

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037092.D
 Acq On : 18 Aug 2023 18:20
 Operator : JC/MD
 Sample : 04024-22DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 19 05:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

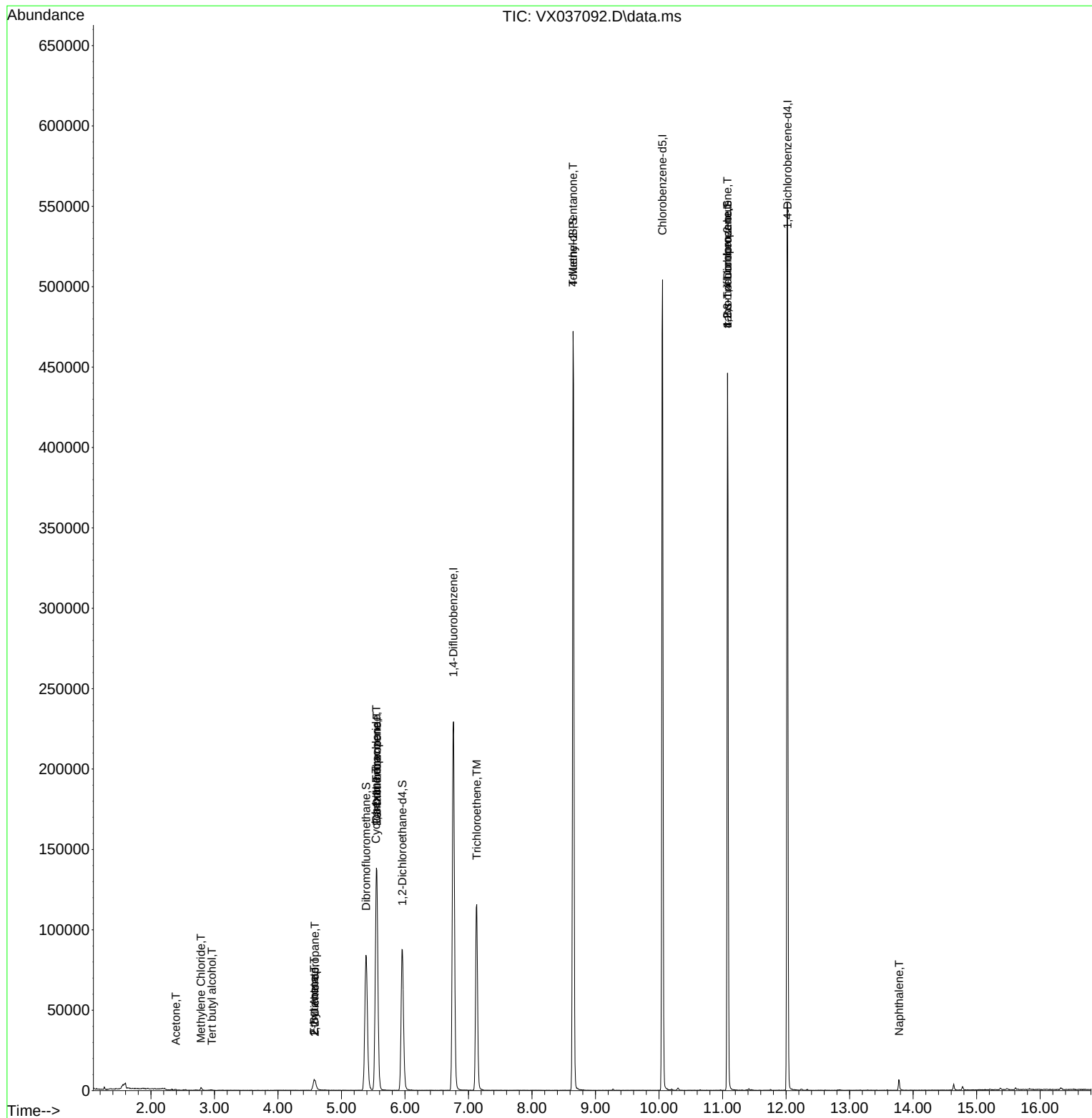
Internal Standards						
1) Pentafluorobenzene	5.556	168	129220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88023	47.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.500%		
35) Dibromofluoromethane	5.385	113	74103	47.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	8.647	98	285898	50.084	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.160%		
62) 4-Bromofluorobenzene	11.079	95	121077	53.973	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	306	0.700	ug/l #	78
16) Acetone	2.392	43	741	1.017	ug/l #	87
20) Methylene Chloride	2.788	84	821	0.504	ug/l #	85
25) 2-Butanone	4.568	43	534	0.487	ug/l #	51
26) 2,2-Dichloropropane	4.580	77	483	0.204	ug/l #	54
31) Cyclohexane	5.544	56	2868	1.369	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10487	4.691	ug/l #	51
37) Ethyl Acetate	4.568	43	534	0.234	ug/l #	56
38) Carbon Tetrachloride	5.550	117	13602	5.601	ug/l #	14
44) Trichloroethene	7.129	130	45947	25.270	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1055	0.479	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	62154	25.986	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62154	72.581	ug/l #	5
95) Naphthalene	13.780	128	5435	0.580	ug/l	99

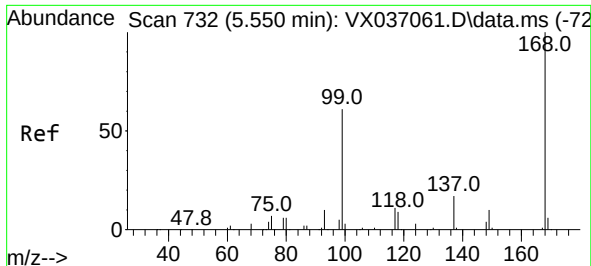
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 19 05:21:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

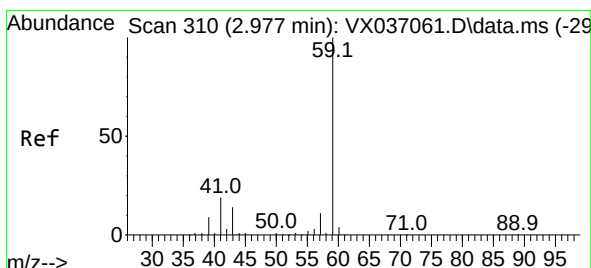
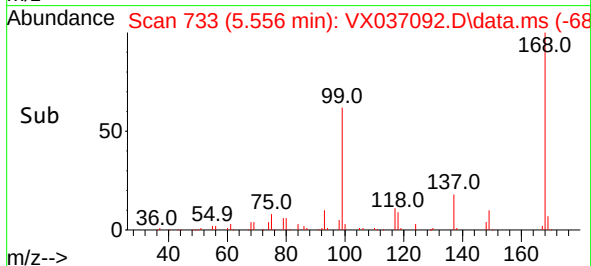
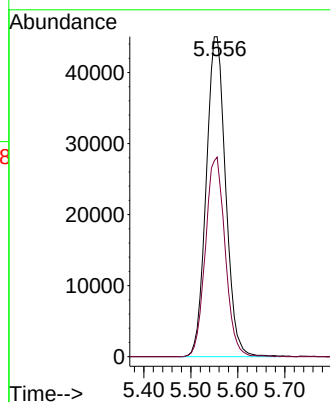
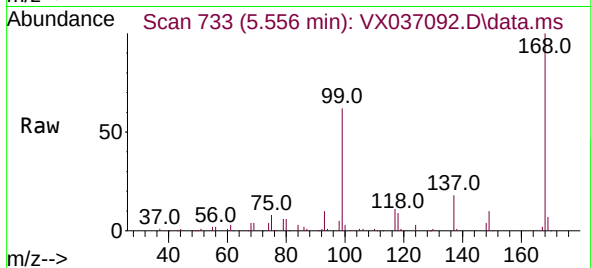




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

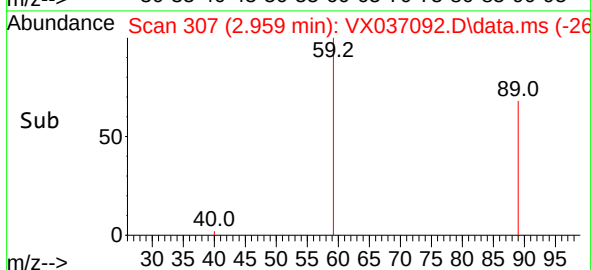
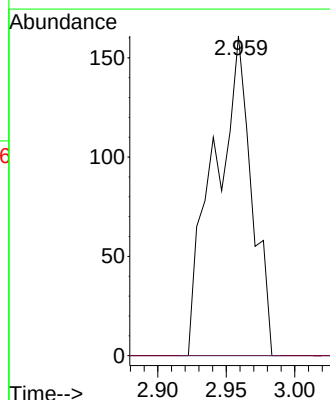
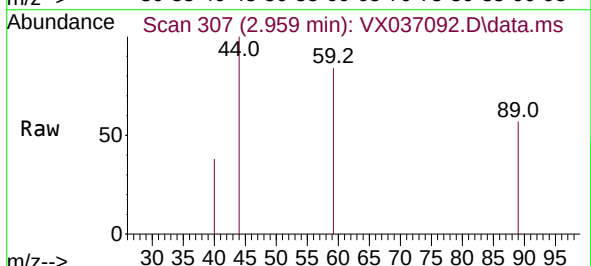
Instrument :
MSVOA_X
ClientSampleId :

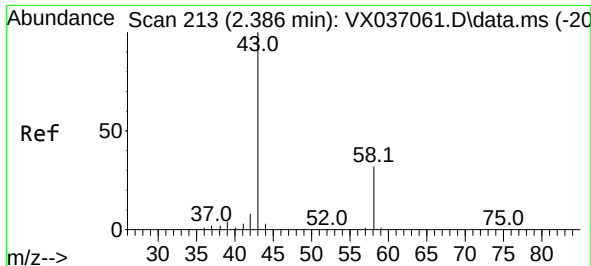
Tgt Ion:168 Resp: 129220
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.700 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

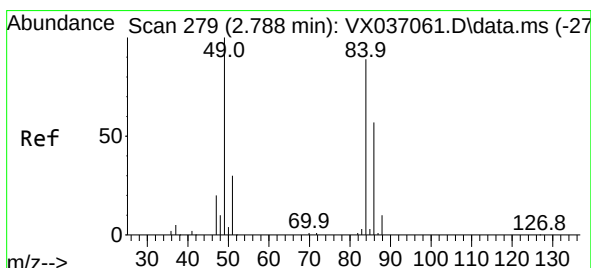
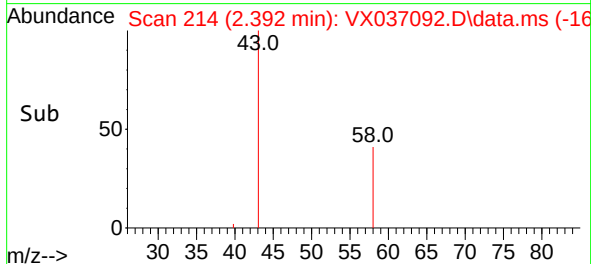
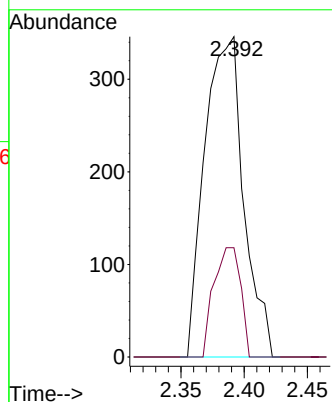
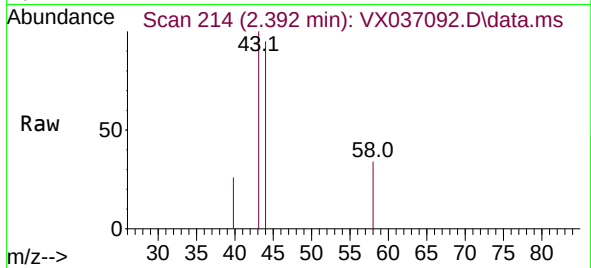




#16
Acetone
Concen: 1.017 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

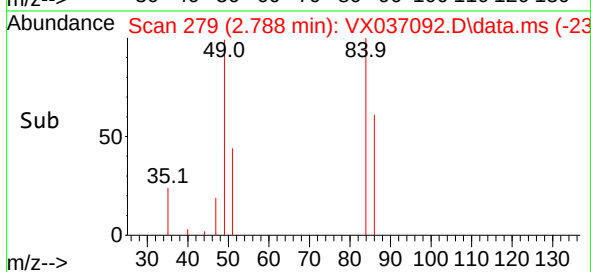
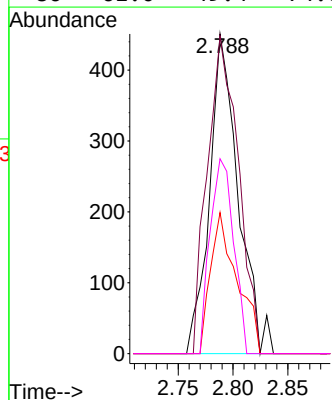
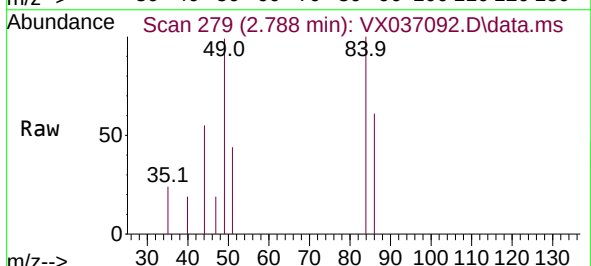
Instrument :
MSVOA_X
ClientSampleId :

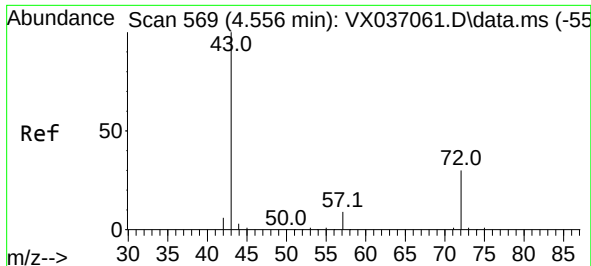
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 34.1 21.9 32.9#



#20
Methylene Chloride
Concen: 0.504 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion: 84 Resp: 821
Ion Ratio Lower Upper
84 100
49 99.3 103.6 155.4#
51 44.1 33.8 50.6
86 61.0 49.4 74.0

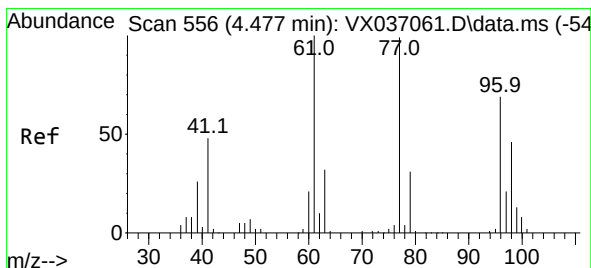
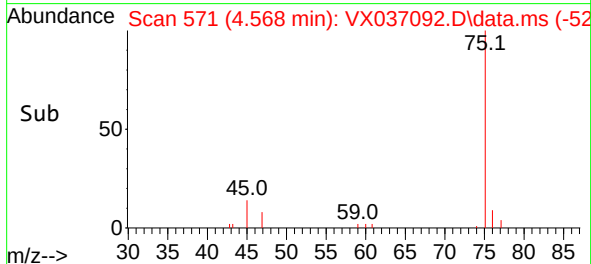
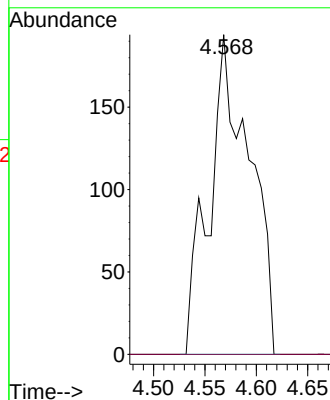
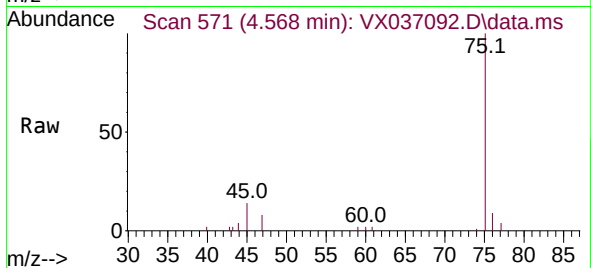




#25
2-Butanone
Concen: 0.487 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

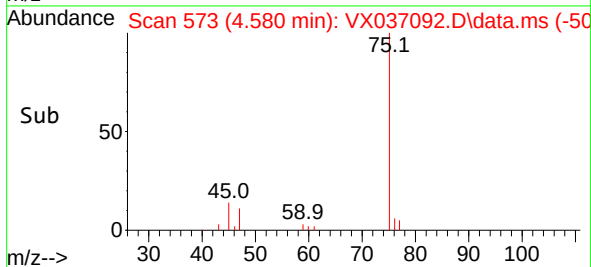
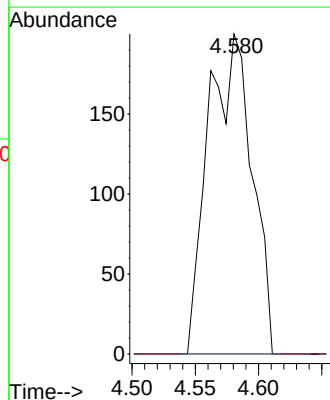
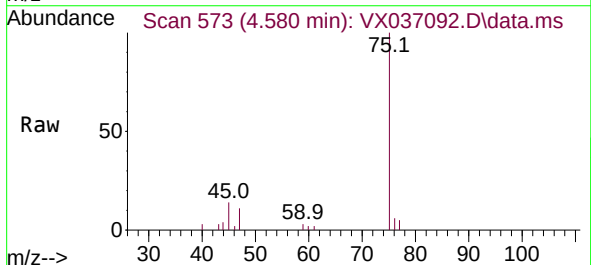
Instrument :
MSVOA_X
ClientSampleId :

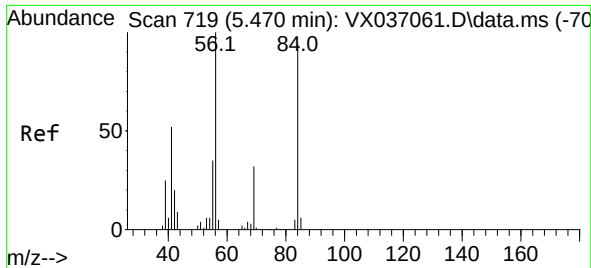
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.204 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.104 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

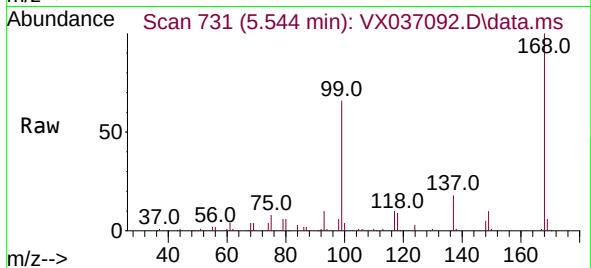
Tgt Ion: 77 Resp: 483
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



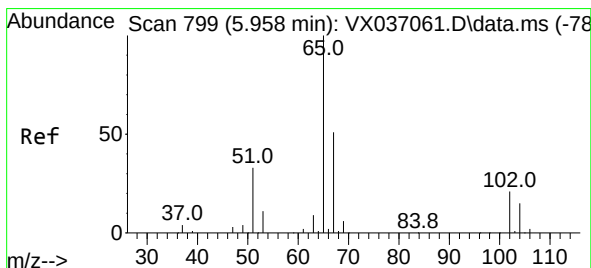
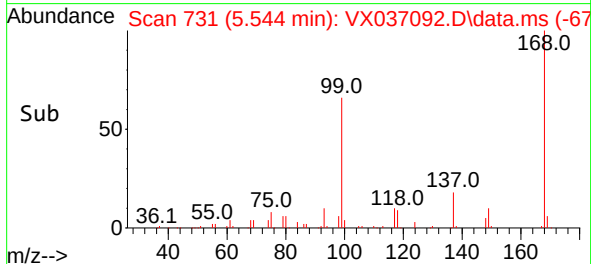
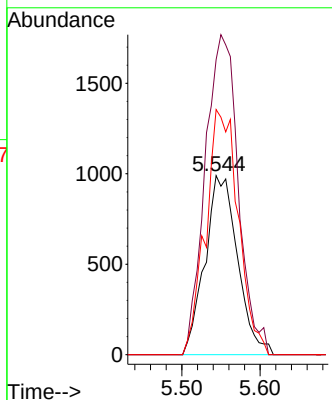


#31
Cyclohexane
Concen: 1.369 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Instrument :
MSVOA_X
ClientSampleId :

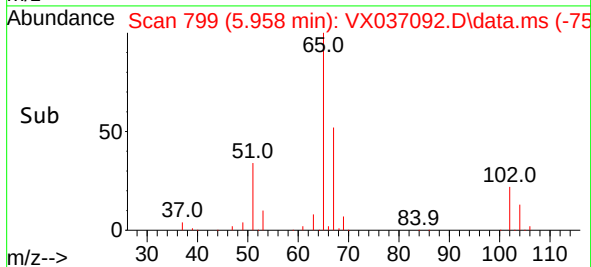
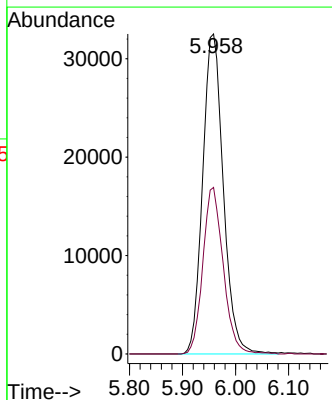
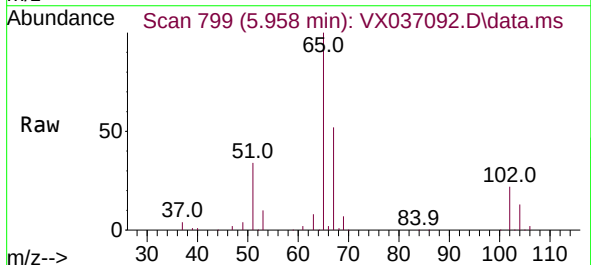


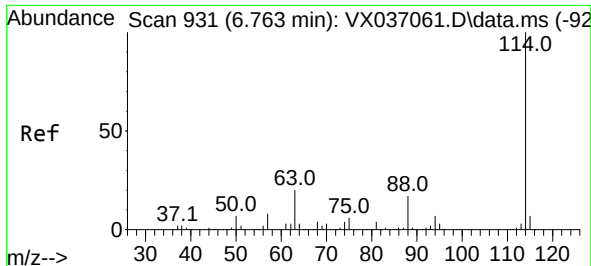
Tgt Ion: 56 Resp: 2868
Ion Ratio Lower Upper
56 100
69 164.7 23.4 35.2#
84 136.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.250 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion: 65 Resp: 88023
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

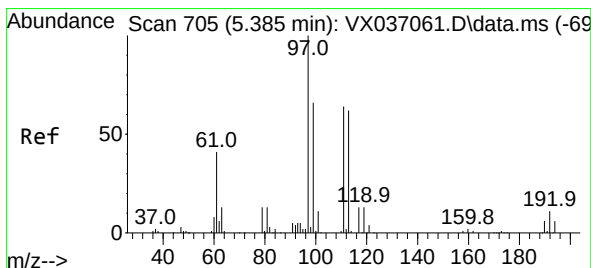
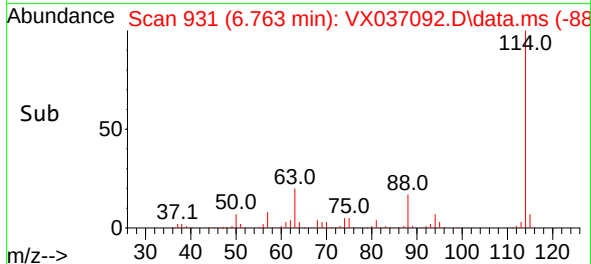
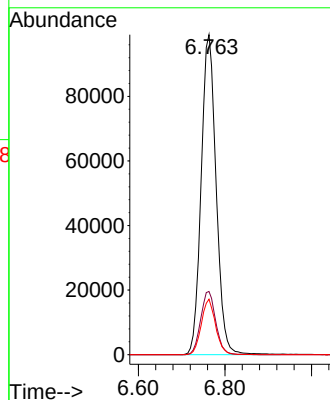
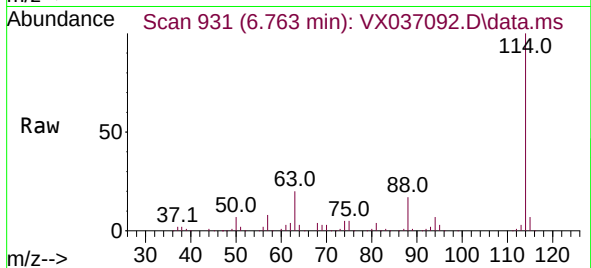




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

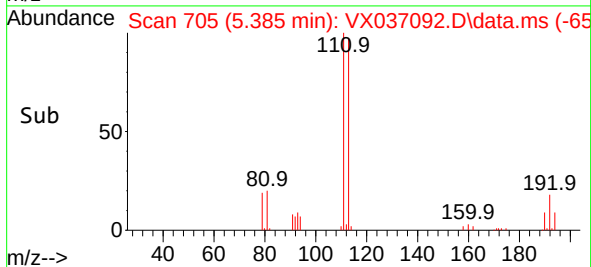
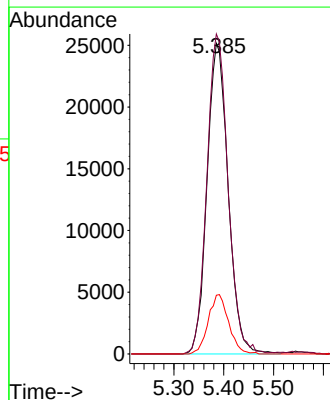
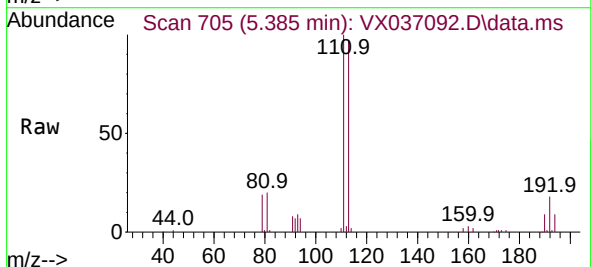
Instrument :
MSVOA_X
ClientSampleId :

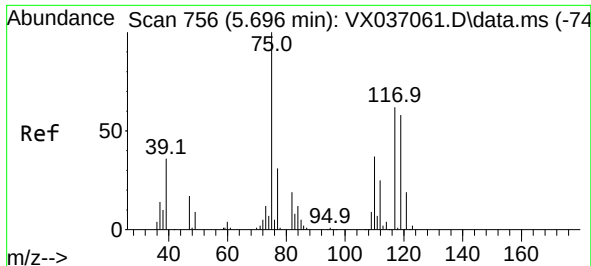
Tgt Ion:114 Resp: 237617
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 17.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.089 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

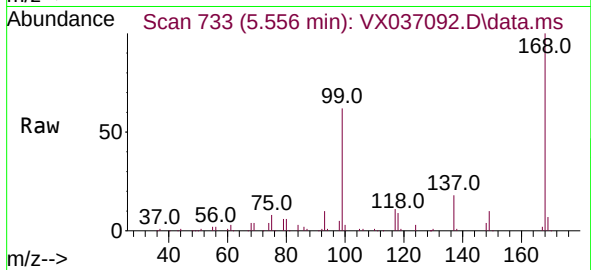
Tgt Ion:113 Resp: 74103
Ion Ratio Lower Upper
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111 103.3 82.9 124.3
192 18.4 13.3 19.9



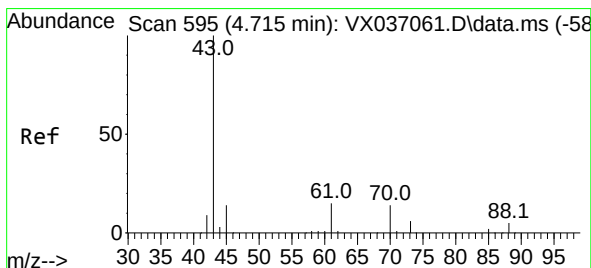
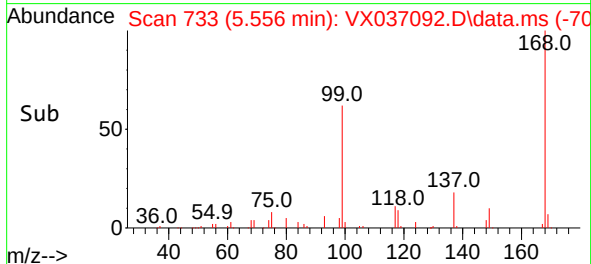
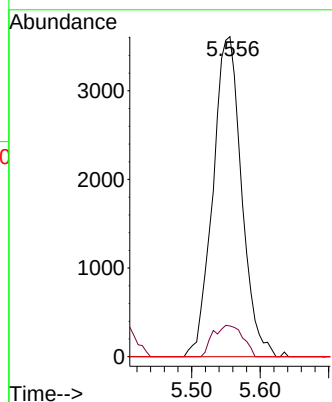


#36
 1,1-Dichloropropene
 Concen: 4.691 ug/l
 RT: 5.556 min Scan# 71
 Delta R.T. -0.140 min
 Lab File: VX037092.D
 Acq: 18 Aug 2023 18:20

Instrument :
 MSVOA_X
 ClientSampleId :

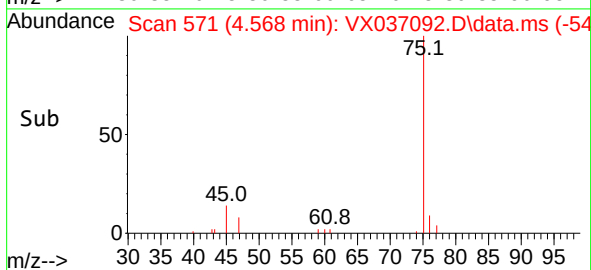
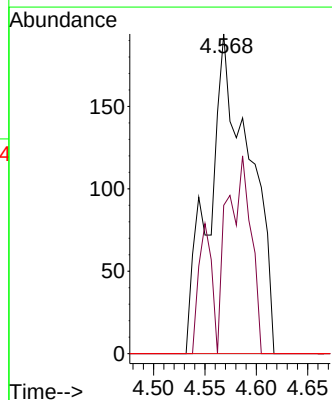
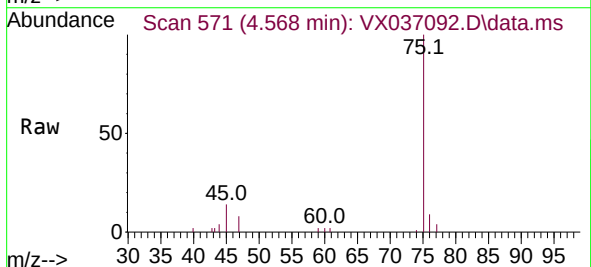


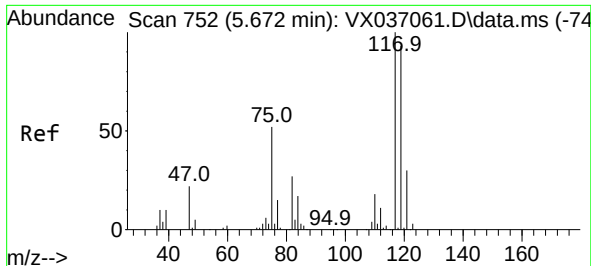
Tgt Ion: 75 Resp: 10487
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.0 50.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.234 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. -0.146 min
 Lab File: VX037092.D
 Acq: 18 Aug 2023 18:20

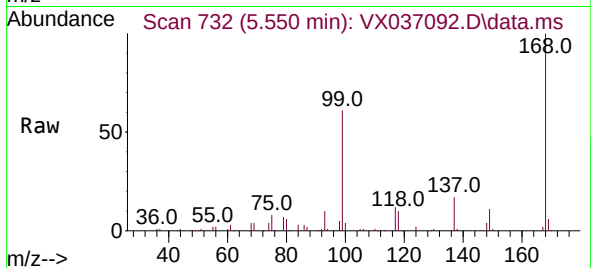
Tgt Ion: 43 Resp: 534
 Ion Ratio Lower Upper
 43 100
 61 36.0 10.6 16.0#
 70 0.0 8.3 12.5#



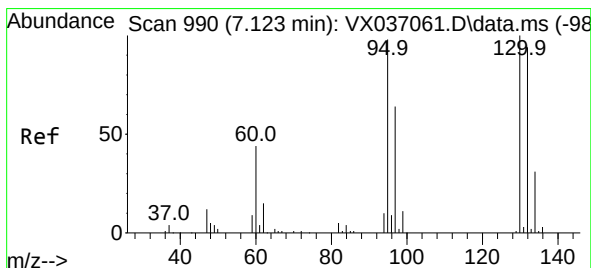
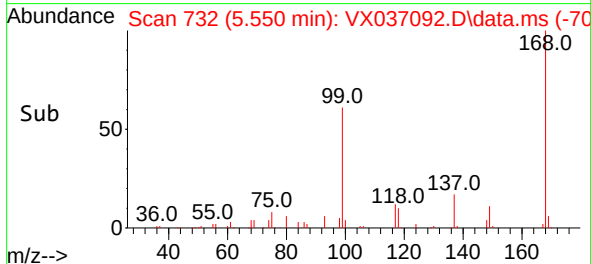
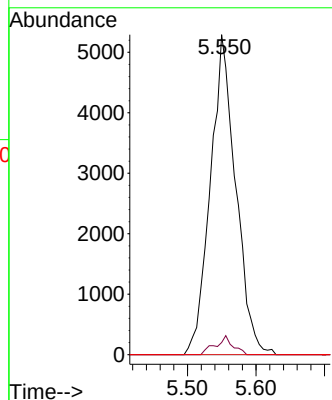


#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Instrument :
MSVOA_X
ClientSampleId :

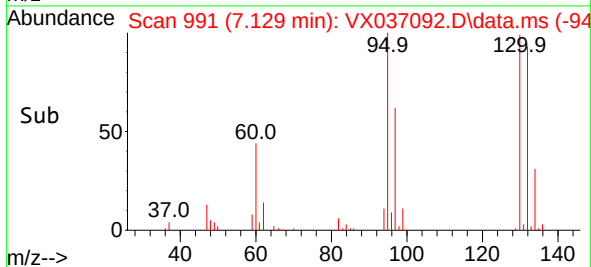
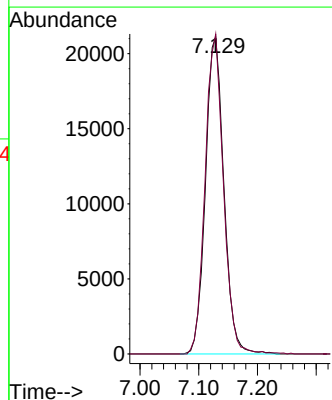
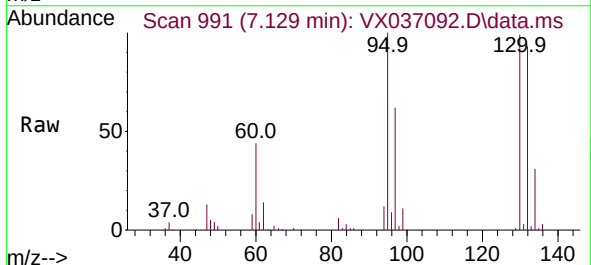


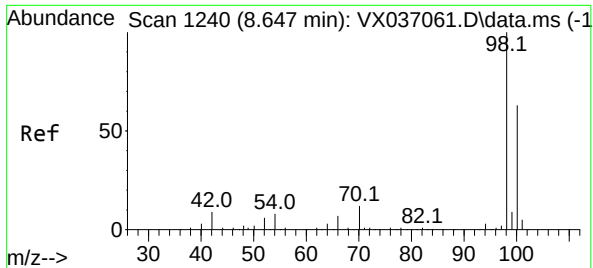
Tgt Ion:117 Resp: 13602
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 25.270 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion:130 Resp: 45947
Ion Ratio Lower Upper
130 100
95 100.9 0.0 204.4

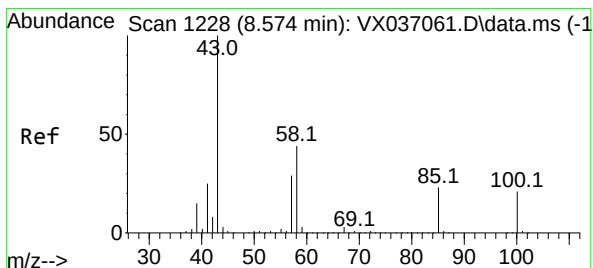
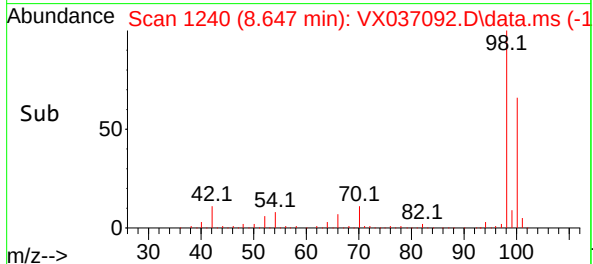
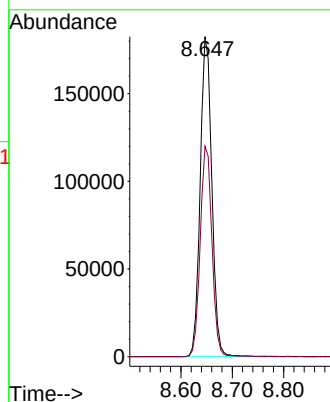
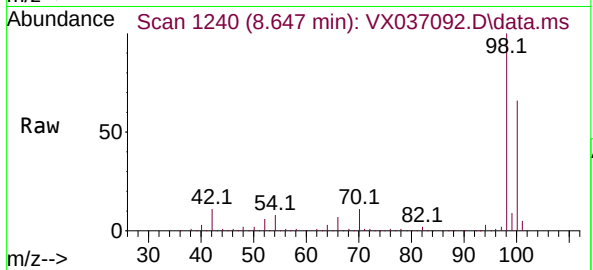




#50
Toluene-d8
Concen: 50.084 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

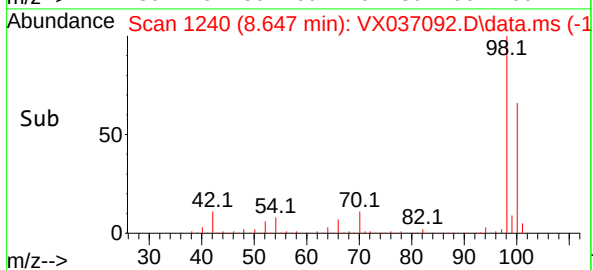
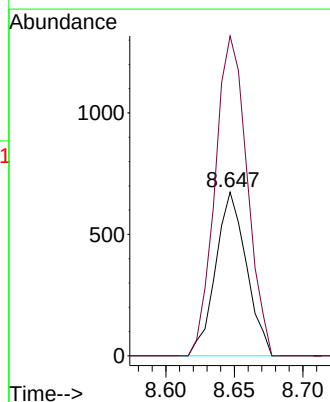
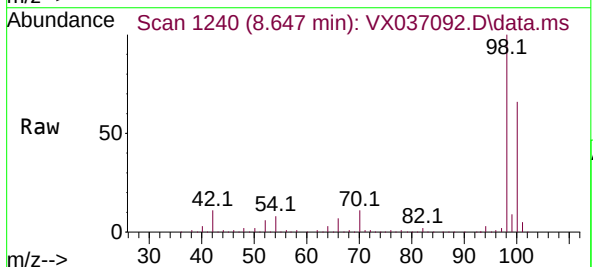
Instrument :
MSVOA_X
ClientSampleId :

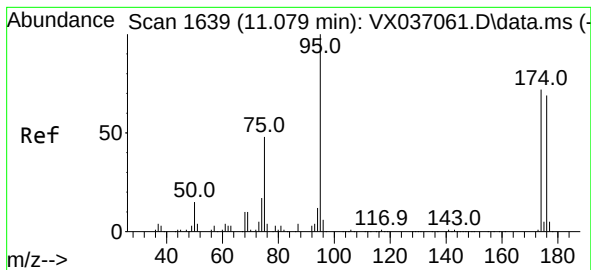
Tgt Ion: 98 Resp: 285898
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.479 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 203.2 30.4 45.6#

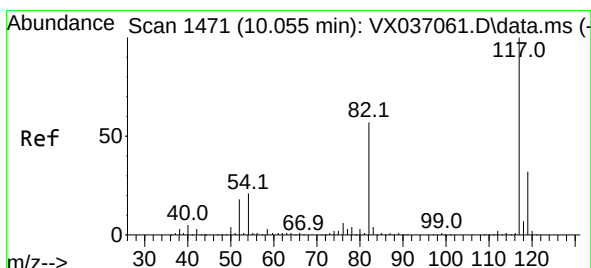
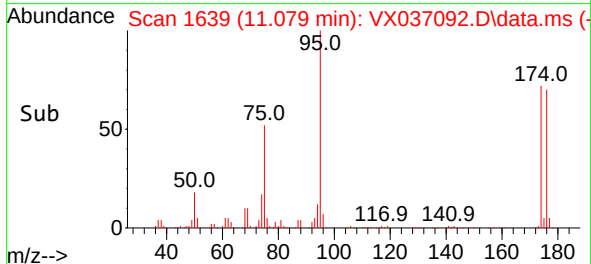
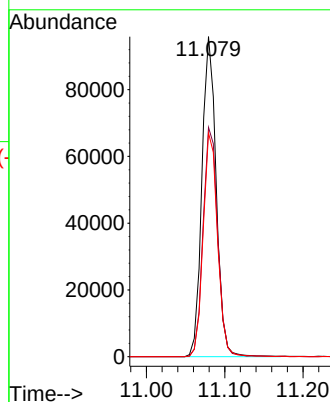
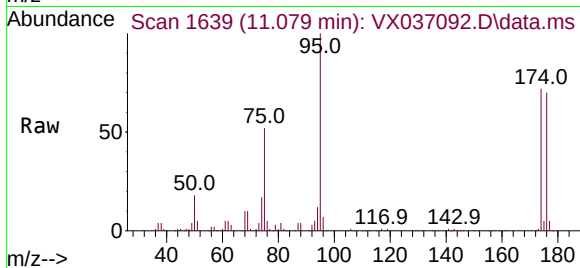




#62
4-Bromofluorobenzene
Concen: 53.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

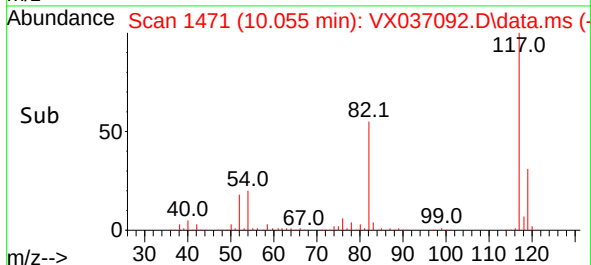
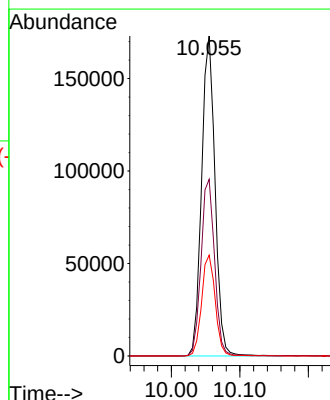
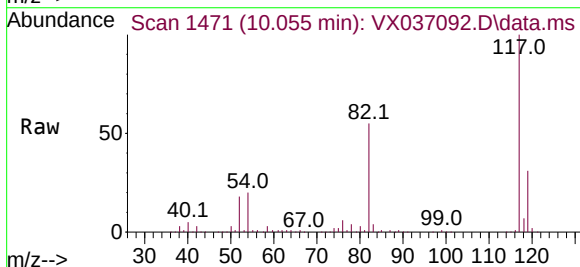
Instrument :
MSVOA_X
ClientSampleId :

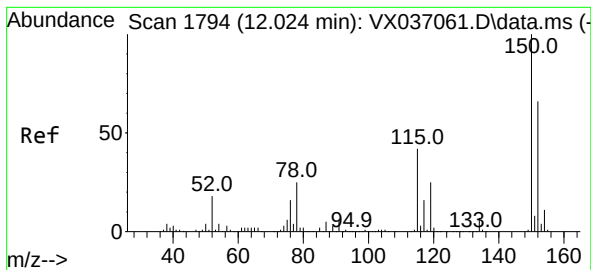
Tgt Ion: 95 Resp: 121077
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion: 117 Resp: 236109
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037092.D

Acq: 18 Aug 2023 18:20

Instrument :

MSVOA_X

ClientSampleId :

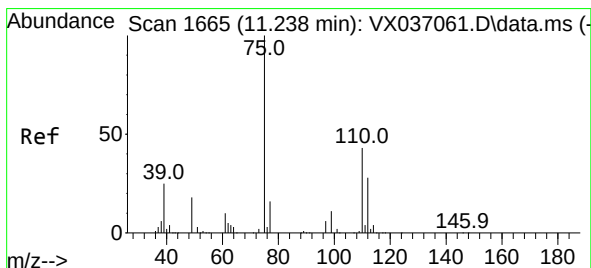
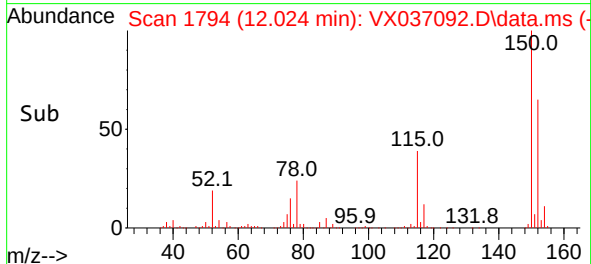
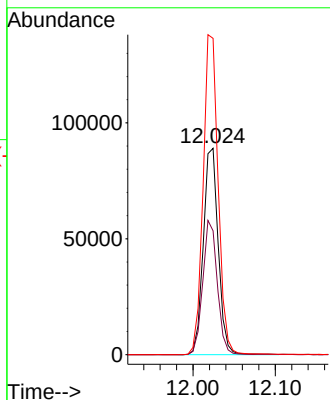
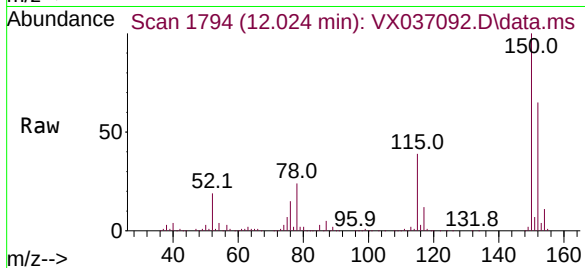
Tgt Ion:152 Resp: 112308

Ion Ratio Lower Upper

152 100

115 63.3 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.986 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037092.D

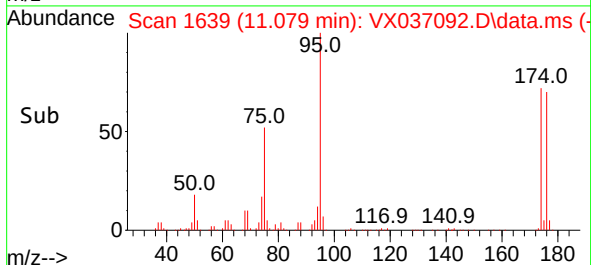
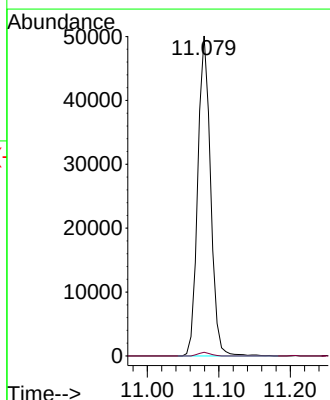
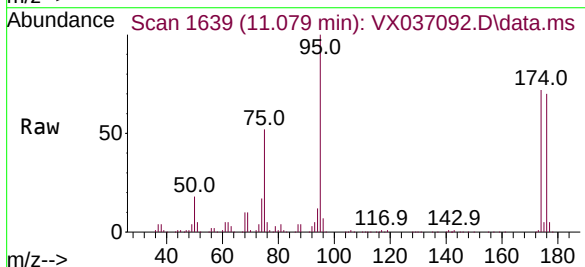
Acq: 18 Aug 2023 18:20

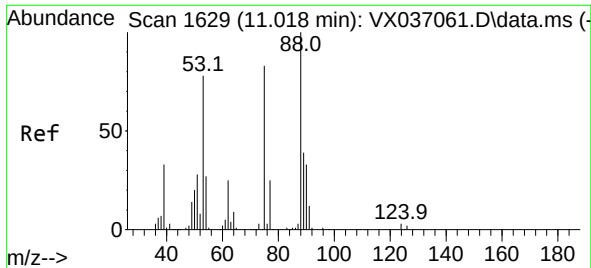
Tgt Ion: 75 Resp: 62154

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

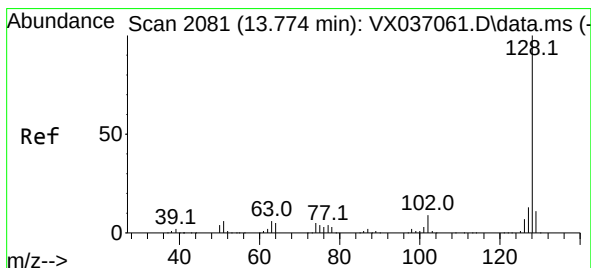
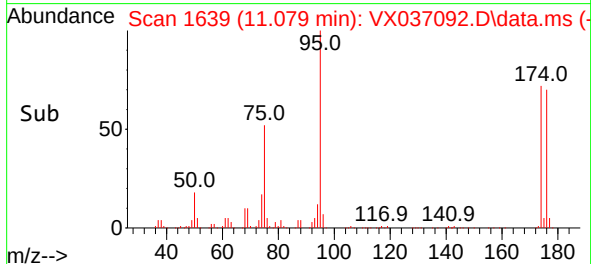
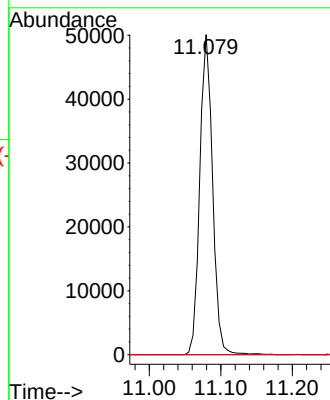
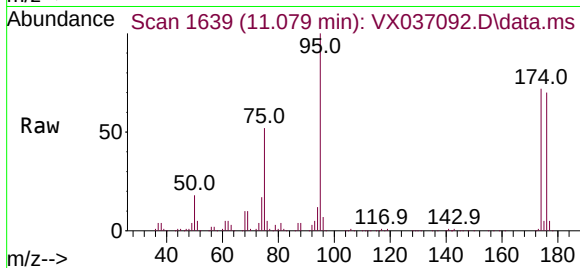




#81
trans-1,4-Dichloro-2-butene
Concen: 72.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 62154
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.580 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037092.D
Acq: 18 Aug 2023 18:20

Tgt Ion:128 Resp: 5435
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 11.2 8.8 13.2

