

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023908.D
 Acq On : 23 Aug 2021 19:13
 Operator : JC/MD
 Sample : M3511-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 24 07:16:28 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)

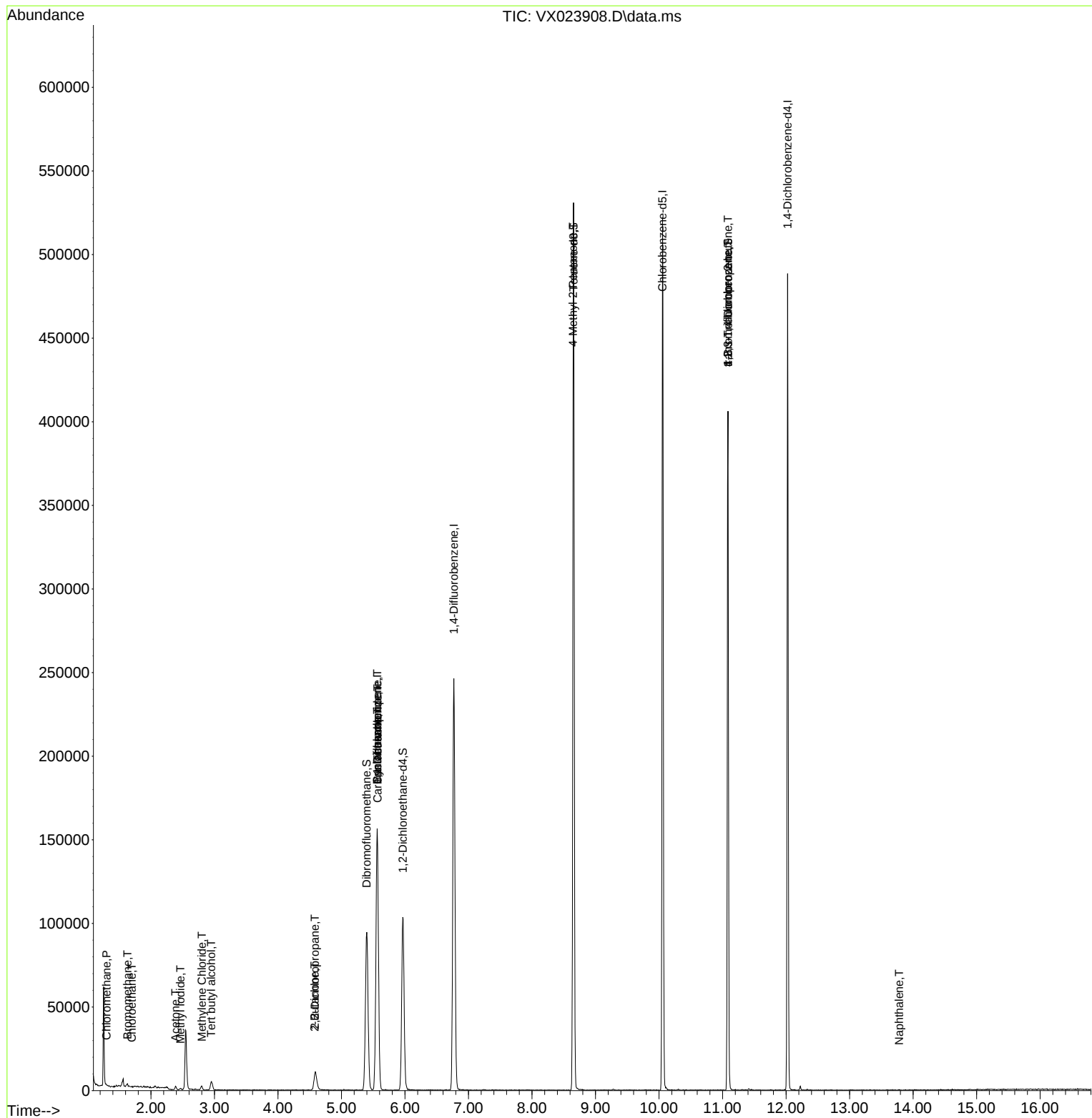
Internal Standards						
1) Pentafluorobenzene	5.562	168	142335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102484	51.589	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.180%		
35) Dibromofluoromethane	5.397	113	81404	50.302	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.600%		
50) Toluene-d8	8.653	98	297954	48.374	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.740%		
62) 4-Bromofluorobenzene	11.085	95	103435	45.617	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	512	0.311	ug/l #	85
5) Bromomethane	1.630	94	1090	1.078	ug/l	80
6) Chloroethane	1.697	64	68	2.266	ug/l #	43
10) Methyl Iodide	2.465	142	885	0.445	ug/l #	82
11) Tert butyl alcohol	2.947	59	3236	8.055	ug/l #	73
16) Acetone	2.386	43	2105	2.370	ug/l	98
20) Methylene Chloride	2.800	84	1025	0.604	ug/l	98
25) 2-Butanone	4.574	43	861	0.640	ug/l #	81
26) 2,2-Dichloropropane	4.580	77	492	0.215	ug/l #	52
31) Cyclohexane	5.562	56	3282	1.286	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11398	5.034	ug/l #	49
38) Carbon Tetrachloride	5.568	117	14677	6.216	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1538	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	56636	25.716	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56636	75.646	ug/l #	12
95) Naphthalene	13.780	128	229	1.315	ug/l #	69

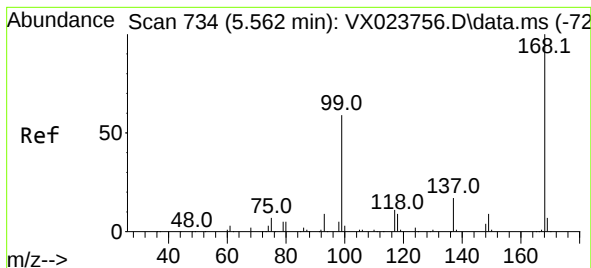
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX023908.D

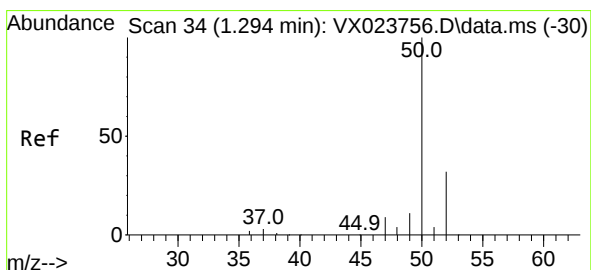
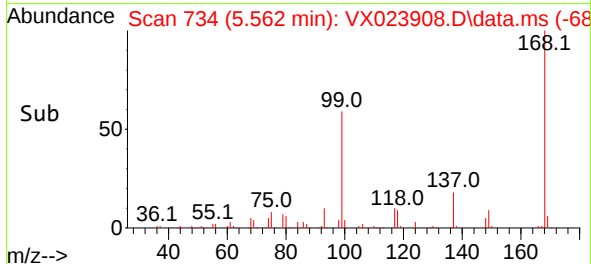
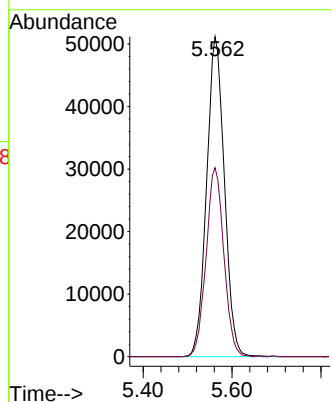
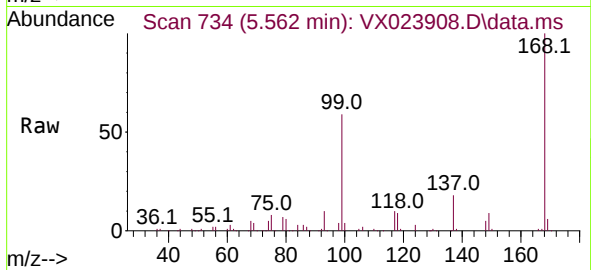
Acq: 23 Aug 2021 19:13

Tgt Ion:168 Resp: 142335

Ion Ratio Lower Upper

168 100

99 59.1 45.8 68.6



#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX023908.D

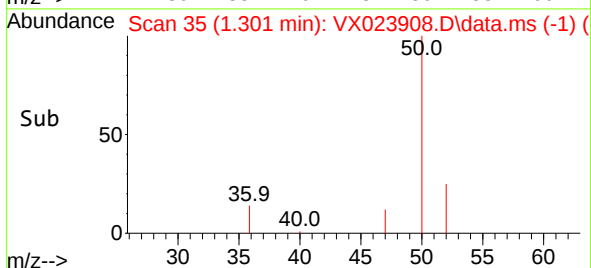
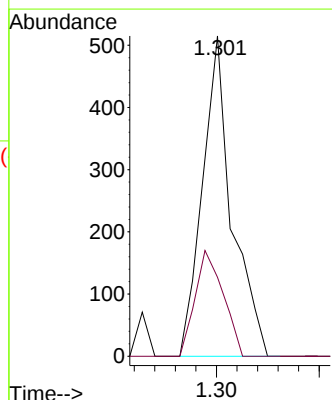
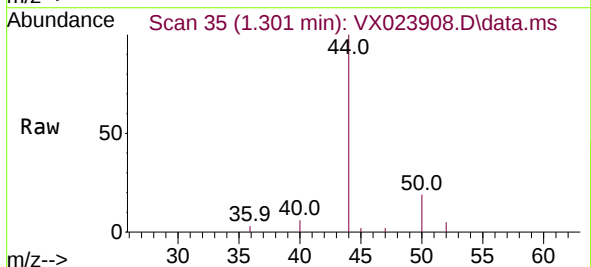
Acq: 23 Aug 2021 19:13

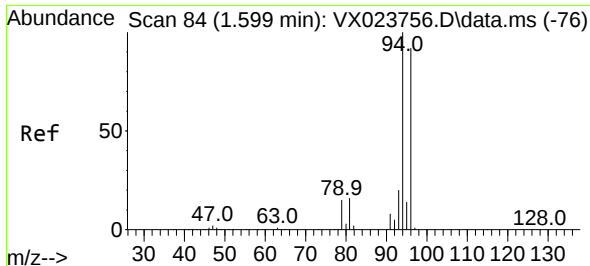
Tgt Ion: 50 Resp: 512

Ion Ratio Lower Upper

50 100

52 24.7 26.4 39.6#

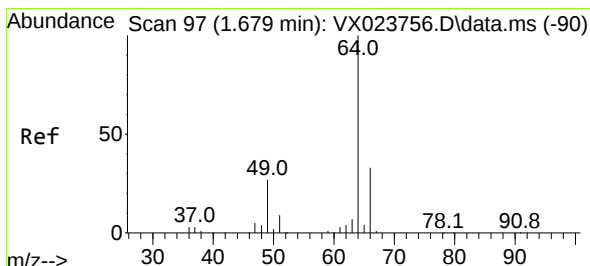
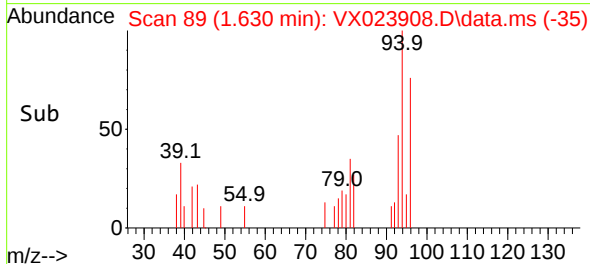
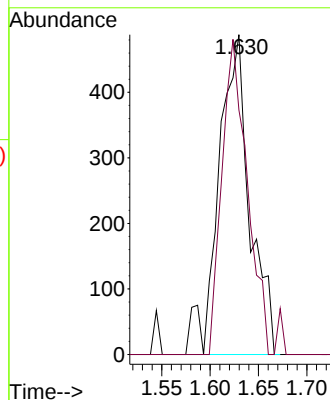
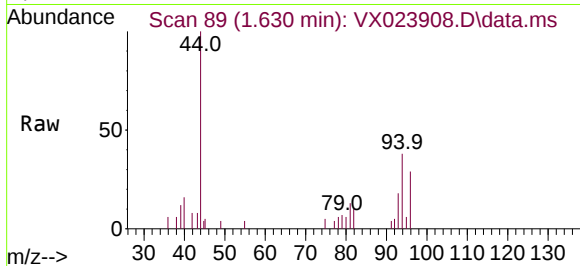




#5
Bromomethane
Concen: 1.078 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

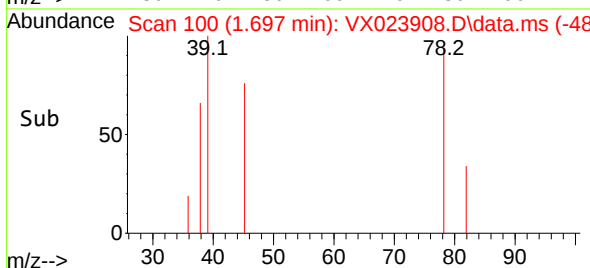
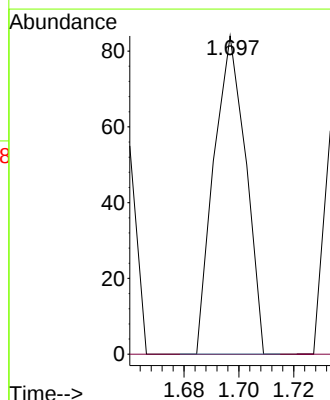
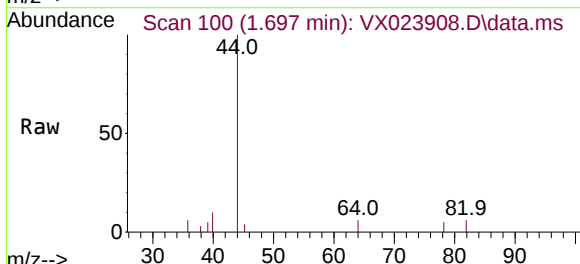
Instrument :
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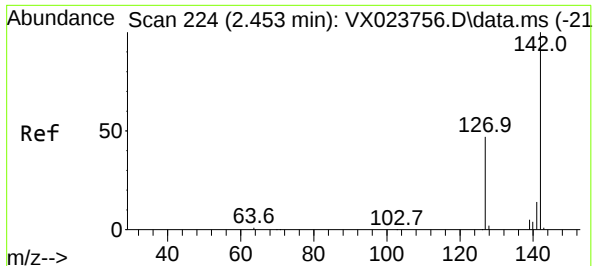
Tgt Ion: 94 Resp: 1090
Ion Ratio Lower Upper
94 100
96 76.4 76.4 114.6



#6
Chloroethane
Concen: 2.266 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

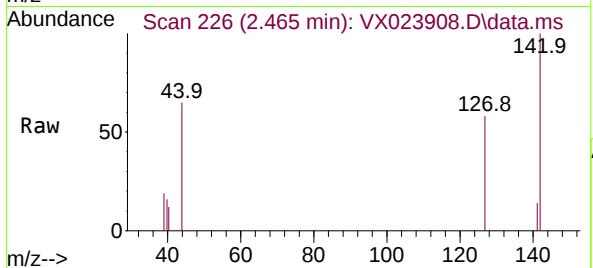
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



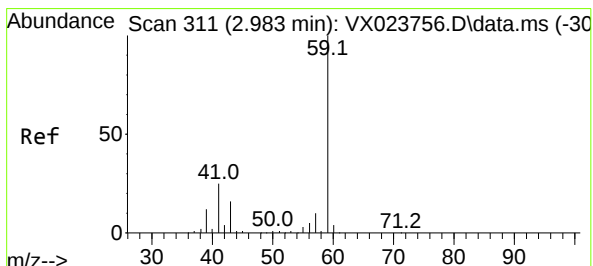
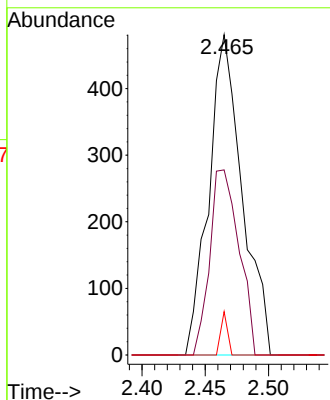
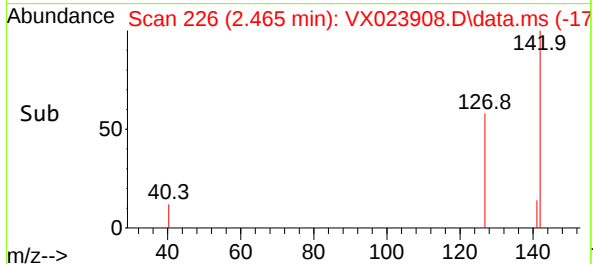


#10
Methyl Iodide
Concen: 0.445 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

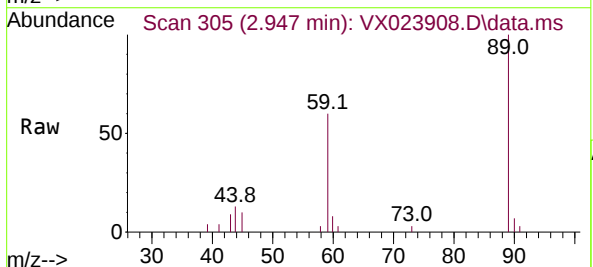
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA



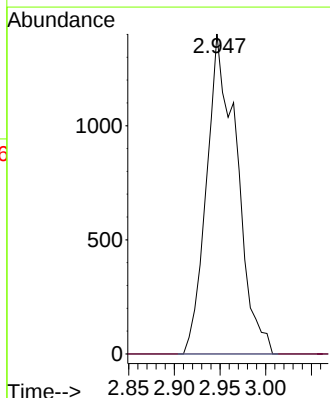
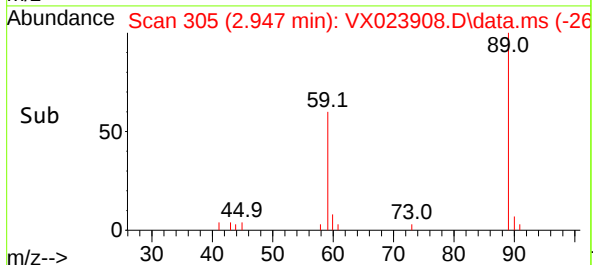
Tgt Ion:142 Resp: 885
Ion Ratio Lower Upper
142 100
127 50.4 33.3 49.9#
141 2.7 11.4 17.0#

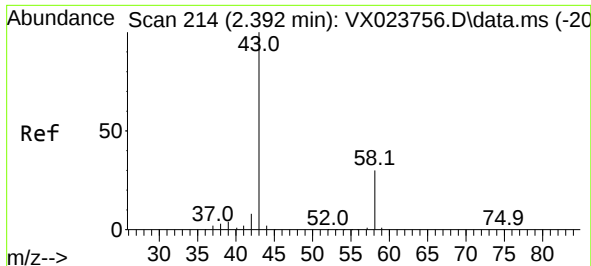


#11
Tert butyl alcohol
Concen: 8.055 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13



Tgt Ion: 59 Resp: 3236
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

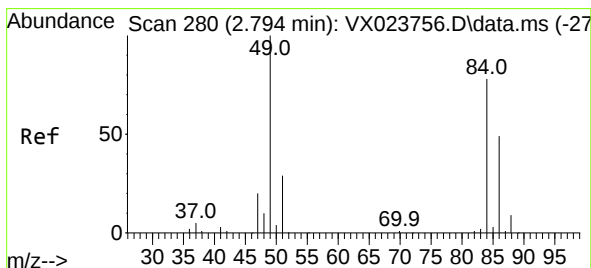
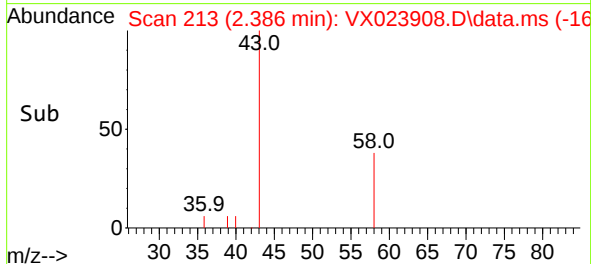
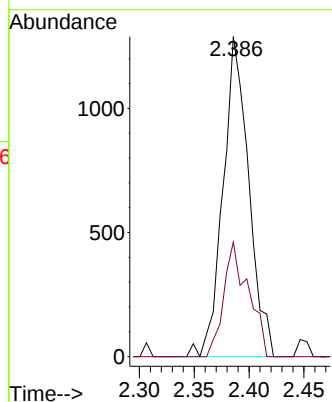
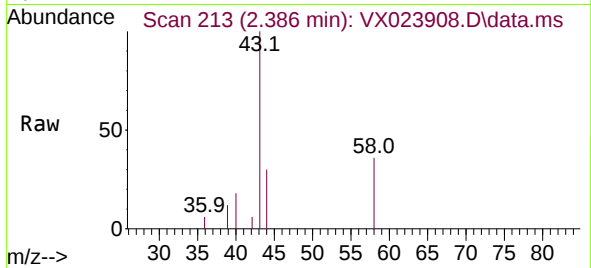




#16
Acetone
Concen: 2.370 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

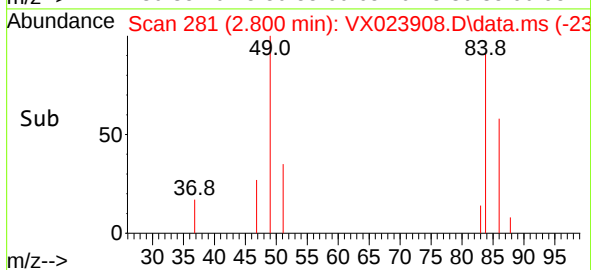
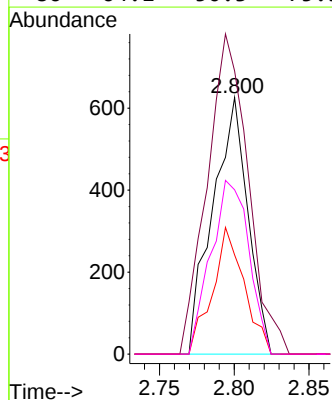
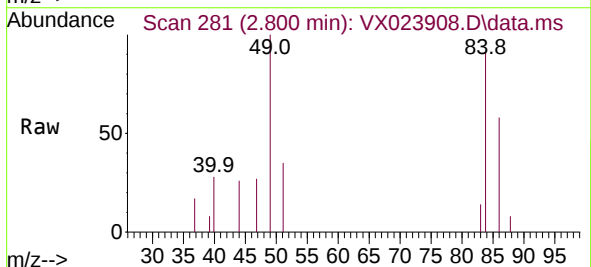
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ClientSampleId :
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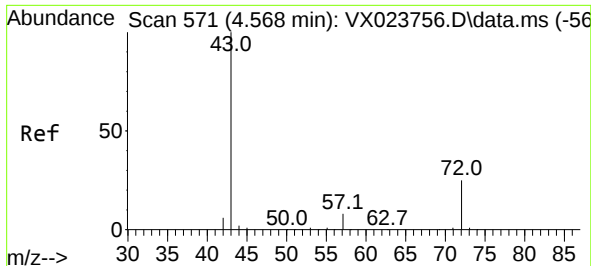
Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
58 35.8 27.8 41.8



#20
Methylene Chloride
Concen: 0.604 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 84 Resp: 1025
Ion Ratio Lower Upper
84 100
49 110.4 88.6 132.8
51 38.7 27.0 40.6
86 64.1 50.3 75.5





#25

2-Butanone

Concen: 0.640 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023908.D

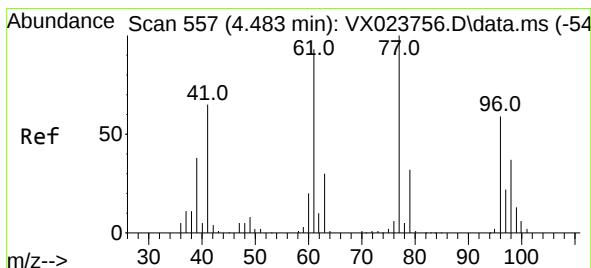
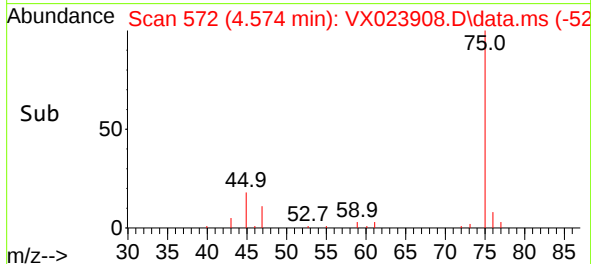
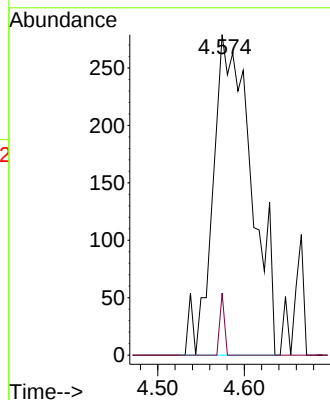
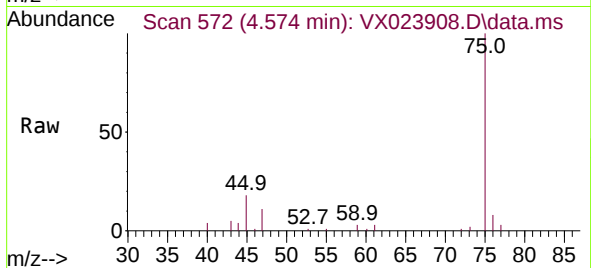
Acq: 23 Aug 2021 19:13

Tgt Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

72 19.4 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.215 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.097 min

Lab File: VX023908.D

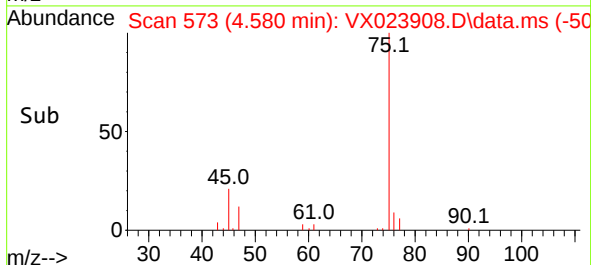
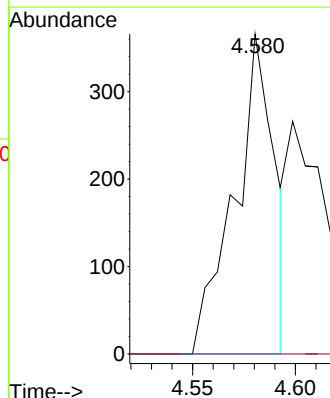
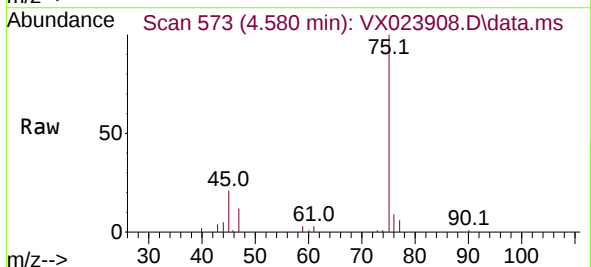
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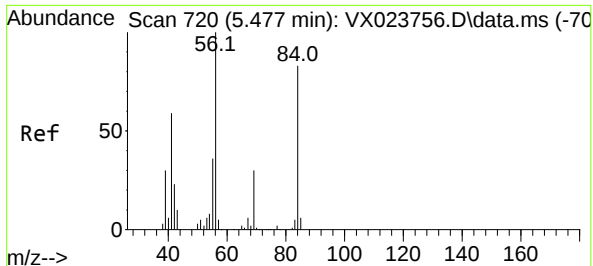
Tgt Ion: 77 Resp: 492

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#

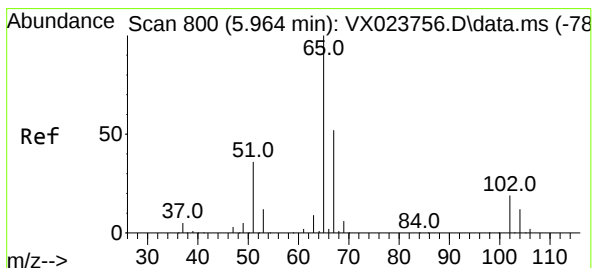
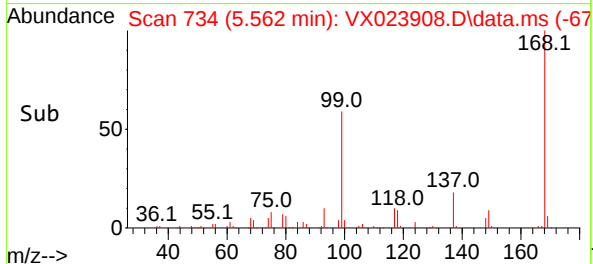
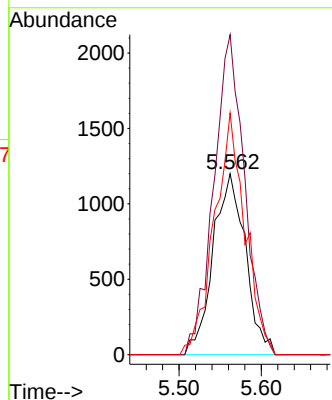
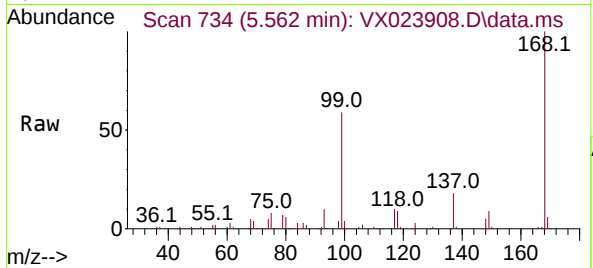




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

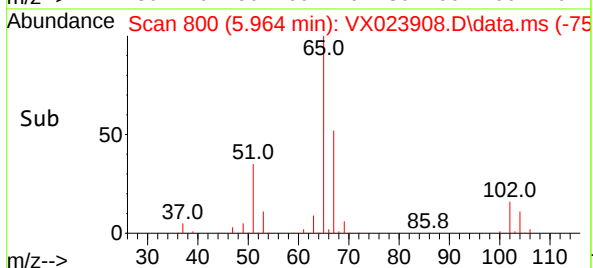
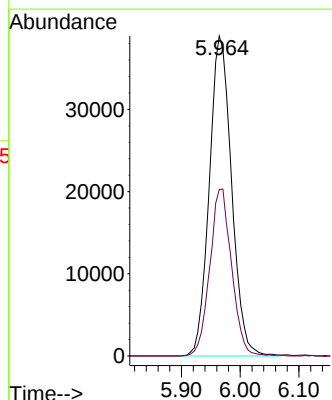
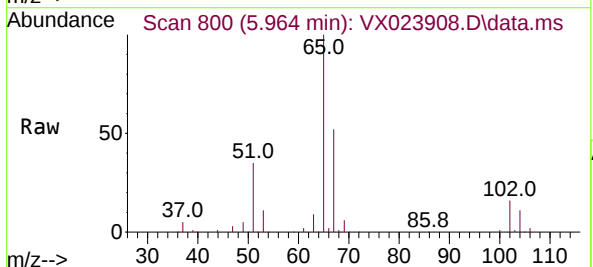
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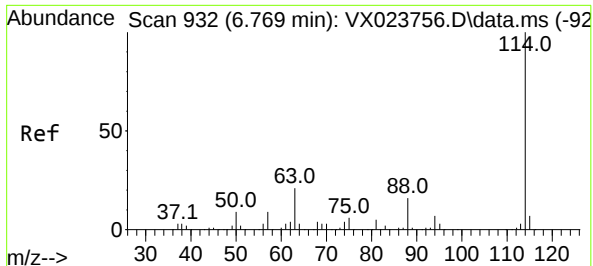
Tgt Ion: 56 Resp: 3282
Ion Ratio Lower Upper
56 100
69 176.8 25.3 37.9#
84 133.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.589 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 65 Resp: 102484
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

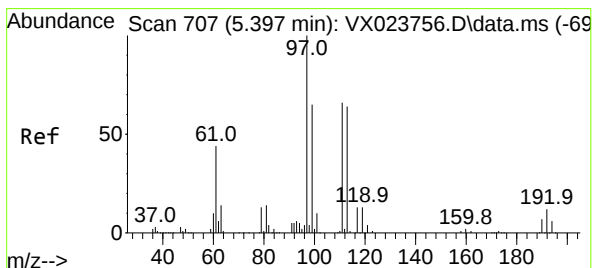
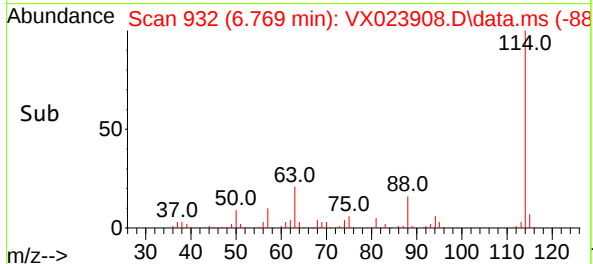
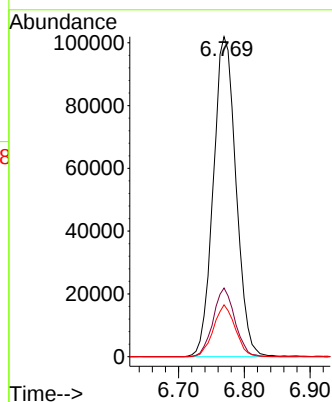
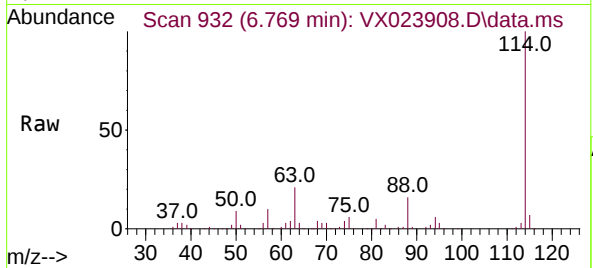




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

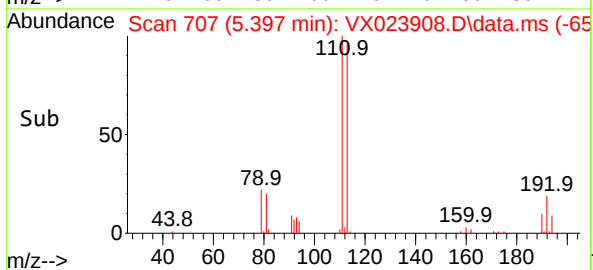
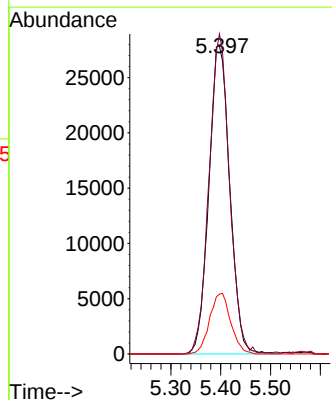
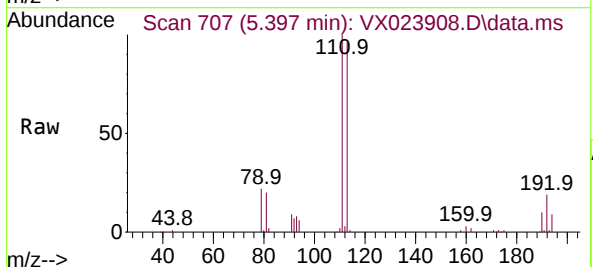
Instrument :
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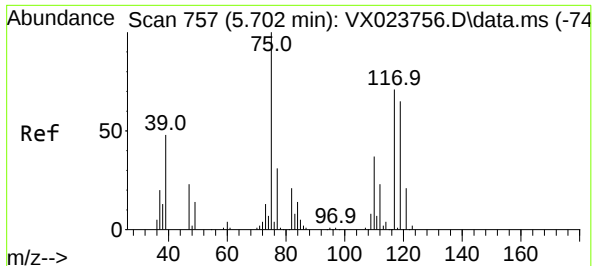
Tgt Ion:114 Resp: 244505
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.302 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion:113 Resp: 81404
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.8 16.7 25.1

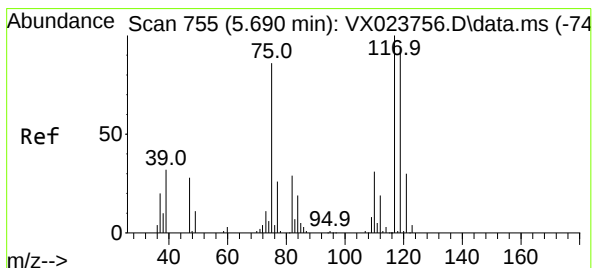
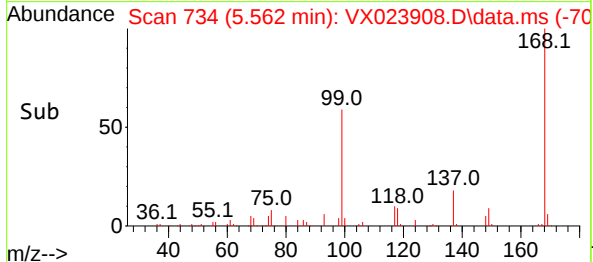
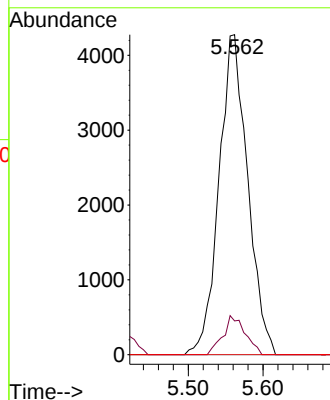
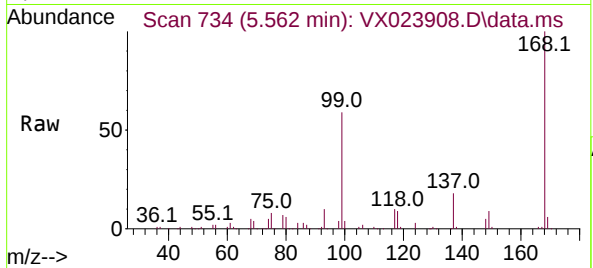




#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

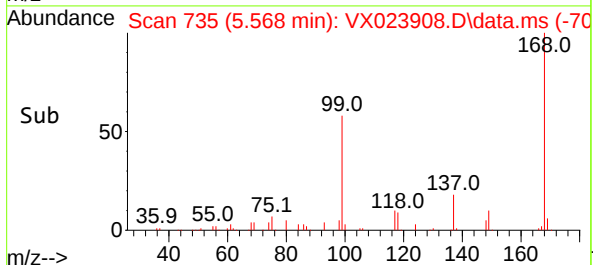
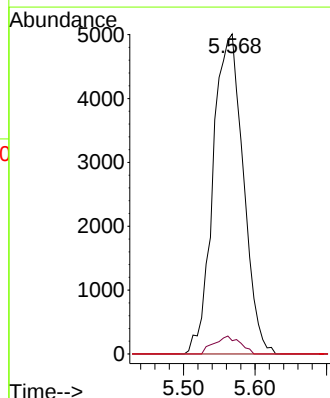
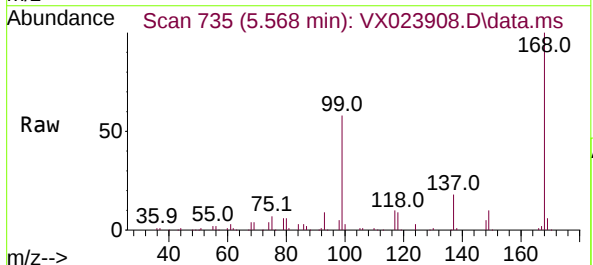
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

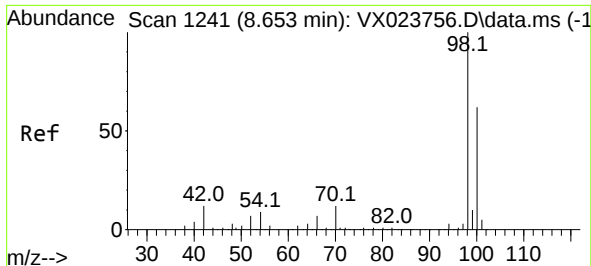
Tgt Ion: 75 Resp: 11398
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 117 Resp: 14677
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#

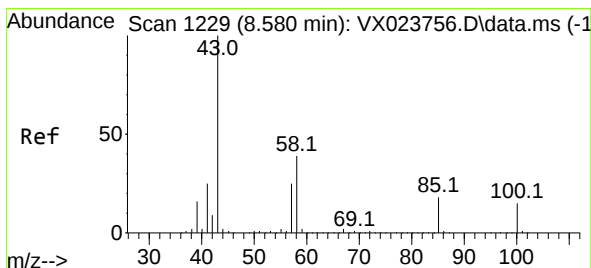
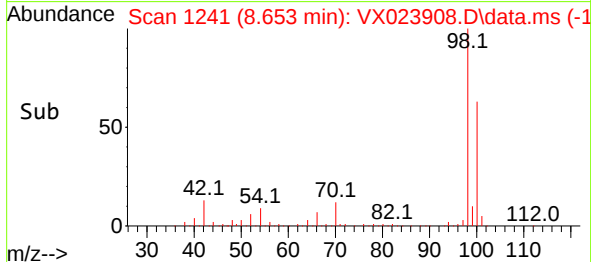
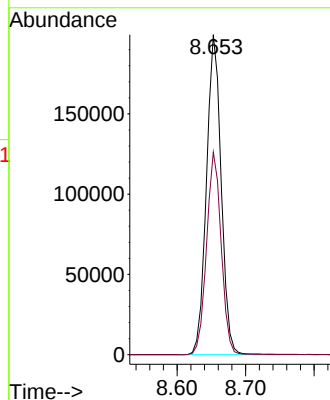
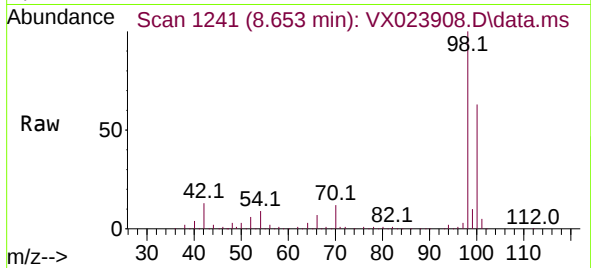




#50
Toluene-d8
Concen: 48.374 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

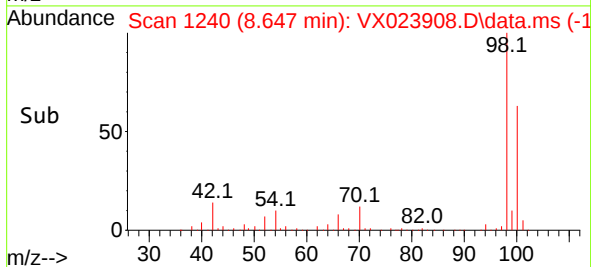
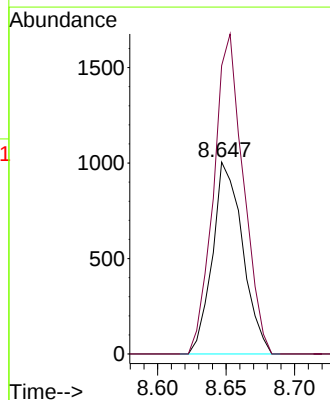
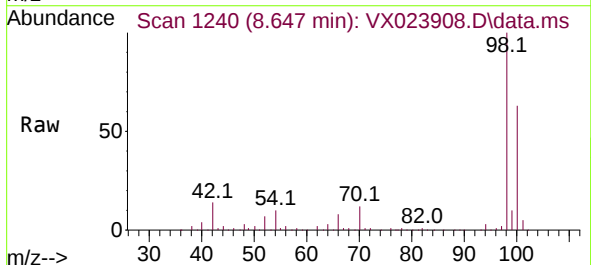
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

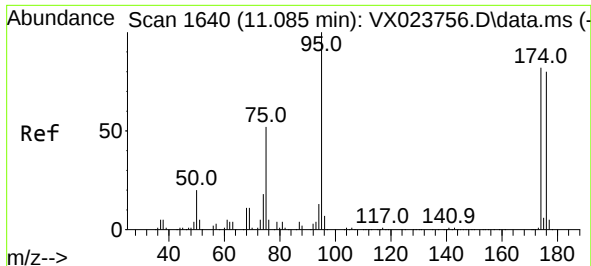
Tgt Ion: 98 Resp: 297954
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
58 164.4 35.4 53.0#

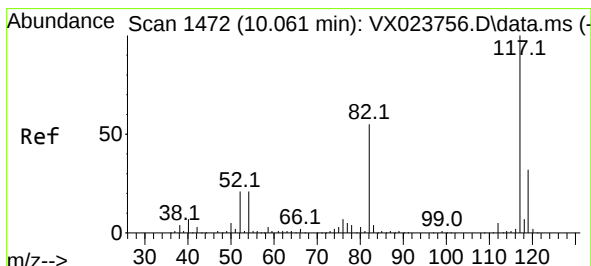
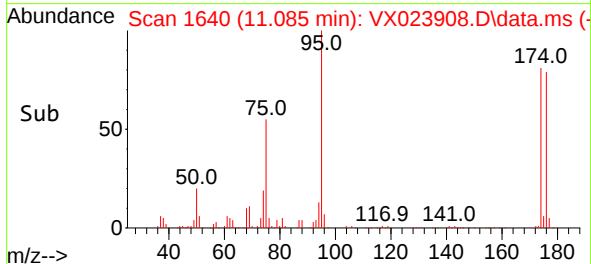
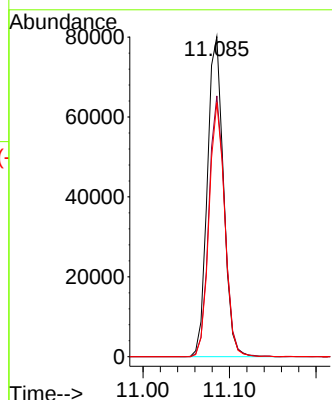
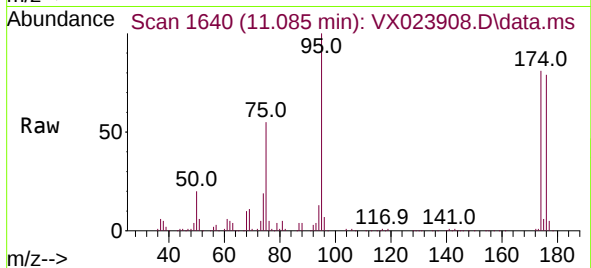




#62
4-Bromofluorobenzene
Concen: 45.617 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

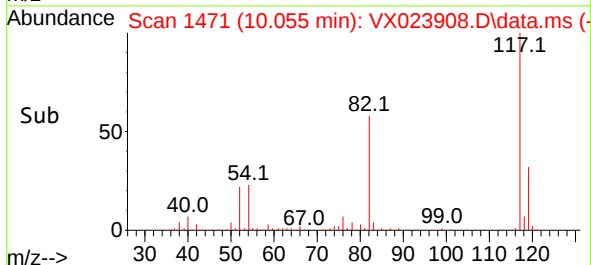
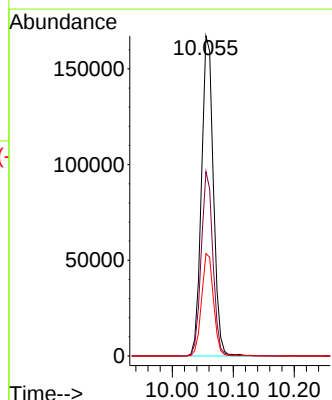
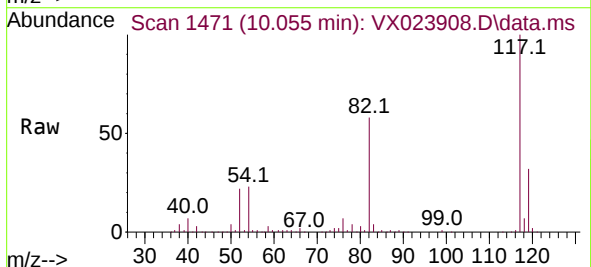
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

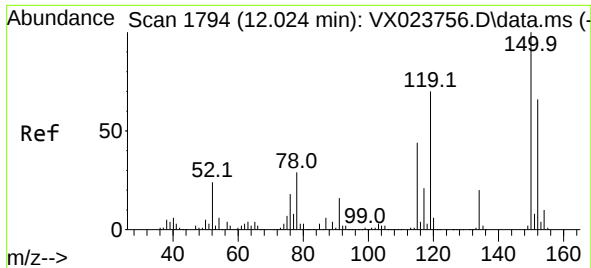
Tgt Ion: 95 Resp: 103435
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 117 Resp: 226723
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.0 26.6 39.8

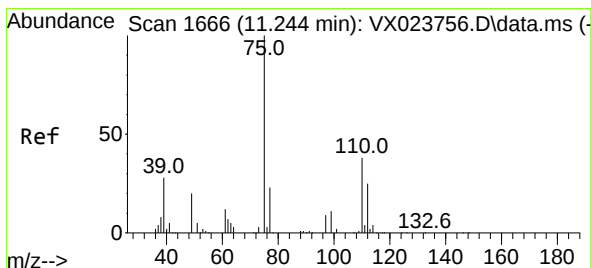
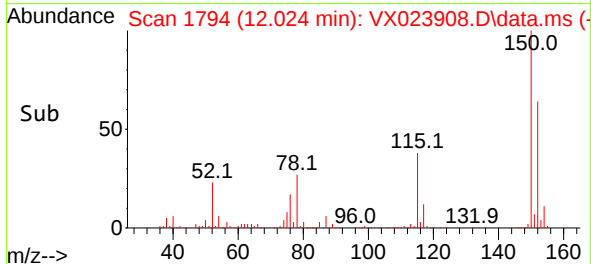
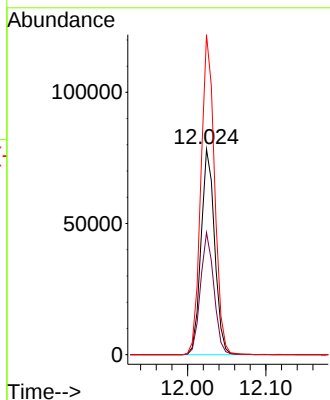
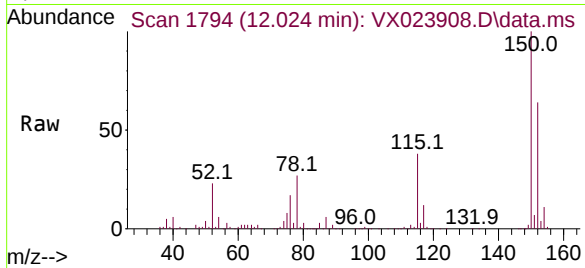




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023908.D
 Acq: 23 Aug 2021 19:13

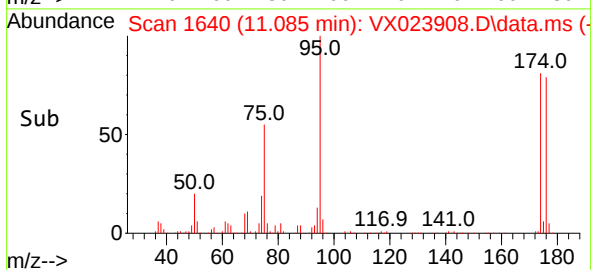
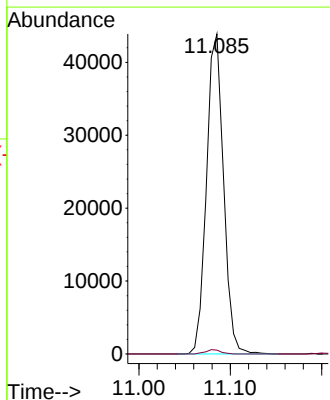
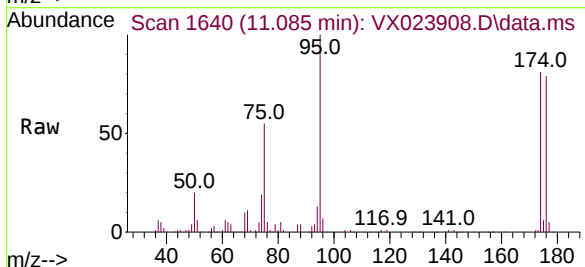
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

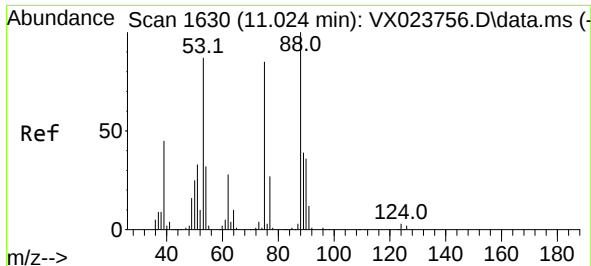
Tgt Ion:152 Resp: 94410
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 155.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.716 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023908.D
 Acq: 23 Aug 2021 19:13

Tgt Ion: 75 Resp: 56636
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

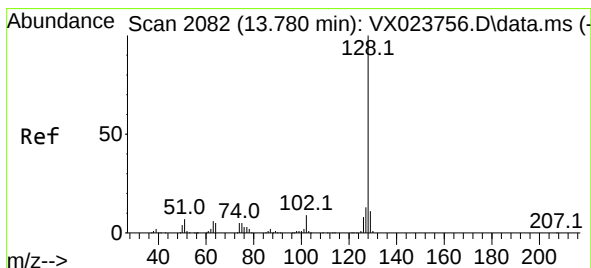
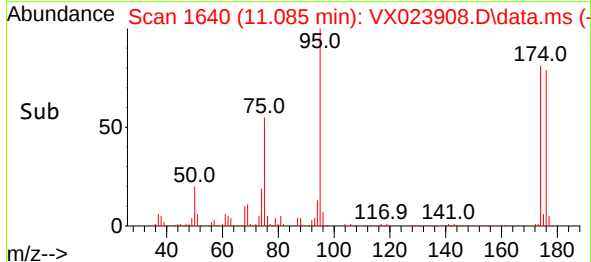
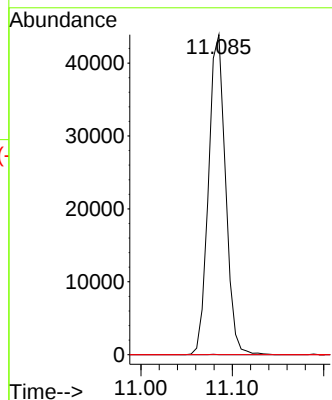
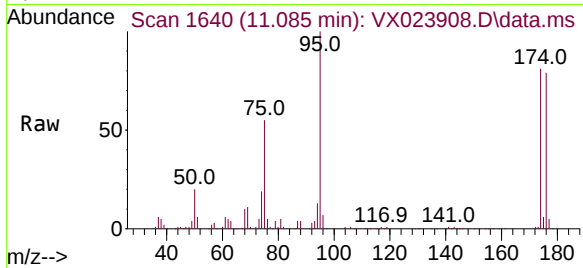




#81
trans-1,4-Dichloro-2-butene
Concen: 75.646 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 56636
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.315 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023908.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 128 Resp: 229
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

