

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037670.D
 Acq On : 12 Sep 2023 15:48
 Operator : JC/MD
 Sample : 04373-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:46:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

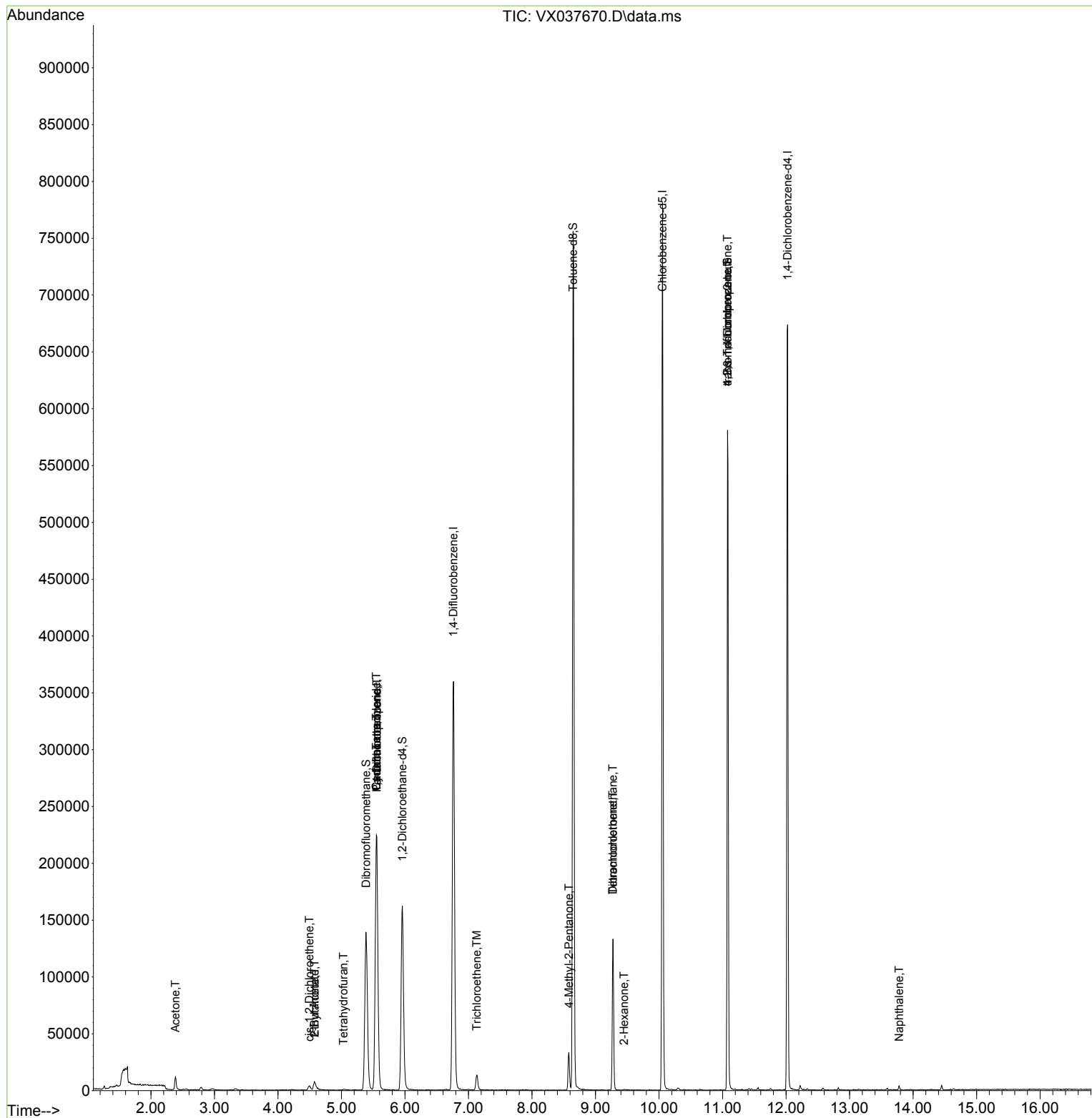
Internal Standards						
1) Pentafluorobenzene	5.556	168	210138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	344335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155902	45.855	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.720%
35) Dibromofluoromethane	5.385	113	121255	46.184	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.360%
50) Toluene-d8	8.647	98	460107	46.467	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.940%
62) 4-Bromofluorobenzene	11.079	95	152949	42.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	1474	Below Cal	#	83
16) Acetone	2.386	43	12336	8.975	ug/l	90
20) Methylene Chloride	2.788	84	1307	Below Cal	#	81
25) 2-Butanone	4.574	43	14201	6.336	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	2294	0.756	ug/l	91
29) Tetrahydrofuran	5.032	42	471	0.330	ug/l	# 71
31) Cyclohexane	5.550	56	4990	1.275	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	17477	4.893	ug/l	# 50
37) Ethyl Acetate	4.574	43	14201	3.475	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	22238	6.095	ug/l	# 16
44) Trichloroethene	7.129	130	5346	1.976	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	19956	4.661	ug/l	98
59) 2-Hexanone	9.451	43	921	0.279	ug/l	87
60) Dibromochloromethane	9.275	129	24045	8.351	ug/l	# 11
64) Tetrachloroethene	9.275	164	24078	10.793	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	82599	27.118	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	82599	82.431	ug/l	# 5
95) Naphthalene	13.780	128	2540	0.249	ug/l	# 96

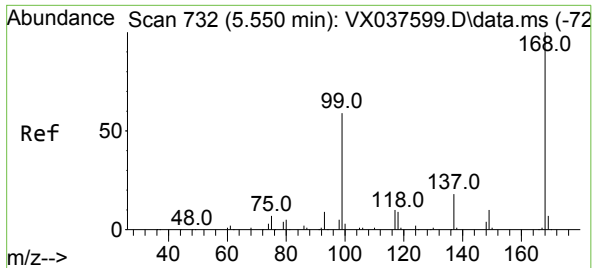
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

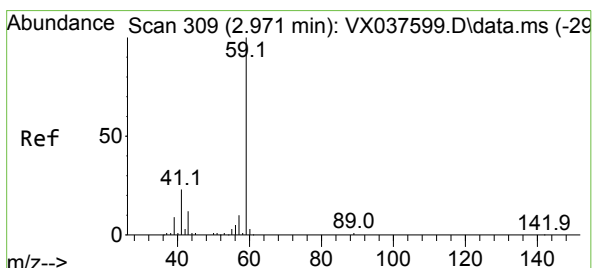
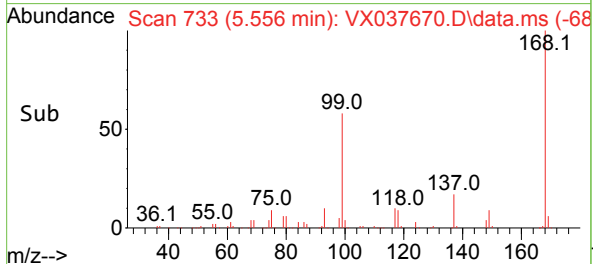
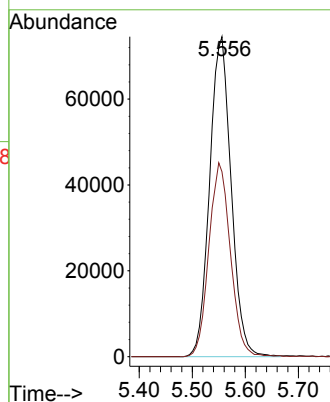
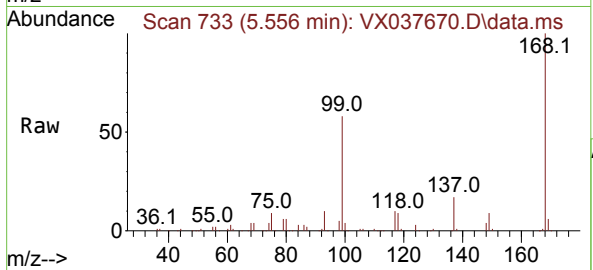




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

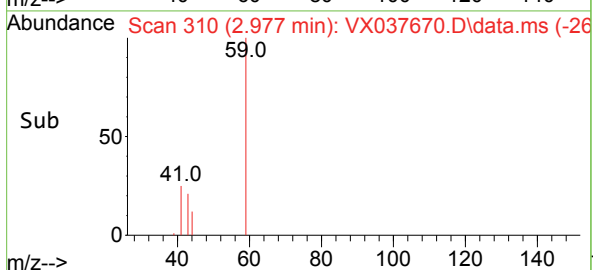
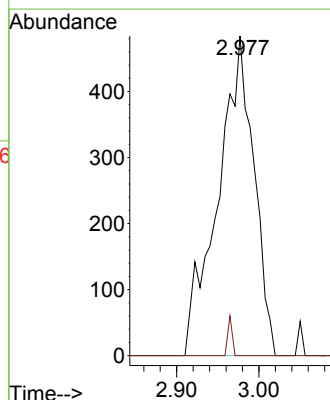
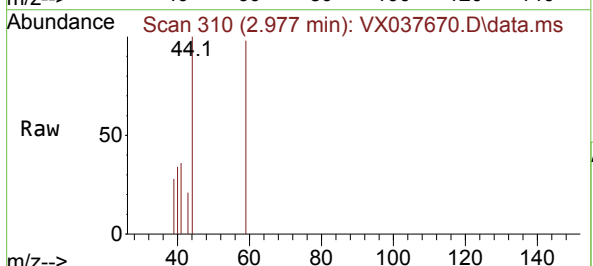
Instrument :
MSVOA_X
ClientSampleId :

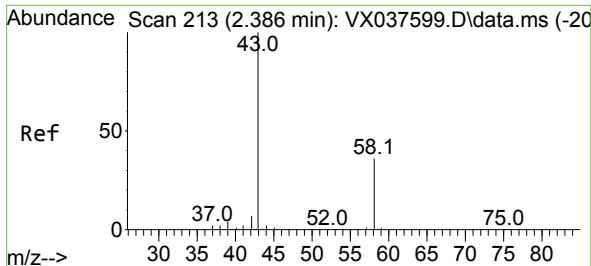
Tgt Ion:168 Resp: 210138
Ion Ratio Lower Upper
168 100
99 57.8 56.6 85.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion: 59 Resp: 1474
Ion Ratio Lower Upper
59 100
57 1.5 6.0 9.0#





#16

Acetone

Concen: 8.975 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Instrument :

MSVOA_X

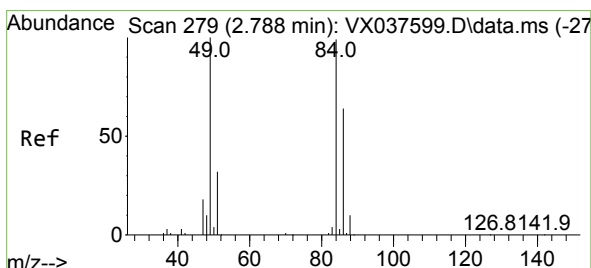
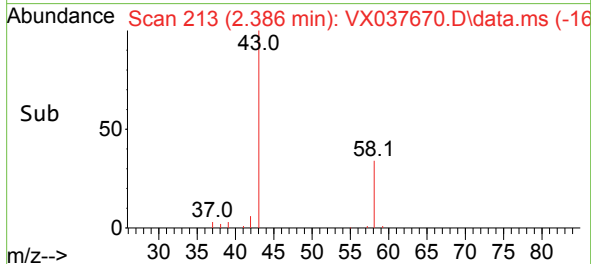
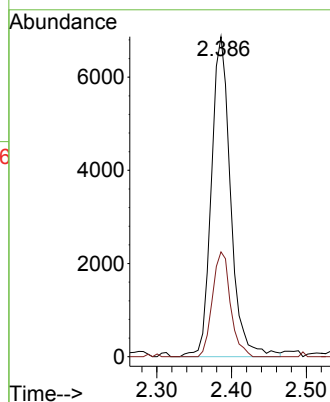
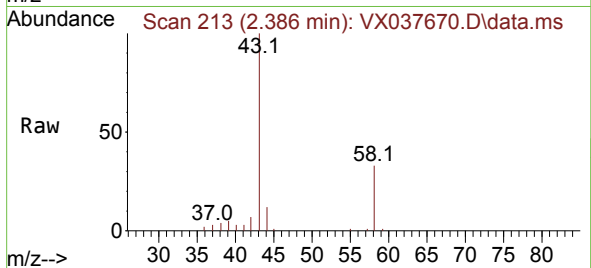
ClientSampleId :

Tgt Ion: 43 Resp: 12336

Ion Ratio Lower Upper

43 100

58 32.8 21.9 32.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Tgt Ion: 84 Resp: 1307

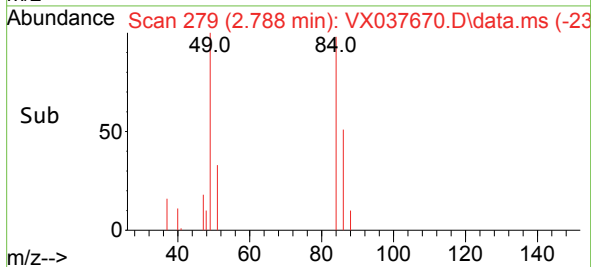
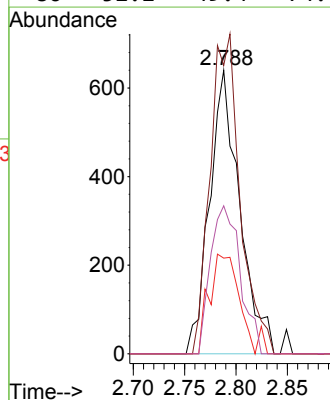
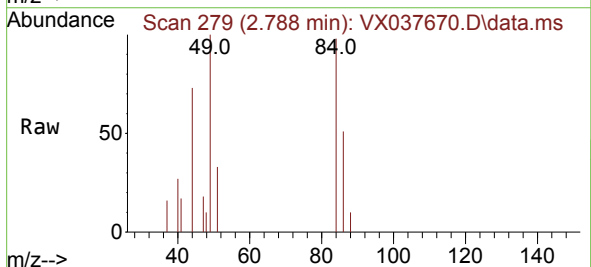
Ion Ratio Lower Upper

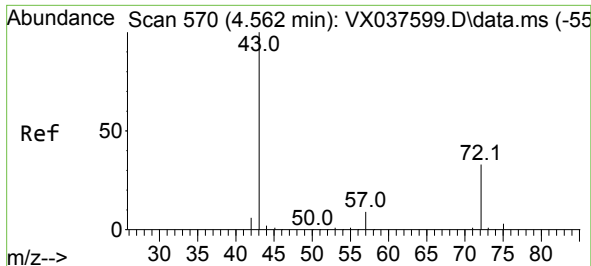
84 100

49 101.7 103.6 155.4#

51 33.8 33.8 50.6#

86 52.2 49.4 74.0

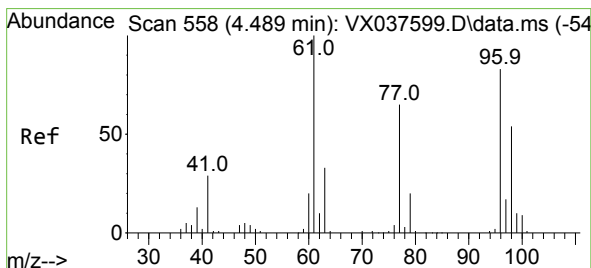
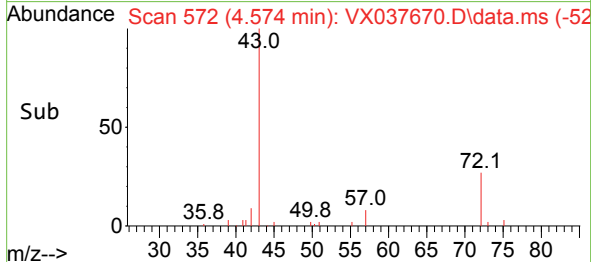
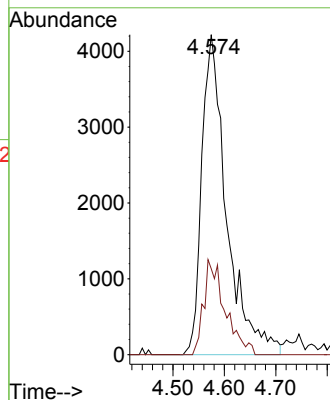
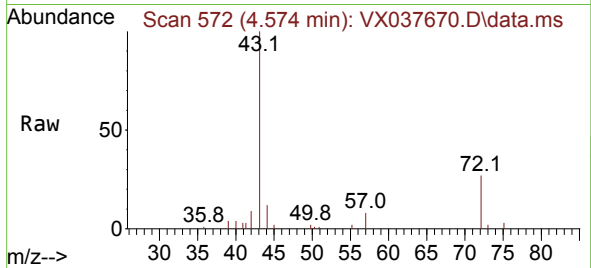




#25
2-Butanone
Concen: 6.336 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

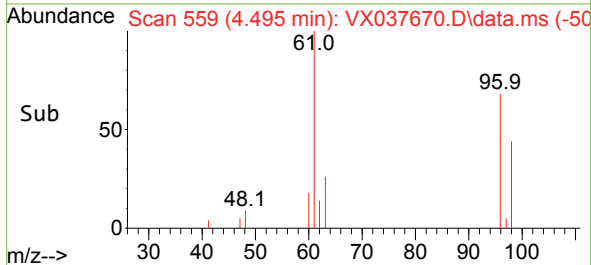
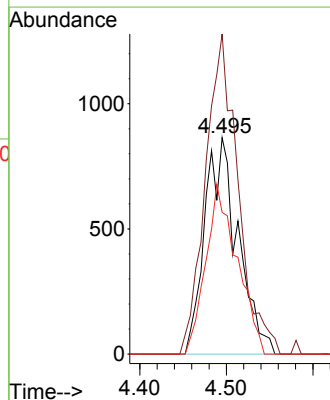
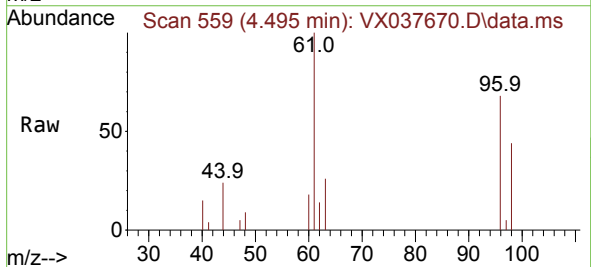
Instrument :
MSVOA_X
ClientSampleId :

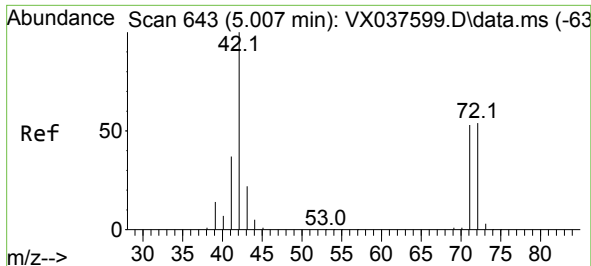
Tgt Ion: 43 Resp: 14201
Ion Ratio Lower Upper
43 100
72 26.9 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 0.756 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion: 96 Resp: 2294
Ion Ratio Lower Upper
96 100
61 145.4 0.0 312.2
98 74.2 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

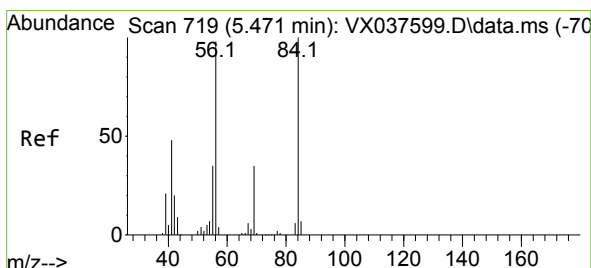
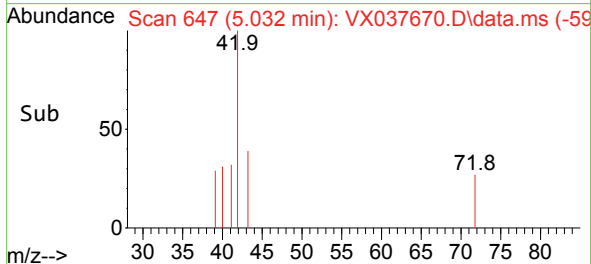
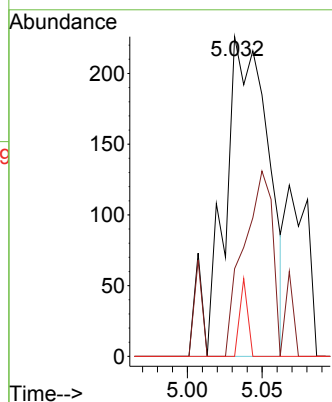
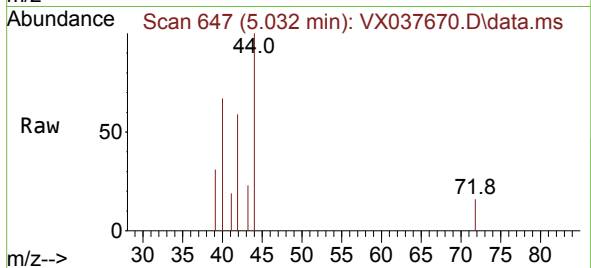
Tgt Ion: 42 Resp: 471

Ion Ratio Lower Upper

42 100

72 41.8 34.2 51.4

71 4.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

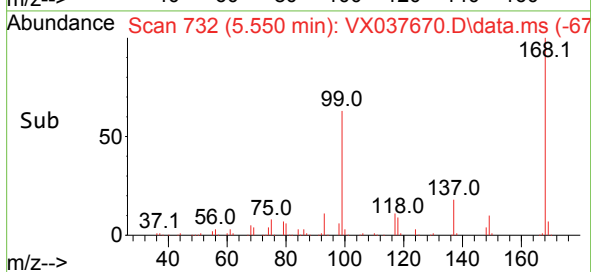
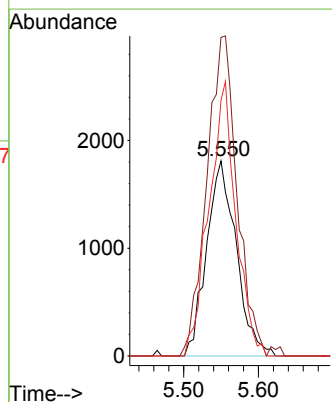
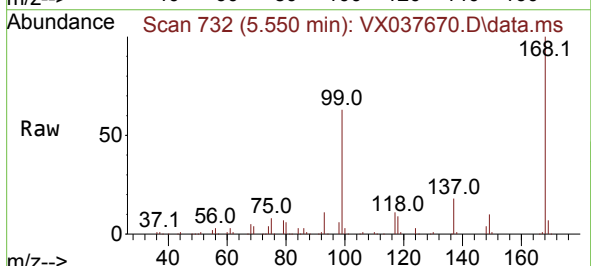
Tgt Ion: 56 Resp: 4990

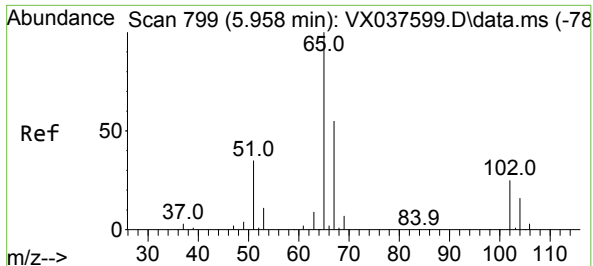
Ion Ratio Lower Upper

56 100

69 163.2 23.4 35.2#

84 131.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.855 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Instrument :

MSVOA_X

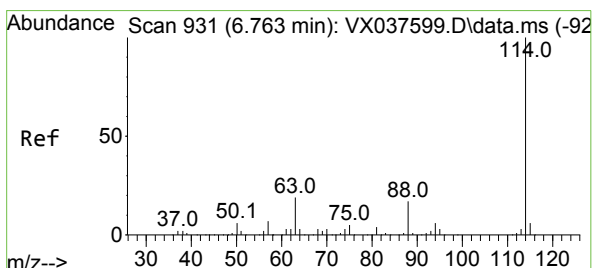
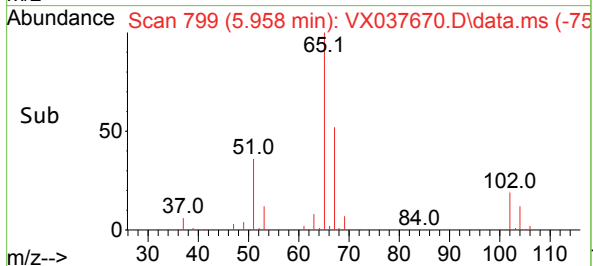
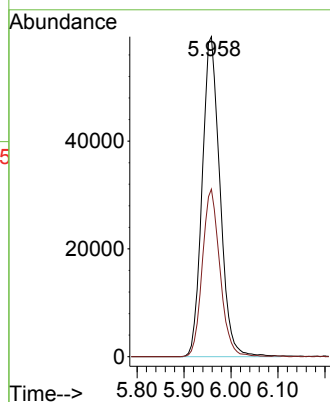
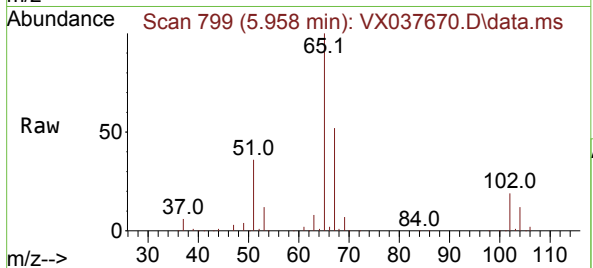
ClientSampleId :

Tgt Ion: 65 Resp: 155902

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

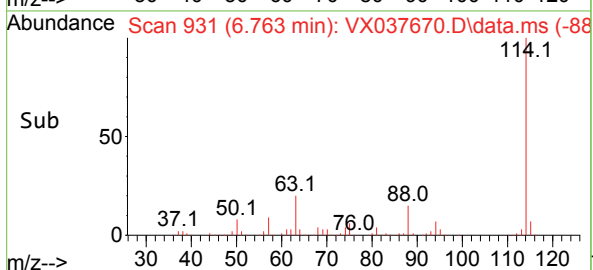
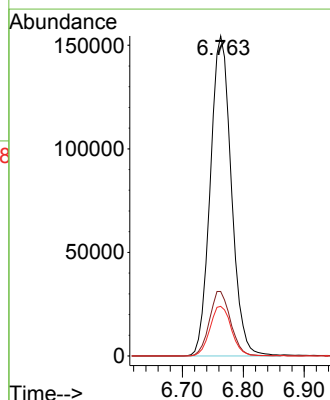
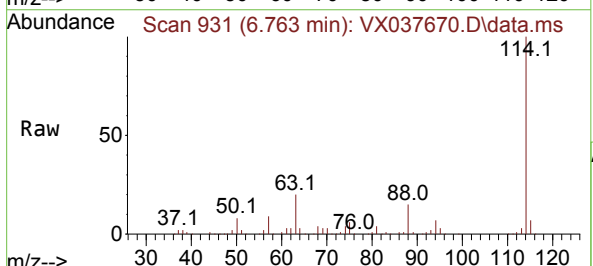
Tgt Ion:114 Resp: 370402

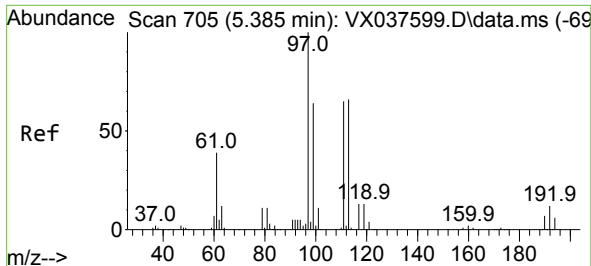
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

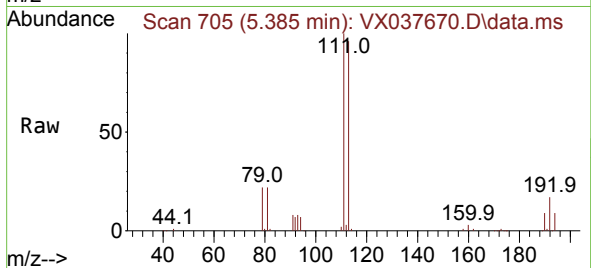
88 15.5 0.0 36.6



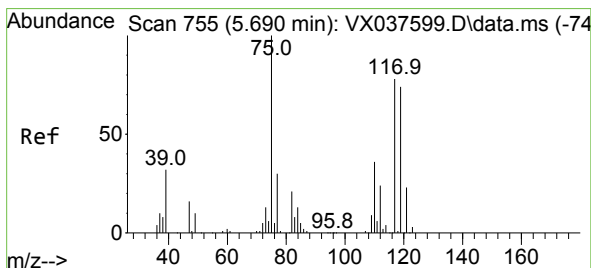
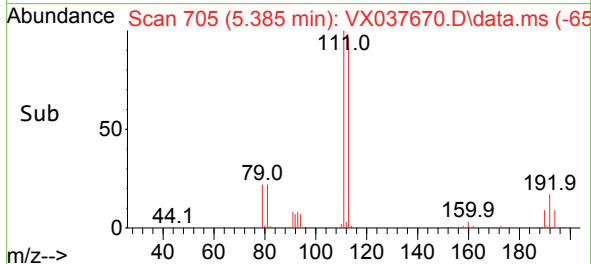
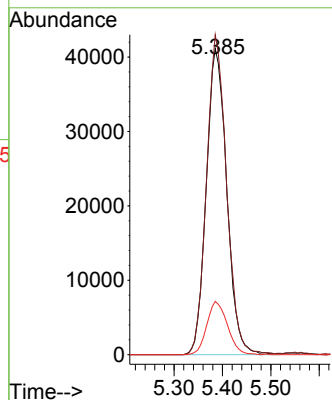


#35
Dibromofluoromethane
Concen: 46.184 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

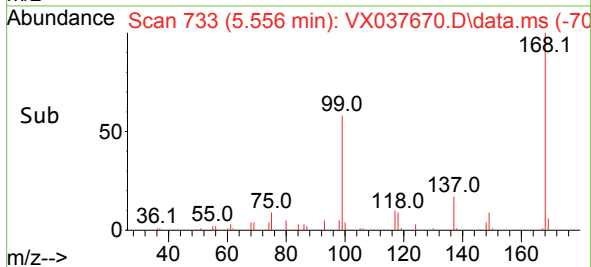
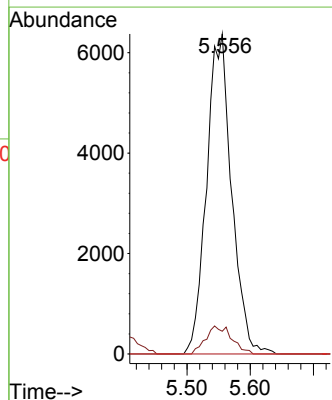
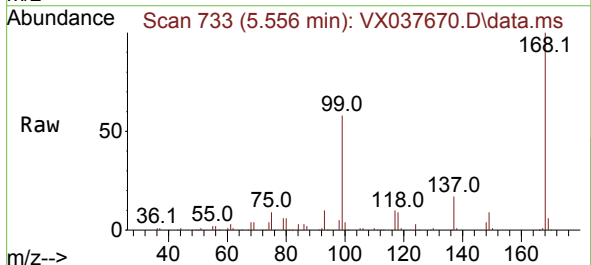


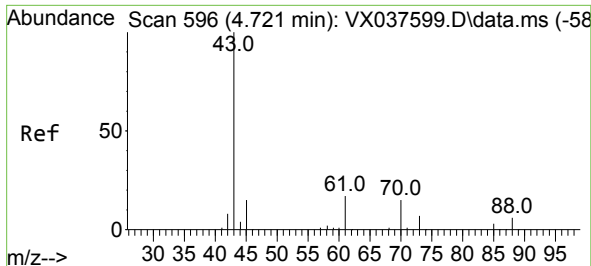
Tgt Ion:113 Resp: 121255
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion: 75 Resp: 17477
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.475 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.146 min

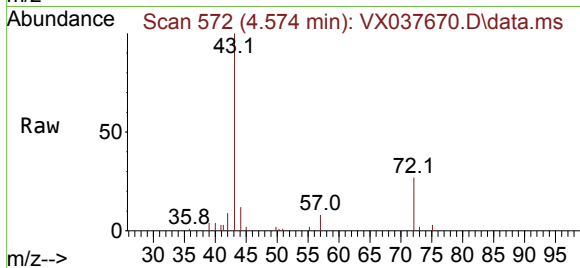
Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

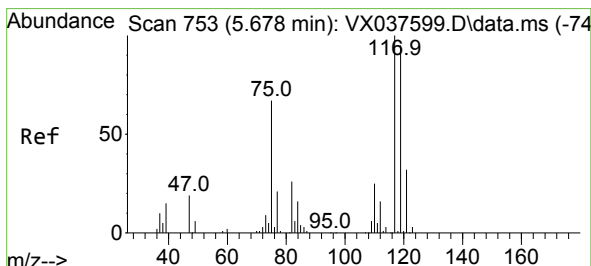
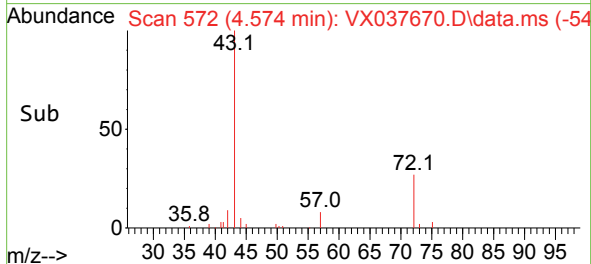
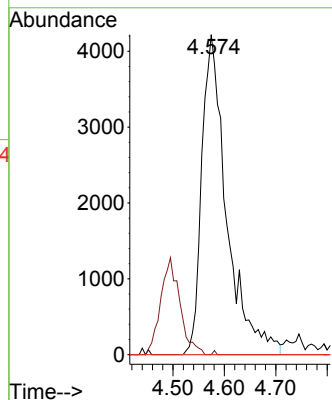
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 14201
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.095 ug/l

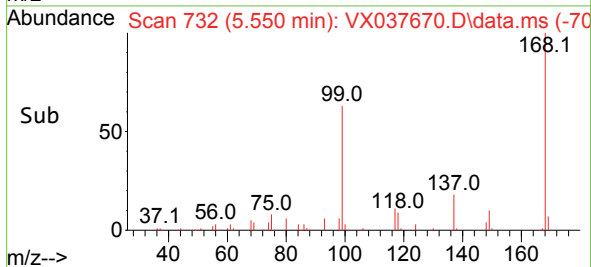
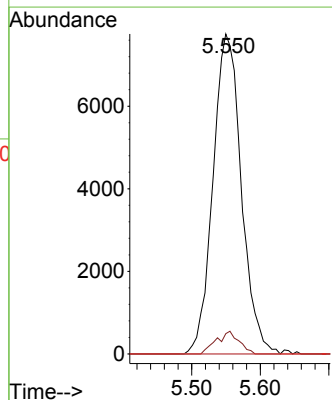
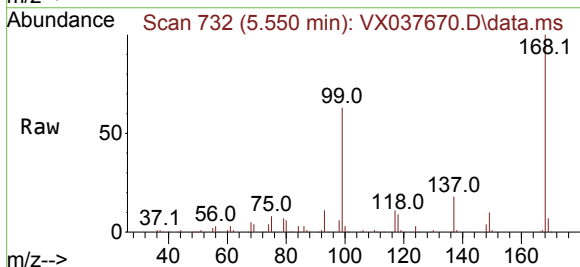
RT: 5.550 min Scan# 732

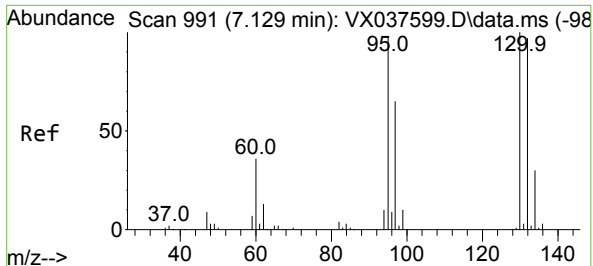
Delta R.T. -0.128 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Tgt Ion: 117	Resp: 22238
Ion Ratio	Lower Upper
117	100
119	6.3 78.2 117.2#
121	0.0 24.4 36.6#

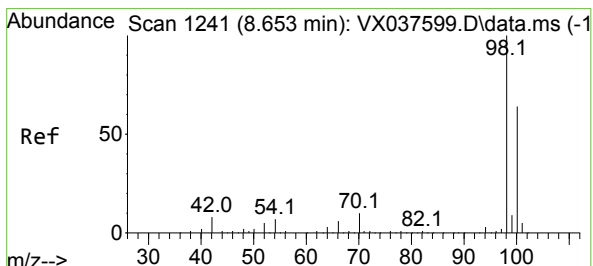
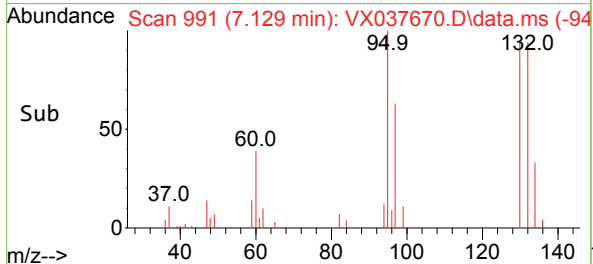
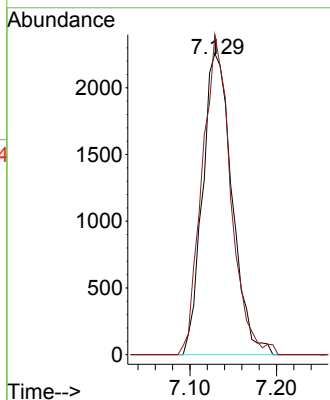
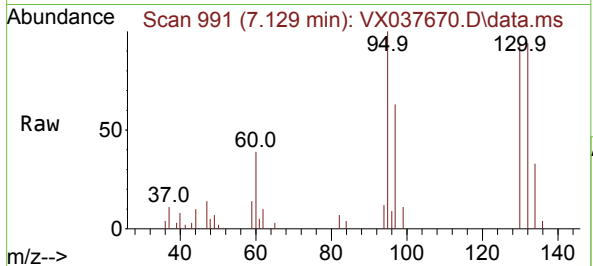




#44
 Trichloroethene
 Concen: 1.976 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX037670.D
 Acq: 12 Sep 2023 15:48

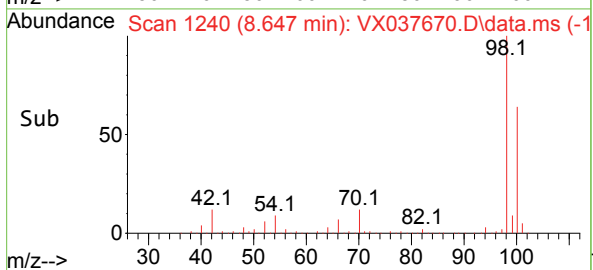
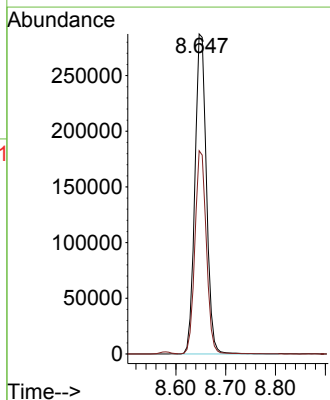
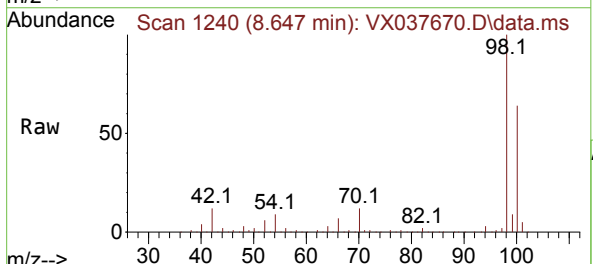
Instrument :
 MSVOA_X
 ClientSampleId :

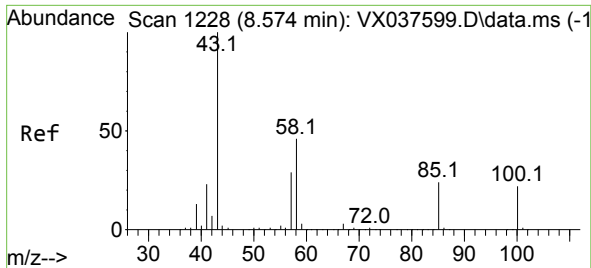
Tgt Ion:130 Resp: 5346
 Ion Ratio Lower Upper
 130 100
 95 106.3 0.0 204.4



#50
 Toluene-d8
 Concen: 46.467 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.006 min
 Lab File: VX037670.D
 Acq: 12 Sep 2023 15:48

Tgt Ion: 98 Resp: 460107
 Ion Ratio Lower Upper
 98 100
 100 63.0 53.1 79.7

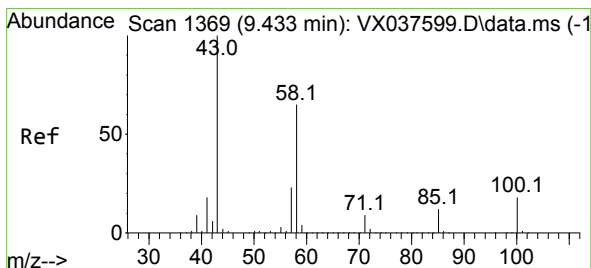
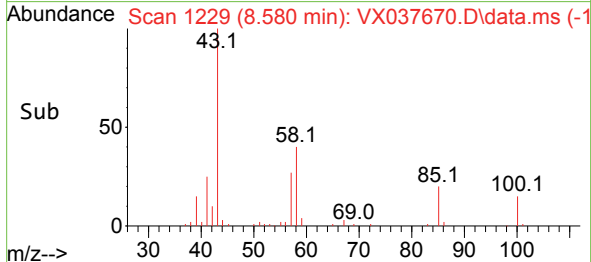
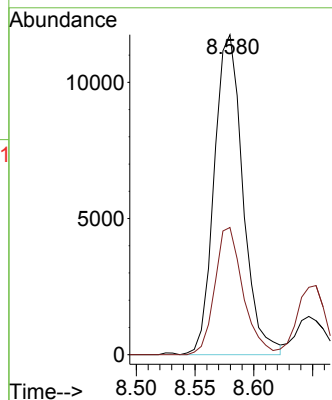
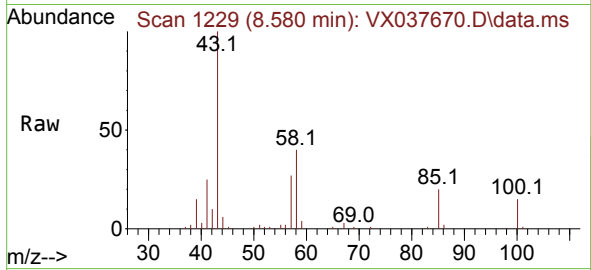




#51
4-Methyl-2-Pentanone
Concen: 4.661 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

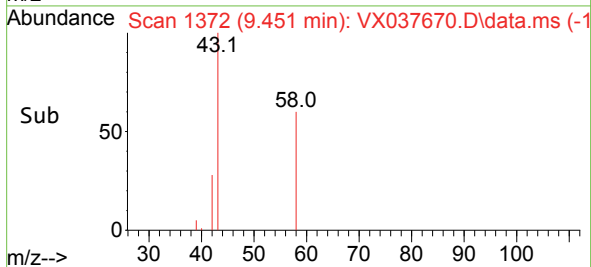
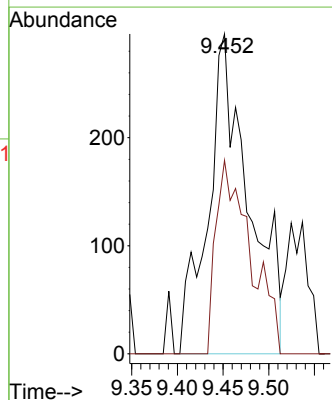
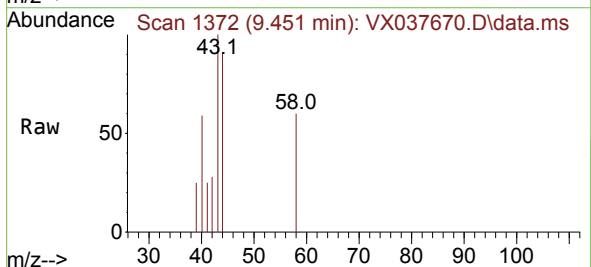
Instrument :
MSVOA_X
ClientSampleId :

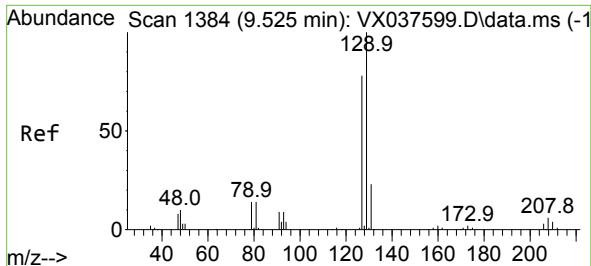
Tgt Ion: 43 Resp: 19956
Ion Ratio Lower Upper
43 100
58 39.0 30.4 45.6



#59
2-Hexanone
Concen: 0.279 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 43.4 26.2 78.5

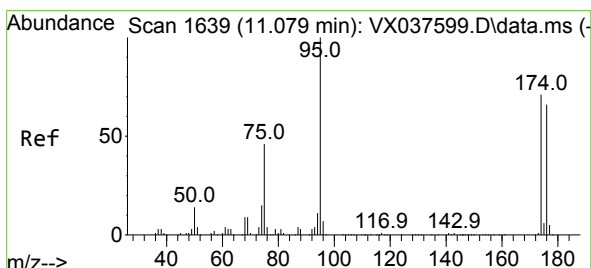
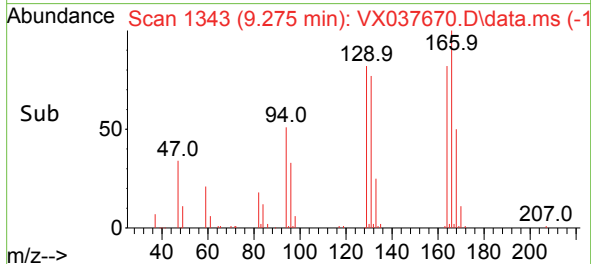
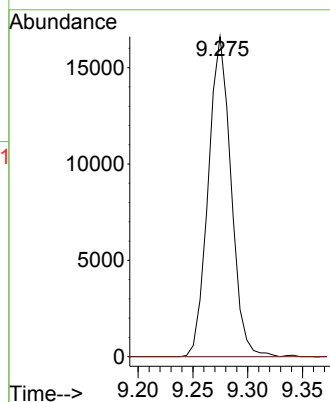
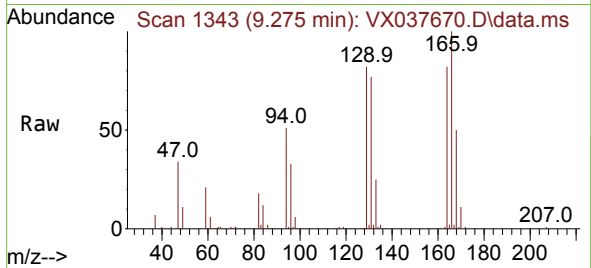




#60
Dibromochloromethane
Concen: 8.351 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

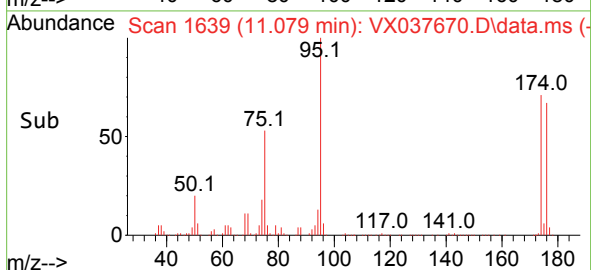
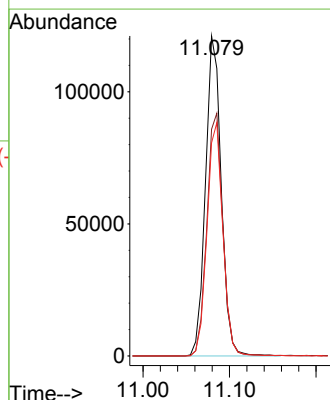
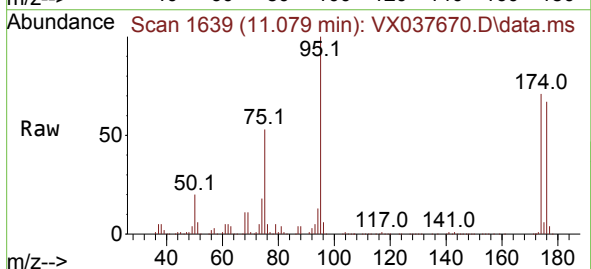
Instrument :
MSVOA_X
ClientSampleId :

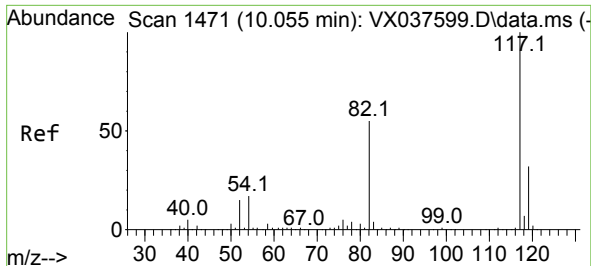
Tgt Ion:129 Resp: 24045
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 42.816 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

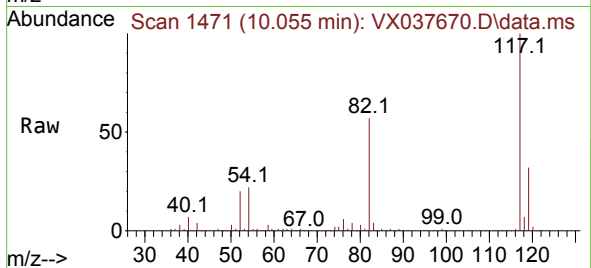
Tgt Ion: 95 Resp: 152949
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 73.4 0.0 131.0



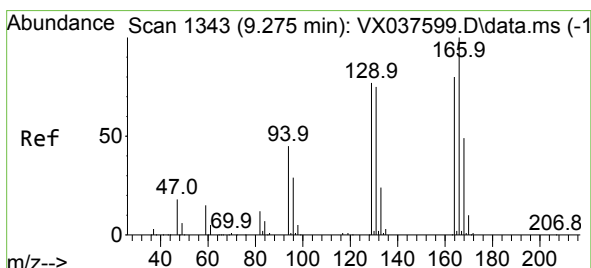
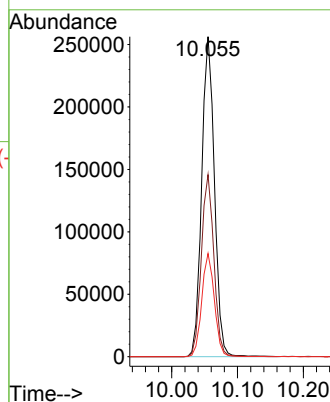
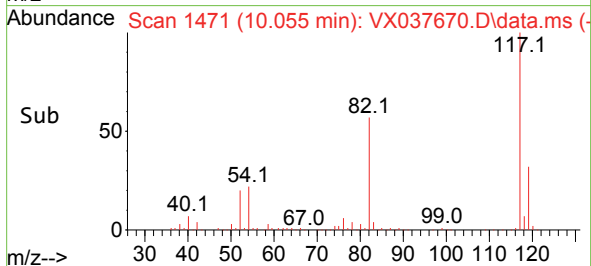


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

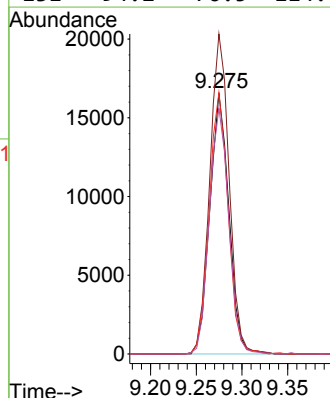
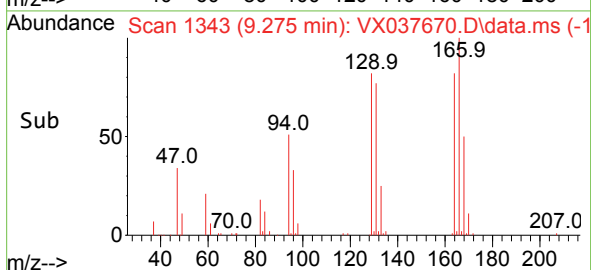
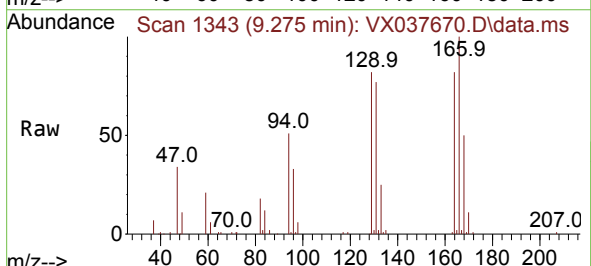


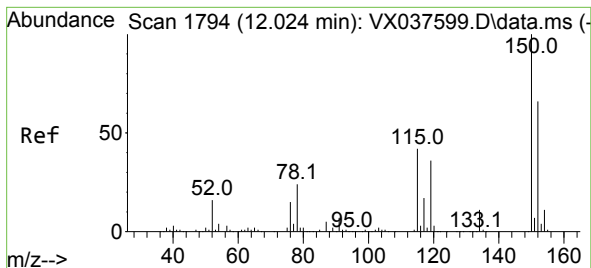
Tgt Ion:117 Resp: 344335
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 10.793 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion:164 Resp: 24078
Ion Ratio Lower Upper
164 100
166 122.7 102.7 154.1
129 100.2 80.4 120.6
131 94.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037670.D

Acq: 12 Sep 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

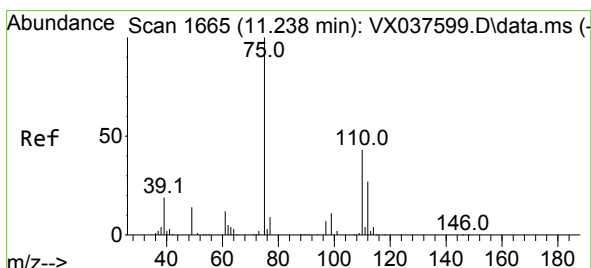
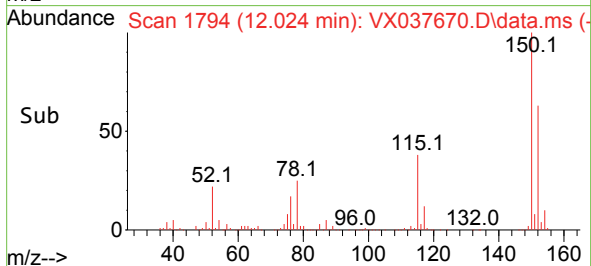
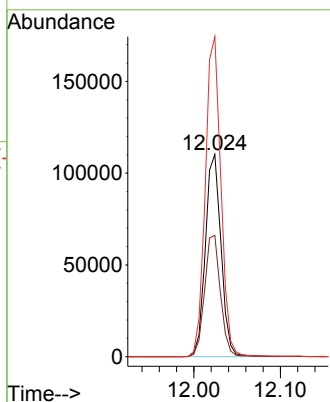
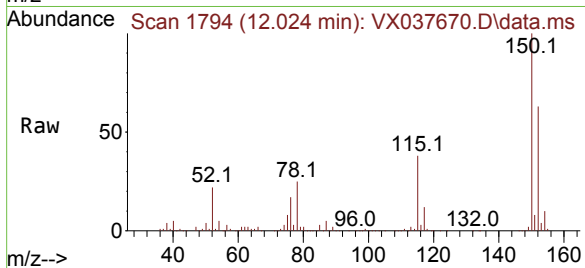
Tgt Ion:152 Resp: 138548

Ion Ratio Lower Upper

152 100

115 60.8 43.3 129.9

150 157.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.118 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037670.D

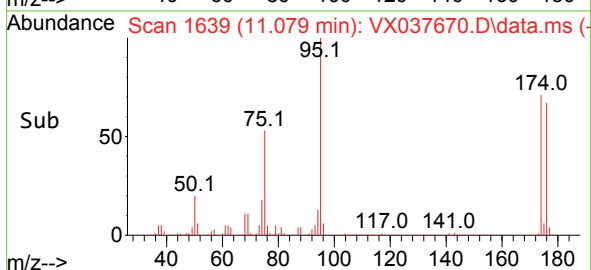
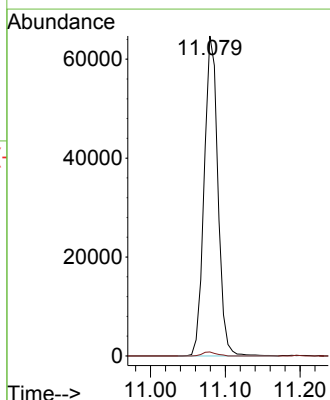
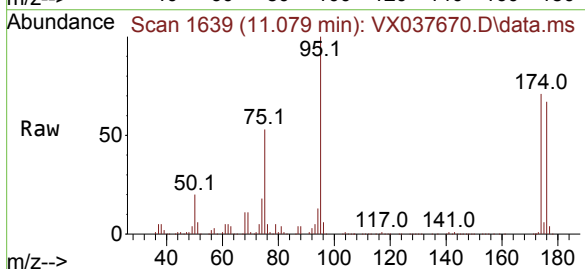
Acq: 12 Sep 2023 15:48

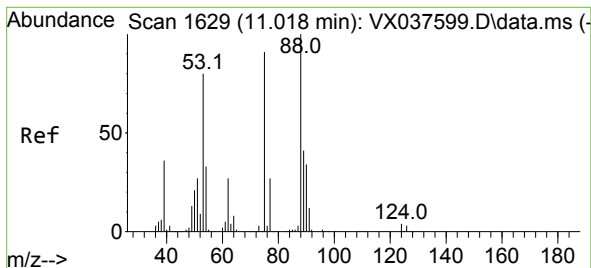
Tgt Ion: 75 Resp: 82599

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

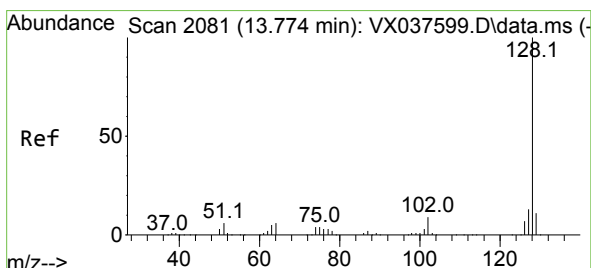
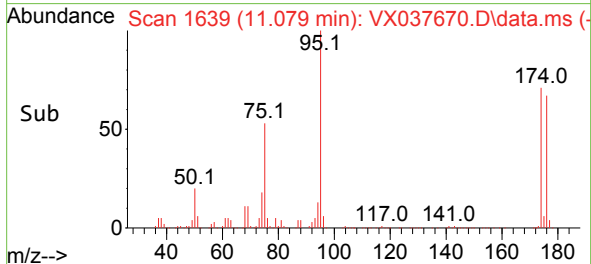
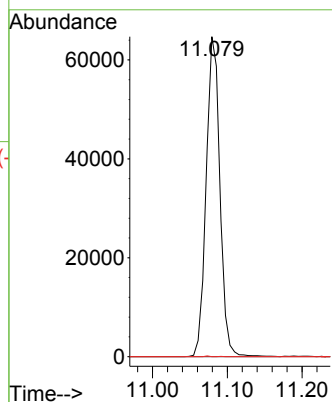
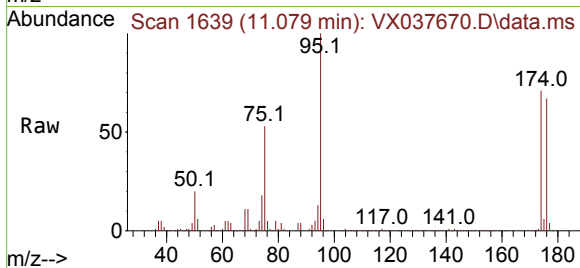




#81
trans-1,4-Dichloro-2-butene
Concen: 82.431 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 82599
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 0.249 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037670.D
Acq: 12 Sep 2023 15:48

Tgt Ion:128 Resp: 2540
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 13.8 8.8 13.2#

