

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023815.D
 Acq On : 18 Aug 2021 14:39
 Operator : JC/MD
 Sample : PB138522TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522TB

Quant Time: Aug 19 04:19:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

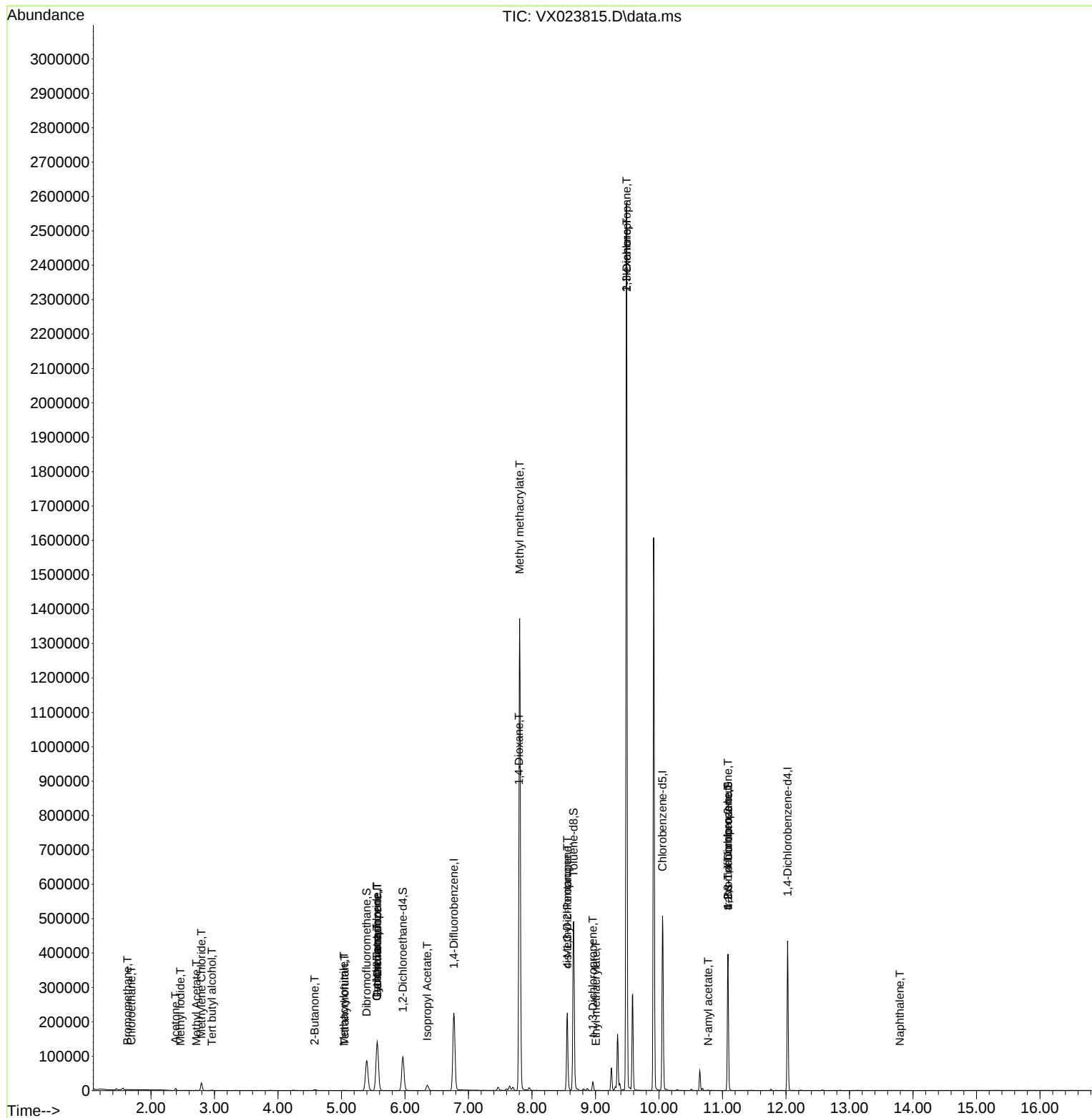
Internal Standards						
1) Pentafluorobenzene	5.562	168	132498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95806	51.808	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.620%	
35) Dibromofluoromethane	5.397	113	73446	48.836	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.680%	
50) Toluene-d8	8.653	98	289296	50.541	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	11.085	95	97892	46.457	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	440	0.468	ug/l #	77
6) Chloroethane	1.691	64	134	2.320	ug/l #	43
10) Methyl Iodide	2.465	142	375	0.202	ug/l #	63
11) Tert butyl alcohol	2.959	59	1070	2.861	ug/l #	78
16) Acetone	2.386	43	6010	7.269	ug/l	91
18) Methyl Acetate	2.715	43	1151	0.558	ug/l #	71
20) Methylene Chloride	2.794	84	9855	6.240	ug/l	93
25) 2-Butanone	4.574	43	3198	2.554	ug/l	90
29) Tetrahydrofuran	5.050	42	730	0.900	ug/l #	30
31) Cyclohexane	5.556	56	3109	1.309	ug/l #	29
36) 1,1-Dichloropropene	5.562	75	10609	5.042	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13237	6.033	ug/l #	17
41) Methacrylonitrile	5.038	41	331	0.236	ug/l #	6
43) Isopropyl Acetate	6.349	43	20599	5.091	ug/l	95
48) Methyl methacrylate	7.806	41	122186	61.907	ug/l #	38
49) 1,4-Dioxane	7.793	88	232	5.562	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77815	29.753	ug/l #	43
53) t-1,3-Dichloropropene	8.958	75	56	2.157	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	33100	13.133	ug/l #	71
56) Ethyl methacrylate	9.007	69	125	0.803	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	20961	7.614	ug/l #	42
59) 2-Hexanone	9.488	43	310742	154.572	ug/l #	43
74) N-amyl acetate	10.775	43	1212	0.417	ug/l #	40
76) 1,2,3-Trichloropropane	11.085	75	51849	26.358	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51849	77.534	ug/l #	12
95) Naphthalene	13.792	128	260	1.323	ug/l #	69

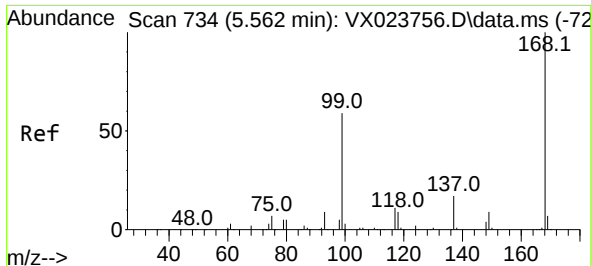
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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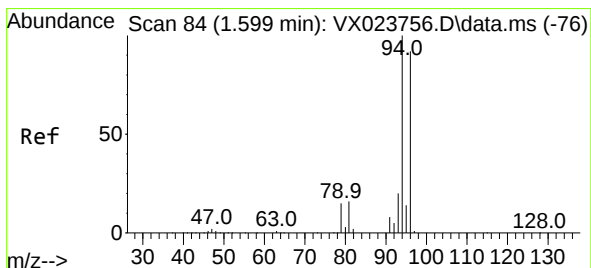
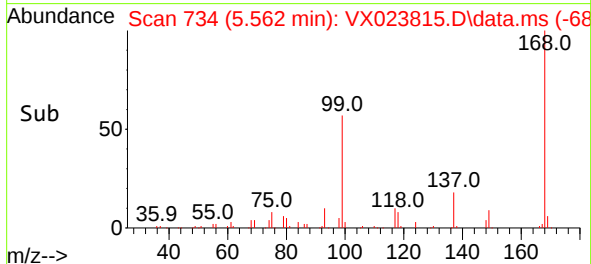
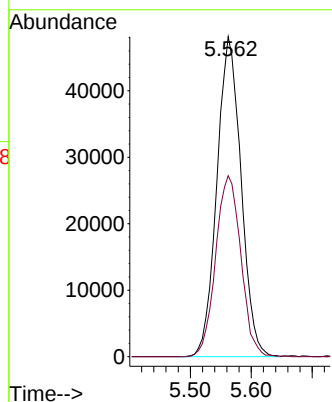
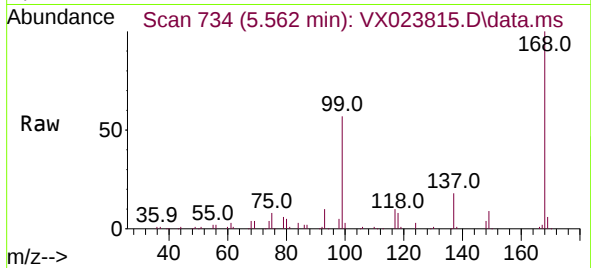




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

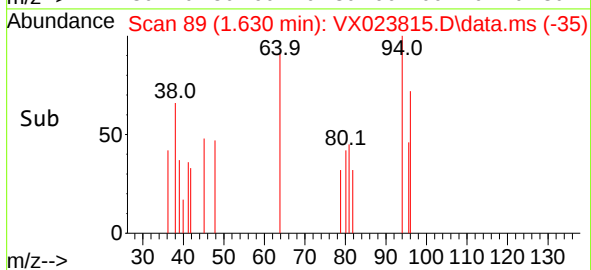
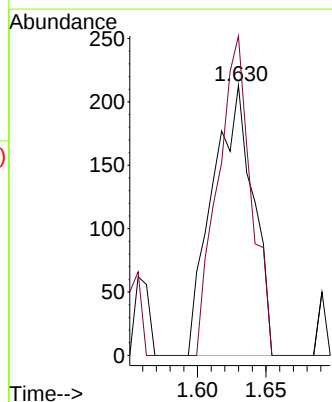
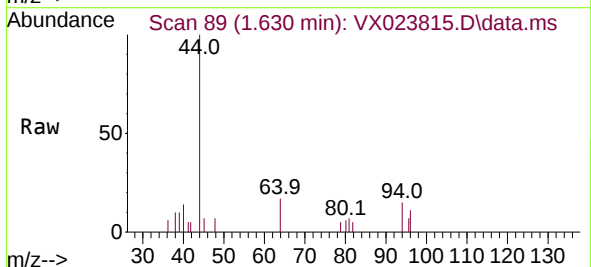
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

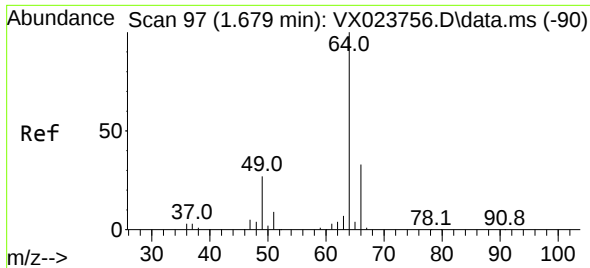
Tgt Ion:168 Resp: 132498
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#5
Bromomethane
Concen: 0.468 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 94 Resp: 440
Ion Ratio Lower Upper
94 100
96 118.3 76.4 114.6#

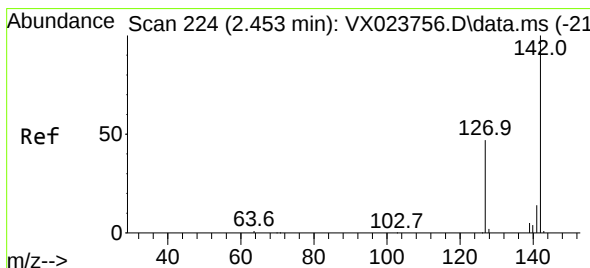
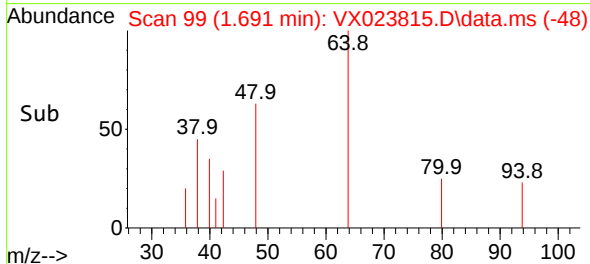
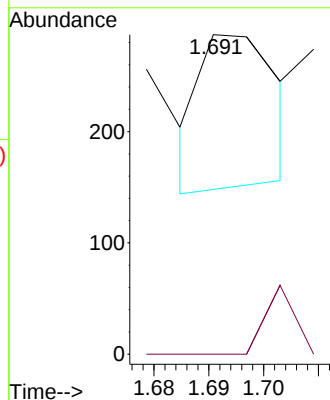
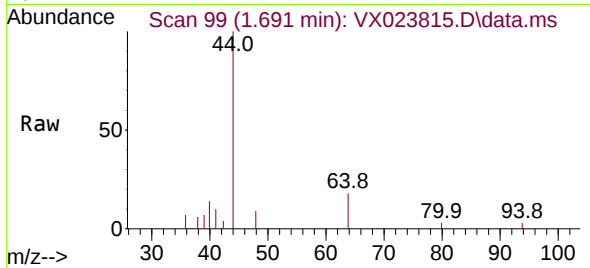




#6
Chloroethane
Concen: 2.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

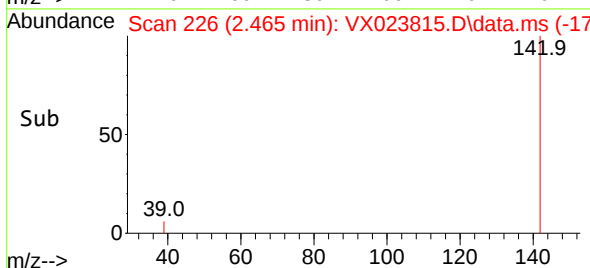
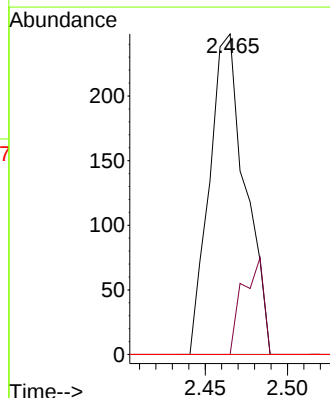
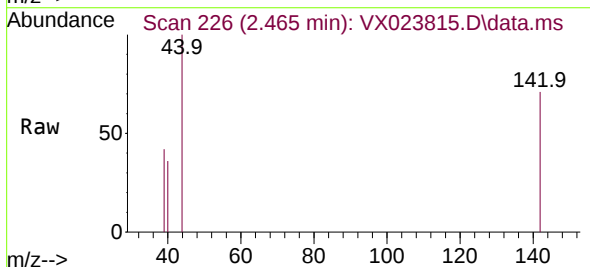
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

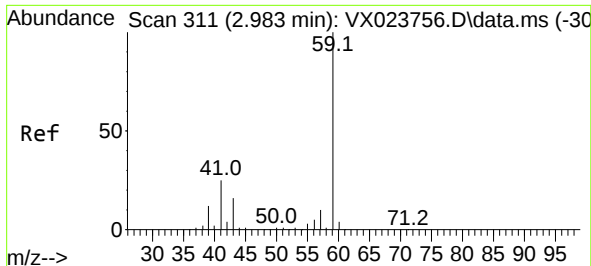
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.202 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 142 Resp: 375
Ion Ratio Lower Upper
142 100
127 17.6 33.3 49.9#
141 0.0 11.4 17.0#



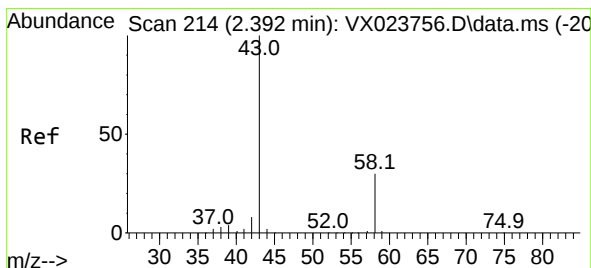
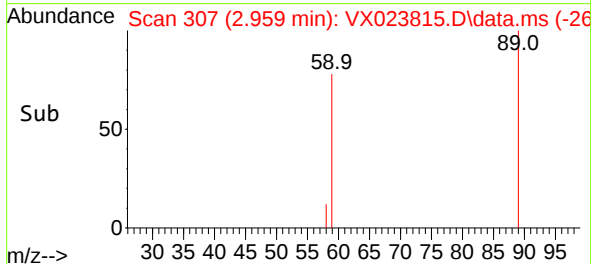
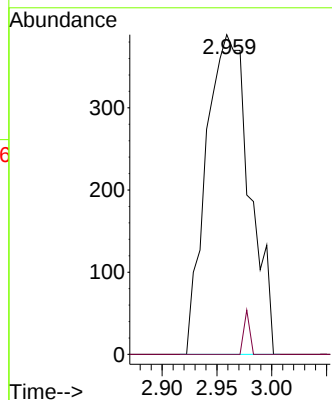
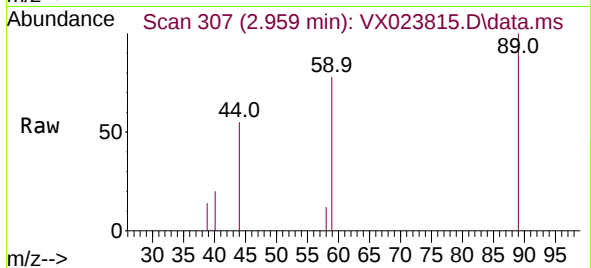


#11

Tert butyl alcohol
Concen: 2.861 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

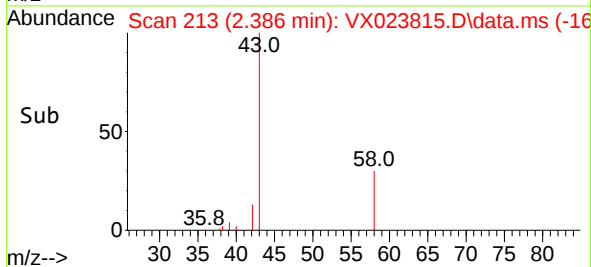
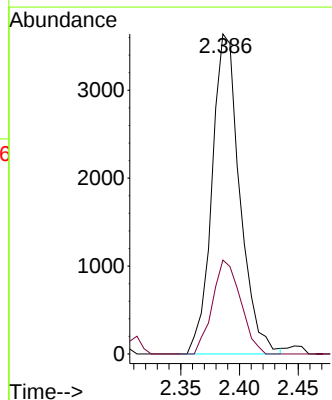
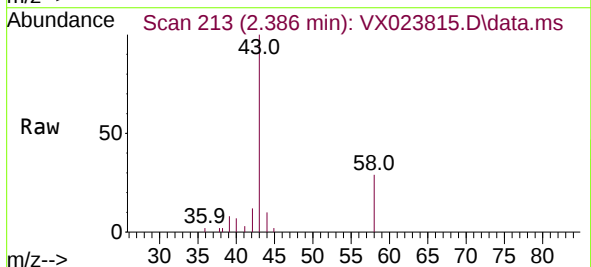
Tgt Ion: 59 Resp: 1070
Ion Ratio Lower Upper
59 100
57 1.9 7.8 11.8#

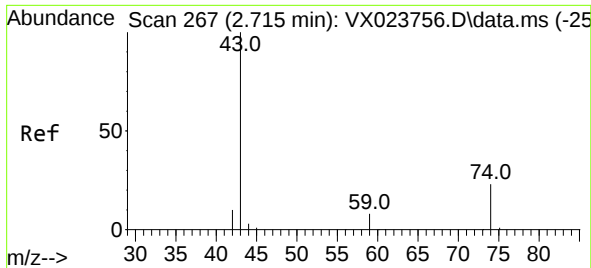


#16

Acetone
Concen: 7.269 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 43 Resp: 6010
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

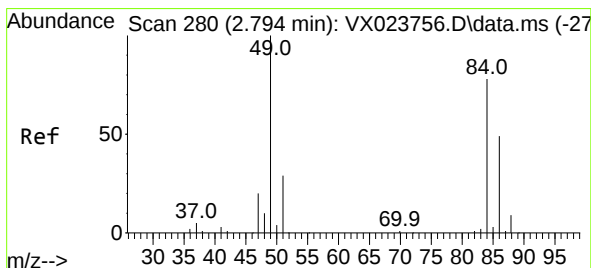
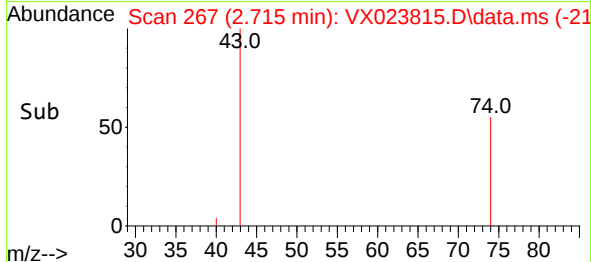
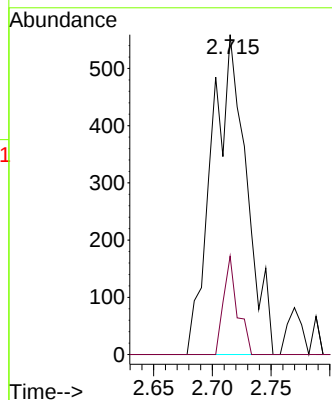
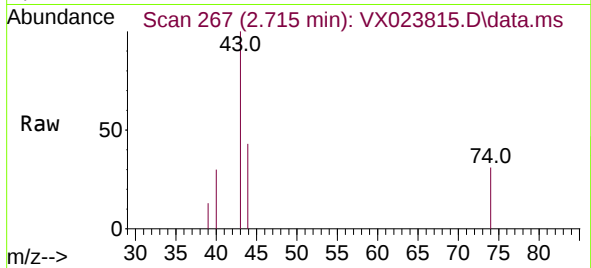




#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

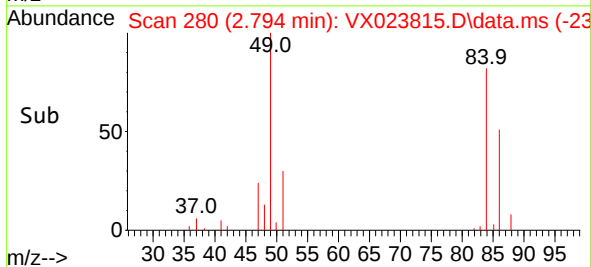
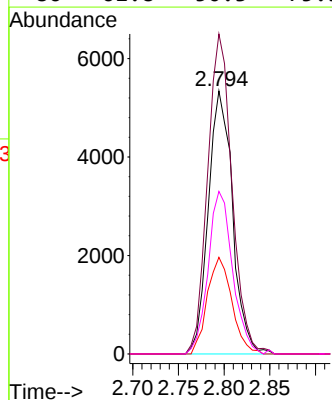
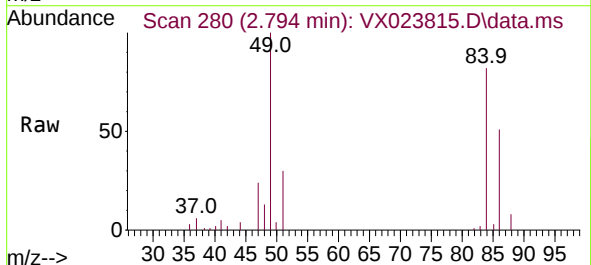
Instrument :
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ClientSampleId :
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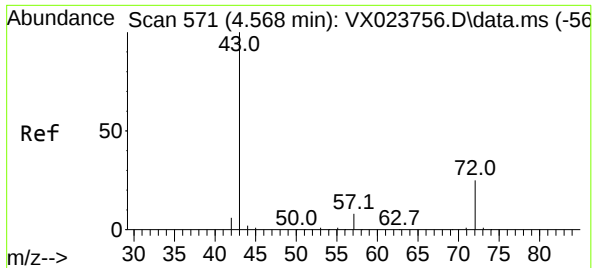
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
74 12.3 21.9 32.9#



#20
Methylene Chloride
Concen: 6.240 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 84 Resp: 9855
Ion Ratio Lower Upper
84 100
49 121.6 88.6 132.8
51 36.7 27.0 40.6
86 61.8 50.3 75.5

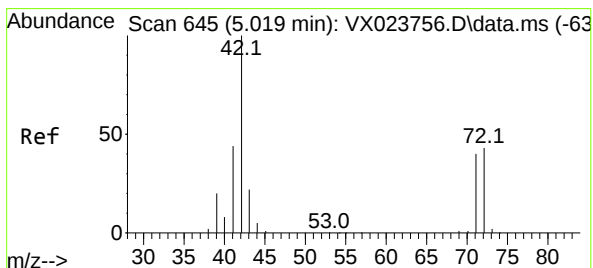
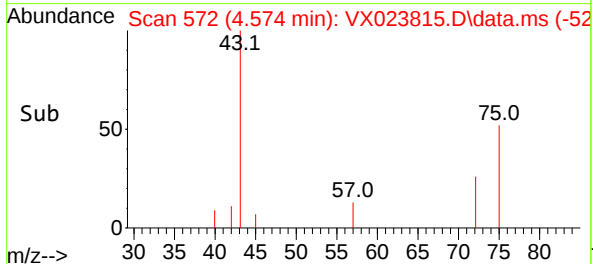
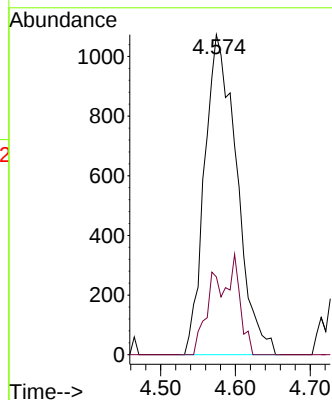
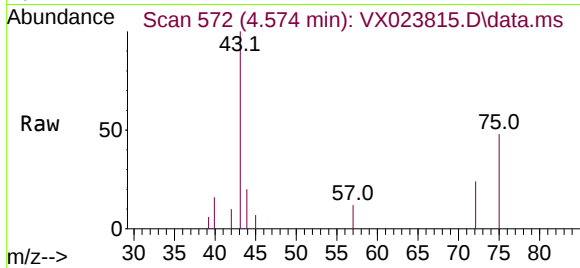




#25
2-Butanone
Concen: 2.554 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

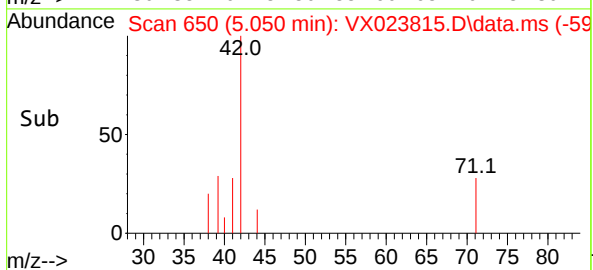
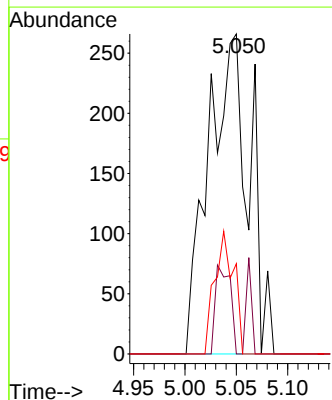
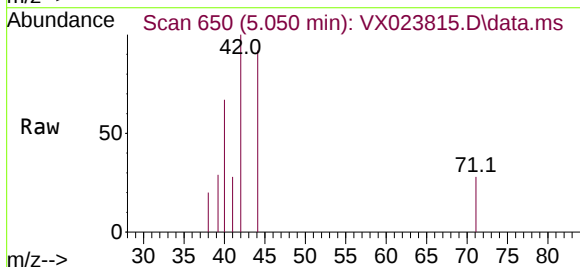
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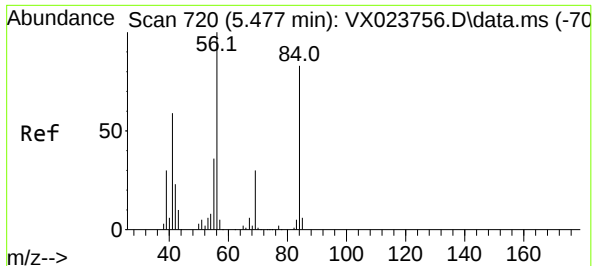
Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
72 24.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.900 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.031 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 42 Resp: 730
Ion Ratio Lower Upper
42 100
72 4.0 41.7 62.5#
71 0.0 38.4 57.6#

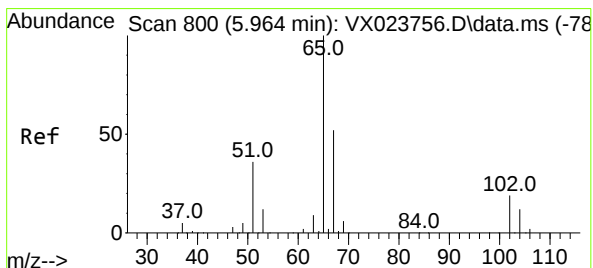
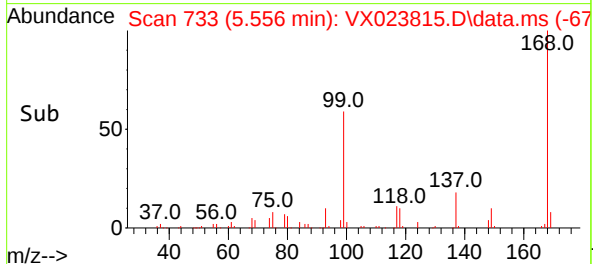
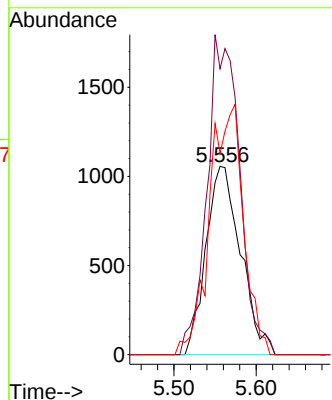
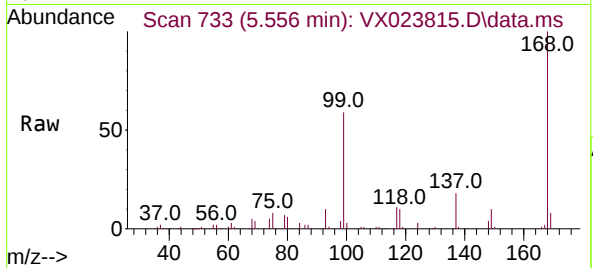




#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

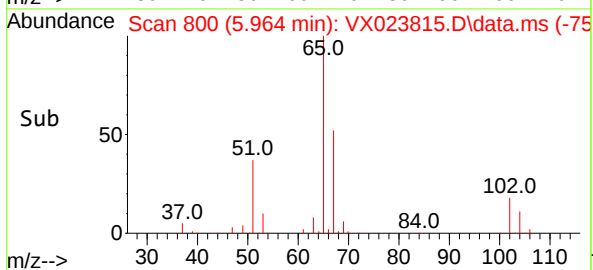
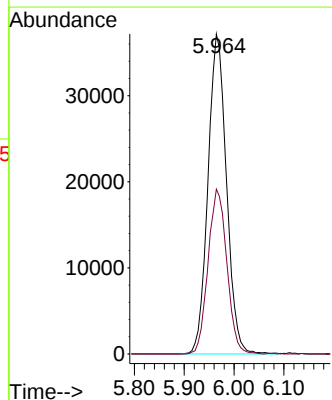
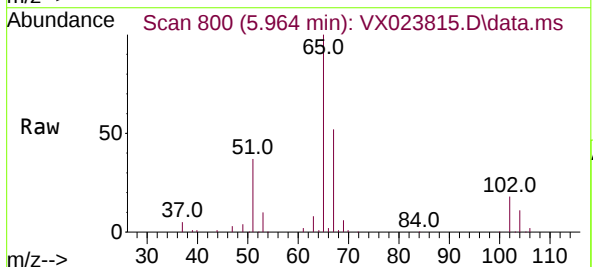
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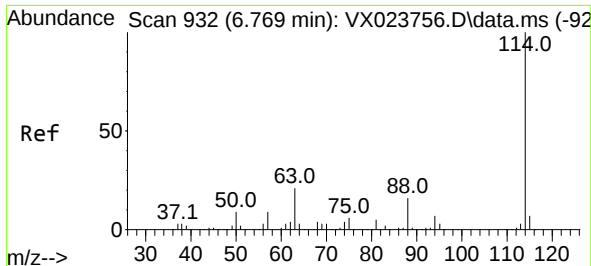
Tgt Ion: 56 Resp: 3109
Ion Ratio Lower Upper
56 100
69 151.9 25.3 37.9#
84 106.8 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.808 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 65 Resp: 95806
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

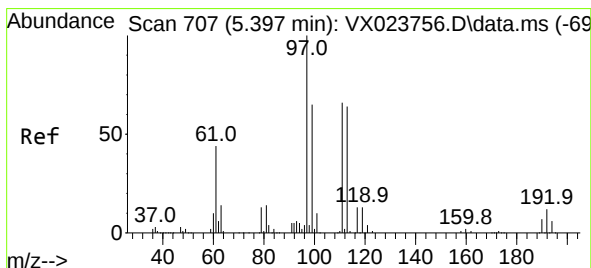
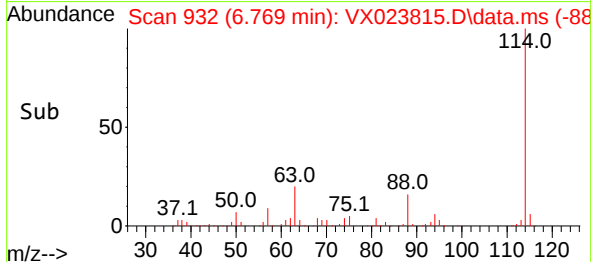
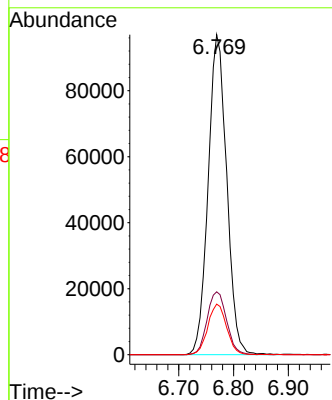
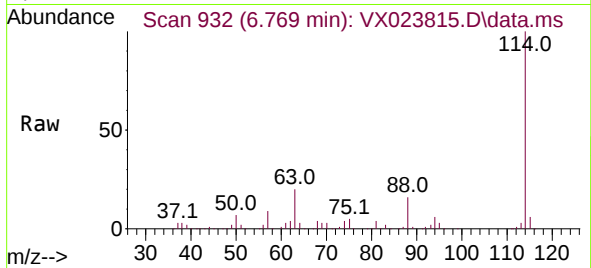




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

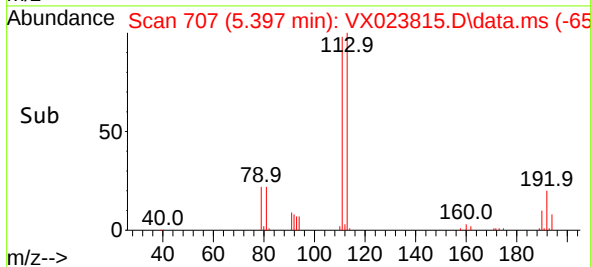
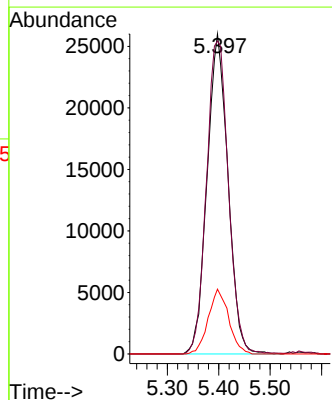
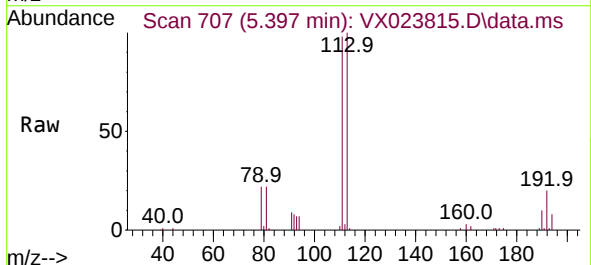
Instrument :
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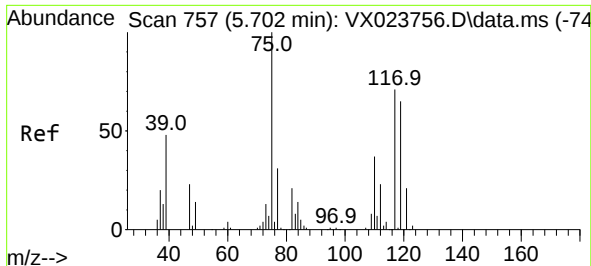
Tgt Ion:114 Resp: 227221
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.836 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion:113 Resp: 73446
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.8 16.7 25.1

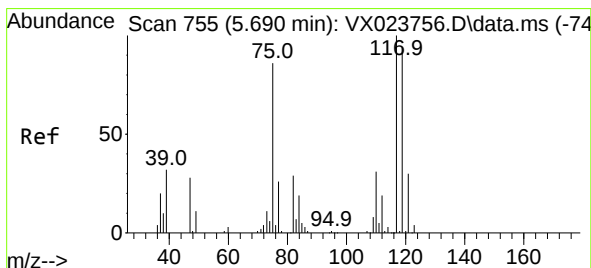
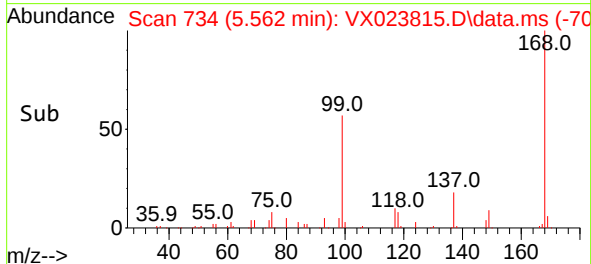
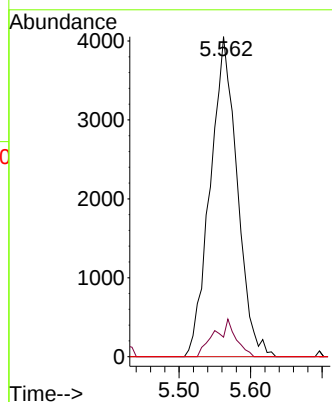
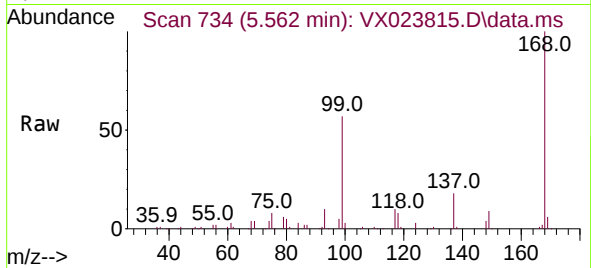




#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

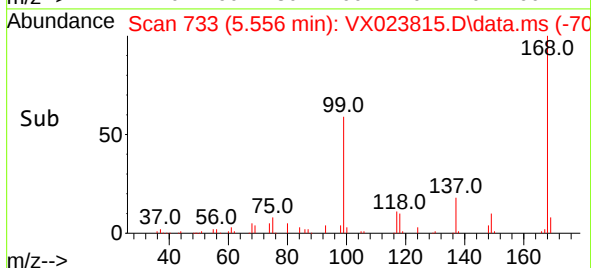
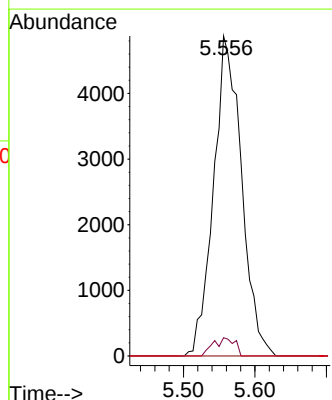
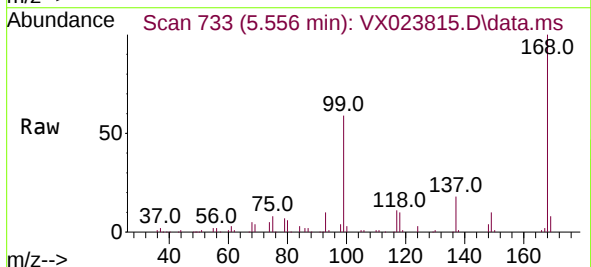
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

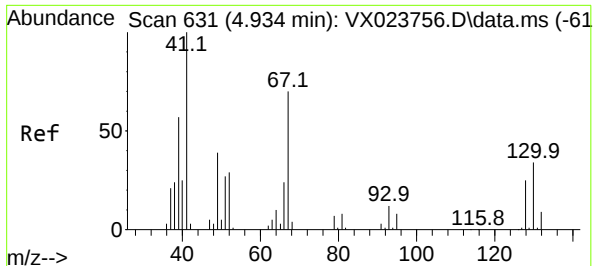
Tgt Ion: 75 Resp: 10609
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 117 Resp: 13237
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#



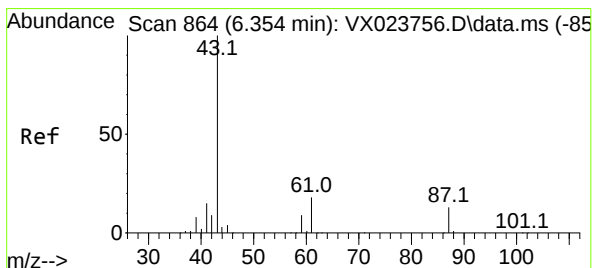
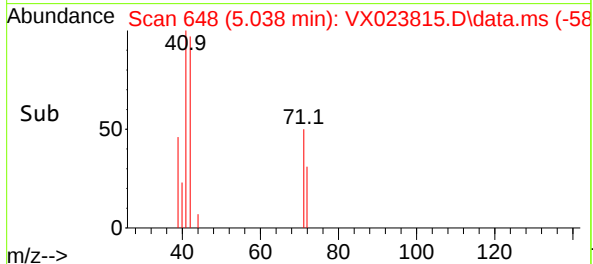
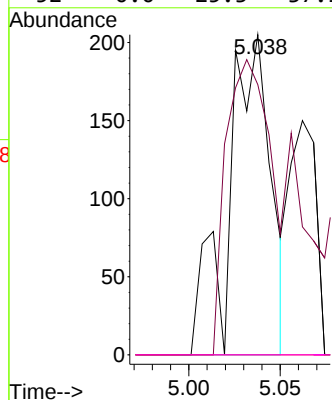
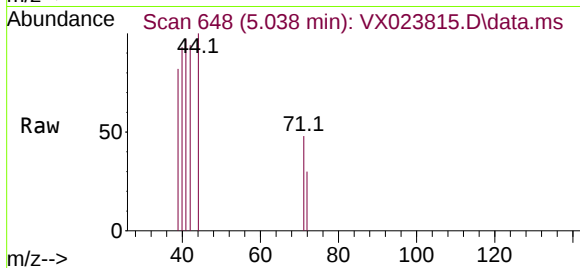


#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

Tgt Ion: 41 Resp: 331

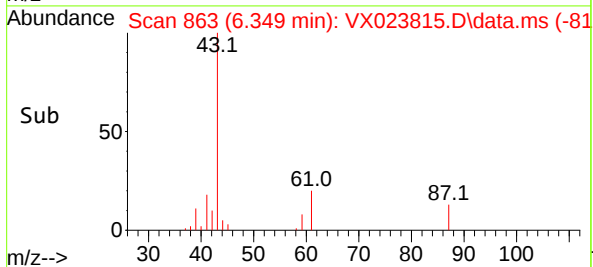
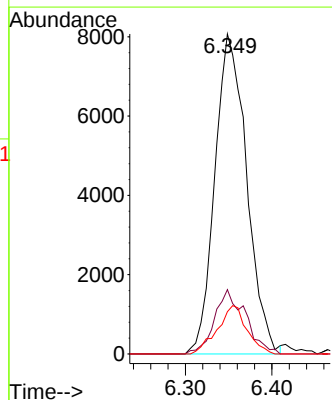
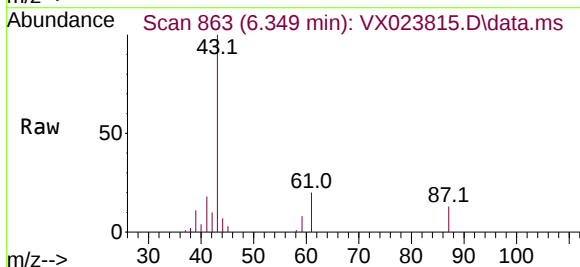
Ion	Ratio	Lower	Upper
41	100		
39	137.8	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

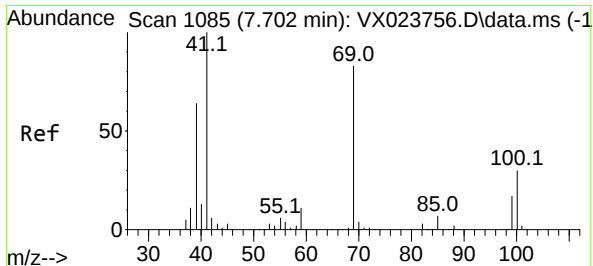


#43
Isopropyl Acetate
Concen: 5.091 ug/l
RT: 6.349 min Scan# 863
Delta R.T. -0.005 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 43 Resp: 20599

Ion	Ratio	Lower	Upper
43	100		
61	19.7	18.2	27.4
87	14.0	12.5	18.7





#48

Methyl methacrylate

Concen: 61.907 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX023815.D

Acq: 18 Aug 2021 14:39

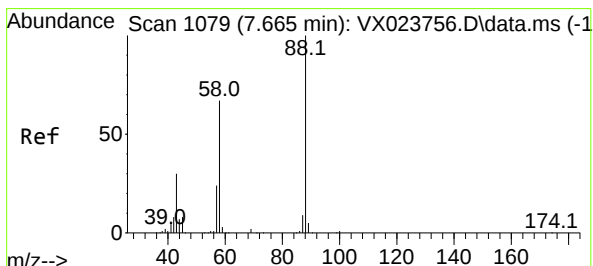
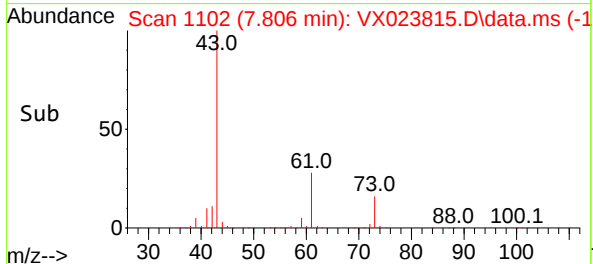
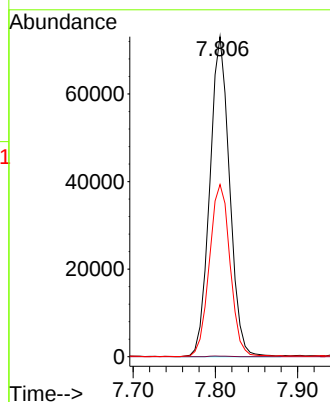
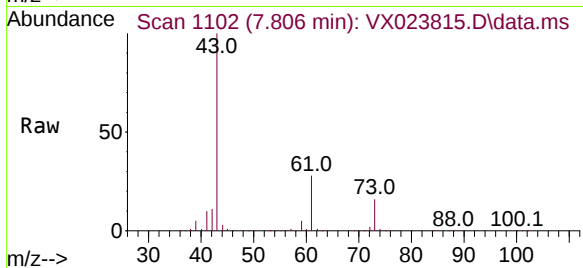
Tgt Ion: 41 Resp: 122186

Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

39 56.6 44.6 67.0



#49

1,4-Dioxane

Concen: 5.562 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX023815.D

Acq: 18 Aug 2021 14:39

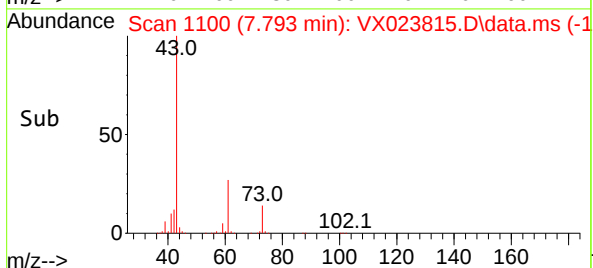
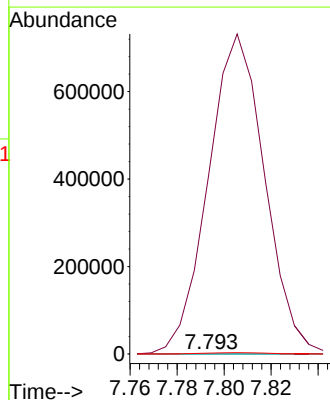
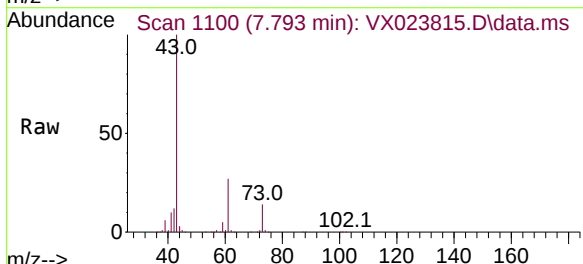
Tgt Ion: 88 Resp: 232

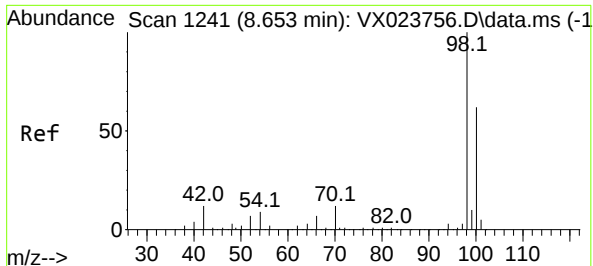
Ion Ratio Lower Upper

88 100

43 529871.6 23.2 34.8#

58 2437.9 55.0 82.4#

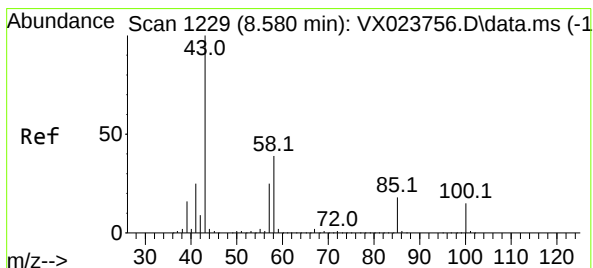
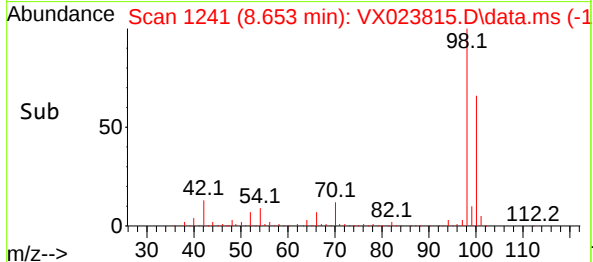
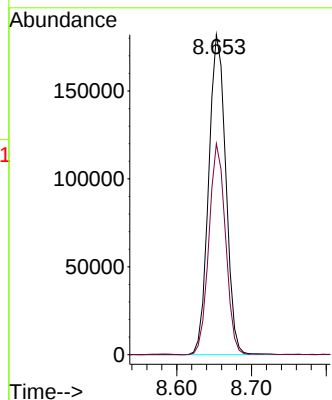
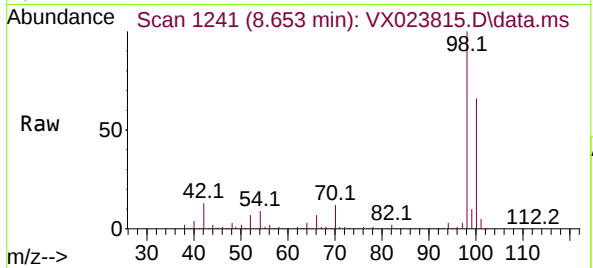




#50
Toluene-d8
Concen: 50.541 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

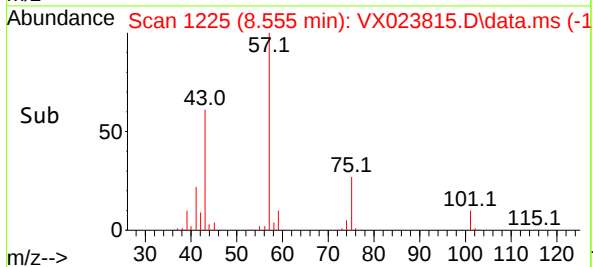
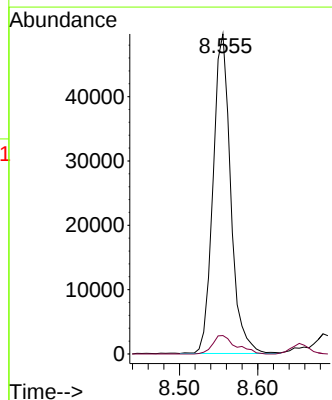
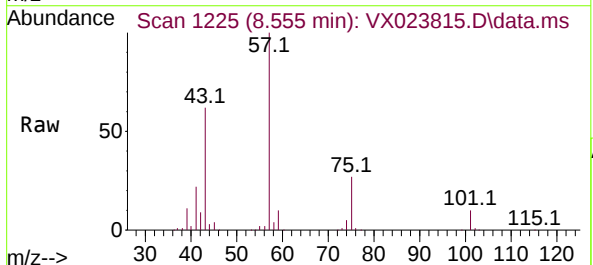
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

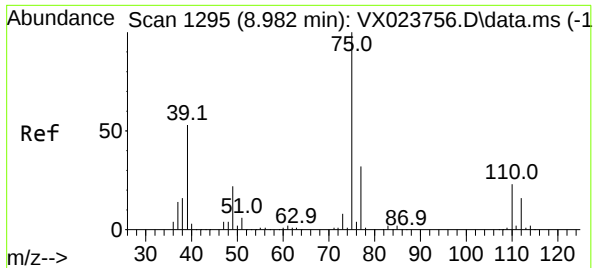
Tgt Ion: 98 Resp: 289296
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.753 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 43 Resp: 77815
Ion Ratio Lower Upper
43 100
58 7.6 35.4 53.0#

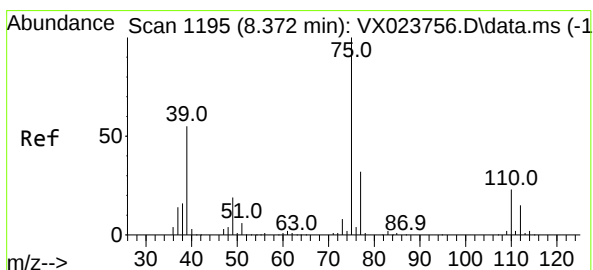
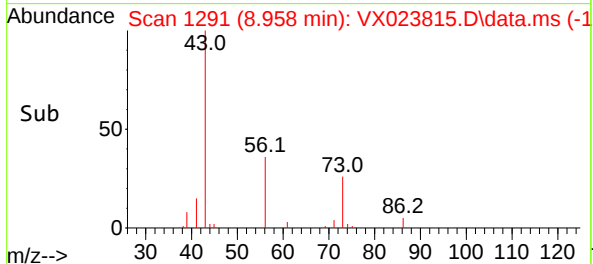
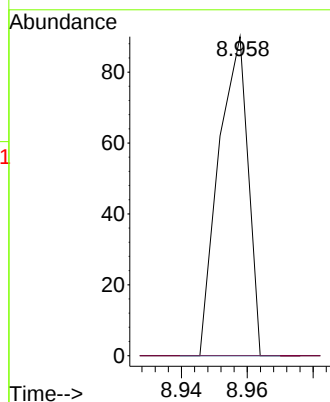
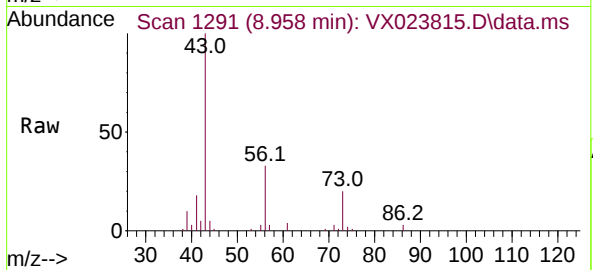




#53
t-1,3-Dichloropropene
Concen: 2.157 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

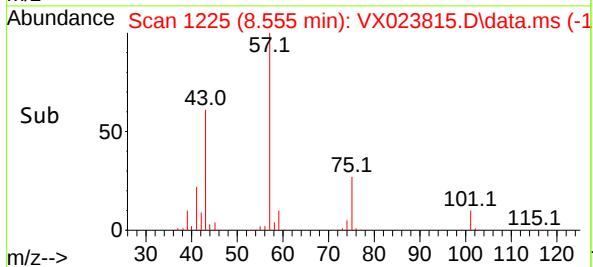
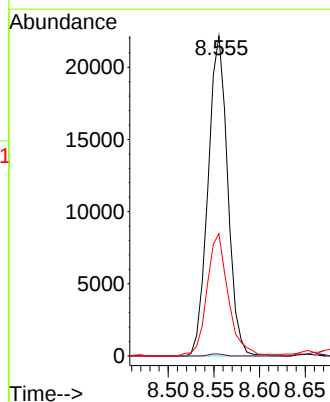
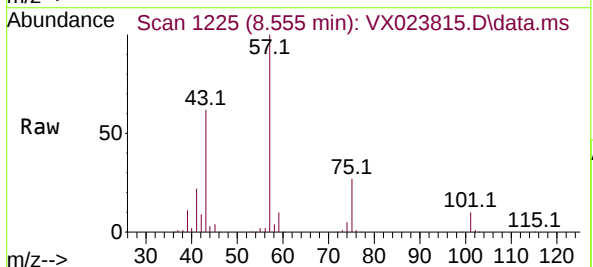
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

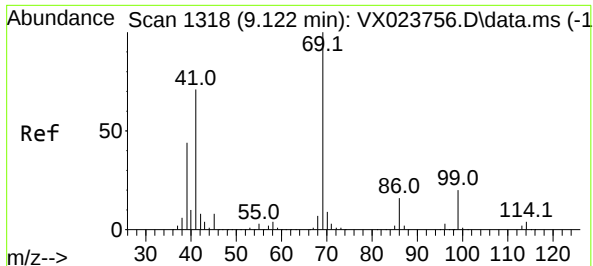
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.133 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 75 Resp: 33100
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 38.0 35.1 52.7

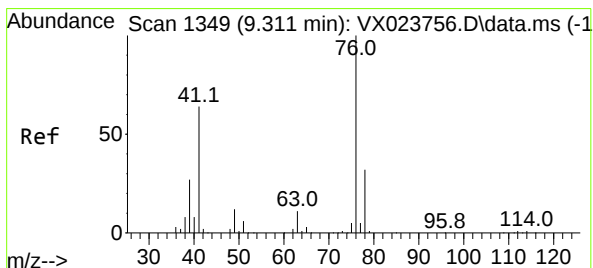
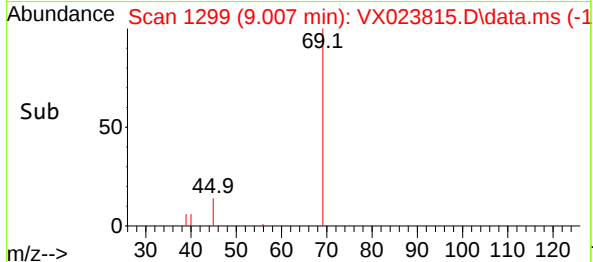
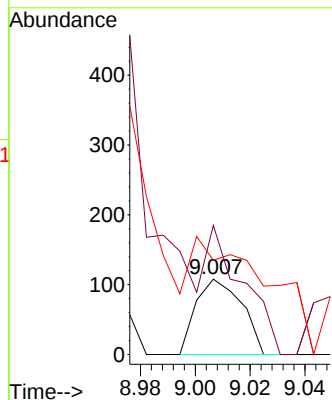
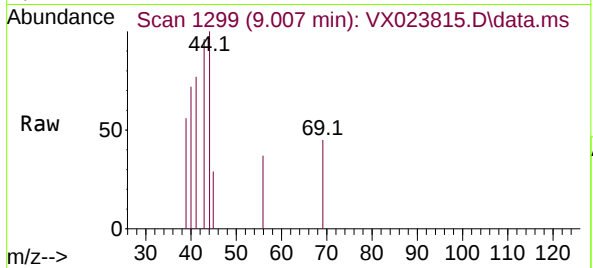




#56
Ethyl methacrylate
Concen: 0.803 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. -0.115 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

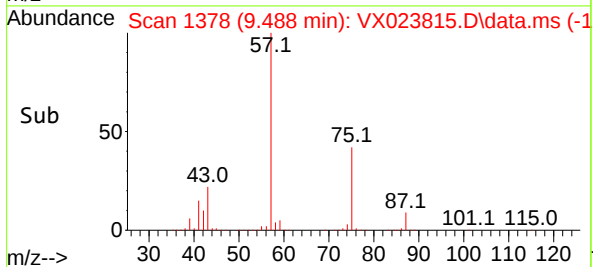
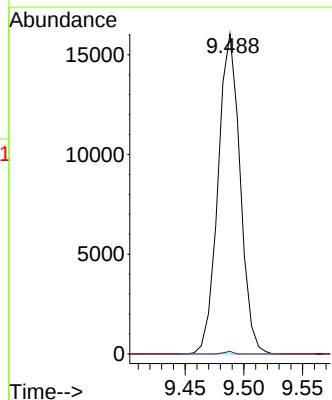
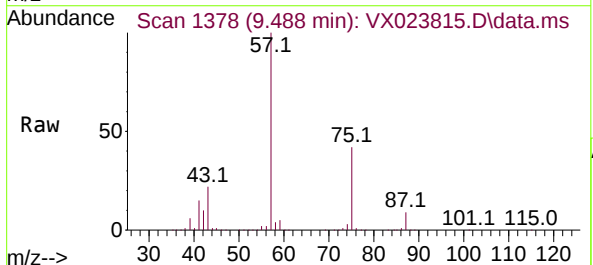
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

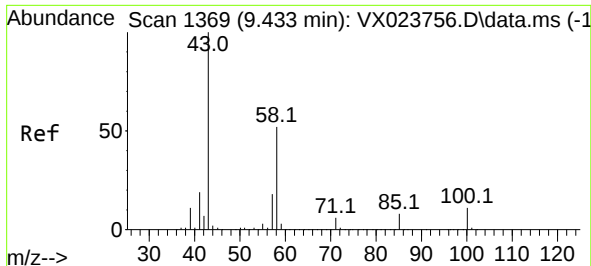
Tgt Ion: 69 Resp: 125
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 258.4 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.614 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 76 Resp: 20961
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

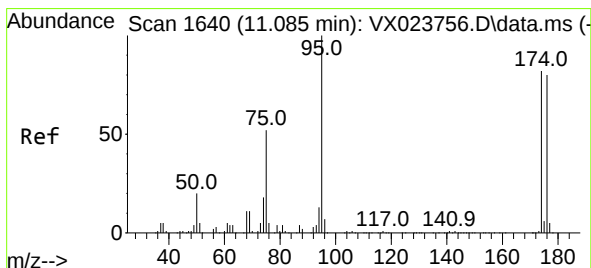
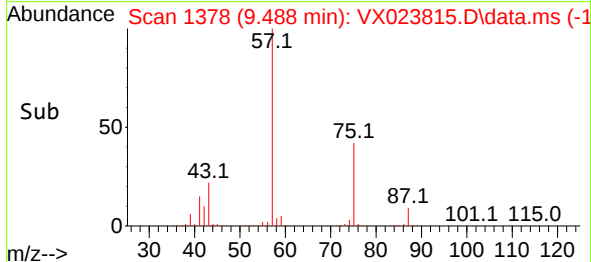
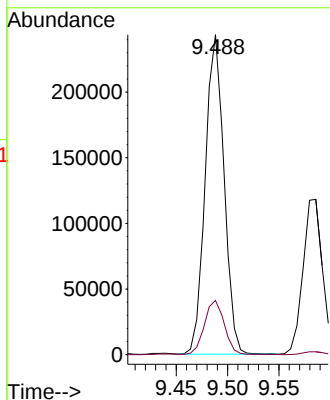
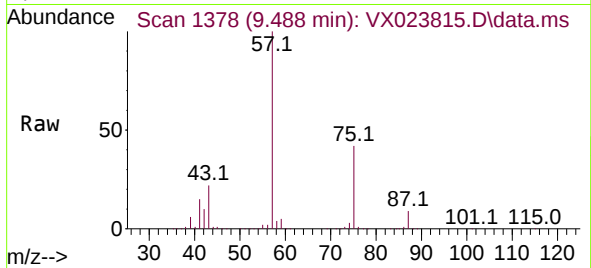




#59
2-Hexanone
Concen: 154.572 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

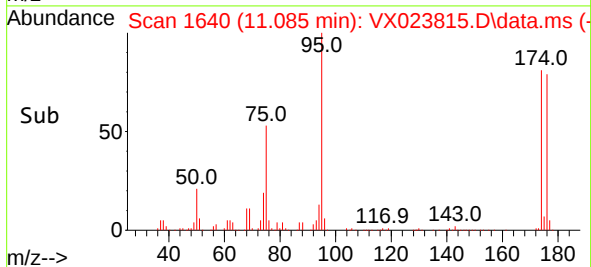
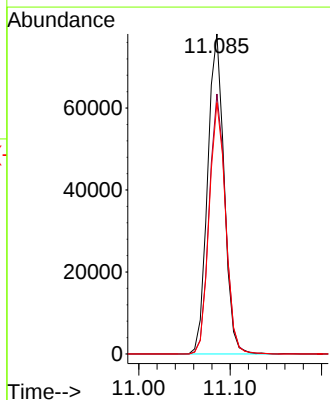
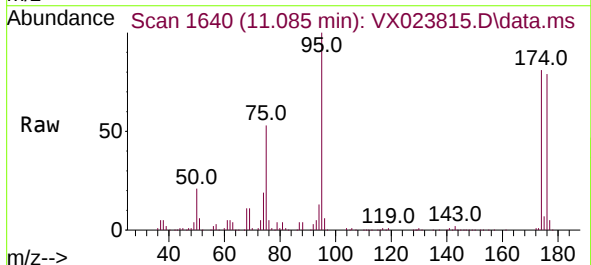
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

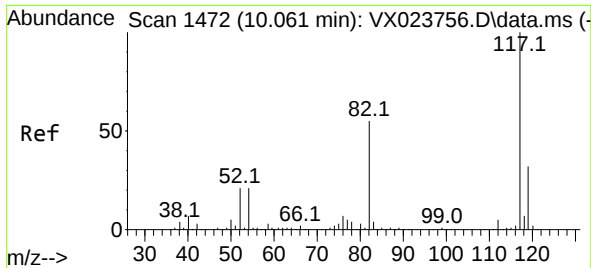
Tgt Ion: 43 Resp: 310742
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.457 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 95 Resp: 97892
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 78.3 0.0 155.8

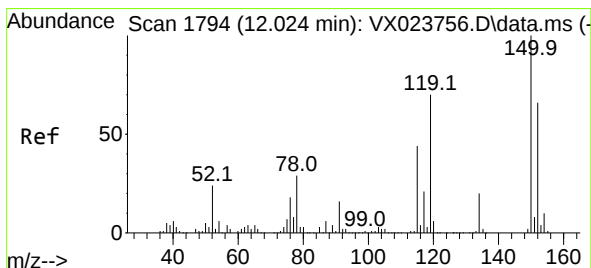
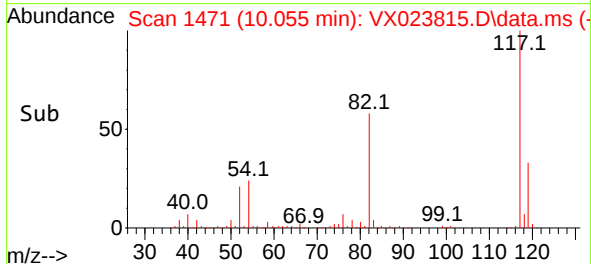
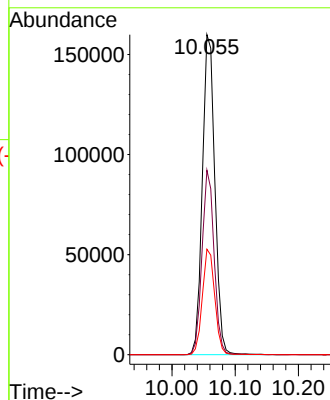
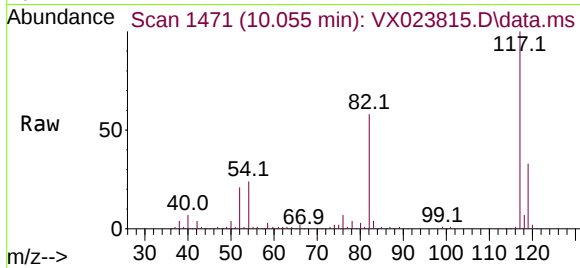




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

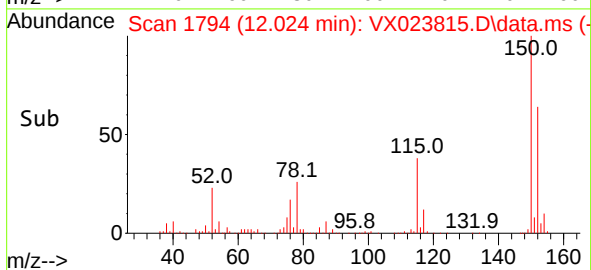
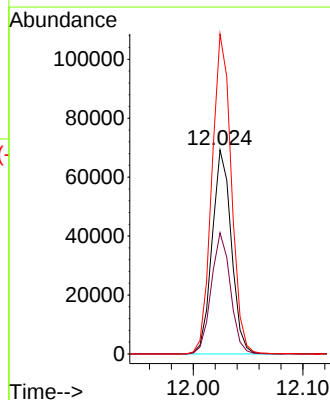
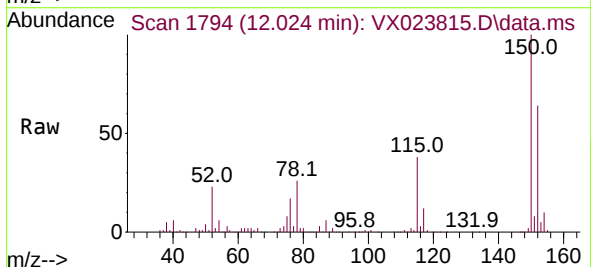
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

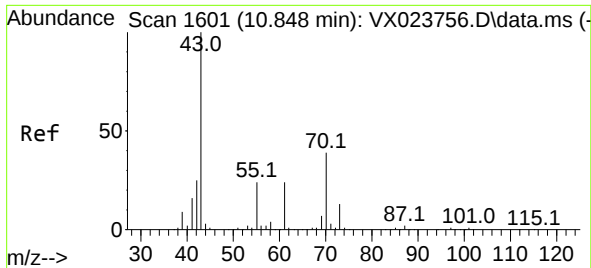
Tgt Ion:117 Resp: 220157
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 33.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion:152 Resp: 84325
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 158.6 0.0 349.0

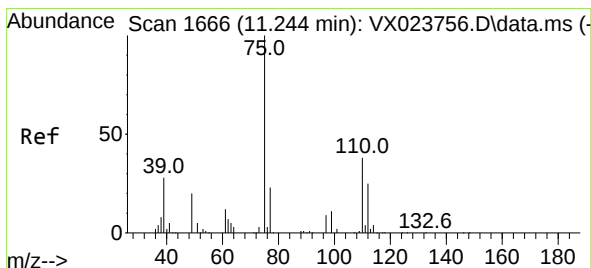
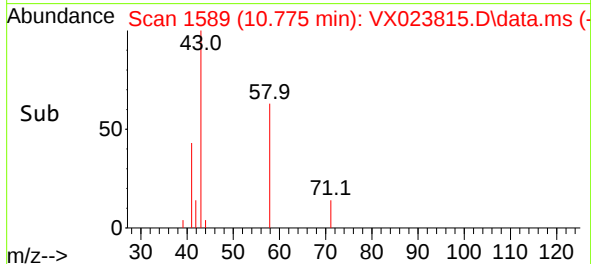
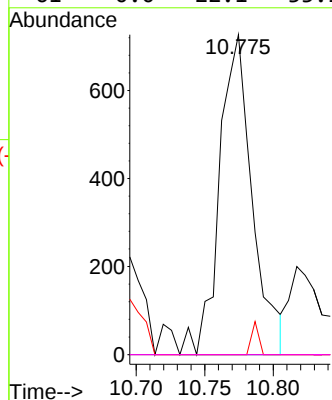
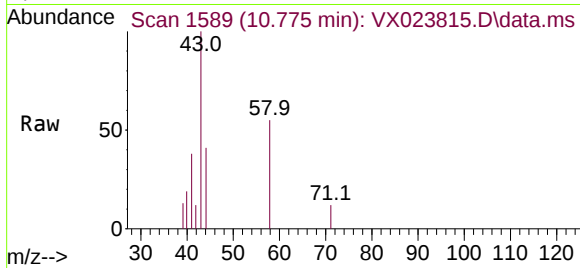




#74
N-amy1 acetate
Concen: 0.417 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

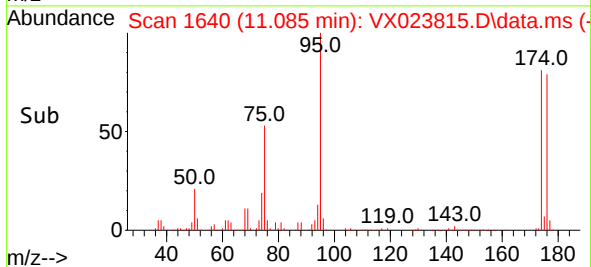
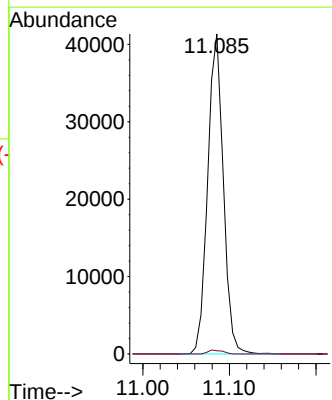
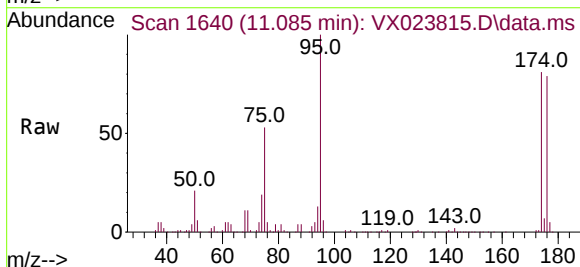
Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

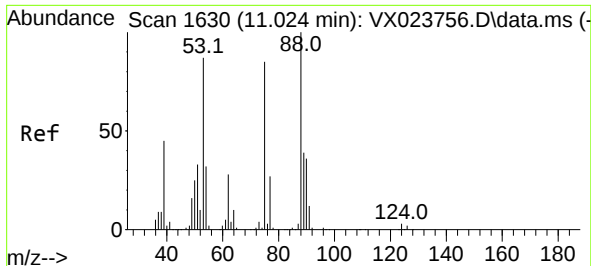
Tgt Ion: 43	Resp: 1212
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	2.2 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.358 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 75	Resp: 51849
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#

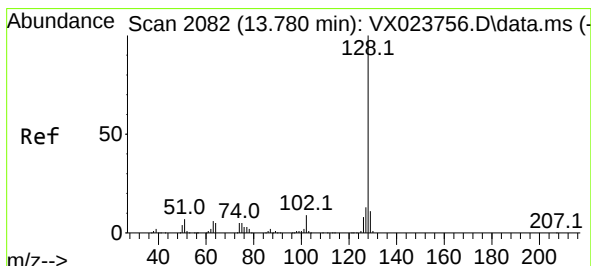
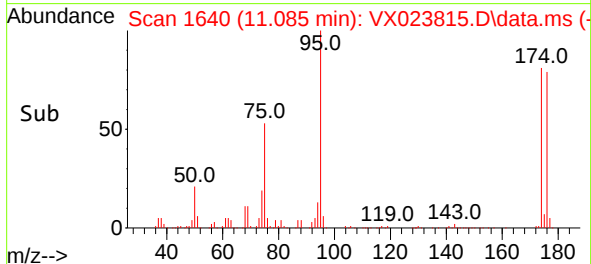
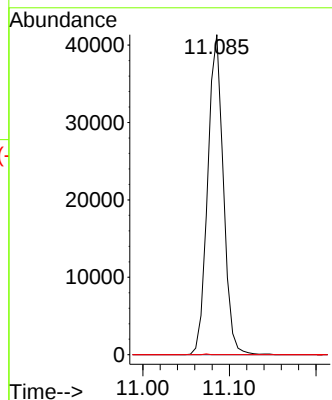
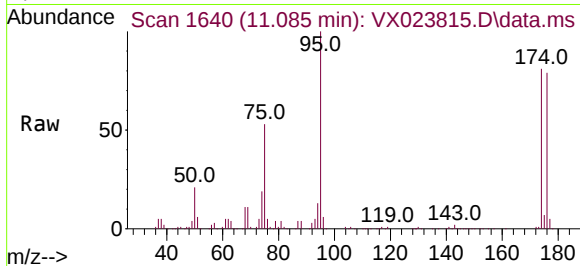




#81
trans-1,4-Dichloro-2-butene
Concen: 77.534 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Instrument :
MSVOA_X
ClientSampleId :
PB138522TB

Tgt Ion: 75 Resp: 51849
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.323 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX023815.D
Acq: 18 Aug 2021 14:39

Tgt Ion: 128 Resp: 260
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

