

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023816.D
 Acq On : 18 Aug 2021 15:03
 Operator : JC/MD
 Sample : PB138522ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#01

Quant Time: Aug 19 04:19:14 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)

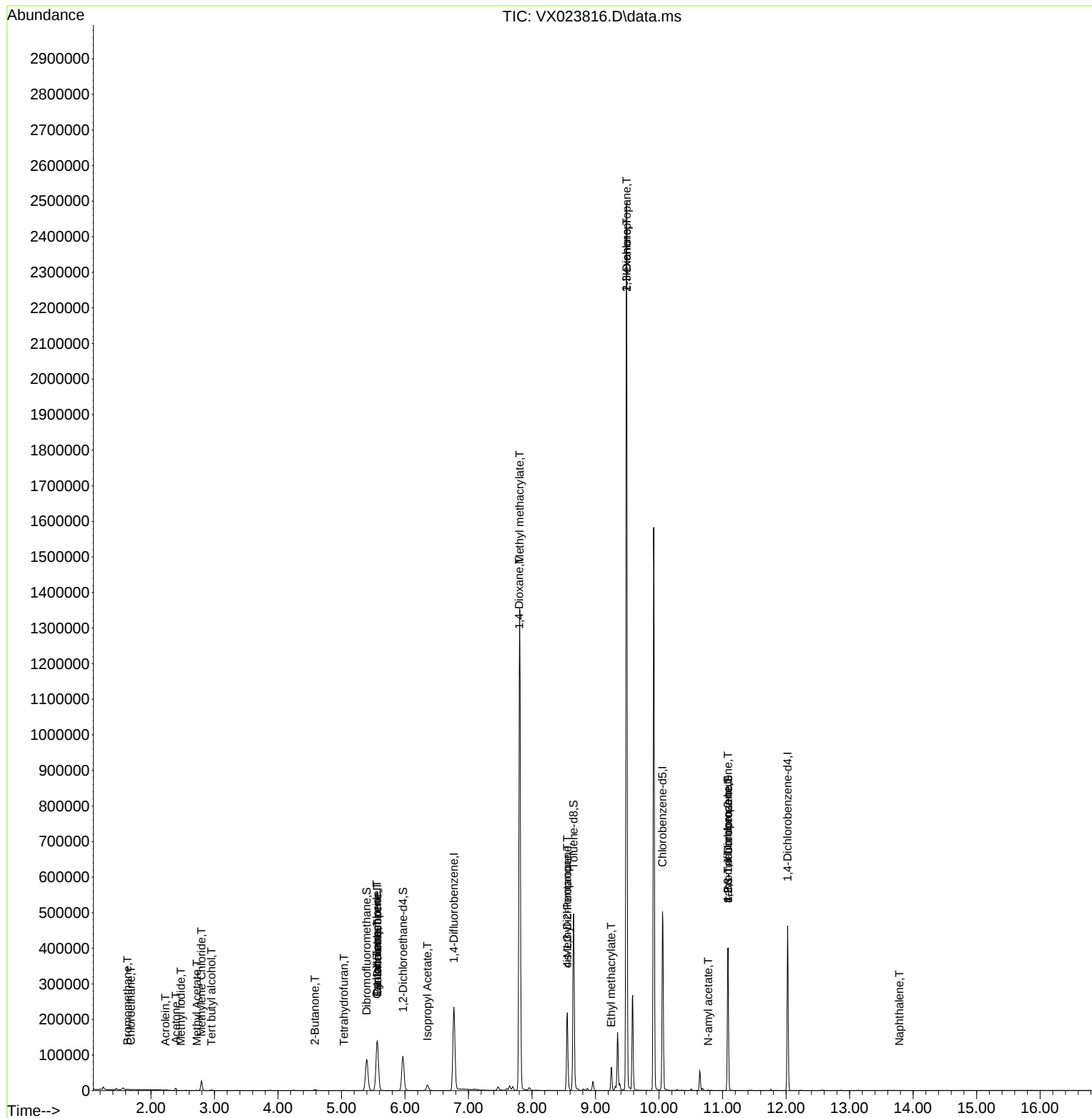
Internal Standards						
1) Pentafluorobenzene	5.562	168	132094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	94638	51.333	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.660%		
35) Dibromofluoromethane	5.397	113	73800	49.263	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.520%		
50) Toluene-d8	8.653	98	284518	49.900	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.800%		
62) 4-Bromofluorobenzene	11.085	95	98652	47.000	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	485	0.517	ug/l #	59
6) Chloroethane	1.685	64	250	2.409	ug/l #	43
10) Methyl Iodide	2.471	142	372	0.201	ug/l #	68
11) Tert butyl alcohol	2.953	59	1382	3.707	ug/l #	73
13) Acrolein	2.227	56	62	0.279	ug/l #	14
16) Acetone	2.392	43	6508	7.895	ug/l	96
18) Methyl Acetate	2.721	43	1040	0.505	ug/l	91
20) Methylene Chloride	2.794	84	11067	7.029	ug/l #	87
25) 2-Butanone	4.580	43	3128	2.505	ug/l	96
29) Tetrahydrofuran	5.038	42	597	0.738	ug/l #	51
31) Cyclohexane	5.562	56	3008	1.270	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	10328	4.927	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13079	5.984	ug/l #	17
43) Isopropyl Acetate	6.354	43	20868	5.178	ug/l	93
48) Methyl methacrylate	7.805	41	122144	62.128	ug/l #	38
49) 1,4-Dioxane	7.799	88	236	5.680	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77157	29.617	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	32419	12.913	ug/l #	70
56) Ethyl methacrylate	9.244	69	274	0.855	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	20342	7.418	ug/l #	42
59) 2-Hexanone	9.488	43	304684	152.151	ug/l #	43
74) N-amyl acetate	10.774	43	924	0.298	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	51773	24.648	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51773	72.503	ug/l #	12
95) Naphthalene	13.786	128	159	1.306	ug/l #	69

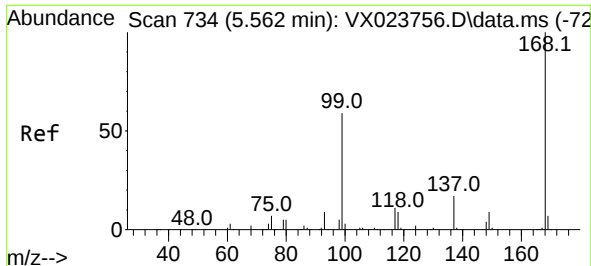
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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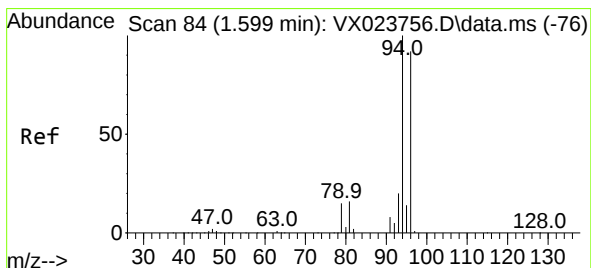
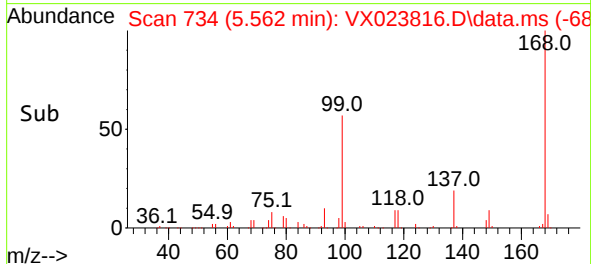
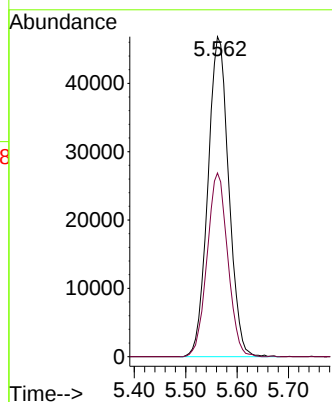
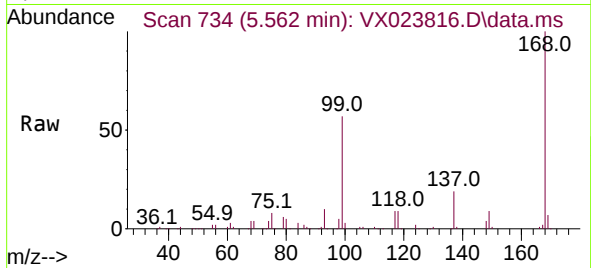




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

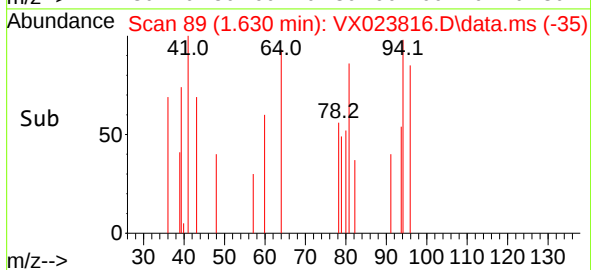
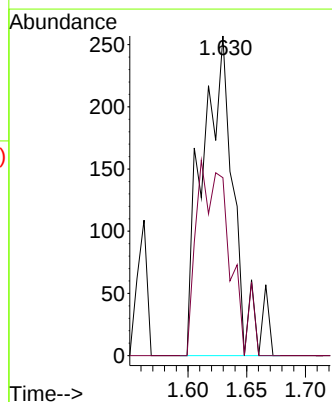
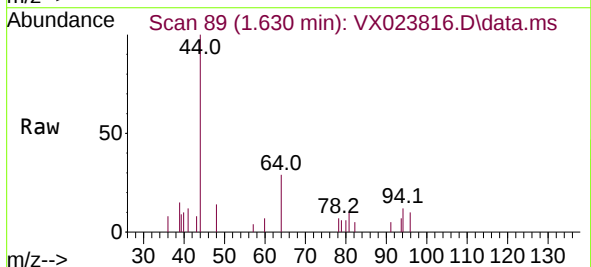
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

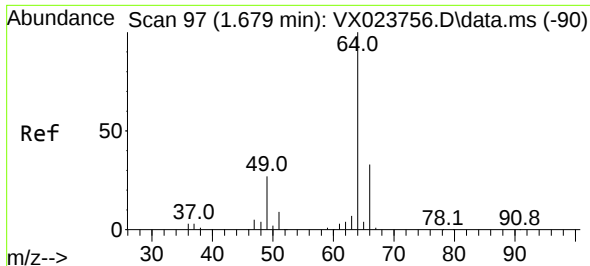
Tgt Ion:168 Resp: 132094
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.517 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 55.6 76.4 114.6#

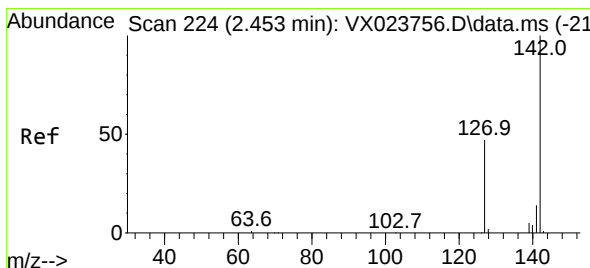
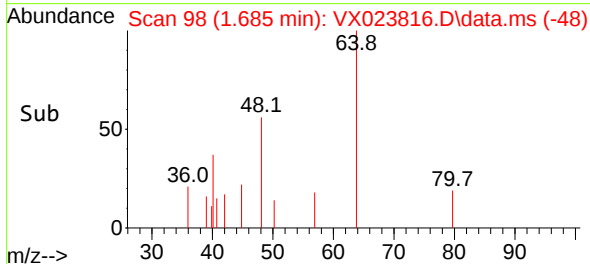
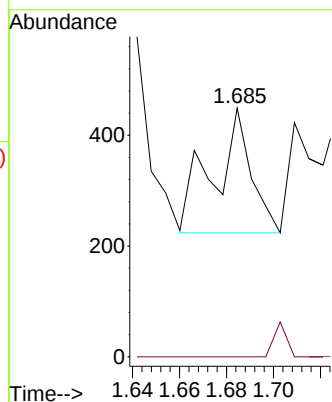
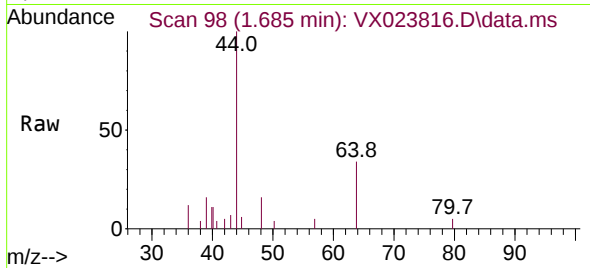




#6
Chloroethane
Concen: 2.409 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

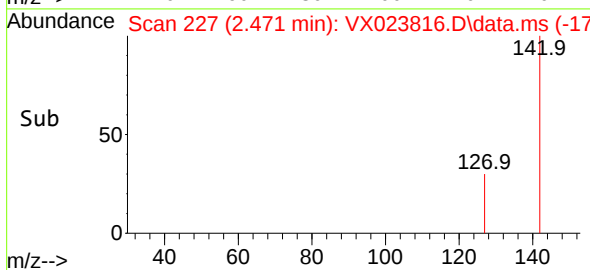
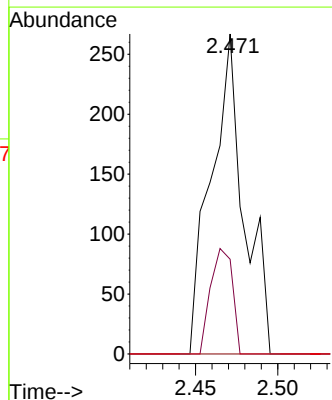
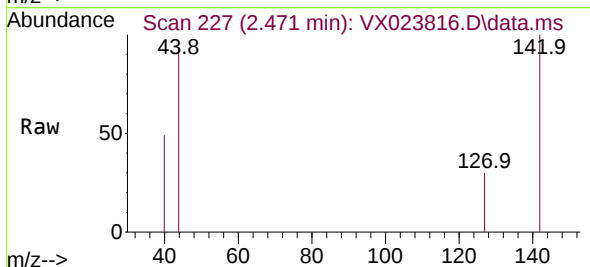
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

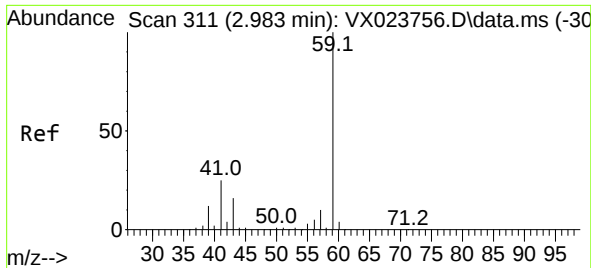
Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.201 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 142 Resp: 372
Ion Ratio Lower Upper
142 100
127 21.8 33.3 49.9#
141 0.0 11.4 17.0#



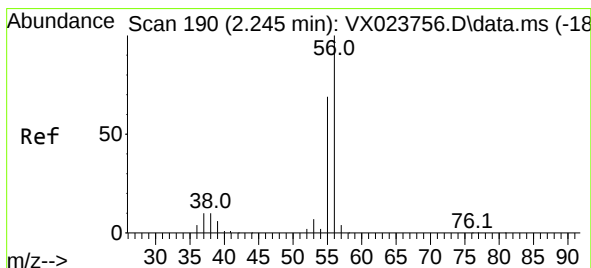
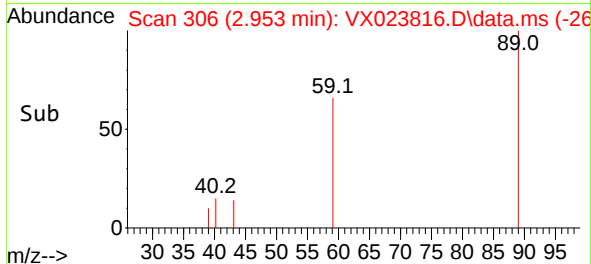
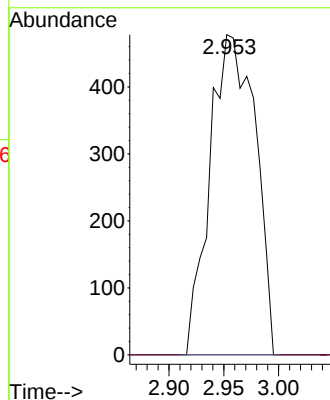
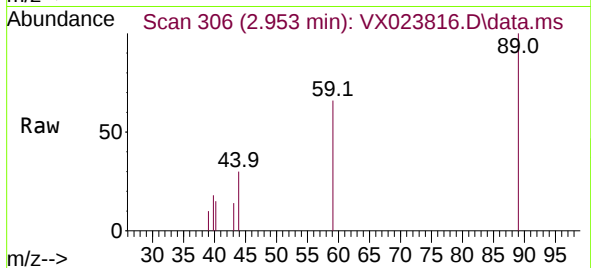


#11

Tert butyl alcohol
Concen: 3.707 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

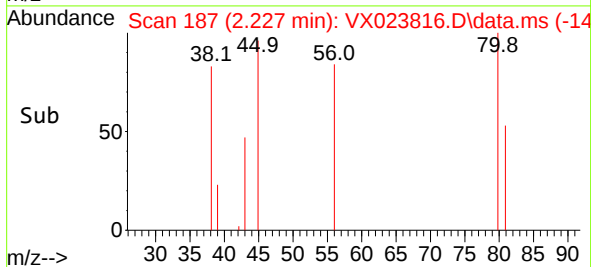
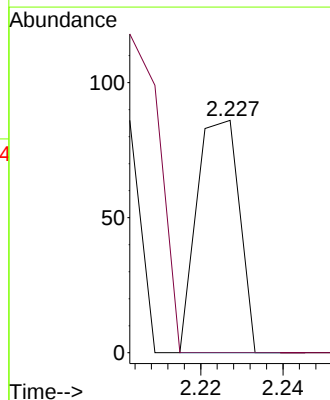
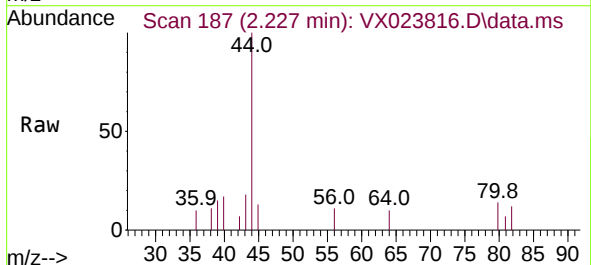
Tgt Ion: 59 Resp: 1382
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

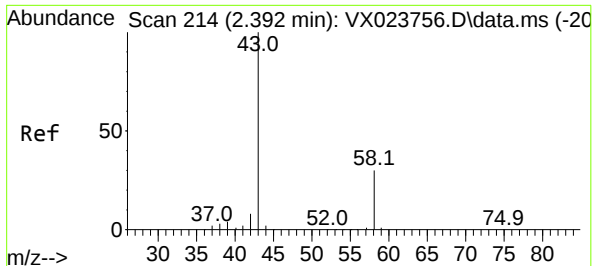


#13

Acrolein
Concen: 0.279 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.018 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

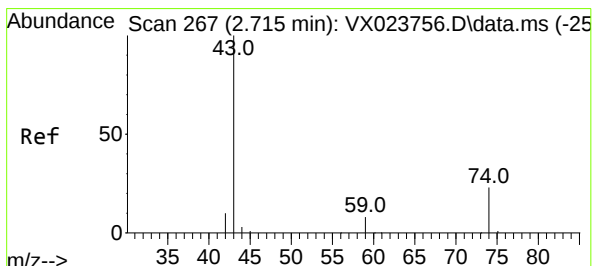
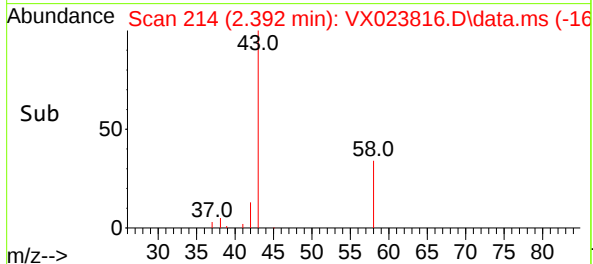
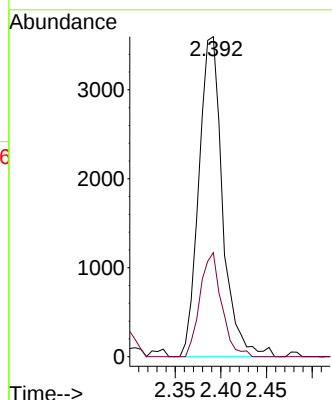
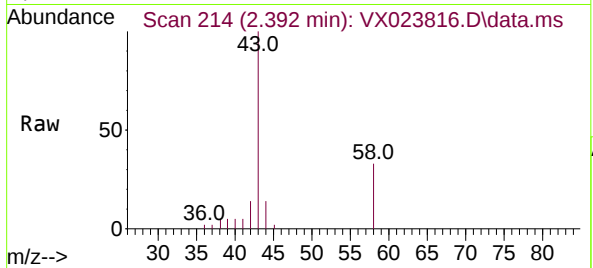




#16
Acetone
Concen: 7.895 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

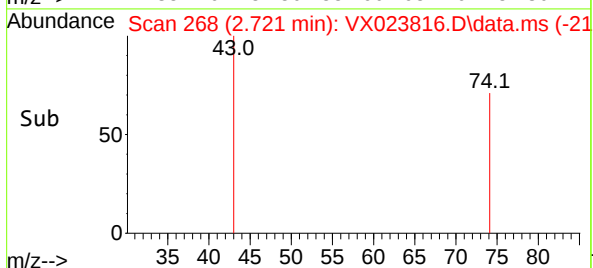
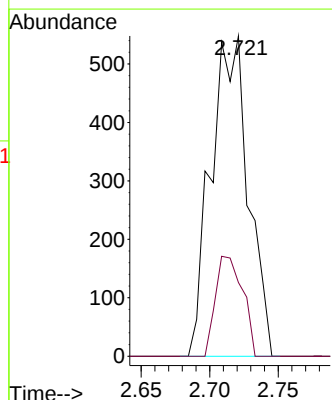
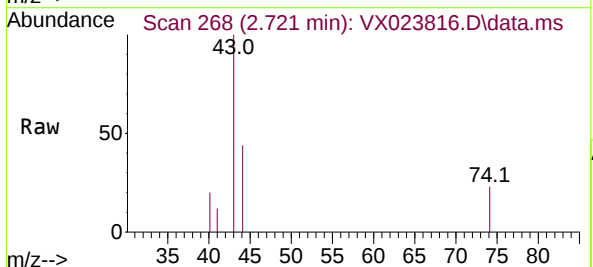
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

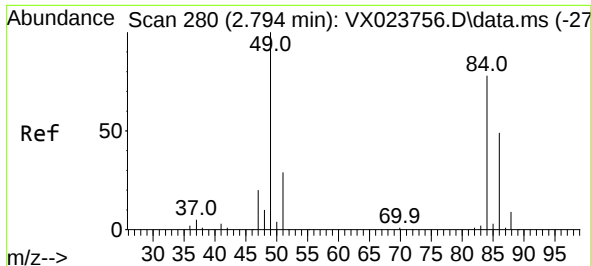
Tgt Ion: 43 Resp: 6508
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 22.7 21.9 32.9

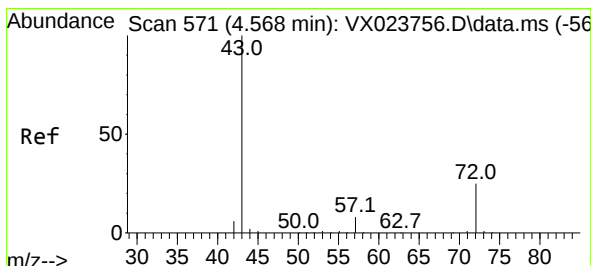
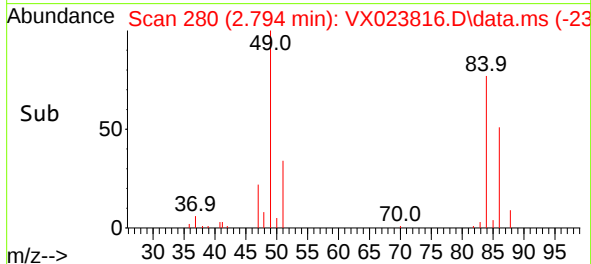
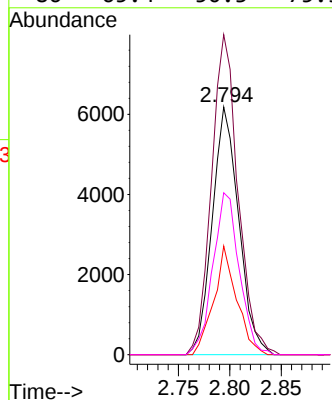
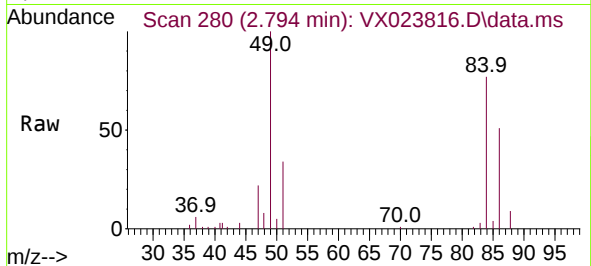




#20
Methylene Chloride
Concen: 7.029 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

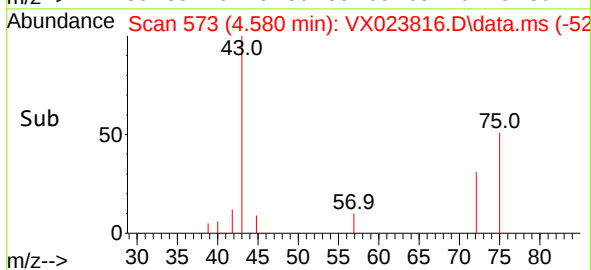
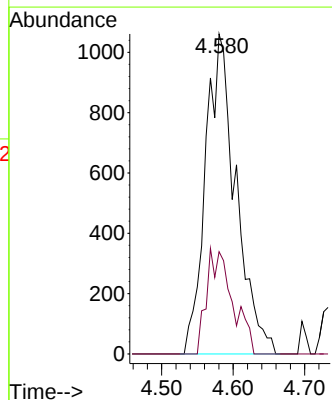
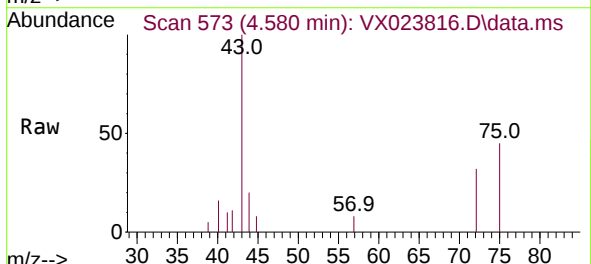
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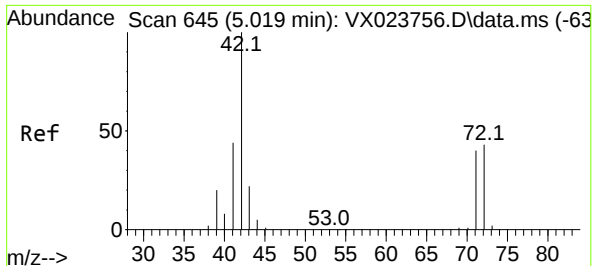
Tgt Ion:	84	Resp:	11067
Ion	Ratio	Lower	Upper
84	100		
49	129.2	88.6	132.8
51	43.8	27.0	40.6#
86	65.4	50.3	75.5



#25
2-Butanone
Concen: 2.505 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion:	43	Resp:	3128
Ion	Ratio	Lower	Upper
43	100		
72	32.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.738 ug/l

RT: 5.038 min Scan# 648

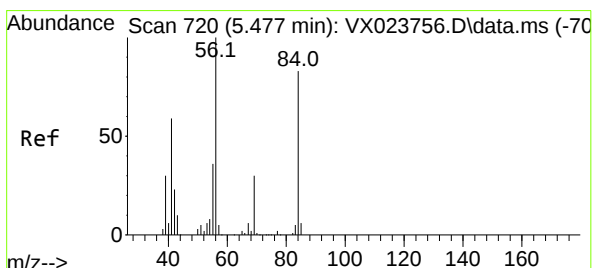
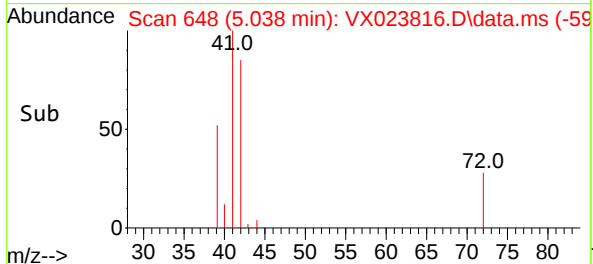
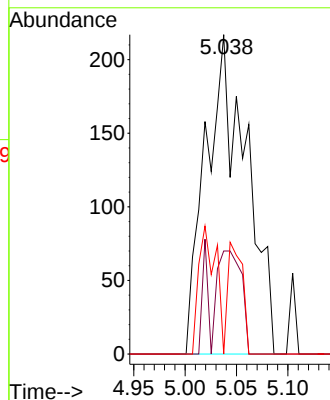
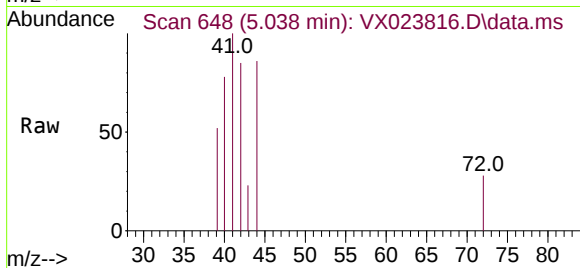
Delta R.T. 0.019 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

Tgt Ion:	42	Resp:	597
Ion	Ratio	Lower	Upper
42	100		
72	19.3	41.7	62.5#
71	12.6	38.4	57.6#

Instrument :
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ClientSampleId :
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#31

Cyclohexane

Concen: 1.270 ug/l

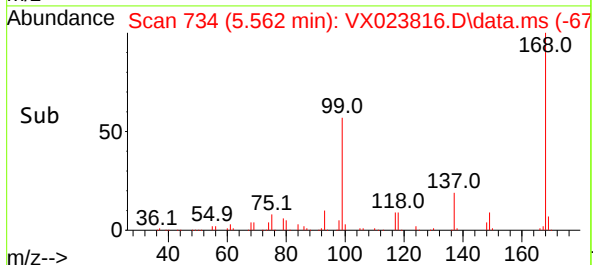
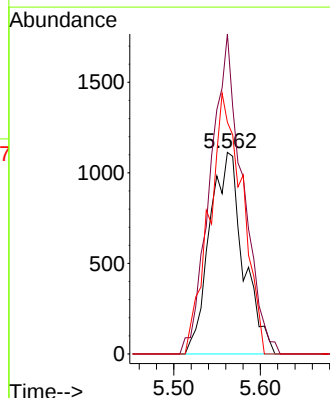
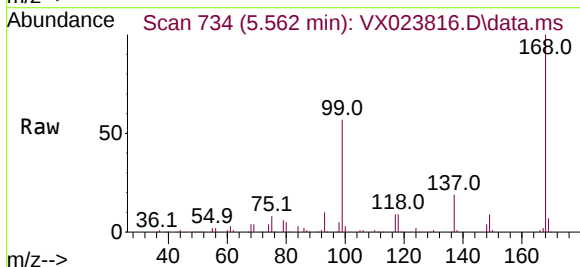
RT: 5.562 min Scan# 734

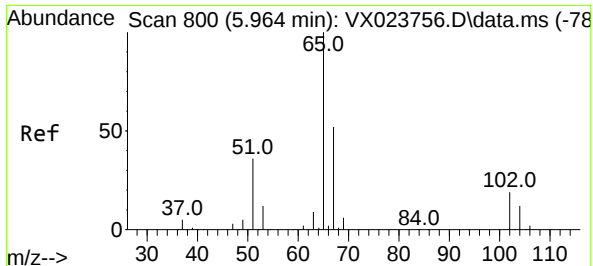
Delta R.T. 0.085 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

Tgt Ion:	56	Resp:	3008
Ion	Ratio	Lower	Upper
56	100		
69	158.8	25.3	37.9#
84	114.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.333 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

Tgt Ion: 65 Resp: 94638

Ion Ratio Lower Upper

65 100

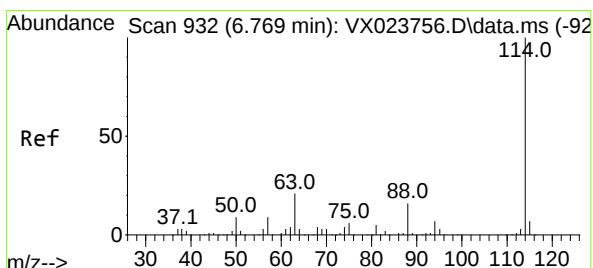
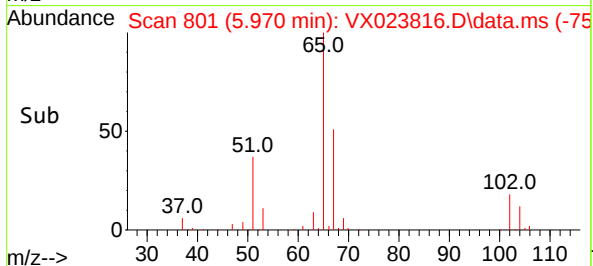
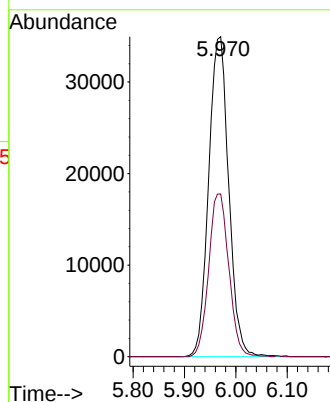
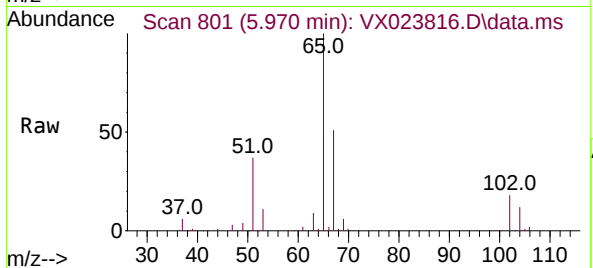
67 51.1 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

PB138522ZHE#01



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

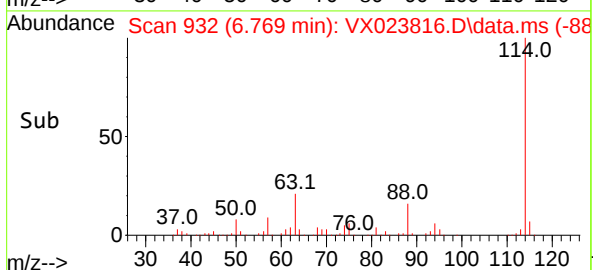
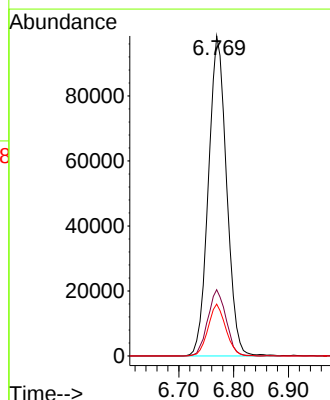
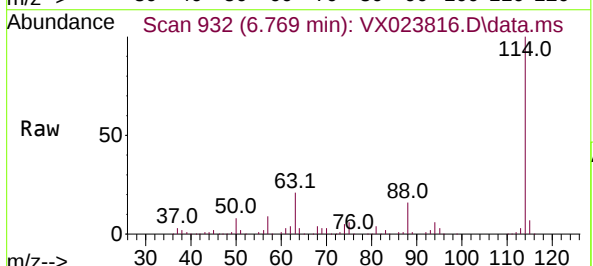
Tgt Ion: 114 Resp: 226337

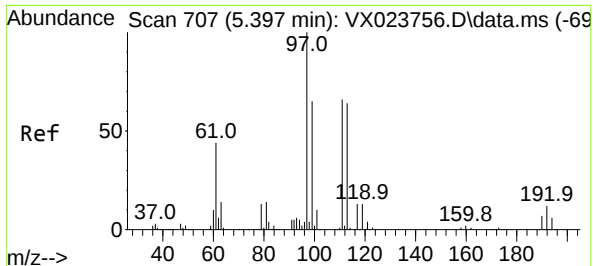
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.263 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

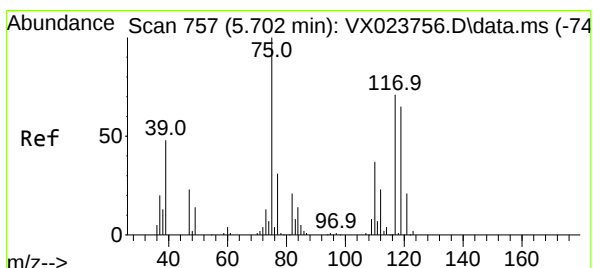
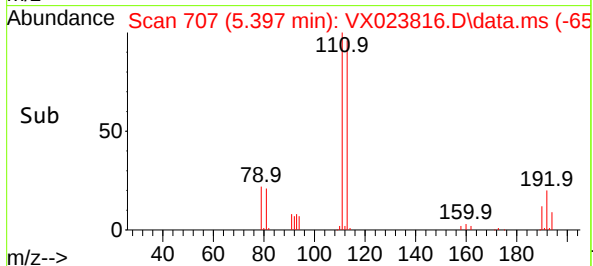
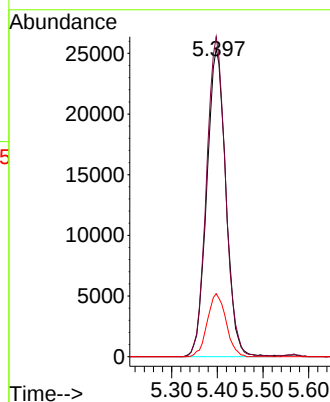
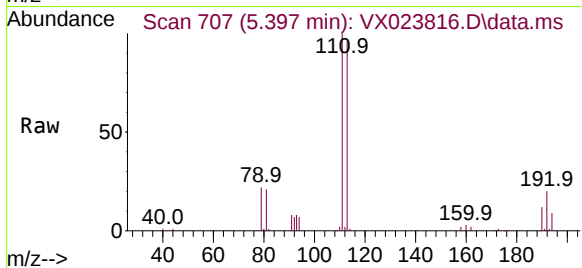
Tgt Ion:113 Resp: 73800

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 20.1 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.927 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

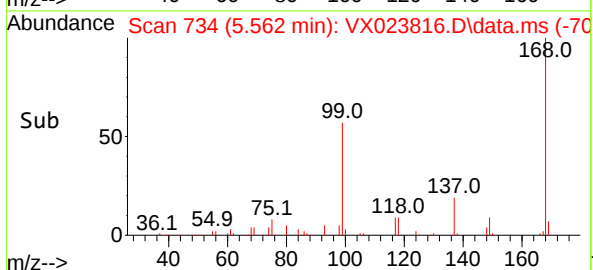
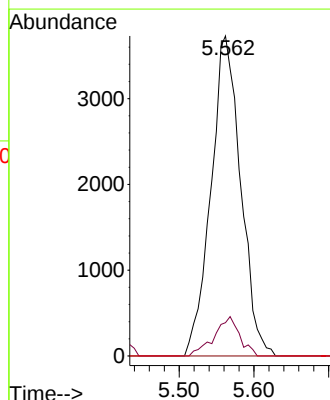
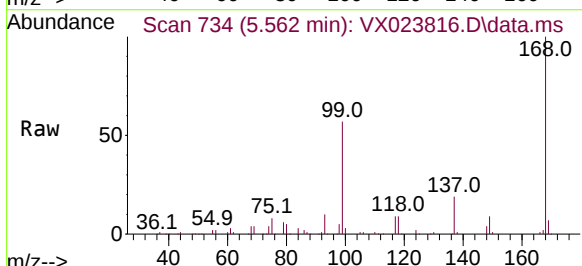
Tgt Ion: 75 Resp: 10328

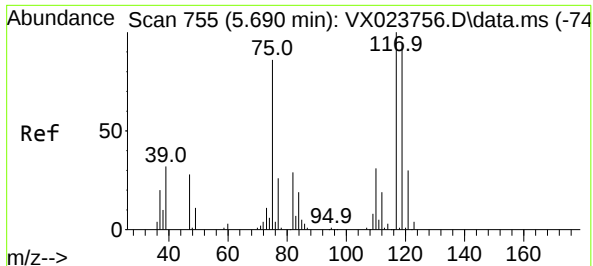
Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

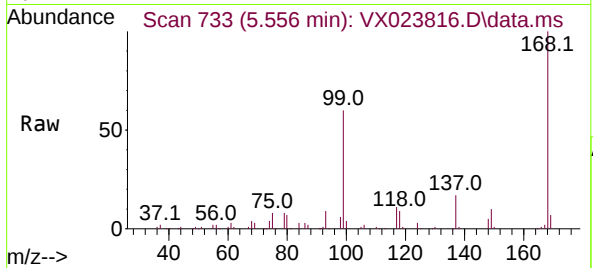
77 0.0 25.3 37.9#



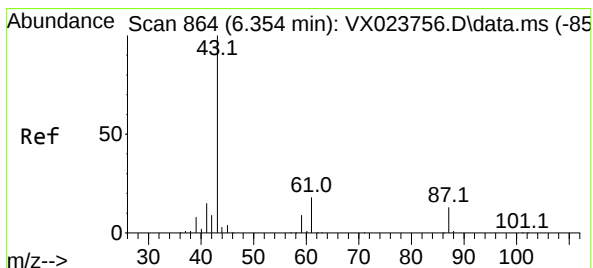
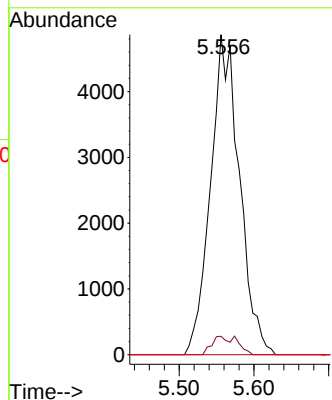
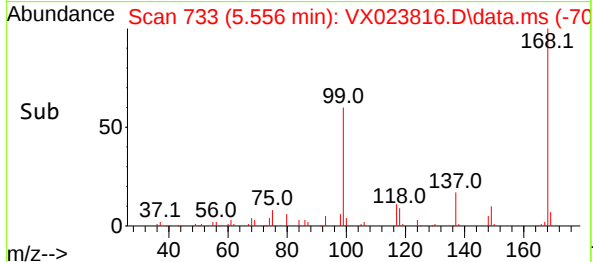


#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

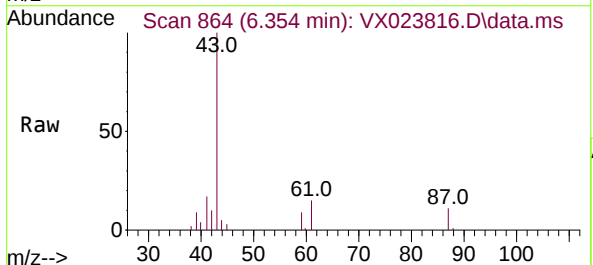
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01



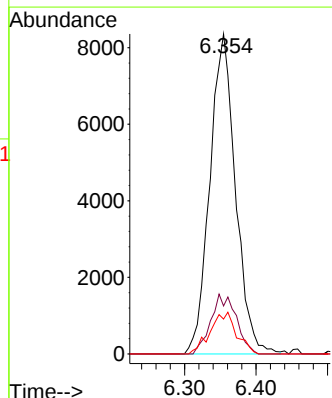
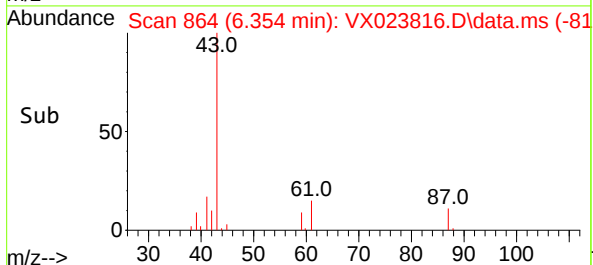
Tgt Ion:117 Resp: 13079
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

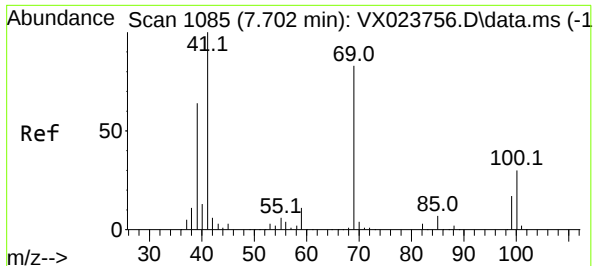


#43
Isopropyl Acetate
Concen: 5.178 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03



Tgt Ion: 43 Resp: 20868
Ion Ratio Lower Upper
43 100
61 18.5 18.2 27.4
87 13.4 12.5 18.7





#48

Methyl methacrylate

Concen: 62.128 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

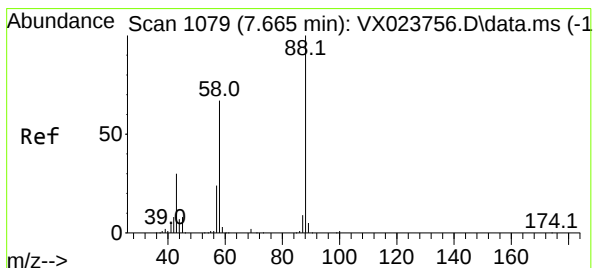
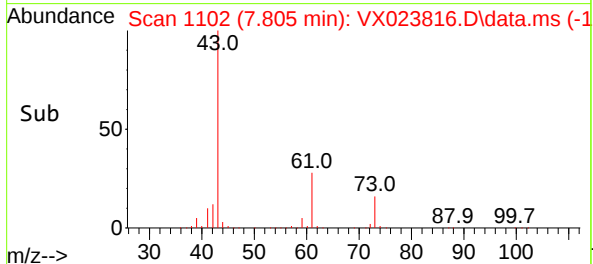
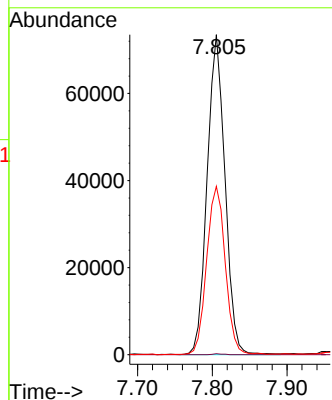
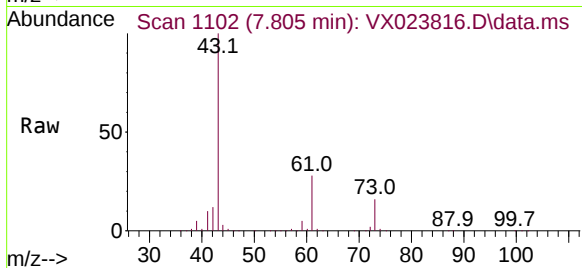
Tgt Ion: 41 Resp: 122144

Ion Ratio Lower Upper

41 100

69 0.2 76.0 114.0#

39 55.1 44.6 67.0



#49

1,4-Dioxane

Concen: 5.680 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023816.D

Acq: 18 Aug 2021 15:03

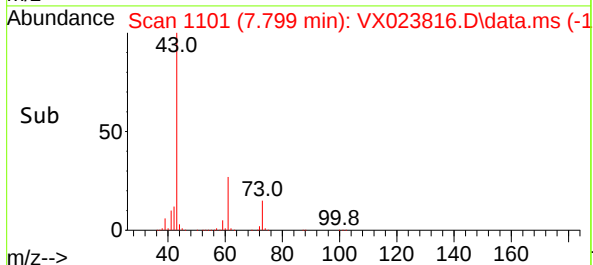
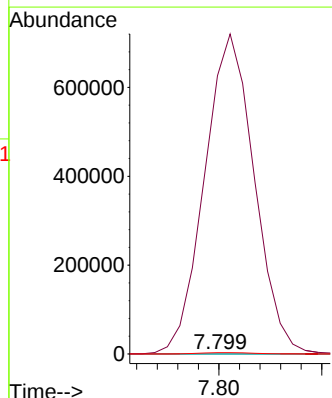
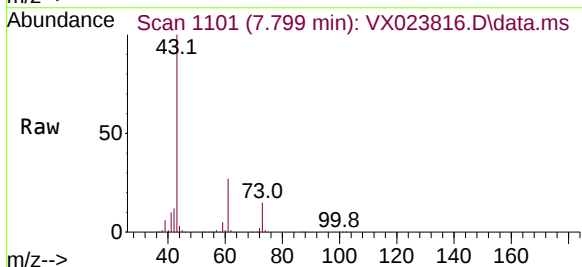
Tgt Ion: 88 Resp: 236

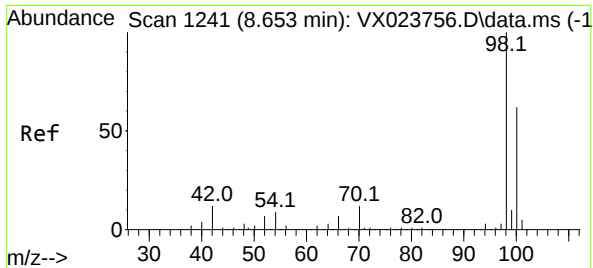
Ion Ratio Lower Upper

88 100

43 515704.7 23.2 34.8#

58 2356.4 55.0 82.4#

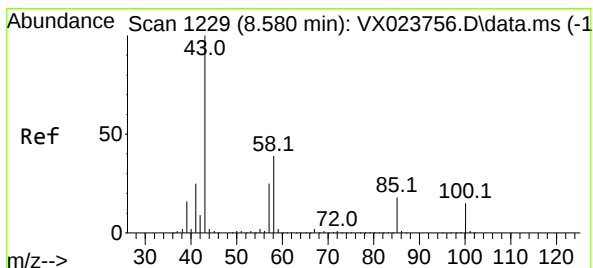
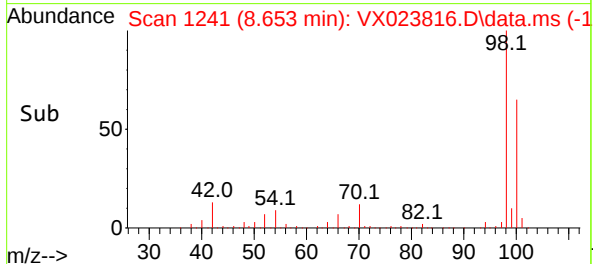
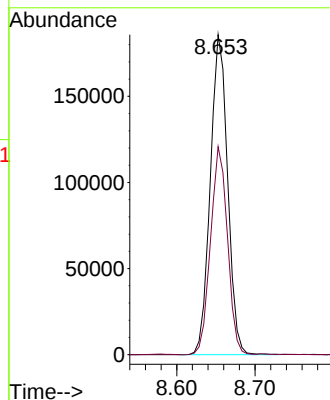
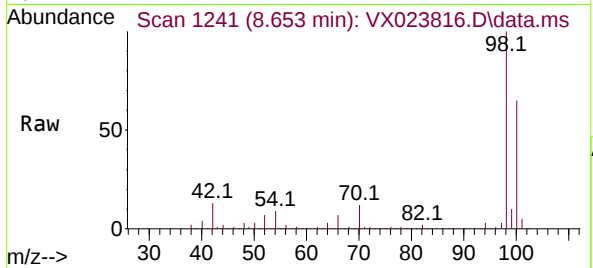




#50
Toluene-d8
Concen: 49.900 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

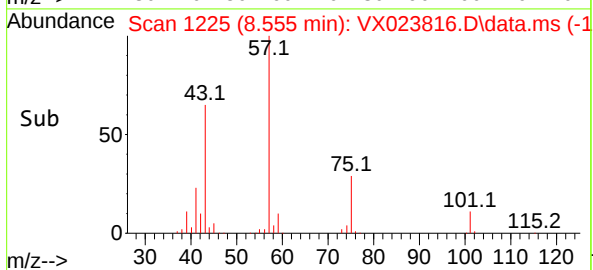
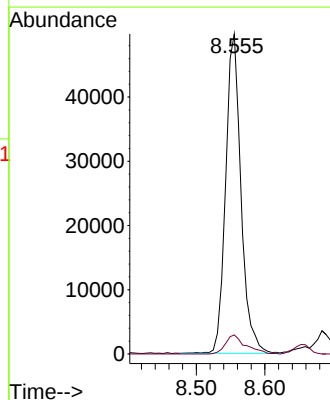
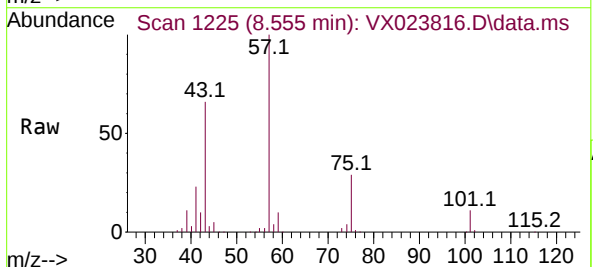
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

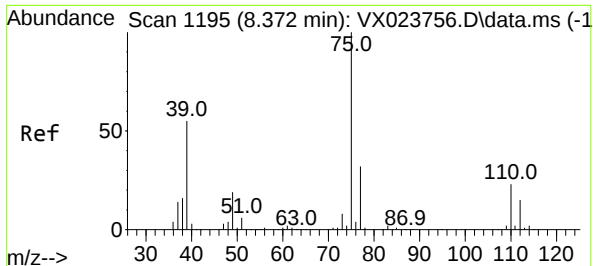
Tgt Ion: 98 Resp: 284518
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.617 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 43 Resp: 77157
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#

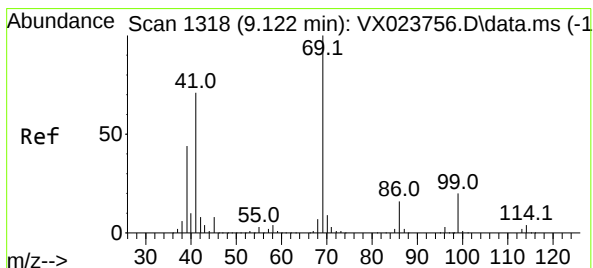
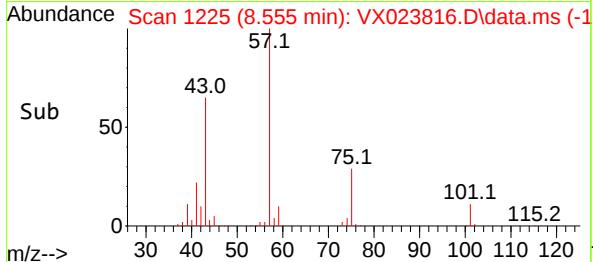
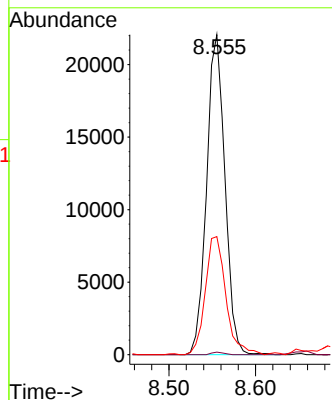
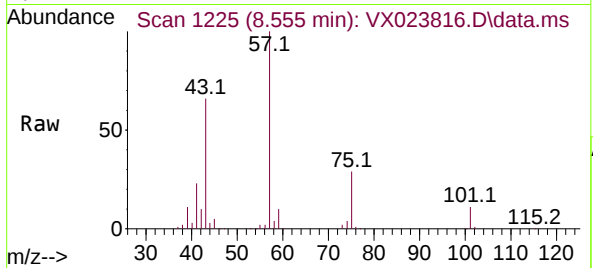




#54
 cis-1,3-Dichloropropene
 Concen: 12.913 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023816.D
 Acq: 18 Aug 2021 15:03

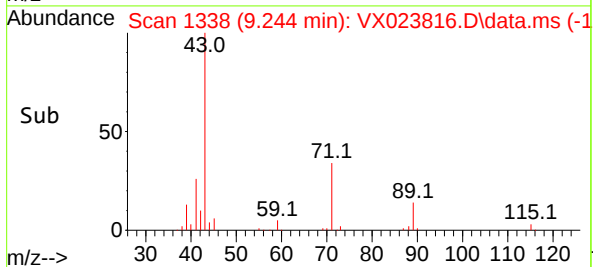
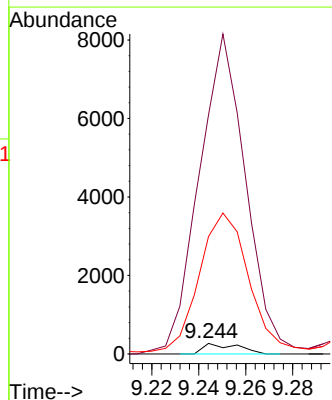
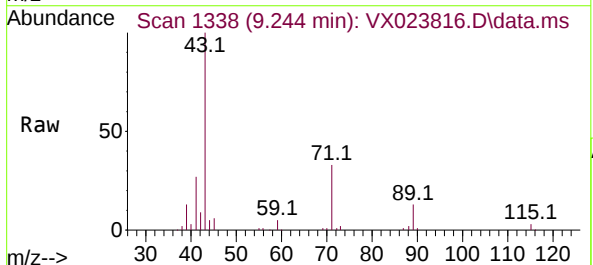
Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#01

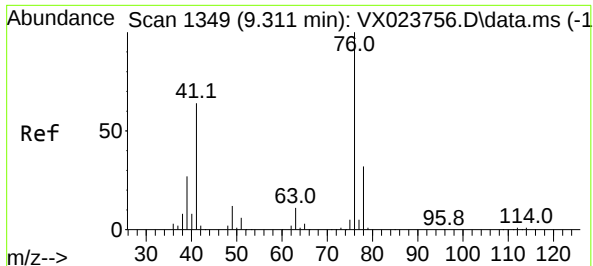
Tgt Ion: 75 Resp: 32419
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.7 38.5#
 39 36.9 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 0.855 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX023816.D
 Acq: 18 Aug 2021 15:03

Tgt Ion: 69 Resp: 274
 Ion Ratio Lower Upper
 69 100
 41 4120.4 46.8 70.2#
 39 1885.0 24.7 37.1#

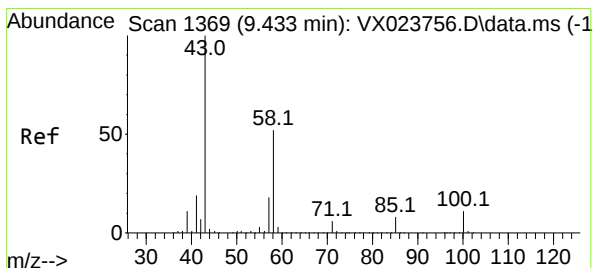
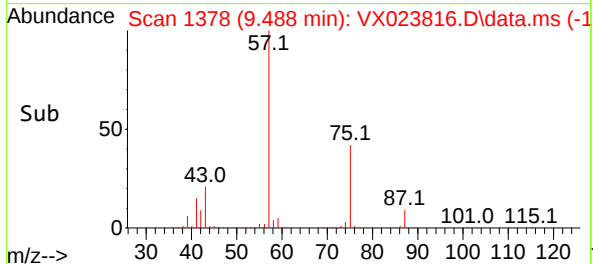
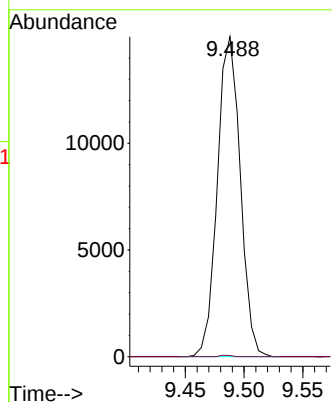
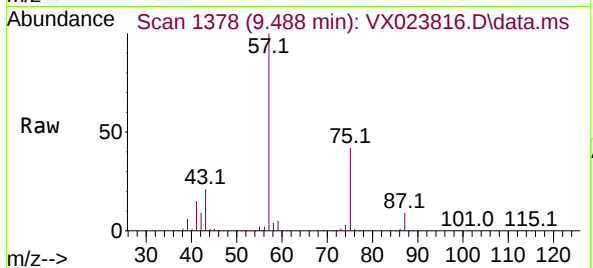




#57
1,3-Dichloropropane
Concen: 7.418 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

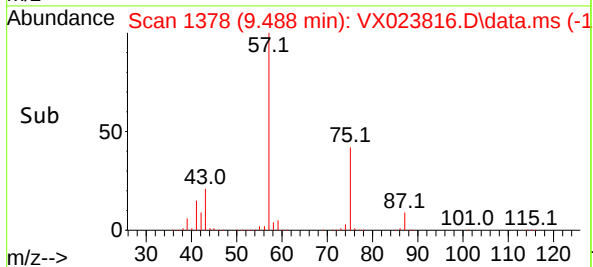
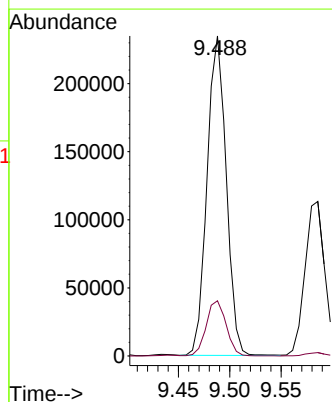
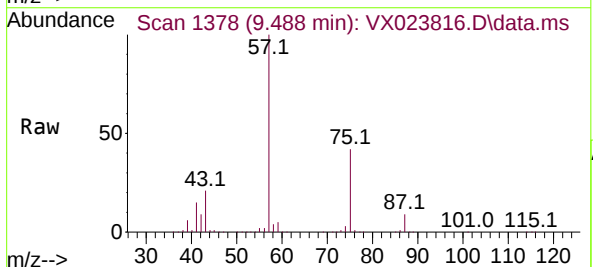
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

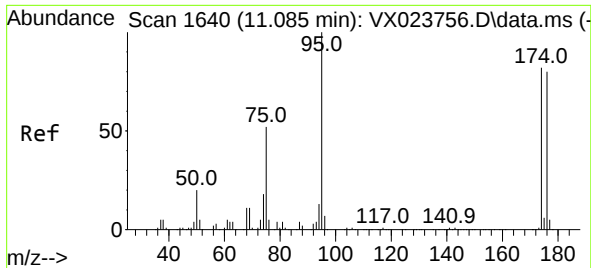
Tgt Ion: 76 Resp: 20342
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#



#59
2-Hexanone
Concen: 152.151 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 43 Resp: 304684
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#

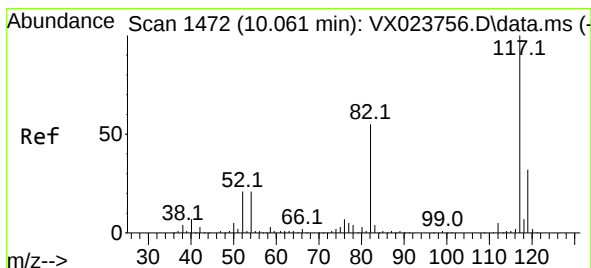
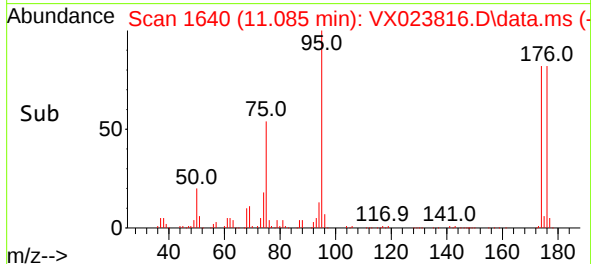
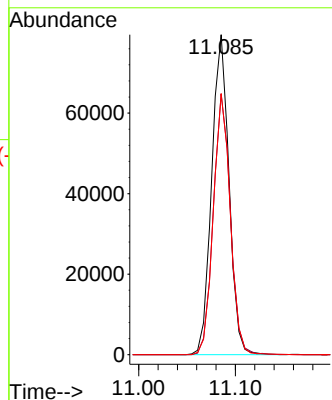
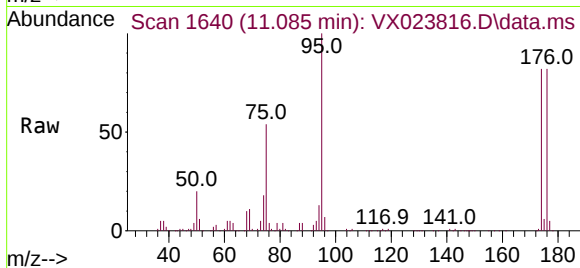




#62
4-Bromofluorobenzene
Concen: 47.000 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

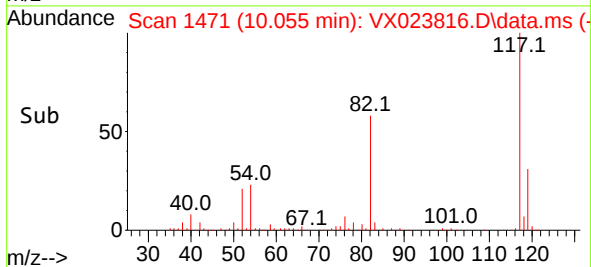
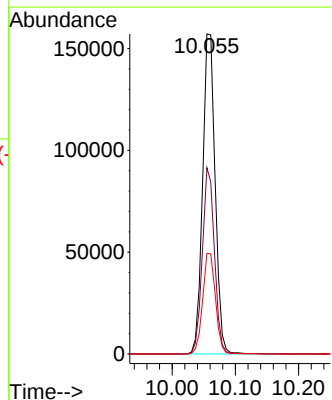
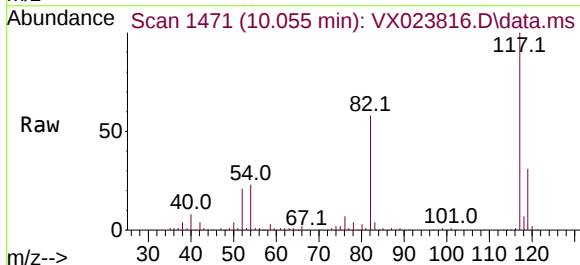
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

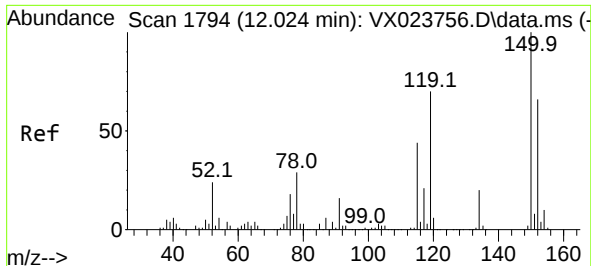
Tgt Ion: 95 Resp: 98652
Ion Ratio Lower Upper
95 100
174 80.2 0.0 154.6
176 79.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 117 Resp: 217275
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 31.4 26.6 39.8

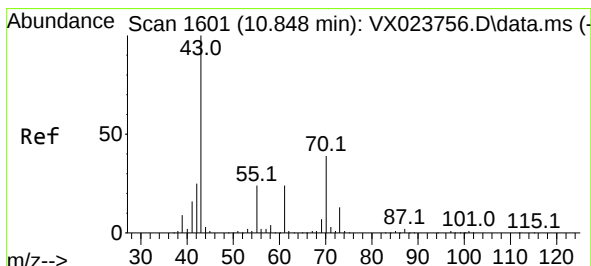
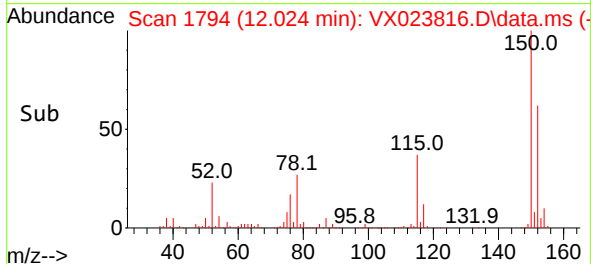
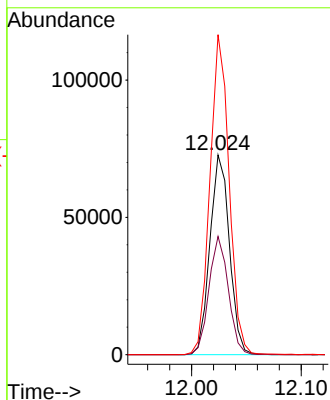
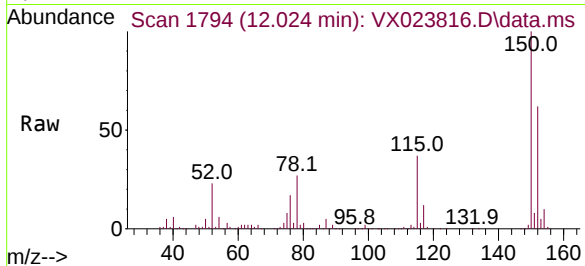




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

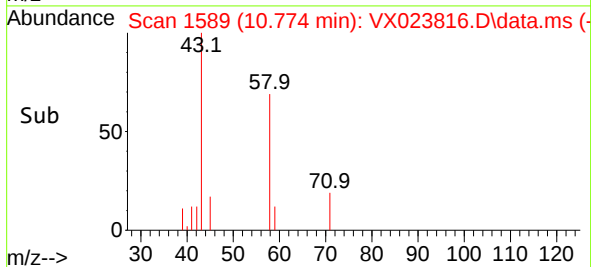
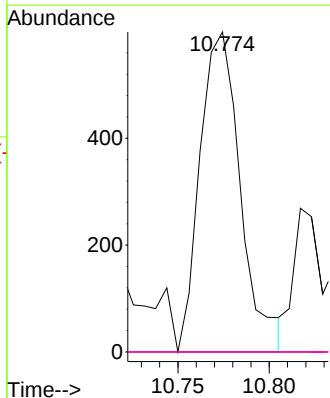
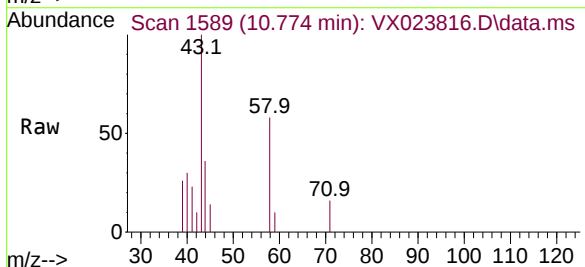
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

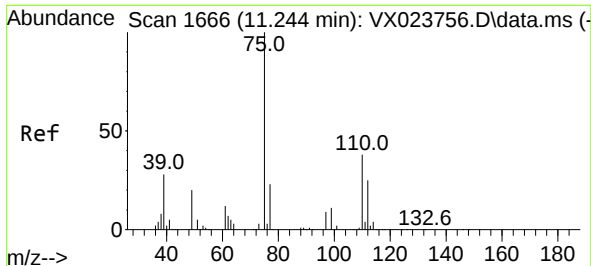
Tgt Ion:152 Resp: 90044
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 157.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.298 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

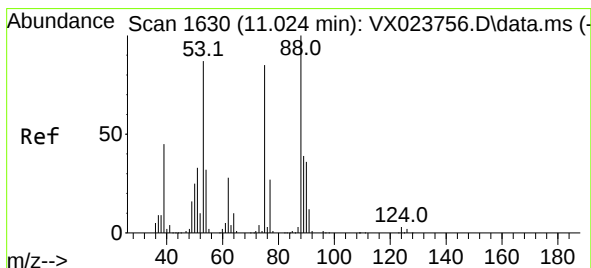
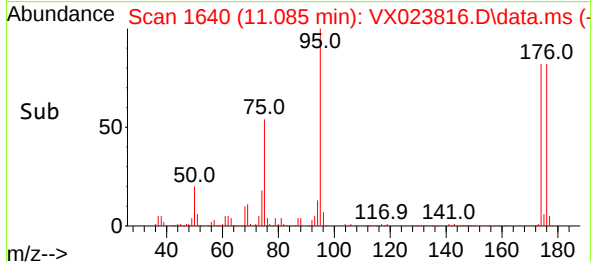
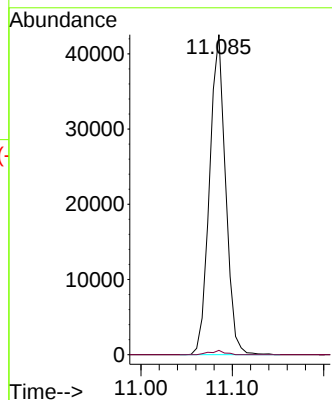
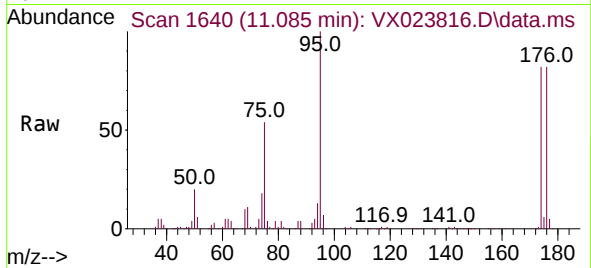




#76
1,2,3-Trichloropropane
Concen: 24.648 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

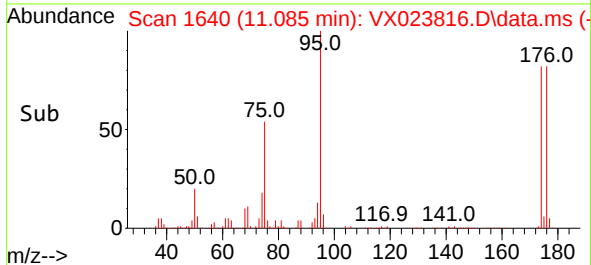
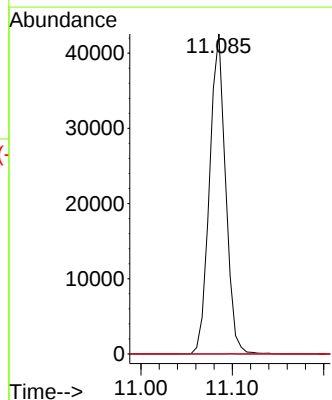
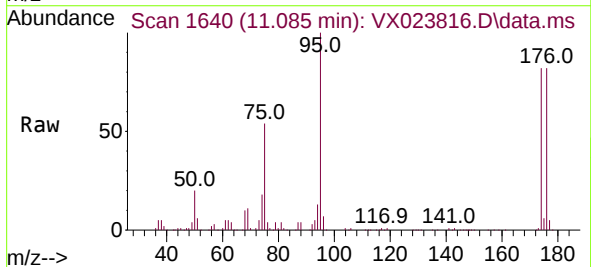
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01

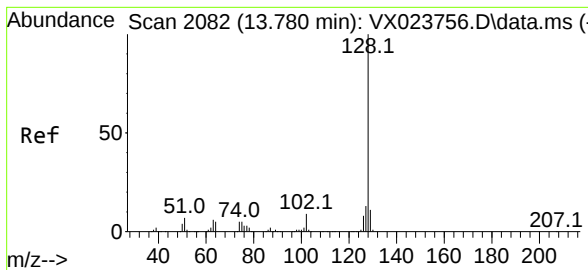
Tgt Ion: 75 Resp: 51773
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.503 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

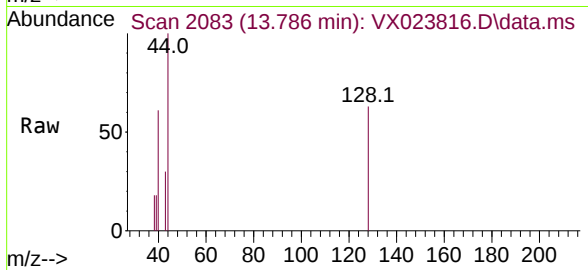
Tgt Ion: 75 Resp: 51773
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.306 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023816.D
Acq: 18 Aug 2021 15:03

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#01



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

