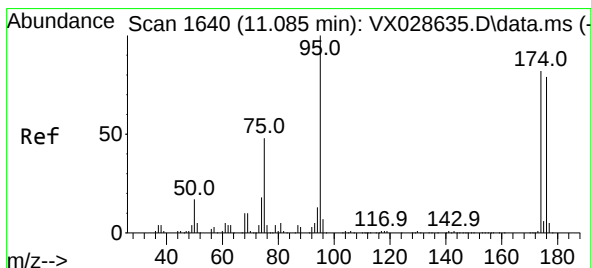
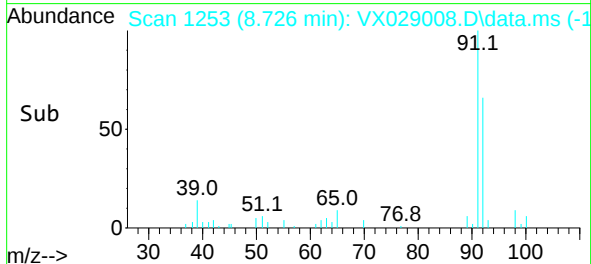
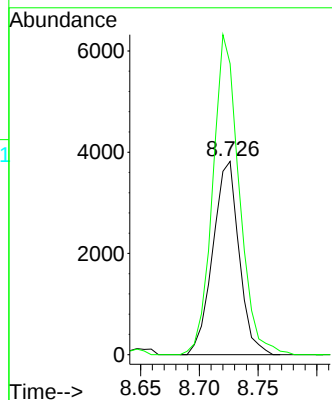
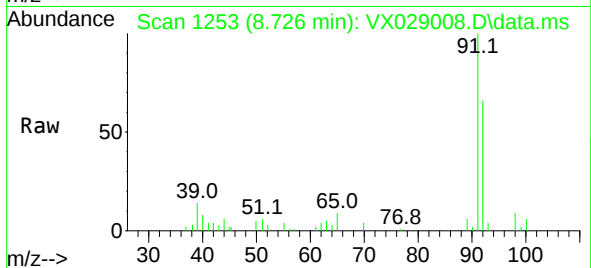
ClientSampleId :

Tgt Ion: 92 Resp: 5941

Ion Ratio Lower Upper

92 100

91 166.6 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 51.822 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029008.D

Acq: 26 May 2022 18:45

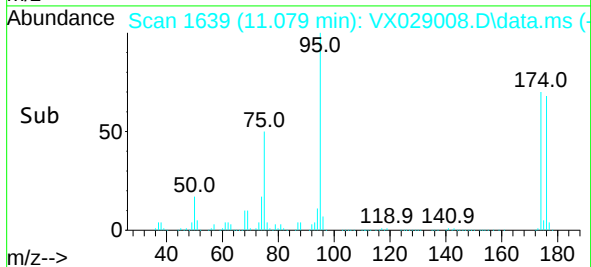
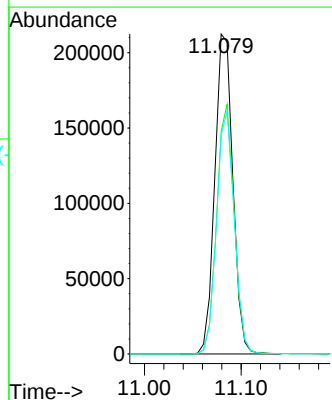
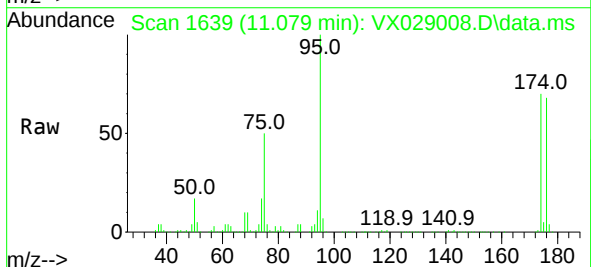
Tgt Ion: 95 Resp: 275070

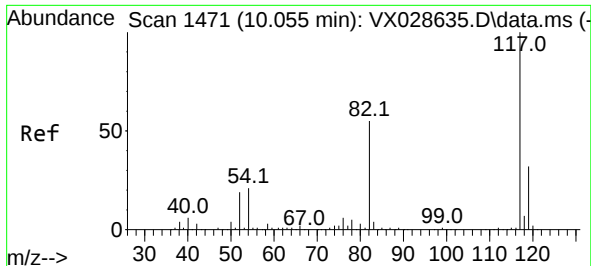
Ion Ratio Lower Upper

95 100

174 76.1 0.0 163.0

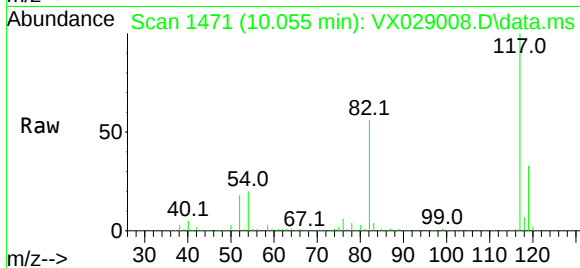
176 74.5 0.0 155.0



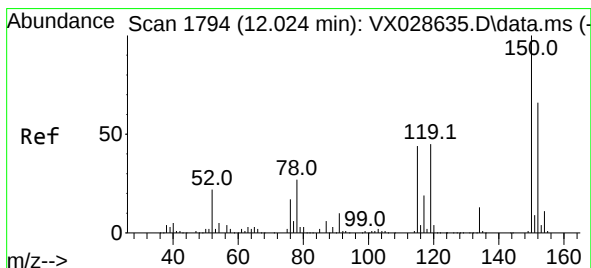
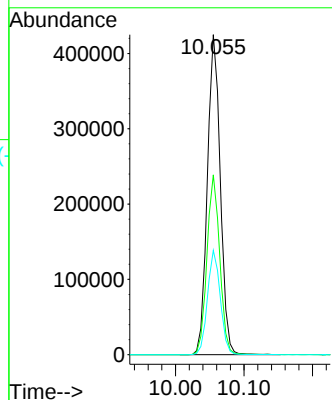
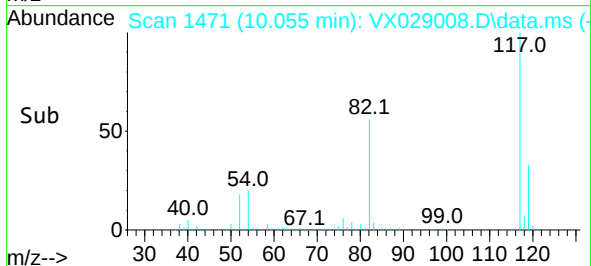


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45

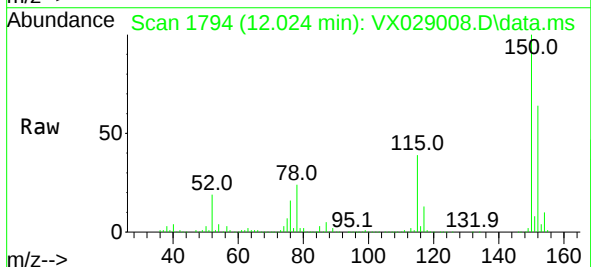
Instrument :
MSVOA_X
ClientSampleId :



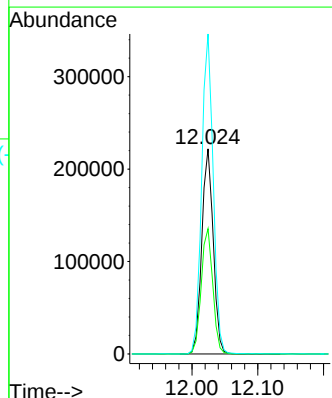
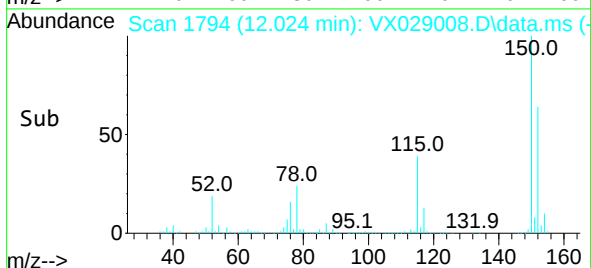
Tgt Ion:117 Resp: 558215
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.6 24.8 37.2

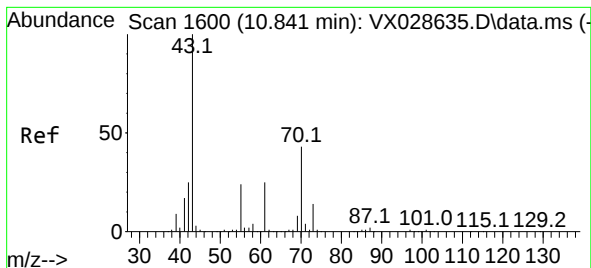


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029008.D
Acq: 26 May 2022 18:45



Tgt Ion:152 Resp: 268386
Ion Ratio Lower Upper
152 100
115 61.6 37.5 112.7
150 156.7 0.0 338.2





#74

N-amy1 acetate

Concen: 0.244 ug/l

RT: 10.860 min Scan# 1

Delta R.T. 0.019 min

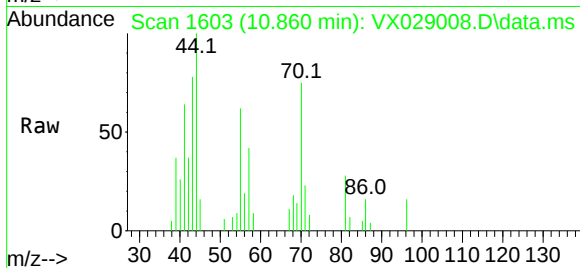
Lab File: VX029008.D

Acq: 26 May 2022 18:45

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1953

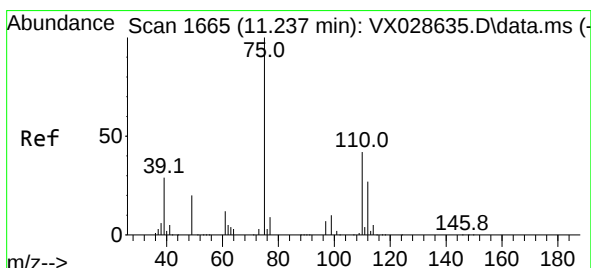
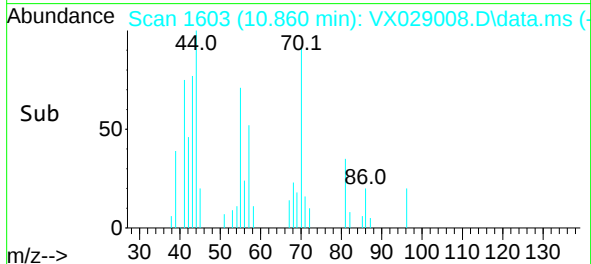
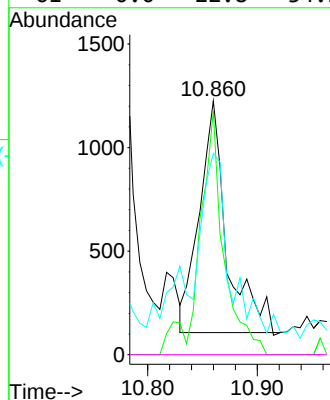
Ion Ratio Lower Upper

43 100

70 84.6 42.5 63.7#

55 73.1 23.1 34.7#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 21.752 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX029008.D

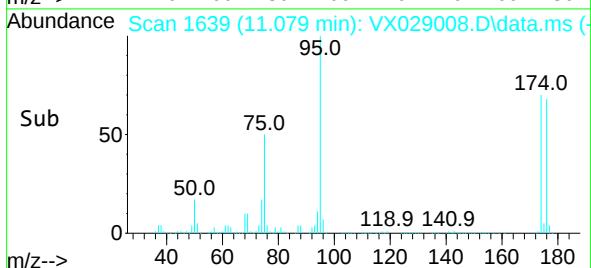
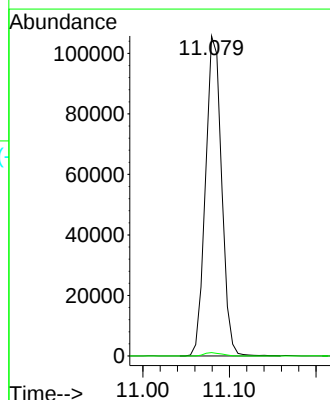
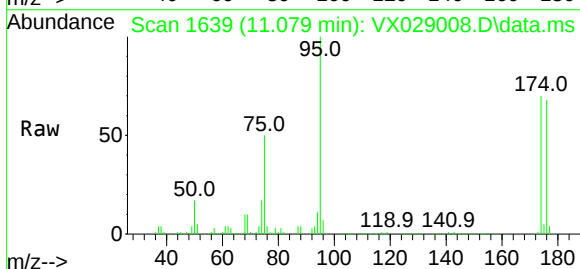
Acq: 26 May 2022 18:45

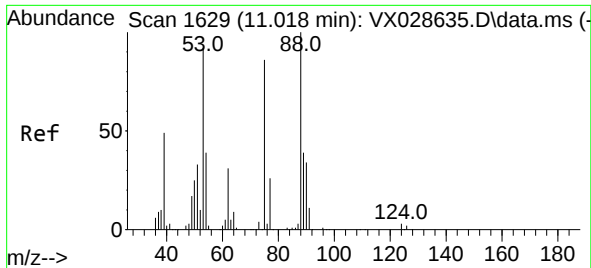
Tgt Ion: 75 Resp: 136719

Ion Ratio Lower Upper

75 100

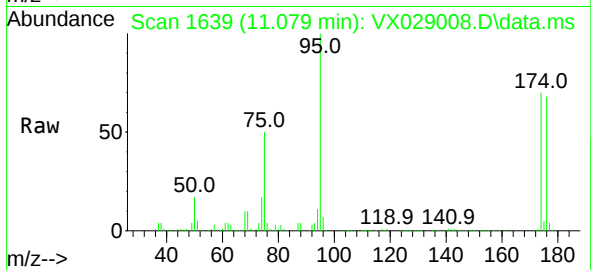
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.739 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029008.D
 Acq: 26 May 2022 18:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 136719
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

