

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037580.D
 Acq On : 07 Sep 2023 15:32
 Operator : JC/MD
 Sample : 04327-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:46:09 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)

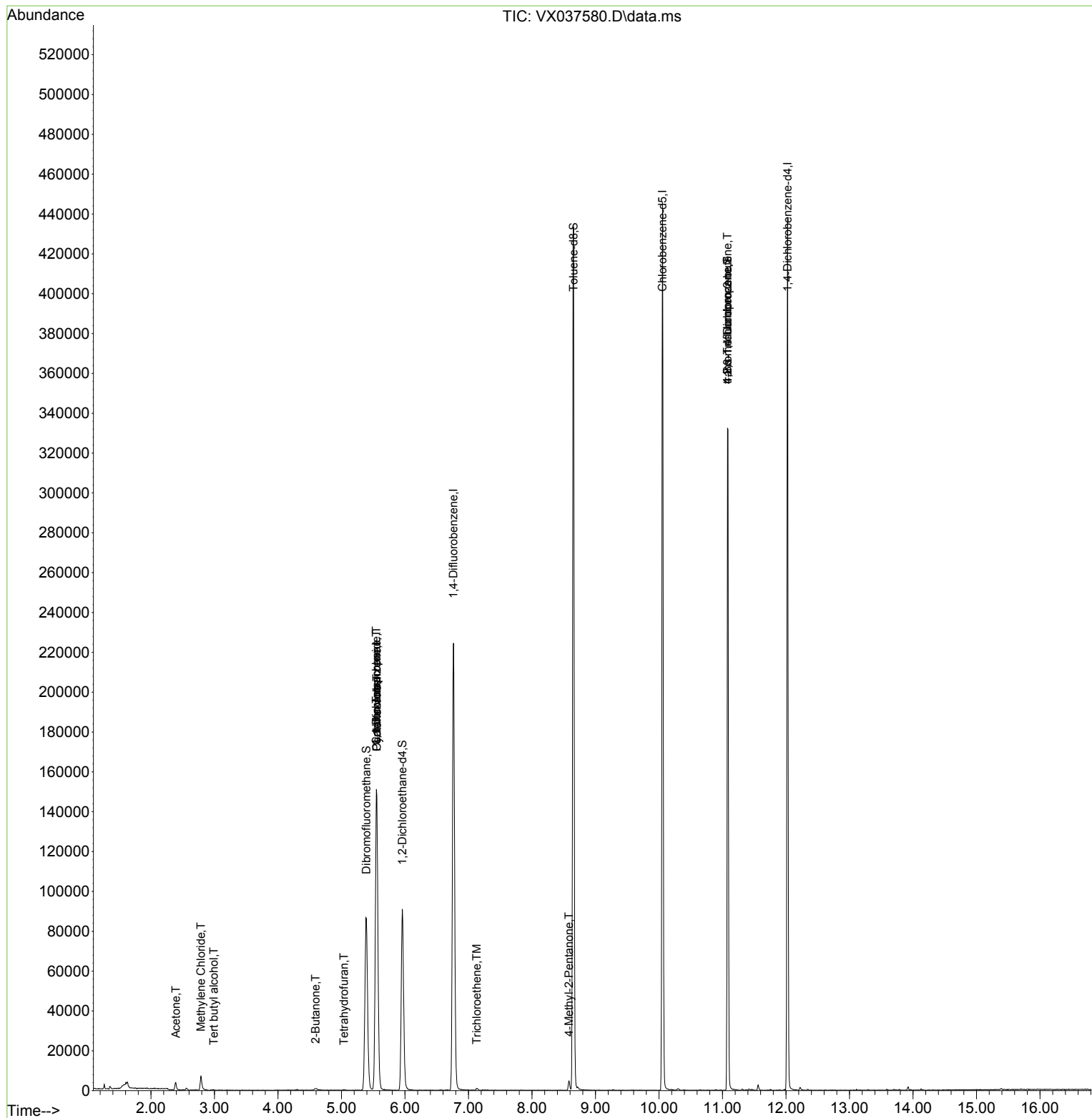
Internal Standards						
1) Pentafluorobenzene	5.556	168	143834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87879	42.379	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.760%		
35) Dibromofluoromethane	5.391	113	78417	48.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	8.653	98	276240	47.413	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.820%		
62) 4-Bromofluorobenzene	11.079	95	99376	43.403	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	290	0.596	ug/l #	78
16) Acetone	2.392	43	4164	5.133	ug/l #	86
20) Methylene Chloride	2.788	84	3947	2.176	ug/l #	79
25) 2-Butanone	4.593	43	1689	1.383	ug/l	96
29) Tetrahydrofuran	5.038	42	230	0.295	ug/l #	49
31) Cyclohexane	5.556	56	2514	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10478	4.592	ug/l #	48
38) Carbon Tetrachloride	5.550	117	14745	5.948	ug/l #	15
44) Trichloroethene	7.129	130	459	0.247	ug/l	75
51) 4-Methyl-2-Pentanone	8.580	43	2942	1.309	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	47510	24.354	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47510	68.021	ug/l #	5

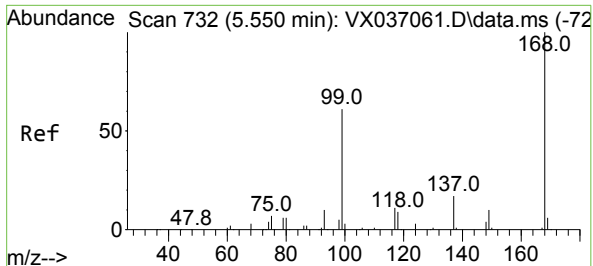
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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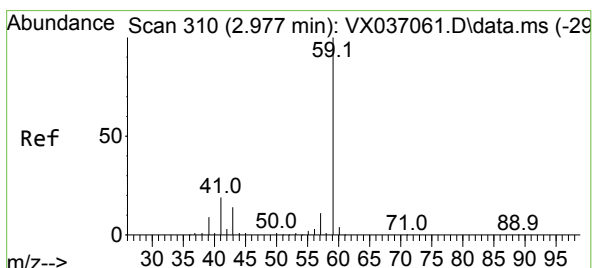
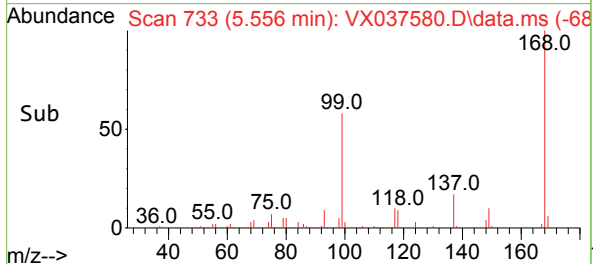
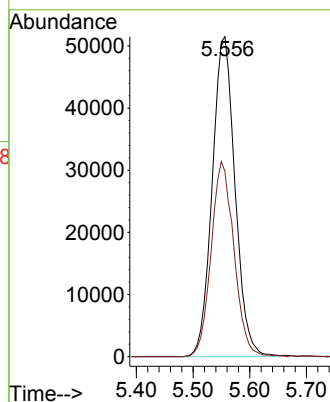
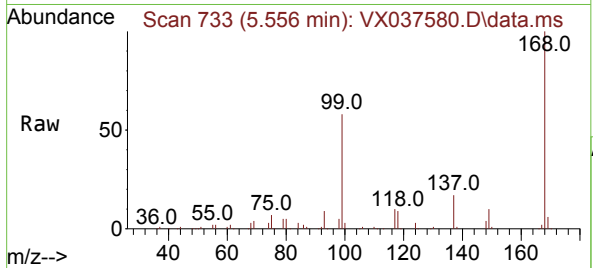




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

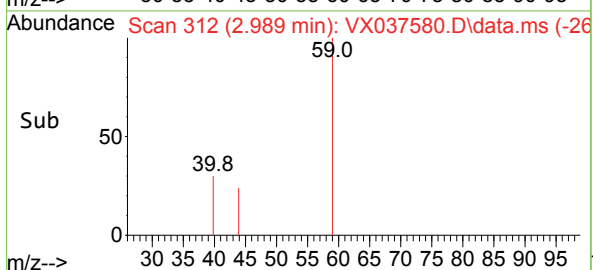
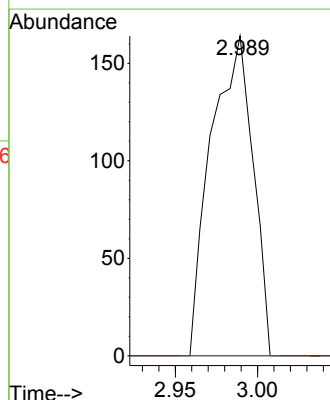
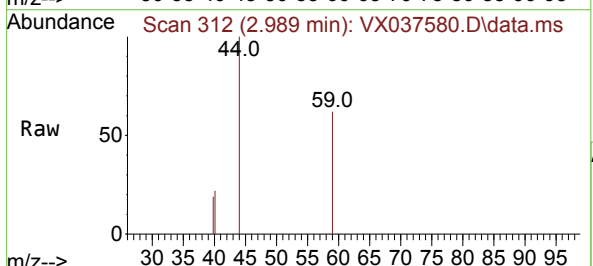
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 143834
Ion Ratio Lower Upper
168 100
99 57.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.596 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

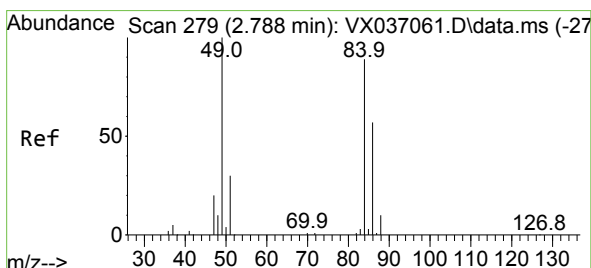
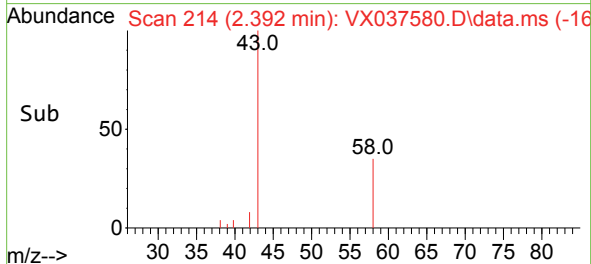
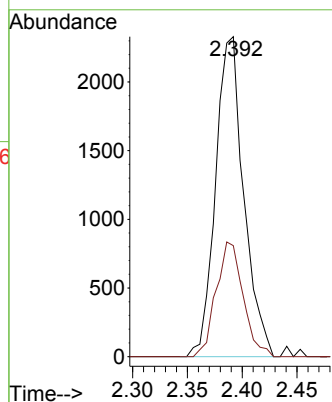
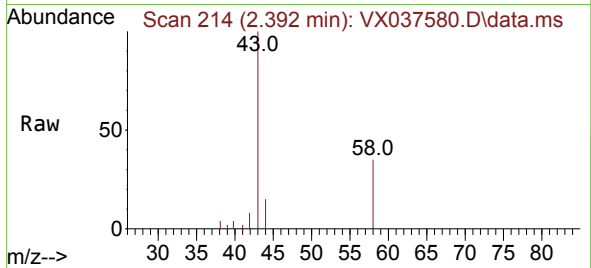




#16
Acetone
Concen: 5.133 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

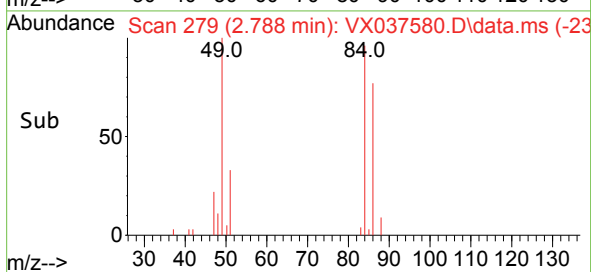
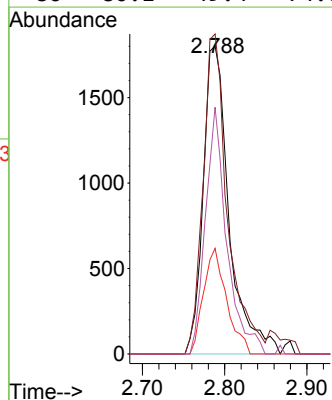
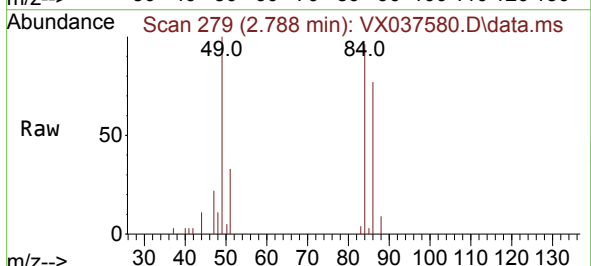
Instrument :
MSVOA_X
ClientSampleId :

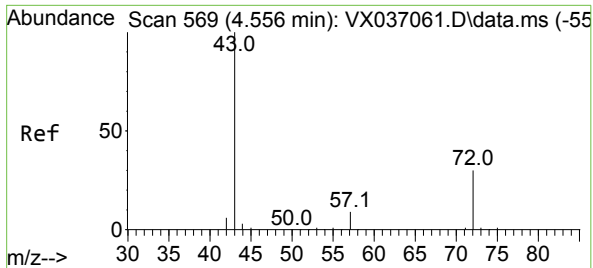
Tgt Ion: 43 Resp: 4164
Ion Ratio Lower Upper
43 100
58 34.7 21.9 32.9#



#20
Methylene Chloride
Concen: 2.176 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 84 Resp: 3947
Ion Ratio Lower Upper
84 100
49 103.9 103.6 155.4
51 34.3 33.8 50.6
86 80.1 49.4 74.0#

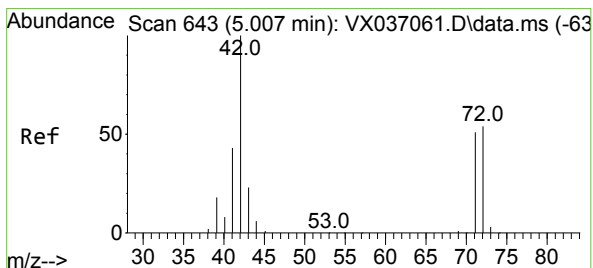
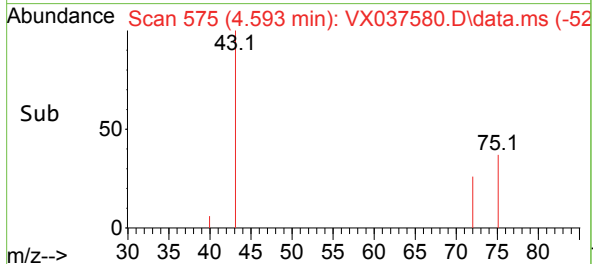
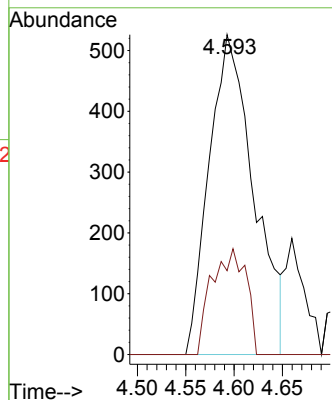
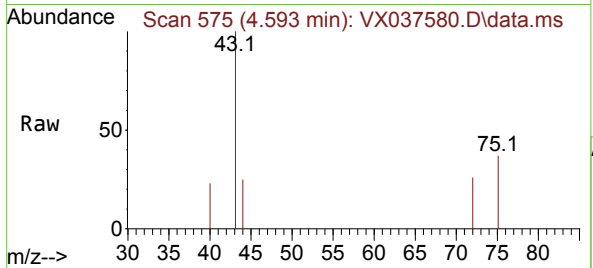




#25
2-Butanone
Concen: 1.383 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

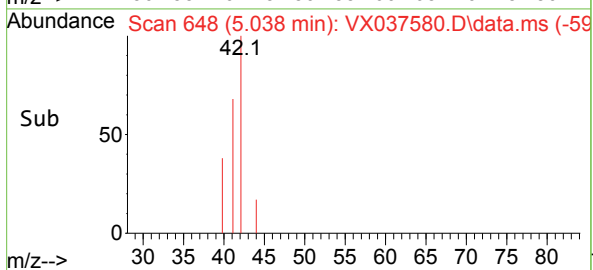
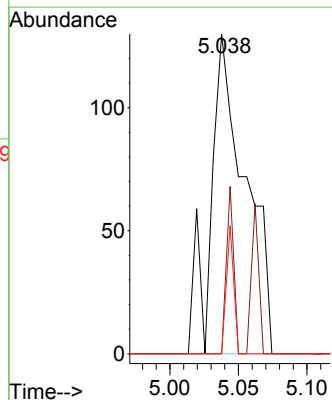
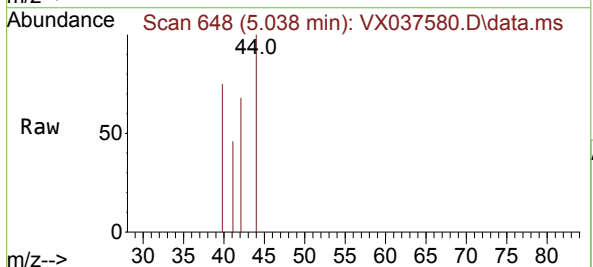
Instrument :
MSVOA_X
ClientSampleId :

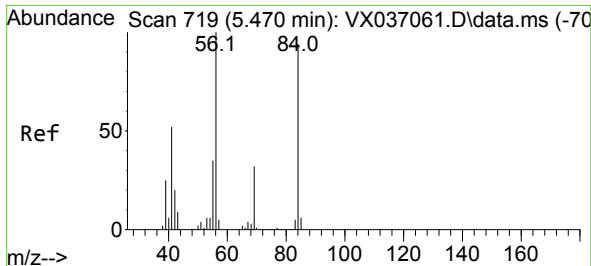
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
72 26.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.295 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

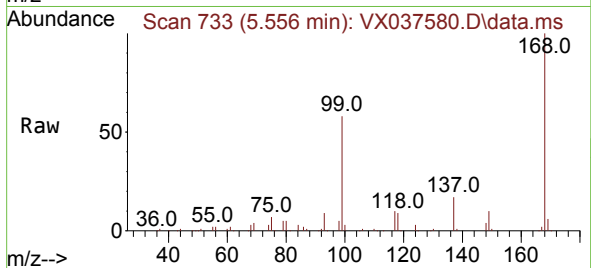
Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 10.9 34.2 51.4#
71 8.3 32.2 48.2#



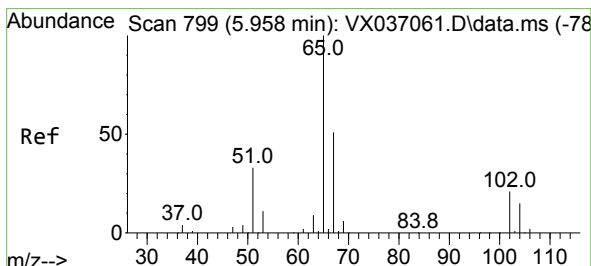
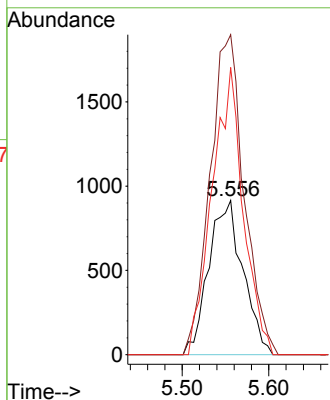
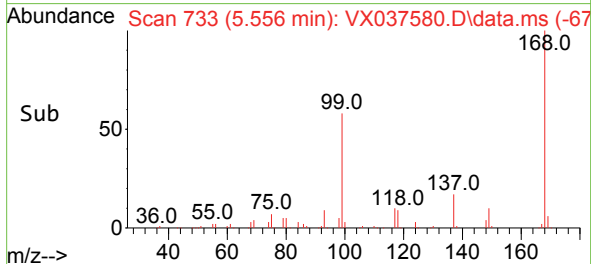


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :

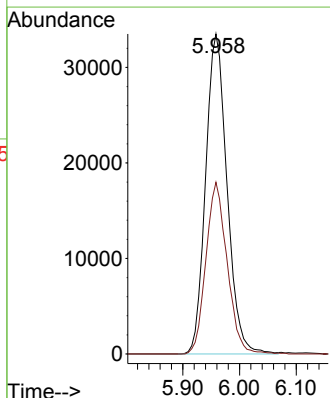
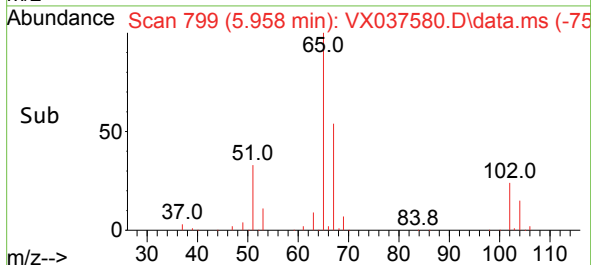
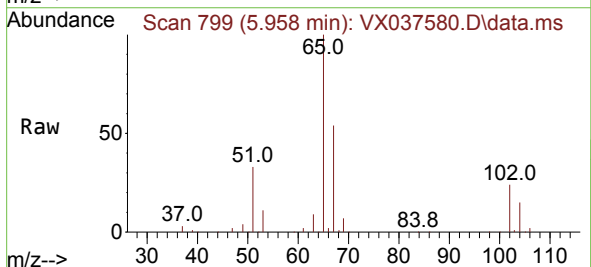


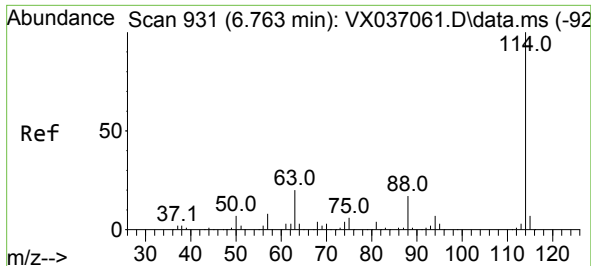
Tgt Ion: 56 Resp: 2514
Ion Ratio Lower Upper
56 100
69 207.5 23.4 35.2#
84 186.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.379 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 65 Resp: 87879
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

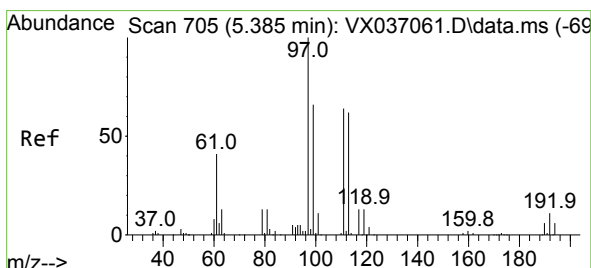
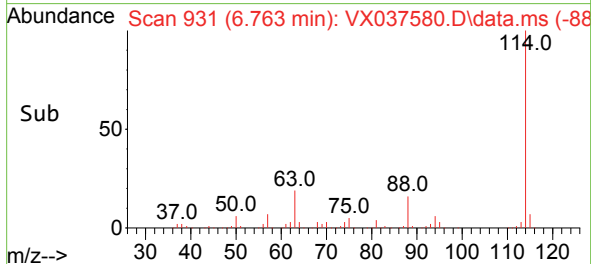
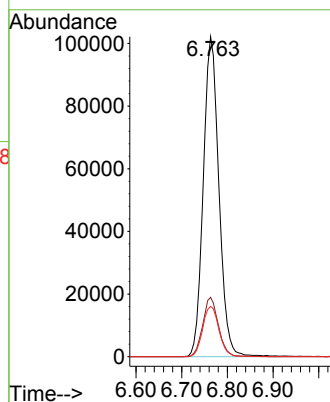
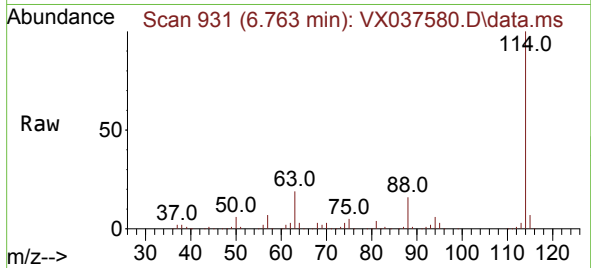




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX037580.D
 Acq: 07 Sep 2023 15:32

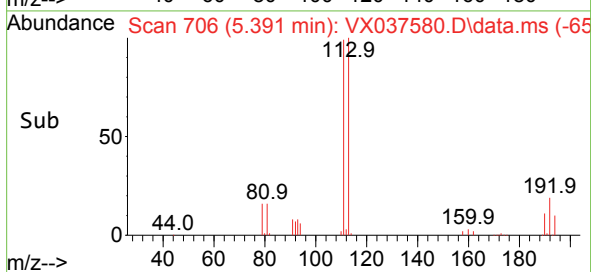
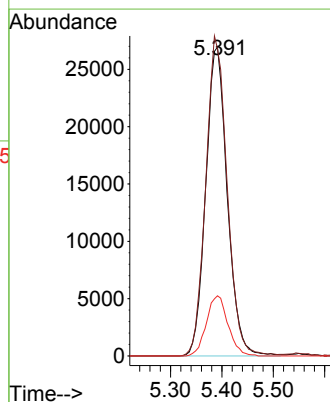
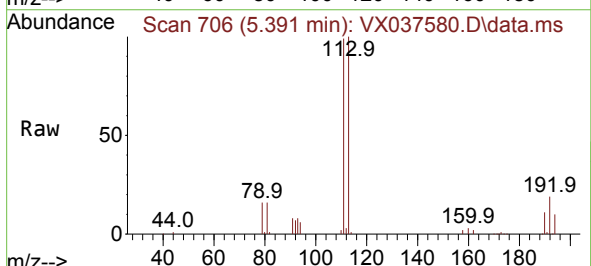
Instrument :
 MSVOA_X
 ClientSampleId :

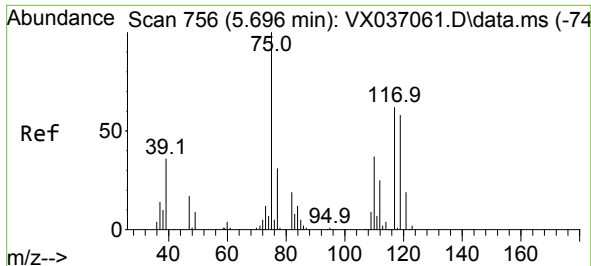
Tgt Ion:114 Resp: 242524
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 45.0
 88 15.7 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 48.822 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX037580.D
 Acq: 07 Sep 2023 15:32

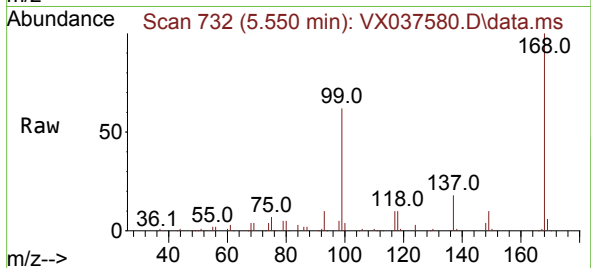
Tgt Ion:113 Resp: 78417
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 19.6 13.3 19.9



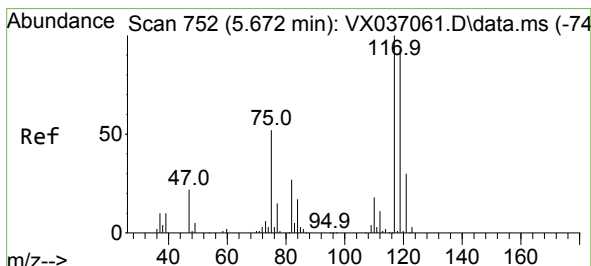
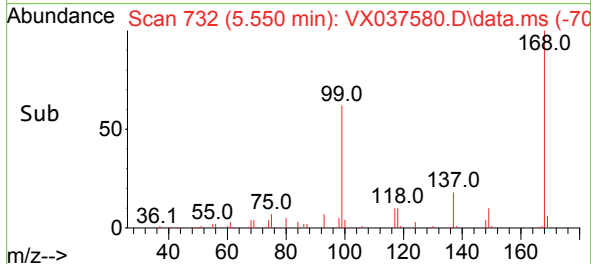
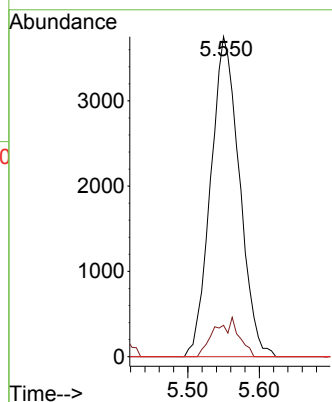


#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :

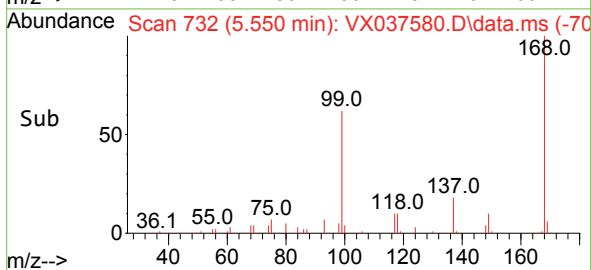
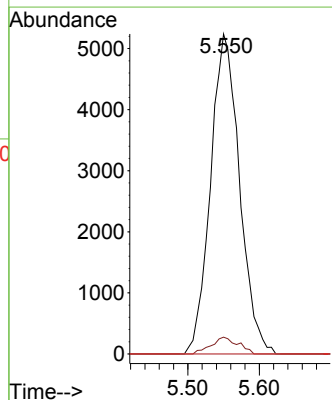
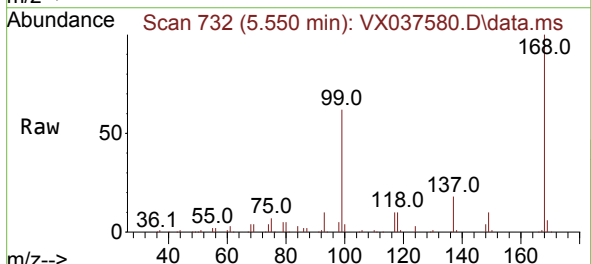


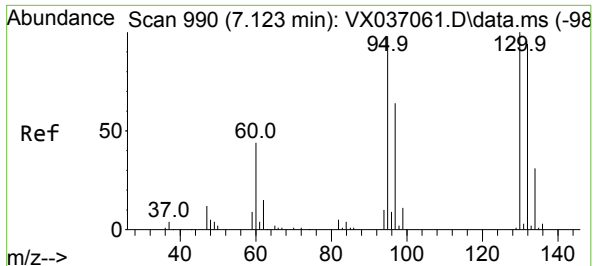
Tgt Ion: 75 Resp: 10478
Ion Ratio Lower Upper
75 100
110 6.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.948 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 117 Resp: 14745
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

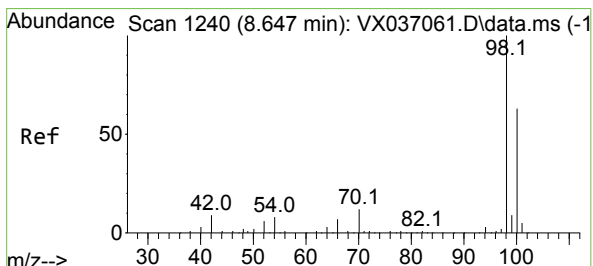
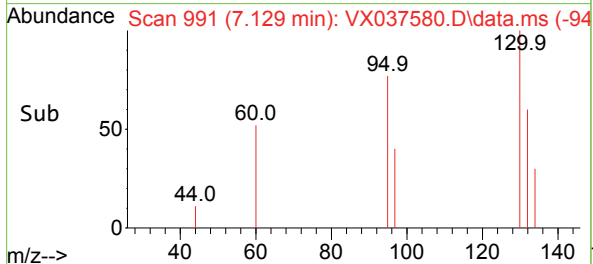
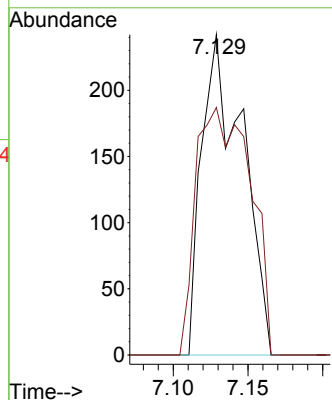
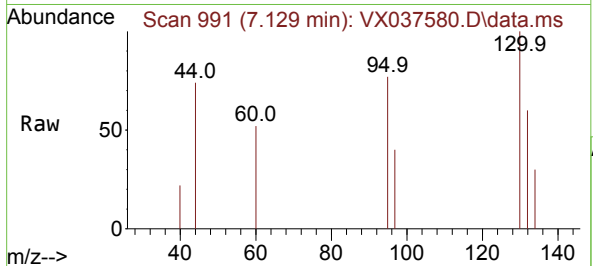




#44
Trichloroethene
Concen: 0.247 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

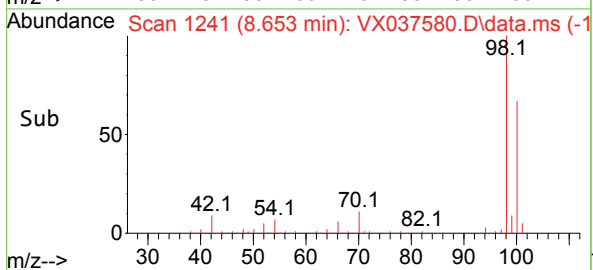
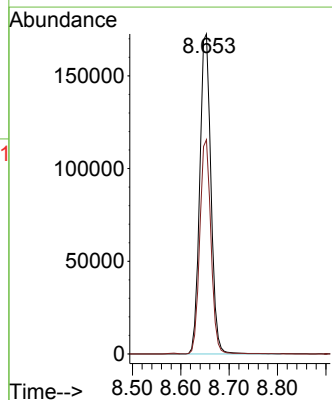
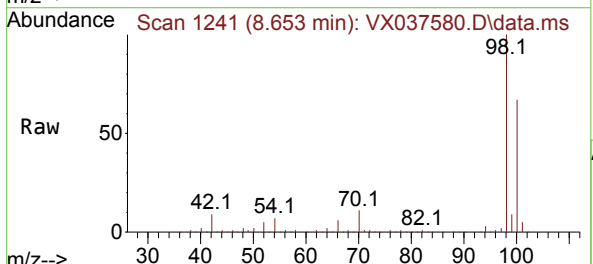
Instrument :
MSVOA_X
ClientSampleId :

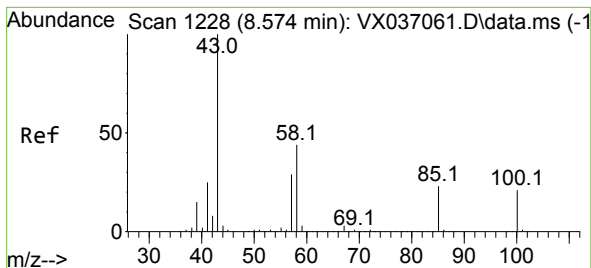
Tgt Ion:130 Resp: 459
Ion Ratio Lower Upper
130 100
95 77.3 0.0 204.4



#50
Toluene-d8
Concen: 47.413 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 98 Resp: 276240
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

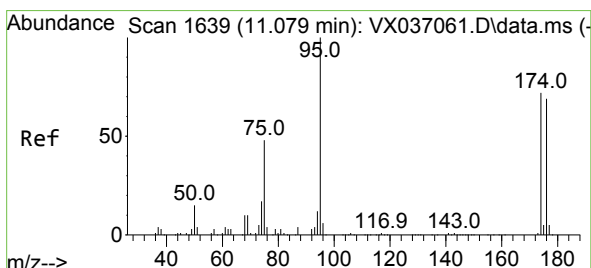
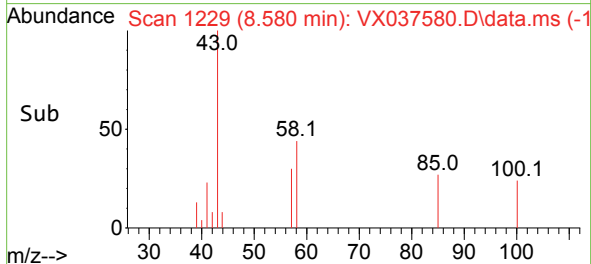
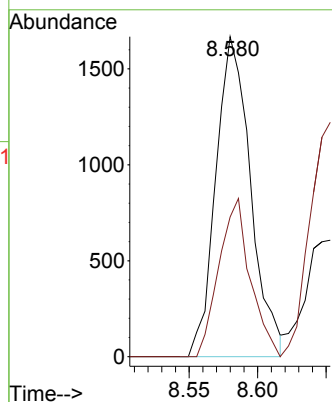
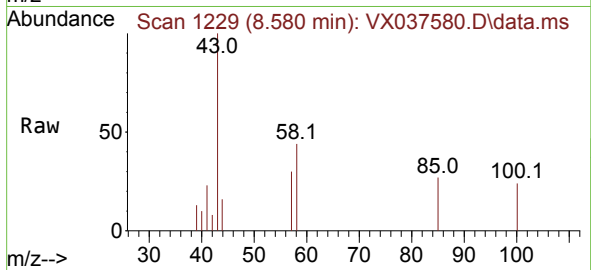




#51
4-Methyl-2-Pentanone
Concen: 1.309 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

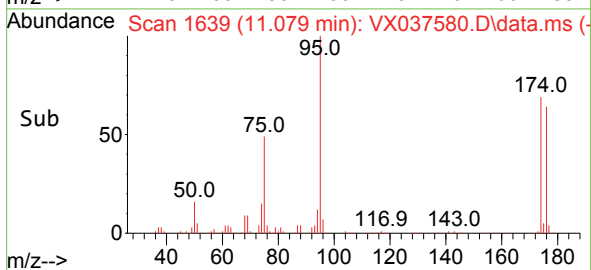
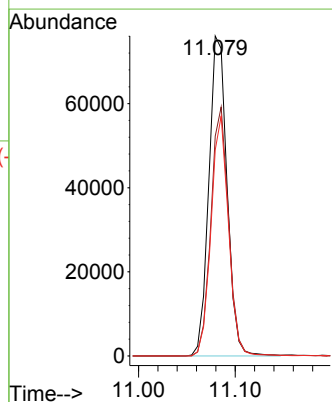
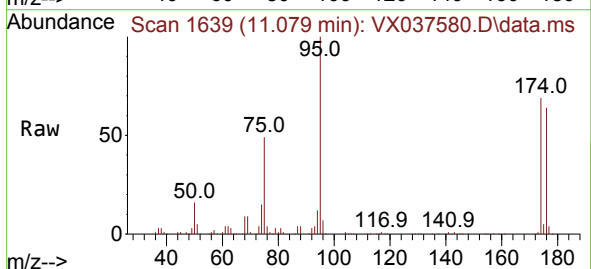
Instrument :
MSVOA_X
ClientSampleId :

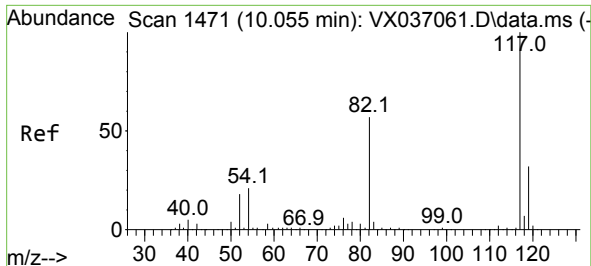
Tgt Ion: 43 Resp: 2942
Ion Ratio Lower Upper
43 100
58 44.5 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 43.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion: 95 Resp: 99376
Ion Ratio Lower Upper
95 100
174 76.3 0.0 135.6
176 72.0 0.0 131.0

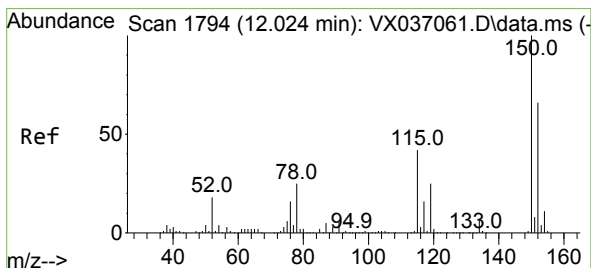
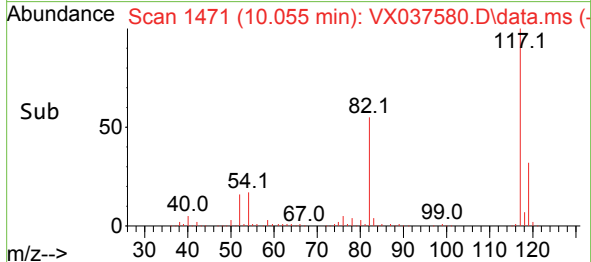
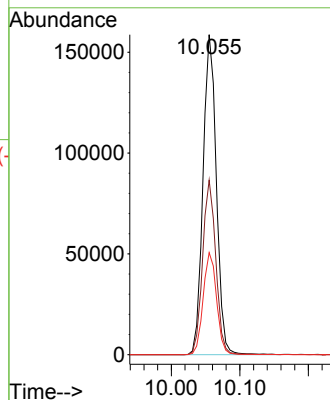
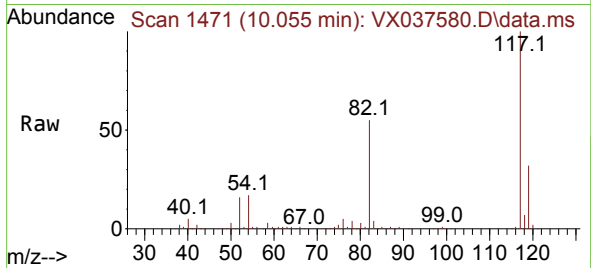




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

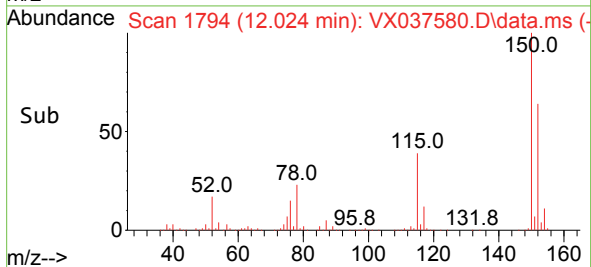
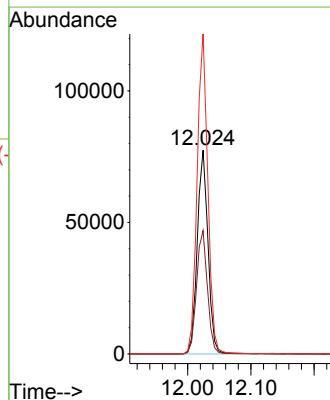
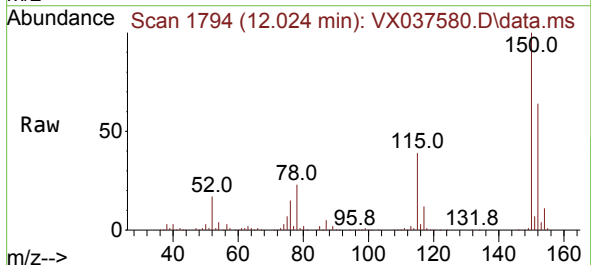
Instrument :
MSVOA_X
ClientSampleId :

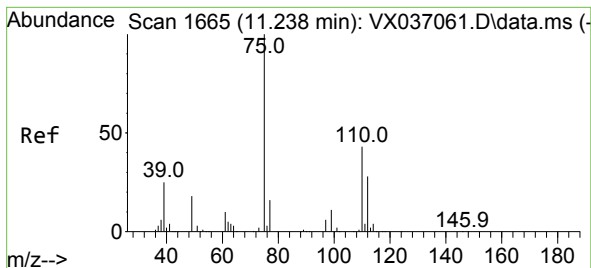
Tgt Ion:117 Resp: 215663
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037580.D
Acq: 07 Sep 2023 15:32

Tgt Ion:152 Resp: 91603
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 156.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.354 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX037580.D

Acq: 07 Sep 2023 15:32

Instrument :

MSVOA_X

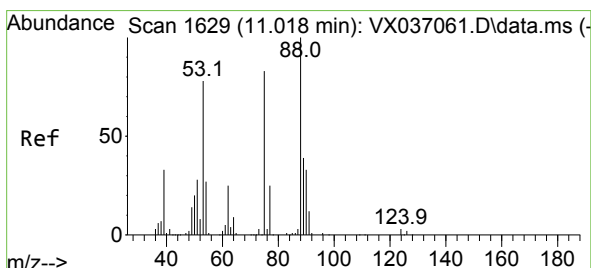
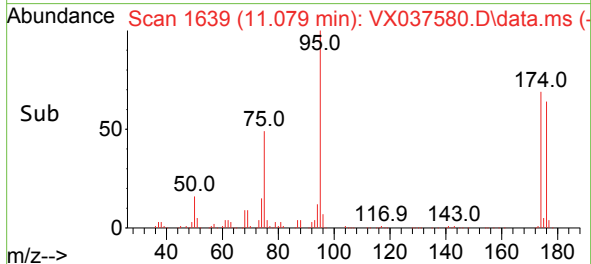
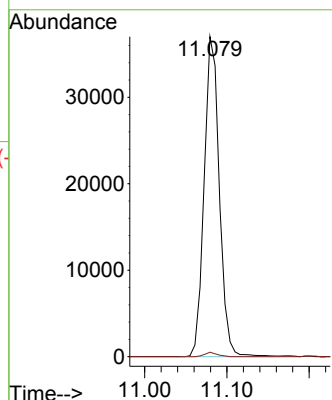
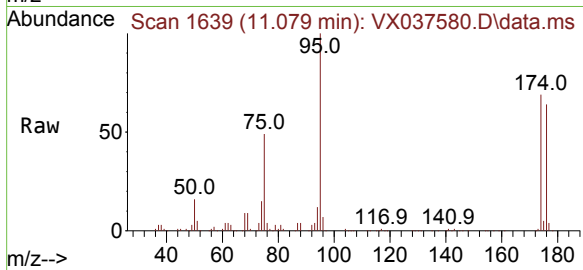
ClientSampleId :

Tgt Ion: 75 Resp: 47510

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.021 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037580.D

Acq: 07 Sep 2023 15:32

Tgt Ion: 75 Resp: 47510

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

