

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX037998.D
 Acq On : 30 Sep 2023 12:58
 Operator : JC/MD
 Sample : 04652-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:09:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

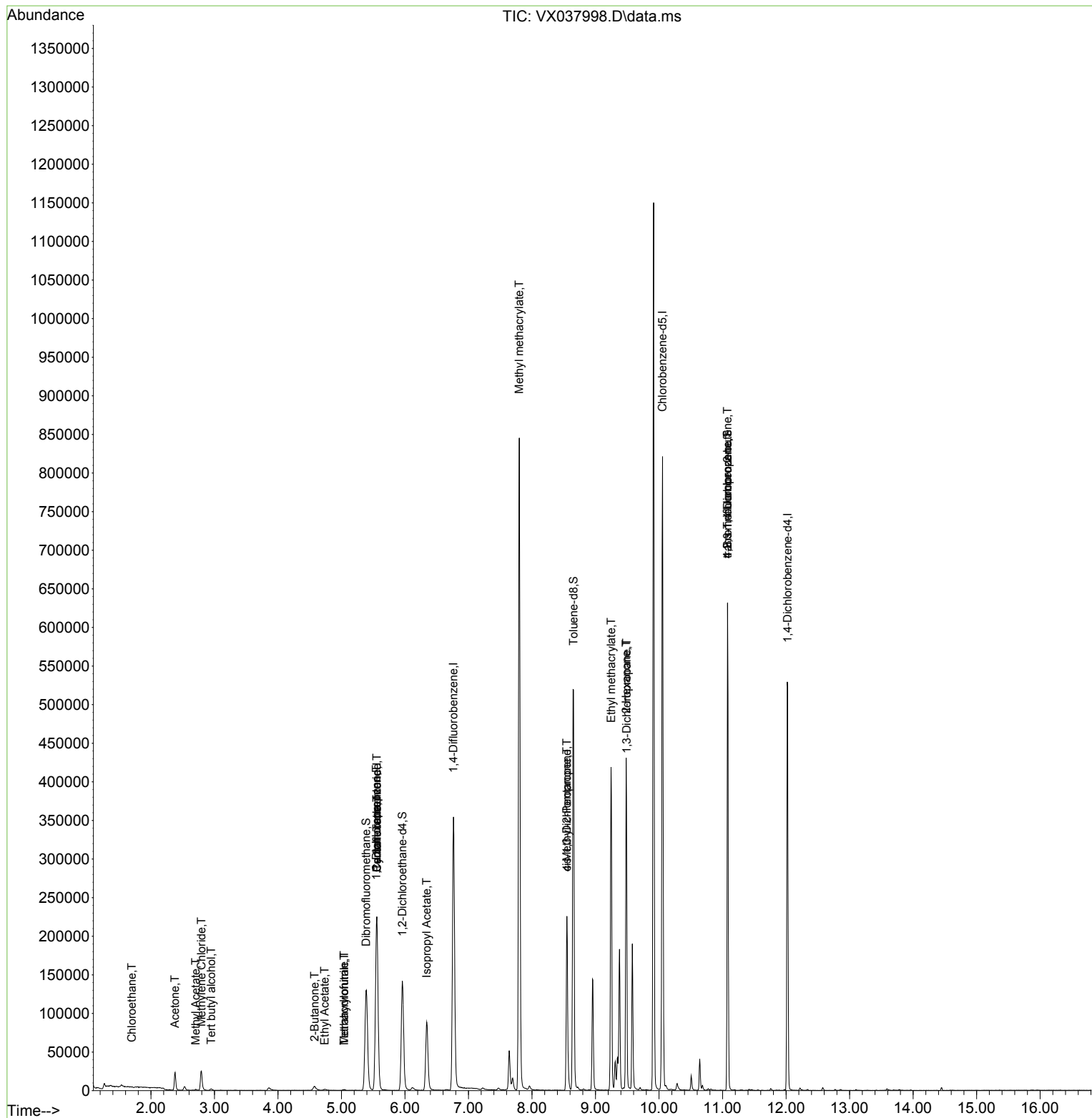
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	218234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	370424	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134809	47.017	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.040%		
35) Dibromofluoromethane	5.385	113	116770	47.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	8.653	98	321948	34.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	69.920%#		
62) 4-Bromofluorobenzene	11.079	95	145592	43.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.020%		
Target Compounds						
						Qvalue
6) Chloroethane	1.697	64	692	0.372	ug/l	# 43
11) Tert butyl alcohol	2.947	59	1512	2.457	ug/l	# 78
16) Acetone	2.380	43	23133	16.771	ug/l	92
18) Methyl Acetate	2.703	43	1795	0.361	ug/l	# 90
20) Methylene Chloride	2.794	84	13070	5.103	ug/l	89
25) 2-Butanone	4.574	43	6506	3.342	ug/l	# 70
29) Tetrahydrofuran	5.044	42	820	0.677	ug/l	# 42
31) Cyclohexane	5.556	56	4284	1.164	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	16163	4.734	ug/l	# 47
37) Ethyl Acetate	4.733	43	3644	0.971	ug/l	# 90
38) Carbon Tetrachloride	5.556	117	21950	6.144	ug/l	# 16
41) Methacrylonitrile	5.044	41	526	0.275	ug/l	# 25
43) Isopropyl Acetate	6.342	43	119269	19.872	ug/l	# 95
48) Methyl methacrylate	7.799	41	73434	25.594	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.549	43	78589	20.638	ug/l	# 53
54) cis-1,3-Dichloropropene	8.549	75	35279	8.440	ug/l	# 60
56) Ethyl methacrylate	9.244	69	1174	0.276	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	3951	0.856	ug/l	# 42
59) 2-Hexanone	9.482	43	46665	15.739	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	74872	30.456	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	74872	97.560	ug/l	# 5

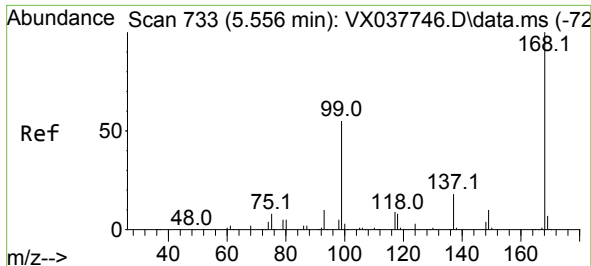
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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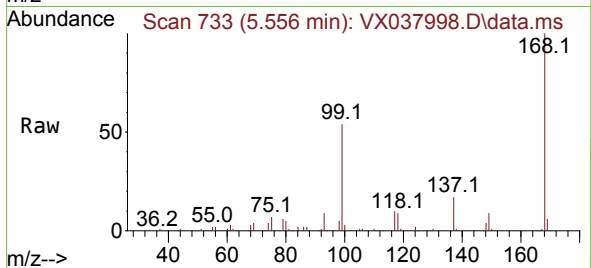
Quant Time: Oct 02 02:09:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



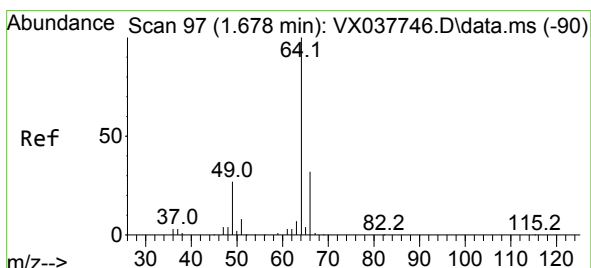
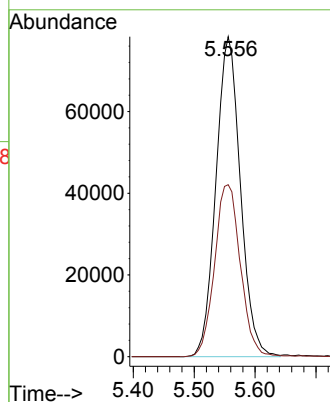
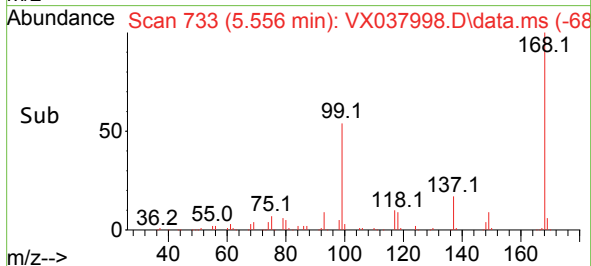


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Instrument :
MSVOA_X
ClientSampleId :

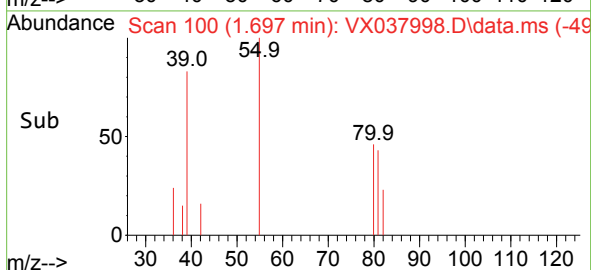
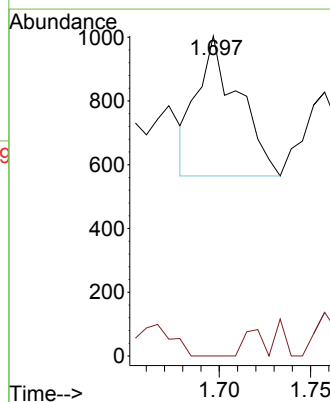
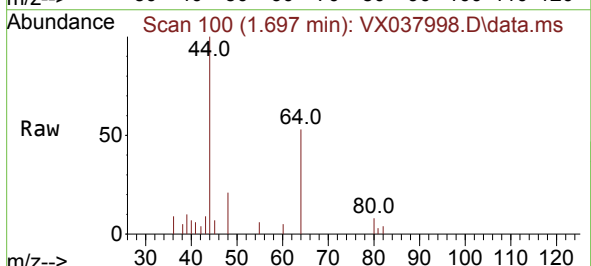


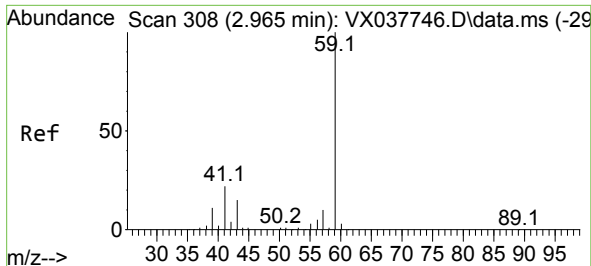
Tgt Ion:168 Resp: 218234
Ion Ratio Lower Upper
168 100
99 53.7 56.6 85.0#



#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.457 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

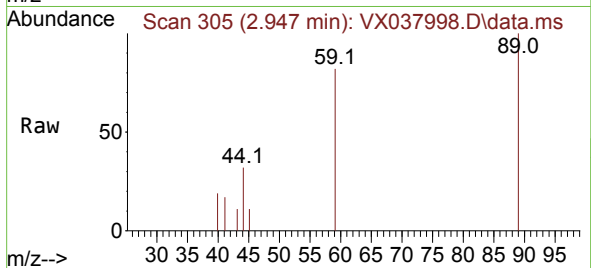
Lab File: VX037998.D

Acq: 30 Sep 2023 12:58

Instrument :

MSVOA_X

ClientSampleId :

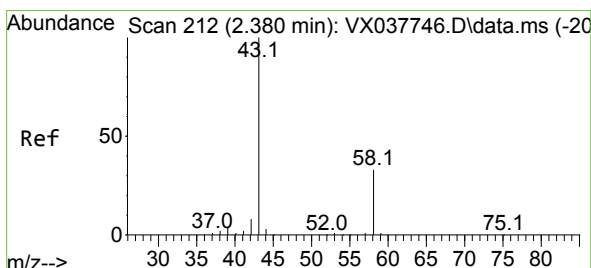
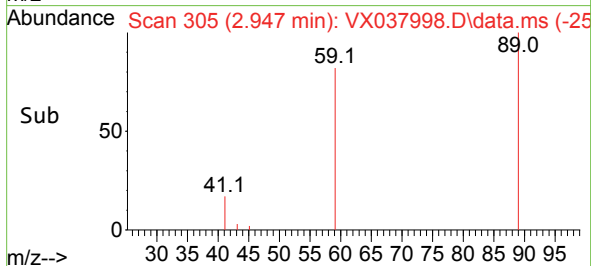
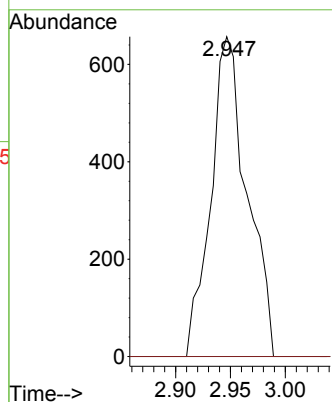


Tgt Ion: 59 Resp: 1512

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 16.771 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037998.D

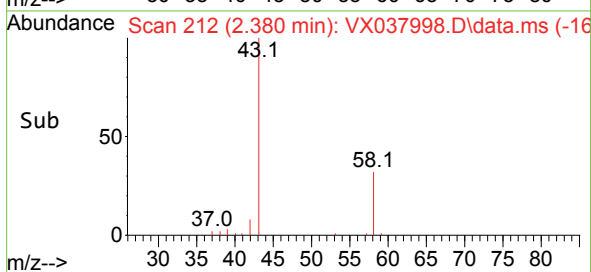
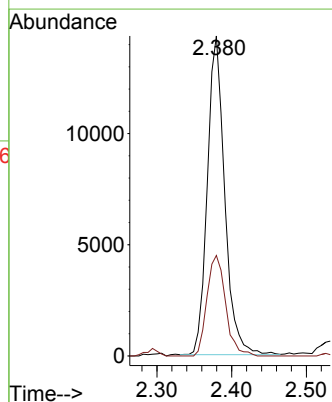
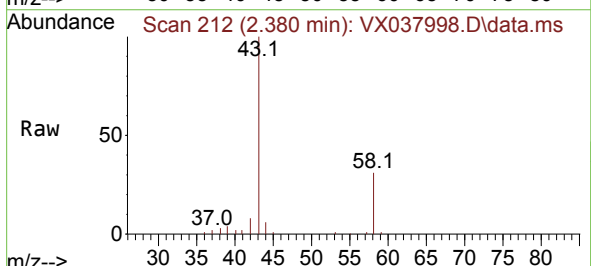
Acq: 30 Sep 2023 12:58

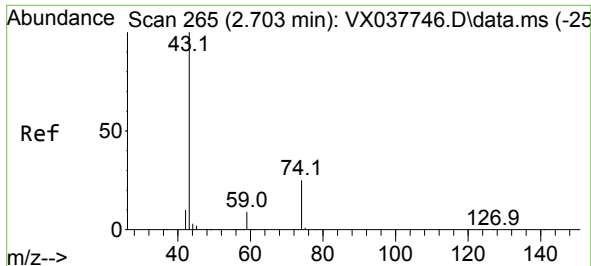
Tgt Ion: 43 Resp: 23133

Ion Ratio Lower Upper

43 100

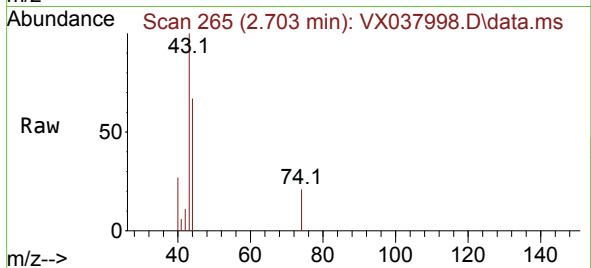
58 31.5 21.9 32.9



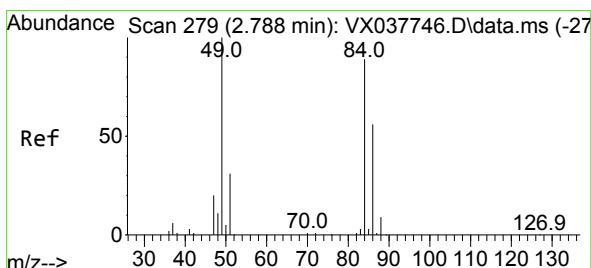
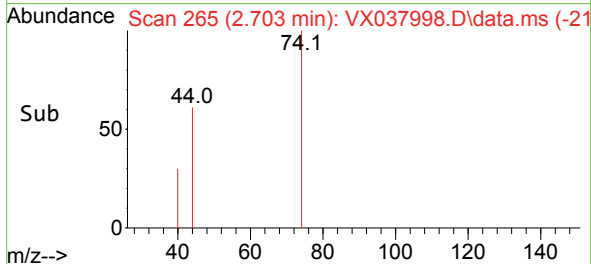
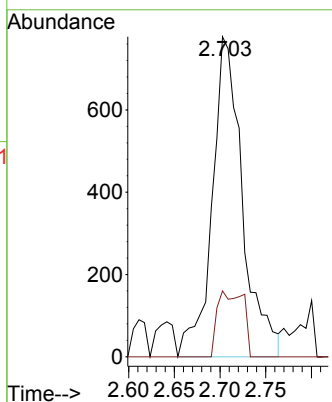


#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Instrument :
MSVOA_X
ClientSampleId :

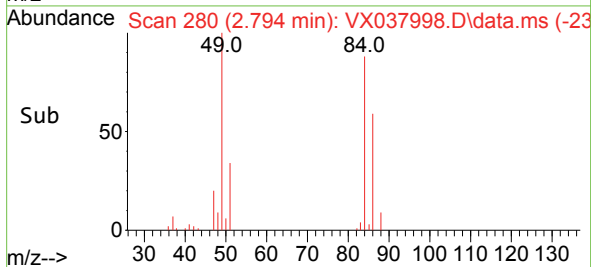
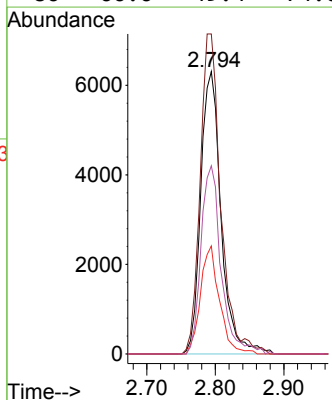
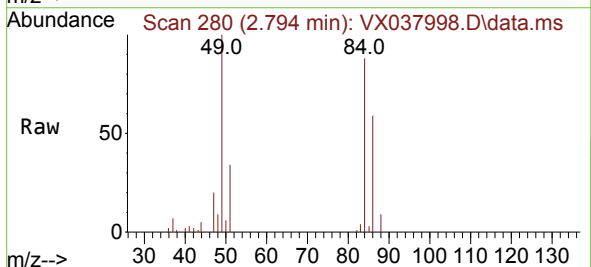


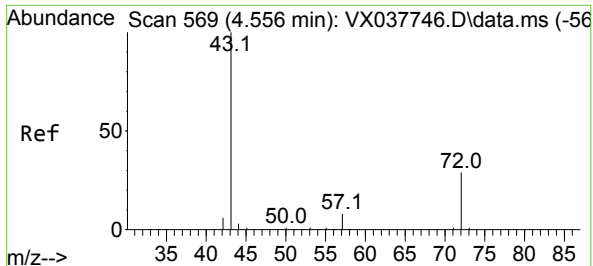
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
74 17.5 17.8 26.8#



#20
Methylene Chloride
Concen: 5.103 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Tgt Ion: 84 Resp: 13070
Ion Ratio Lower Upper
84 100
49 113.3 103.6 155.4
51 38.3 33.8 50.6
86 66.6 49.4 74.0





#25

2-Butanone

Concen: 3.342 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037998.D

Acq: 30 Sep 2023 12:58

Instrument :

MSVOA_X

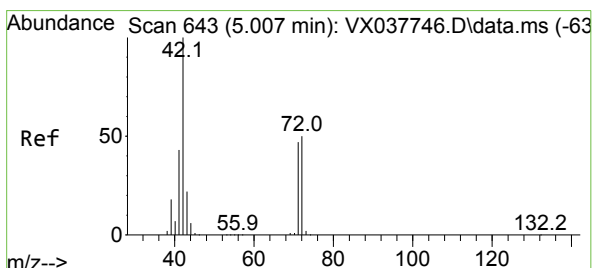
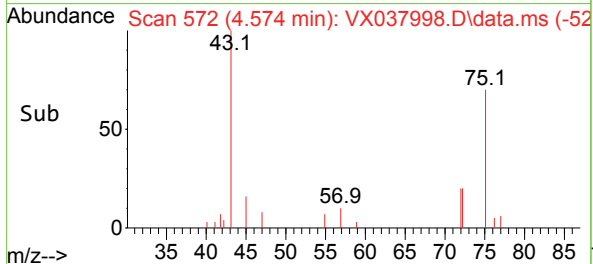
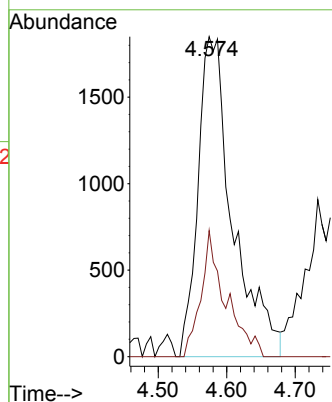
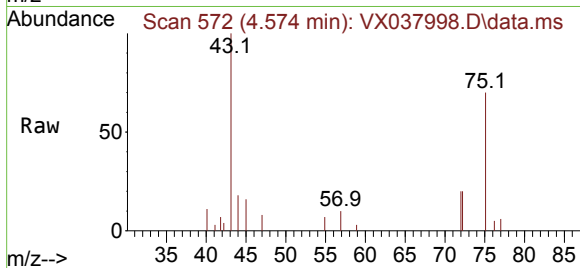
ClientSampleId :

Tgt Ion: 43 Resp: 6506

Ion Ratio Lower Upper

43 100

72 39.4 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.677 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.030 min

Lab File: VX037998.D

Acq: 30 Sep 2023 12:58

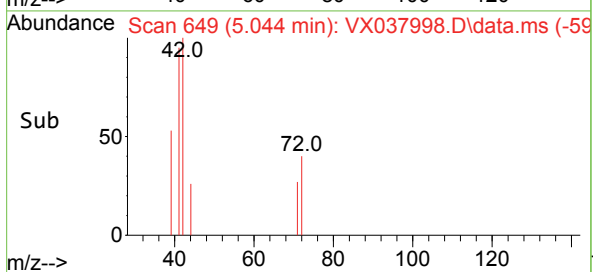
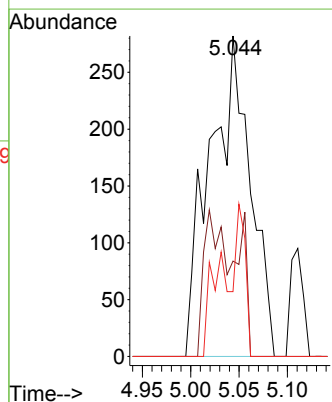
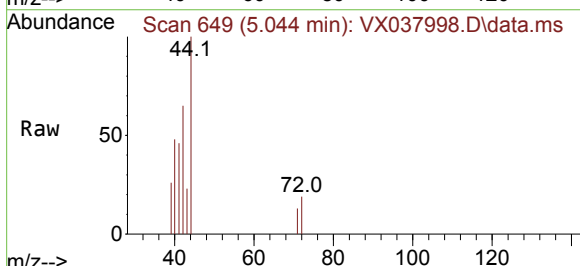
Tgt Ion: 42 Resp: 820

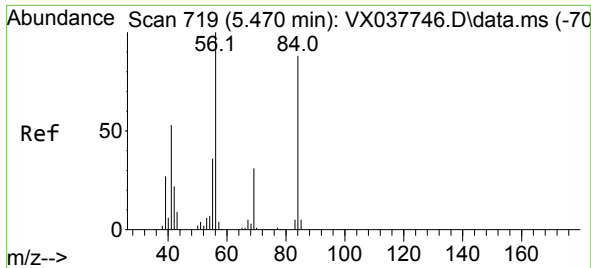
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

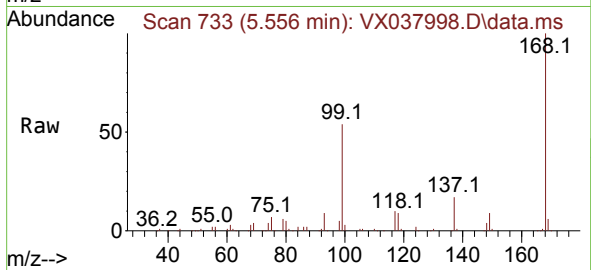
71 10.6 32.2 48.2#



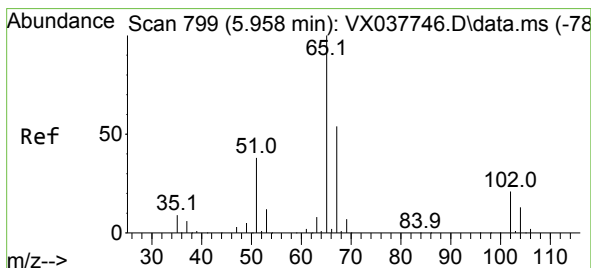
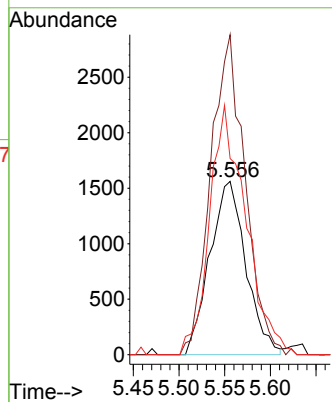
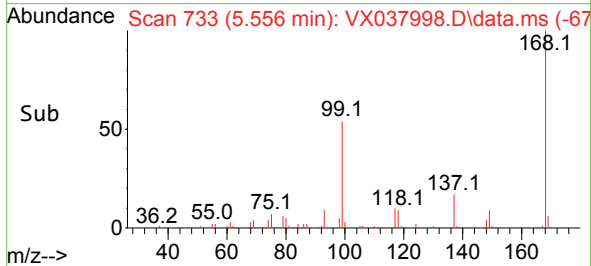


#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Instrument :
MSVOA_X
ClientSampleId :

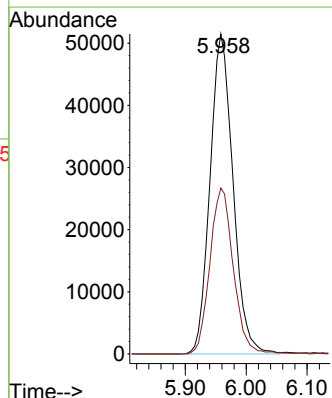
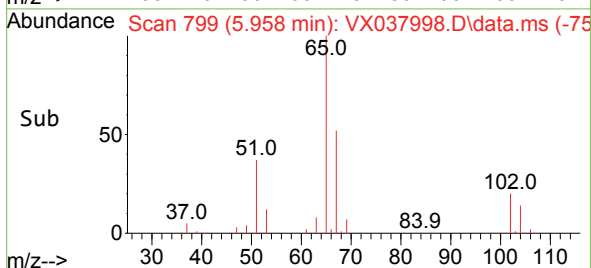
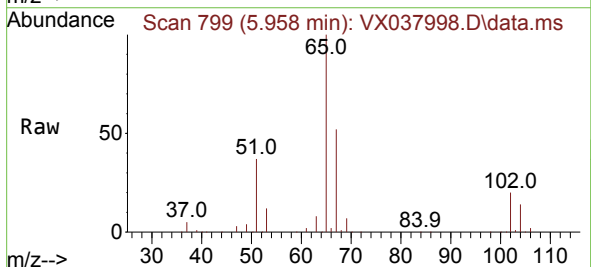


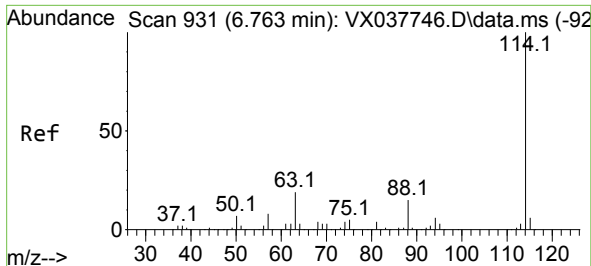
Tgt Ion: 56 Resp: 4284
Ion Ratio Lower Upper
56 100
69 184.7 23.4 35.2#
84 113.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.017 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Tgt Ion: 65 Resp: 134809
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

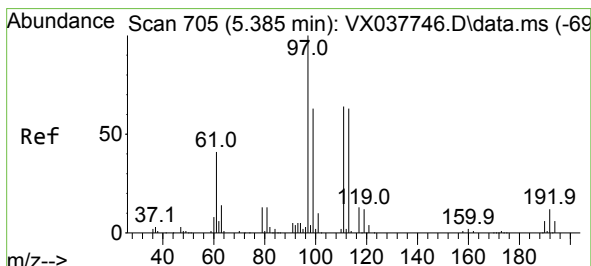
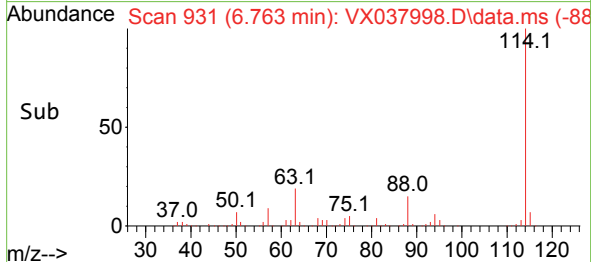
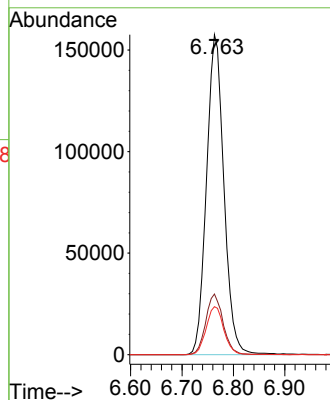
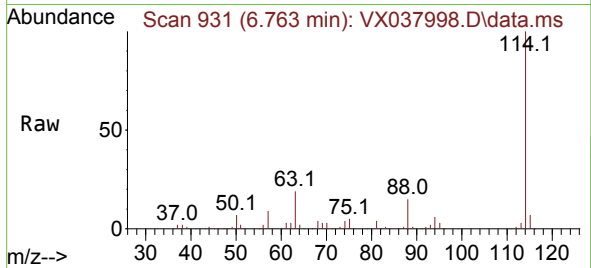




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

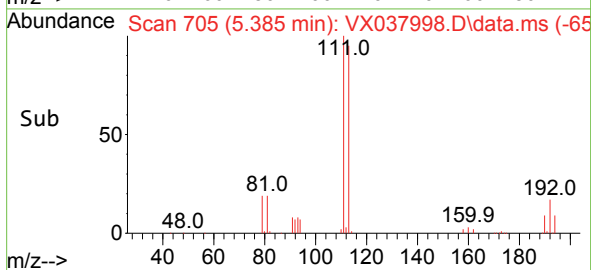
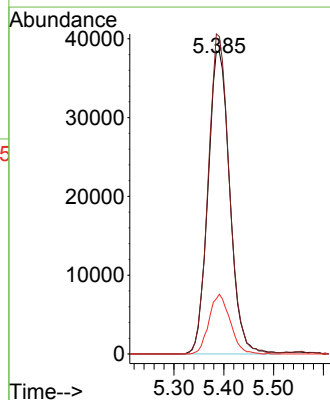
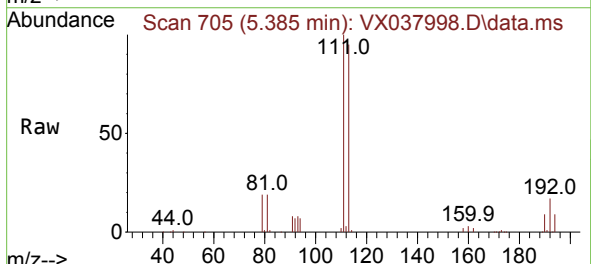
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MSVOA_X
ClientSampleId :

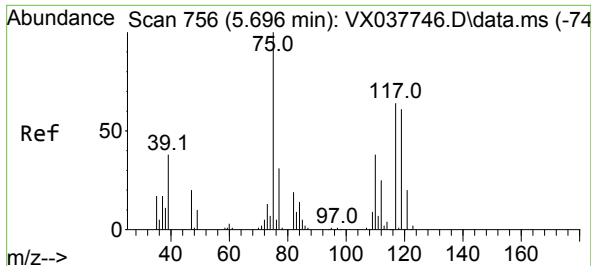
Tgt Ion:114 Resp: 370424
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.113 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

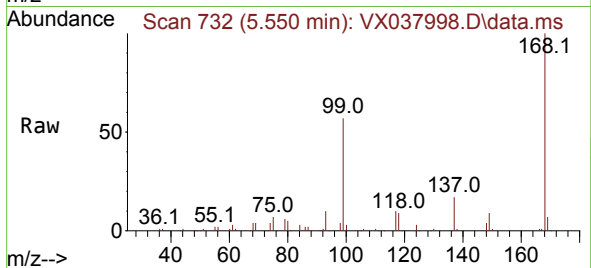
Tgt Ion:113 Resp: 116770
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.0 13.3 19.9



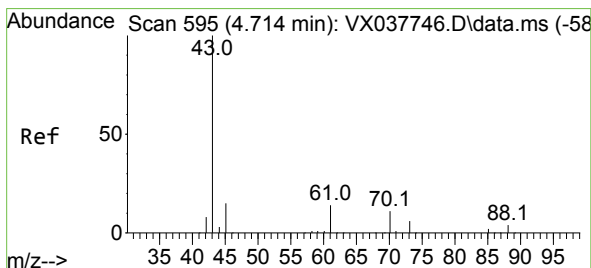
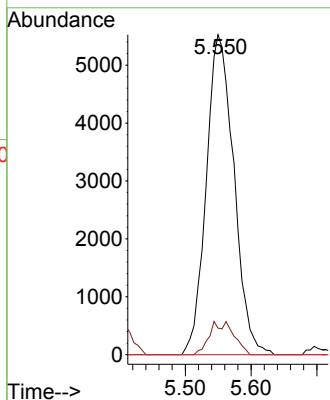
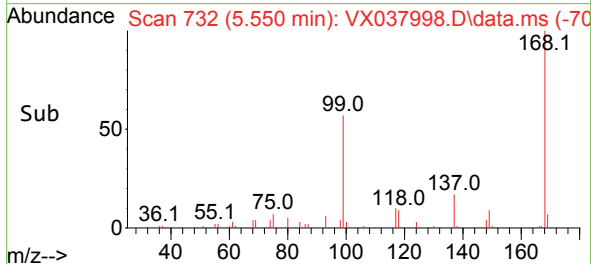


#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

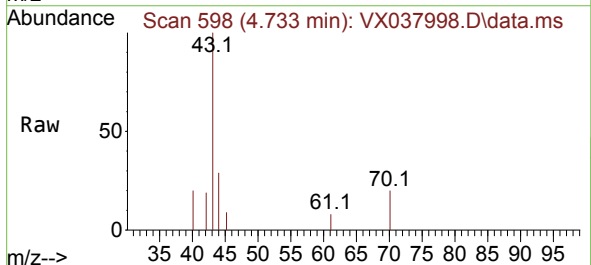
Instrument :
MSVOA_X
ClientSampleId :



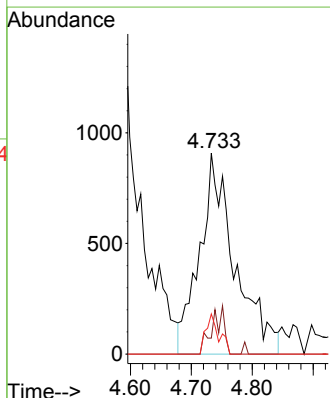
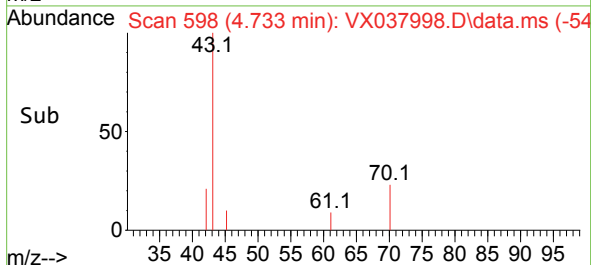
Tgt Ion: 75 Resp: 16163
Ion Ratio Lower Upper
75 100
110 5.0 17.0 50.9#
77 0.0 24.7 37.1#

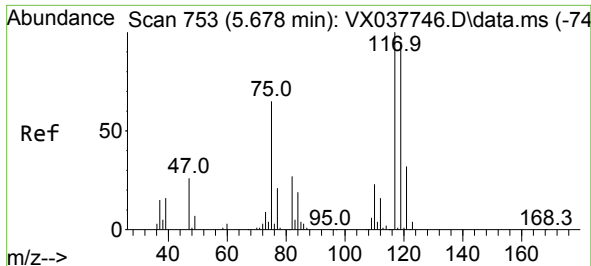


#37
Ethyl Acetate
Concen: 0.971 ug/l
RT: 4.733 min Scan# 598
Delta R.T. -0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58



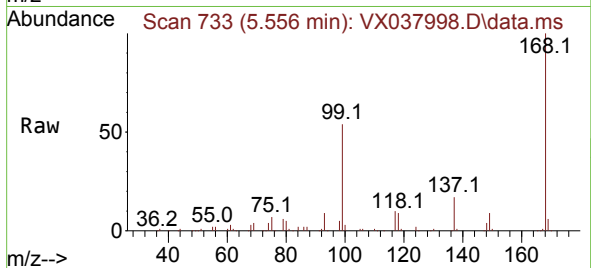
Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
61 8.3 10.6 16.0#
70 7.5 8.3 12.5#



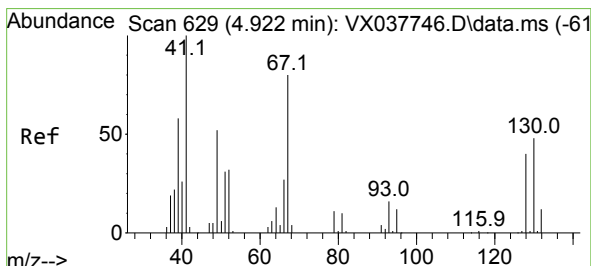
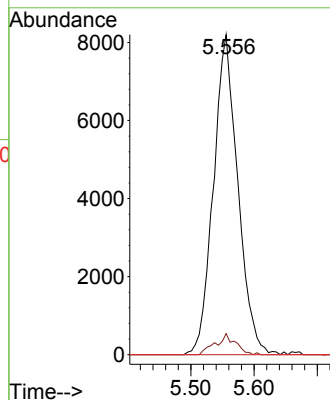
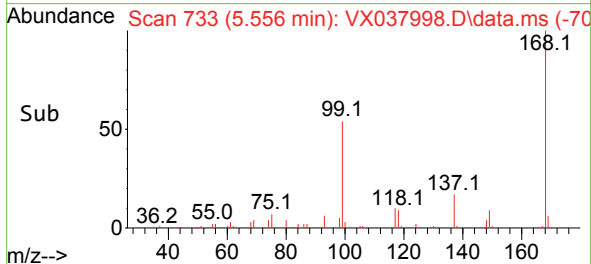


#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Instrument :
MSVOA_X
ClientSampleId :

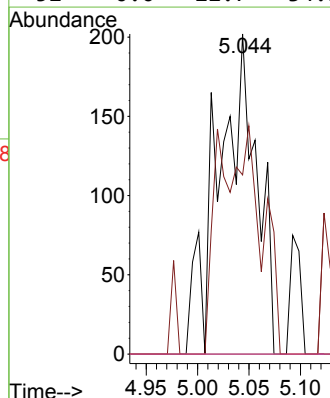
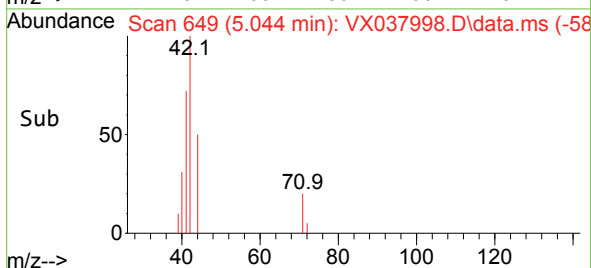
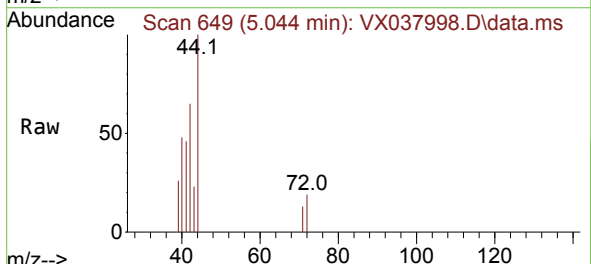


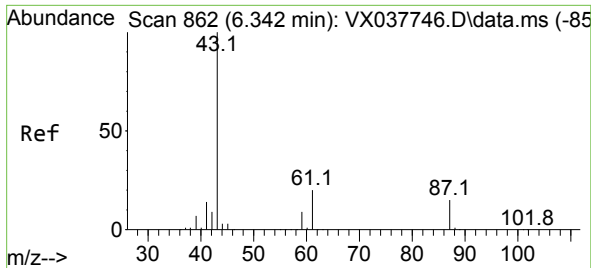
Tgt Ion:117 Resp: 21950
Ion Ratio Lower Upper
117 100
119 6.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.275 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.097 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

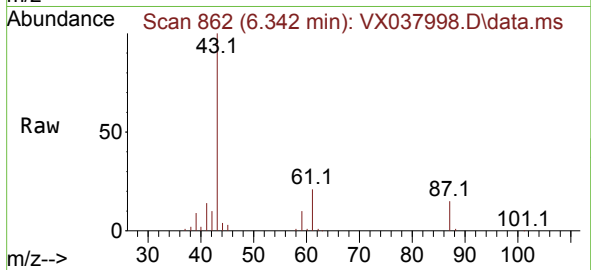
Tgt Ion: 41 Resp: 526
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



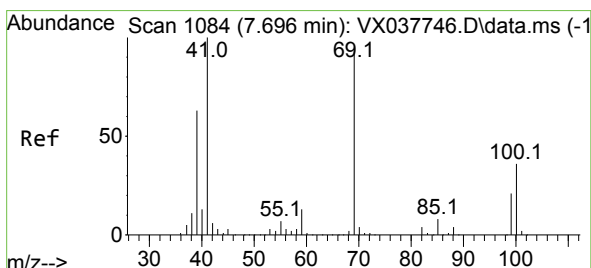
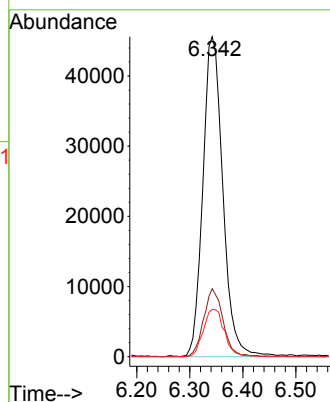
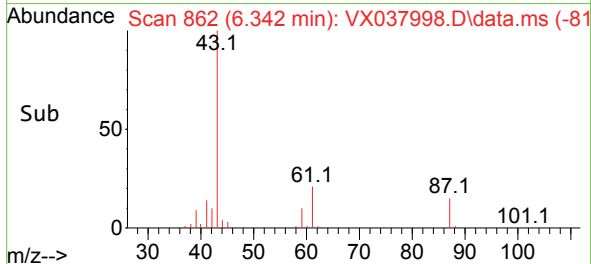


#43
Isopropyl Acetate
Concen: 19.872 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Instrument :
MSVOA_X
ClientSampleId :

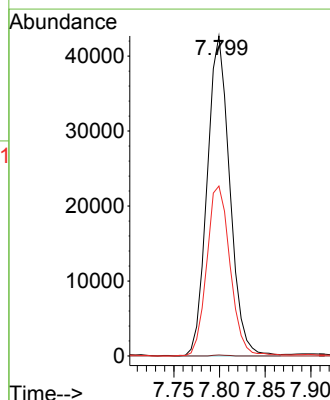
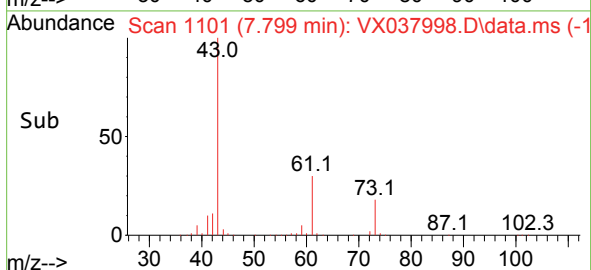
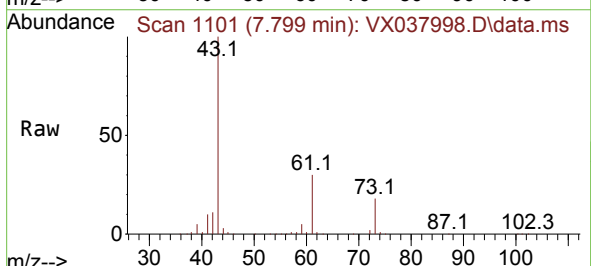


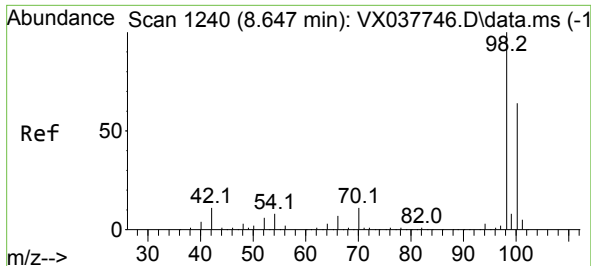
Tgt Ion: 43 Resp: 119269
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 15.5 9.8 14.6#



#48
Methyl methacrylate
Concen: 25.594 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Tgt Ion: 41 Resp: 73434
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.2 47.7 71.5

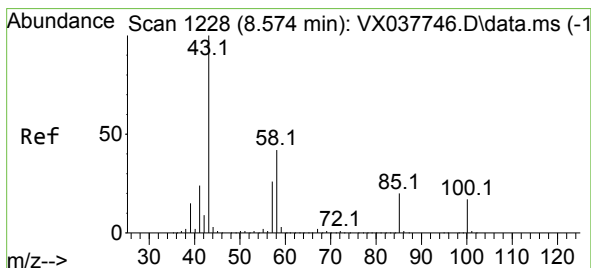
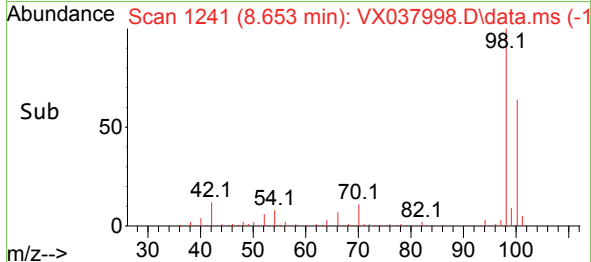
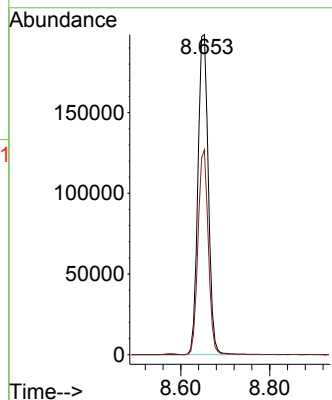
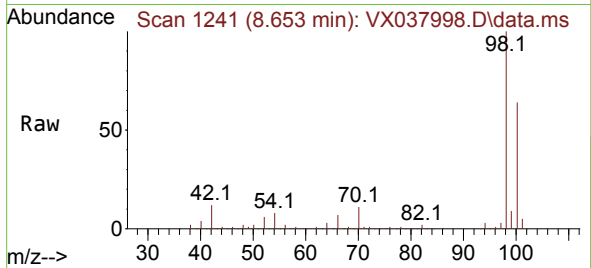




#50
Toluene-d8
Concen: 34.959 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

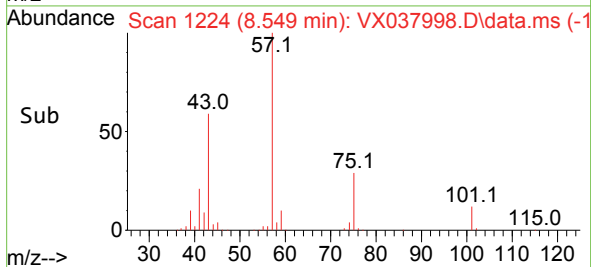
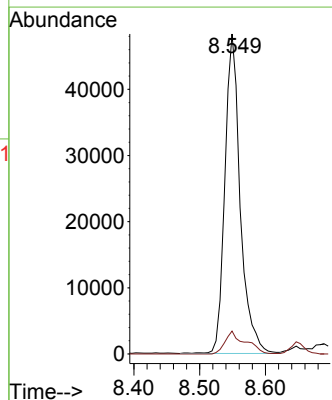
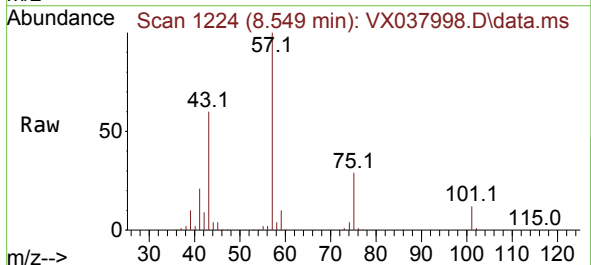
Instrument :
MSVOA_X
ClientSampleId :

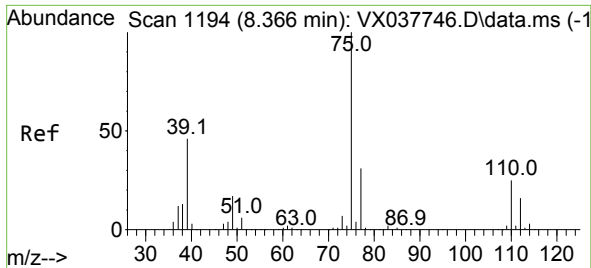
Tgt Ion: 98 Resp: 321948
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 20.638 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

Tgt Ion: 43 Resp: 78589
Ion Ratio Lower Upper
43 100
58 9.5 30.4 45.6#

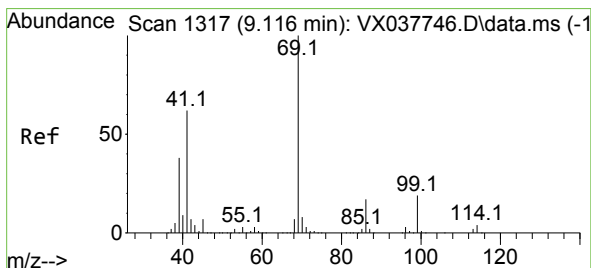
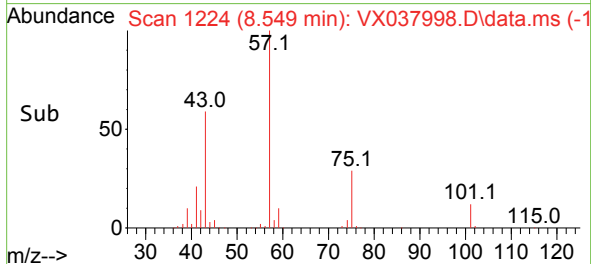
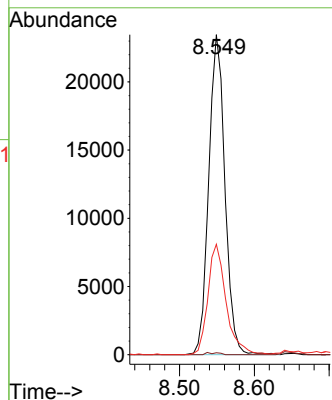
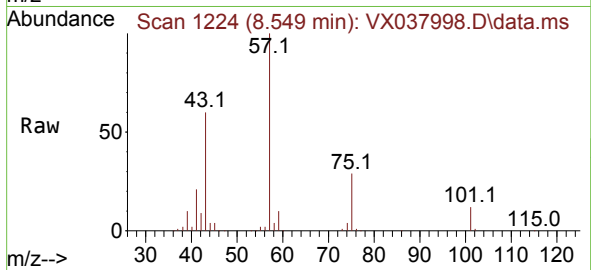




#54
 cis-1,3-Dichloropropene
 Concen: 8.440 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX037998.D
 Acq: 30 Sep 2023 12:58

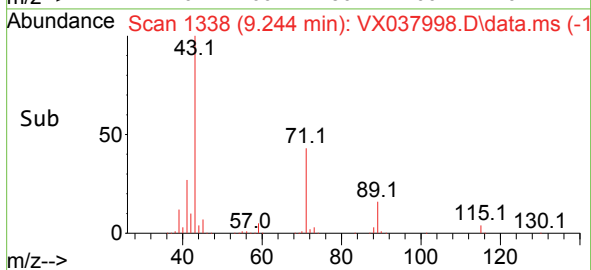
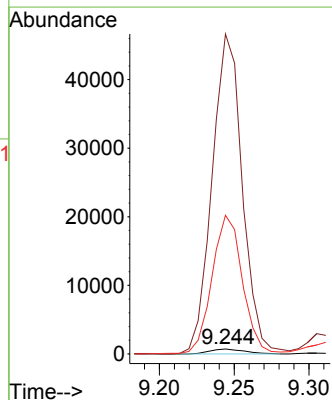
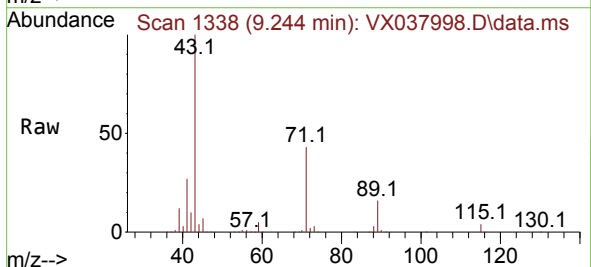
Instrument :
 MSVOA_X
 ClientSampleId :

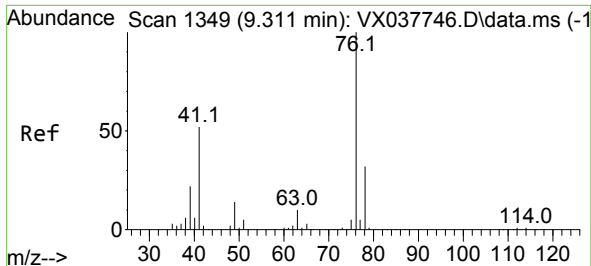
Tgt Ion: 75 Resp: 35279
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 34.5 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.276 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX037998.D
 Acq: 30 Sep 2023 12:58

Tgt Ion: 69 Resp: 1174
 Ion Ratio Lower Upper
 69 100
 41 5598.8 56.8 85.2#
 39 2438.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 0.856 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.183 min

Lab File: VX037998.D

Acq: 30 Sep 2023 12:58

Instrument :

MSVOA_X

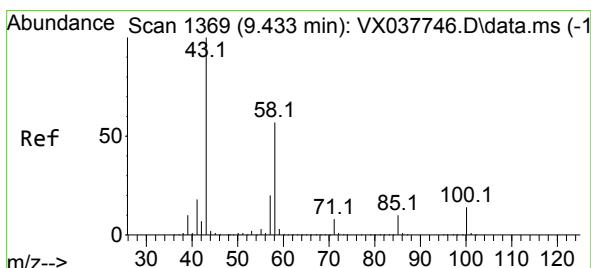
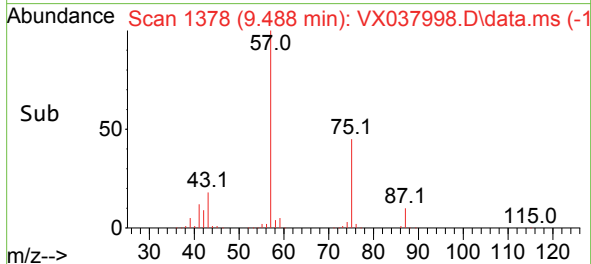
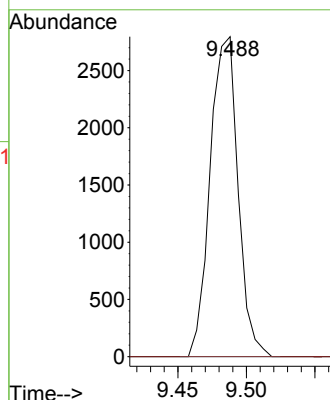
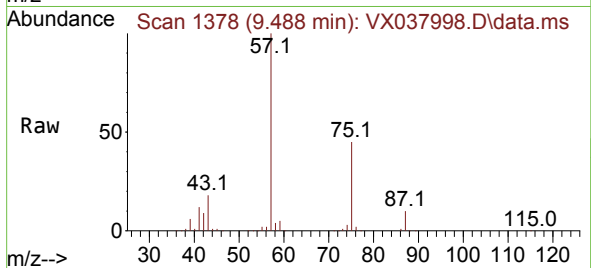
ClientSampleId :

Tgt Ion: 76 Resp: 3951

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 15.739 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX037998.D

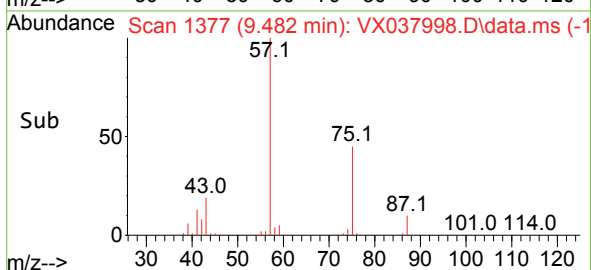
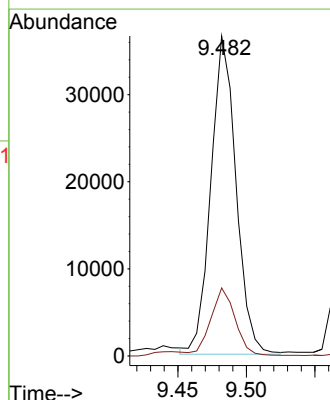
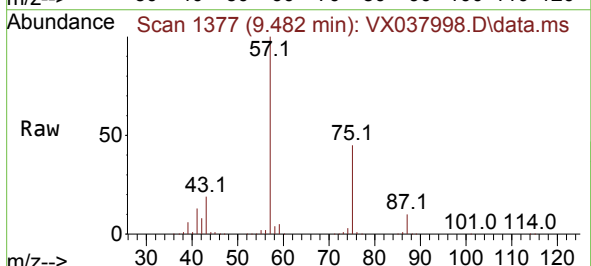
Acq: 30 Sep 2023 12:58

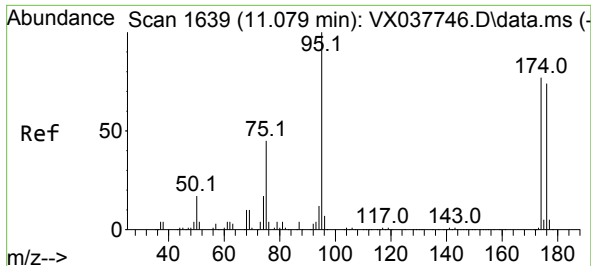
Tgt Ion: 43 Resp: 46665

Ion Ratio Lower Upper

43 100

58 21.0 26.2 78.5#

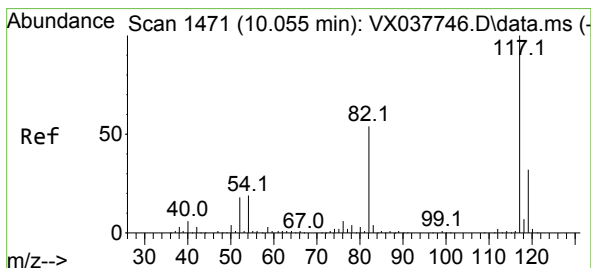
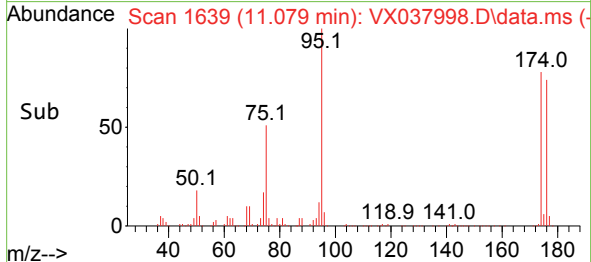
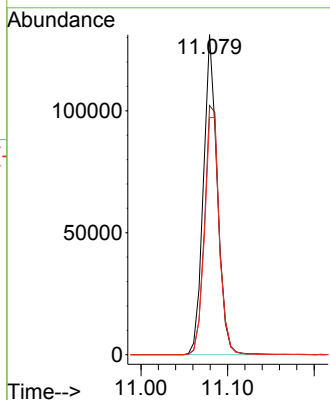
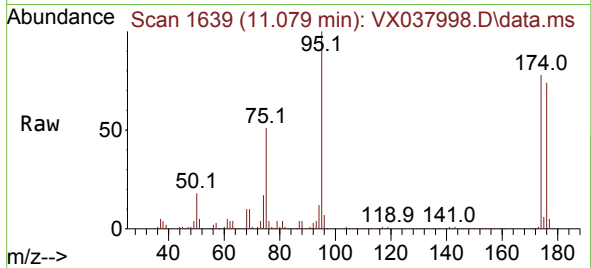




#62
4-Bromofluorobenzene
Concen: 43.506 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

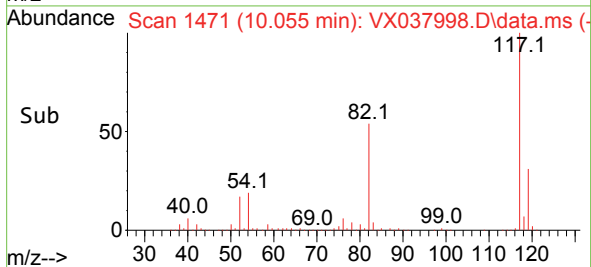
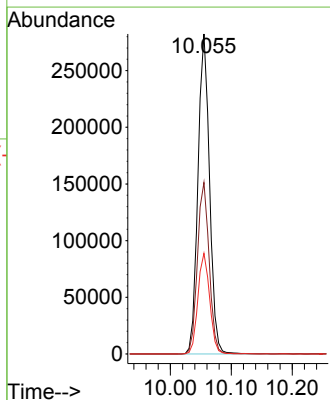
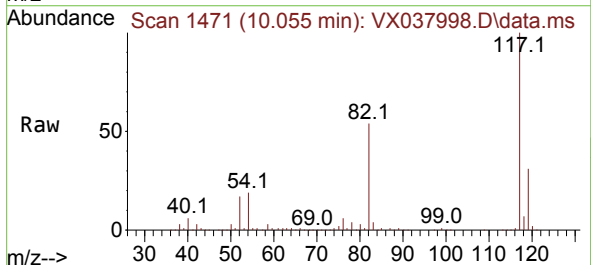
Instrument :
MSVOA_X
ClientSampleId :

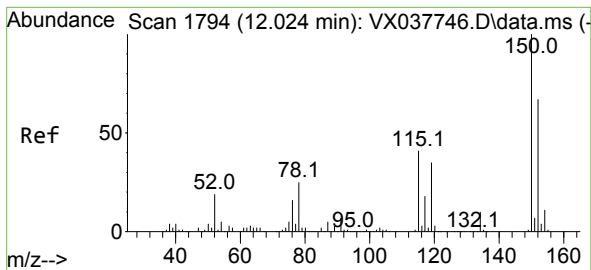
Tgt Ion: 95 Resp: 145592
Ion Ratio Lower Upper
95 100
174 83.4 0.0 135.6
176 79.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037998.D
Acq: 30 Sep 2023 12:58

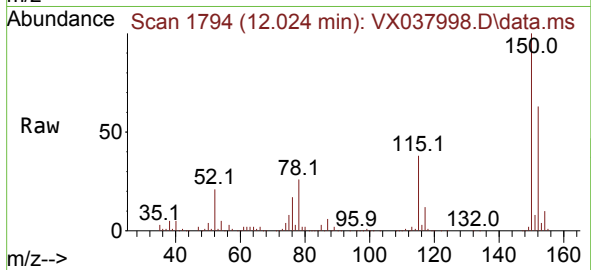
Tgt Ion: 117 Resp: 372016
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.4
119 31.5 25.5 38.3



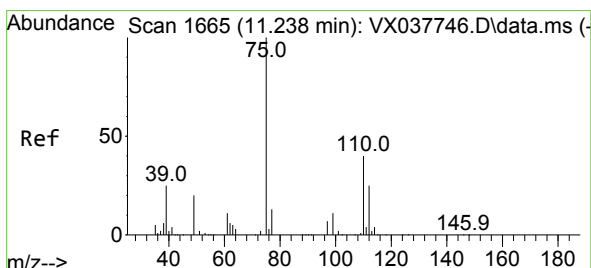
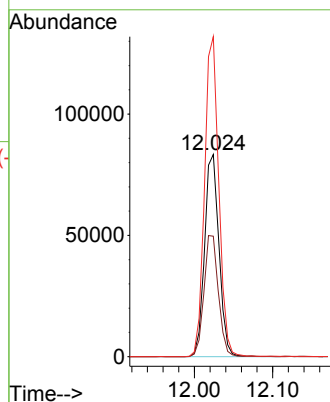
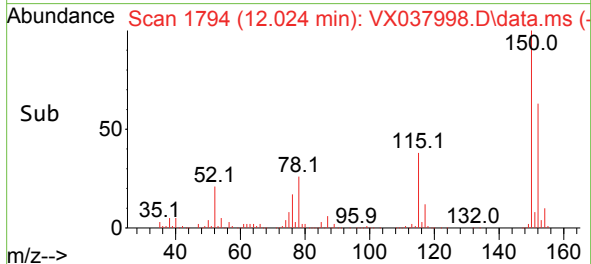


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037998.D
 Acq: 30 Sep 2023 12:58

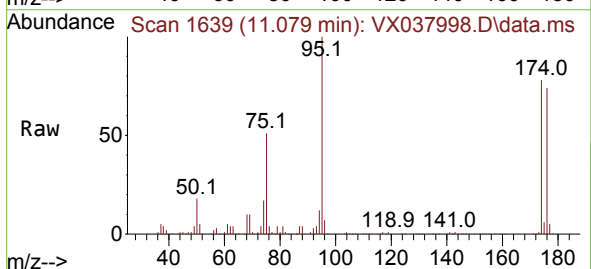
Instrument :
 MSVOA_X
 ClientSampleId :



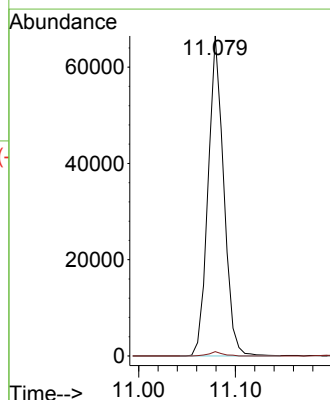
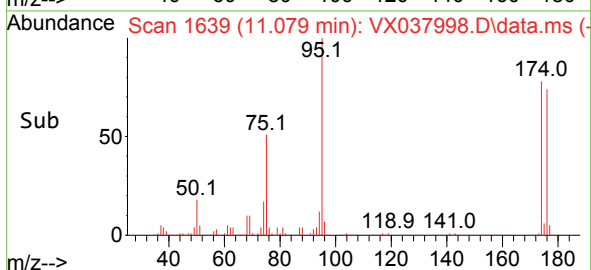
Tgt Ion:152 Resp: 106291
 Ion Ratio Lower Upper
 152 100
 115 60.2 43.3 129.9
 150 156.0 0.0 345.0

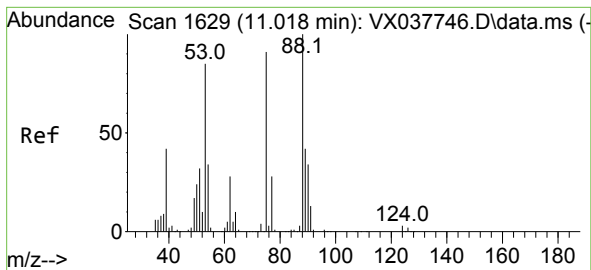


#76
 1,2,3-Trichloropropane
 Concen: 30.456 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037998.D
 Acq: 30 Sep 2023 12:58



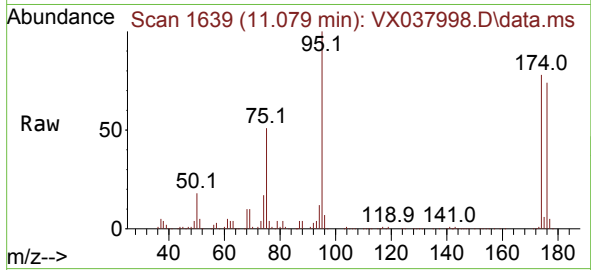
Tgt Ion: 75 Resp: 74872
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.560 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037998.D
 Acq: 30 Sep 2023 12:58

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 74872
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

