

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
 Data File : VX037481.D
 Acq On : 02 Sep 2023 14:28
 Operator : JC/MD
 Sample : 04270-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-033123

Quant Time: Sep 04 04:27:36 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)

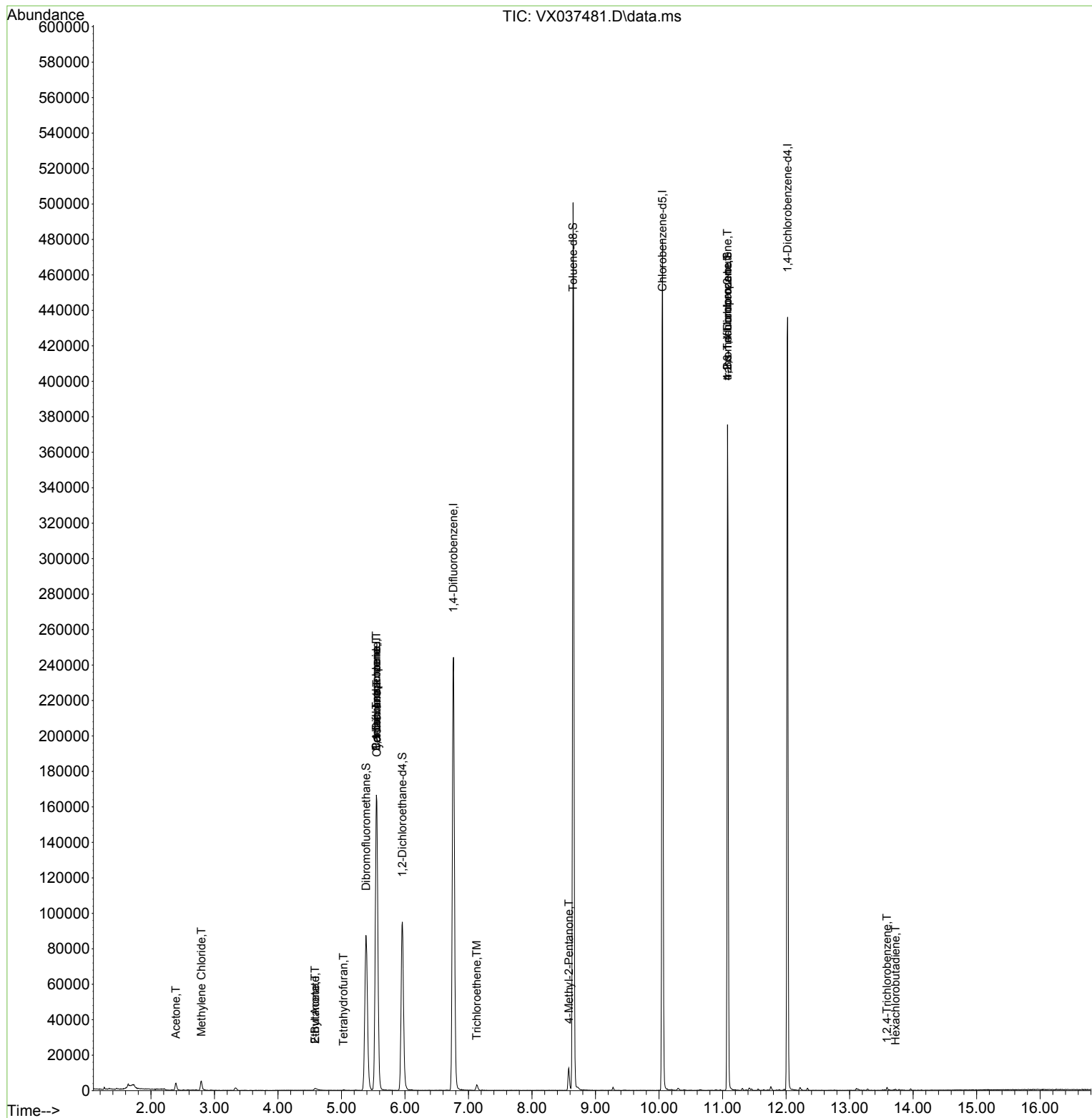
Internal Standards						
1) Pentafluorobenzene	5.550	168	158929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94012	41.031	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.060%		
35) Dibromofluoromethane	5.385	113	79166	45.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.680%		
50) Toluene-d8	8.647	98	303636	47.941	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.880%		
62) 4-Bromofluorobenzene	11.079	95	104751	42.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.180%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	5011	5.590	ug/l	98
20) Methylene Chloride	2.794	84	3059	1.526	ug/l #	80
25) 2-Butanone	4.587	43	2344	1.737	ug/l #	66
29) Tetrahydrofuran	5.032	42	183	0.213	ug/l #	87
31) Cyclohexane	5.556	56	2841	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11866	4.783	ug/l #	51
37) Ethyl Acetate	4.587	43	2344	0.925	ug/l #	69
38) Carbon Tetrachloride	5.550	117	16577	6.152	ug/l #	15
44) Trichloroethene	7.129	130	1399	0.693	ug/l	84
51) 4-Methyl-2-Pentanone	8.580	43	7671	3.140	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50835	25.128	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50835	70.184	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	362	0.200	ug/l	93
94) Hexachlorobutadiene	13.725	225	207	0.296	ug/l #	59

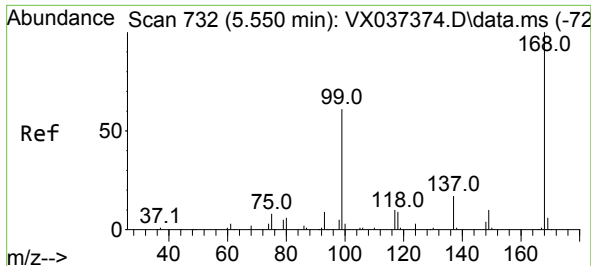
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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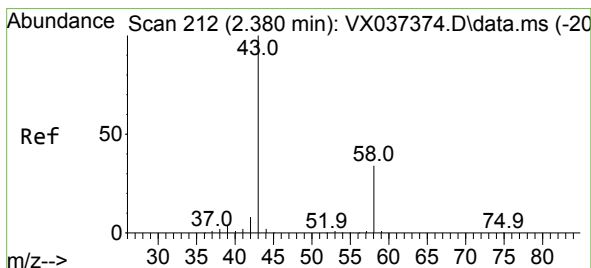
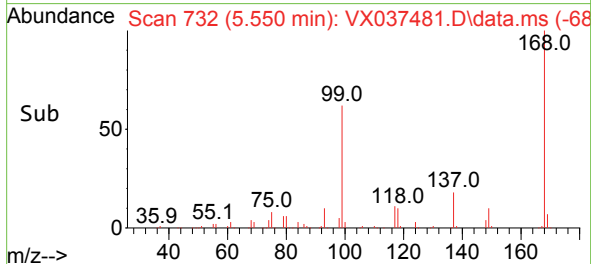
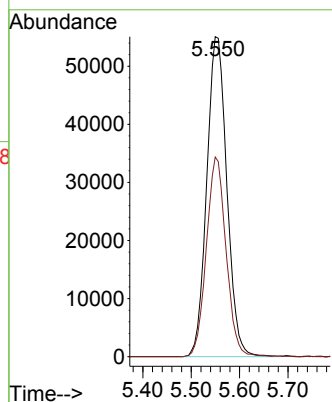
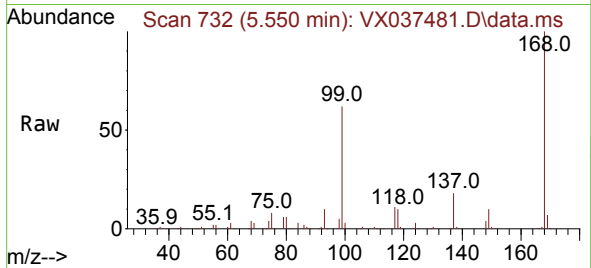




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

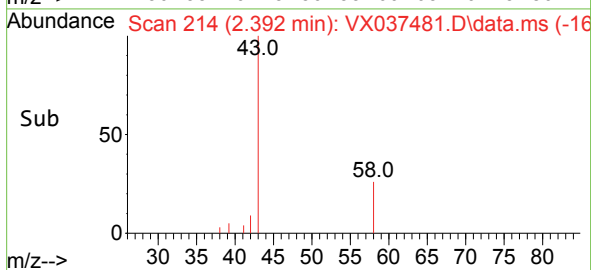
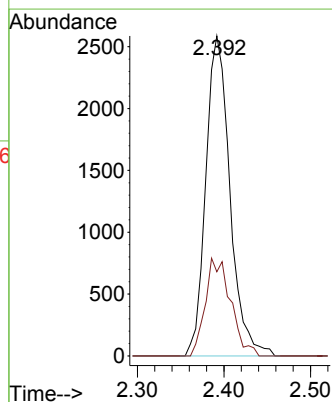
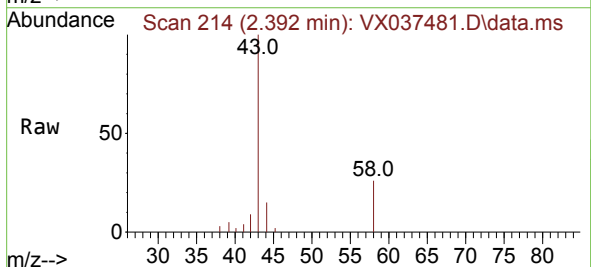
Instrument :
MSVOA_X
ClientSampleId :
TB-01-033123

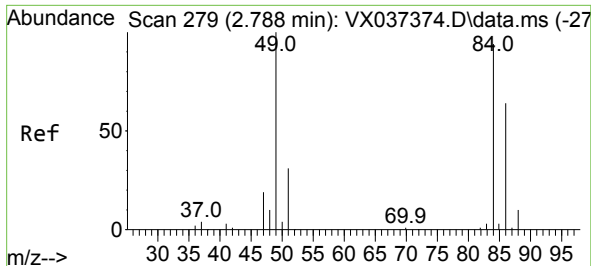
Tgt Ion:168 Resp: 158929
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#16
Acetone
Concen: 5.590 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

Tgt Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
58 26.3 21.9 32.9





#20

Methylene Chloride

Concen: 1.526 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-033123

Tgt Ion: 84 Resp: 3059

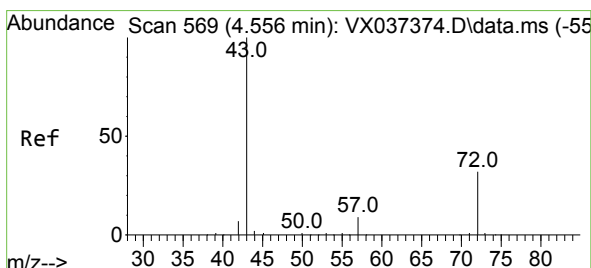
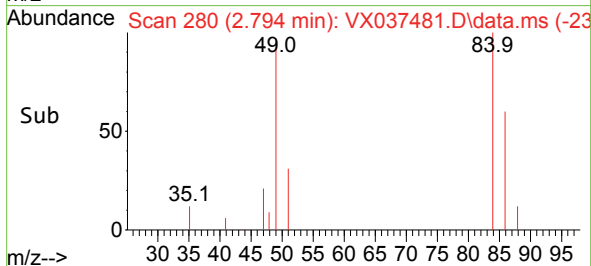
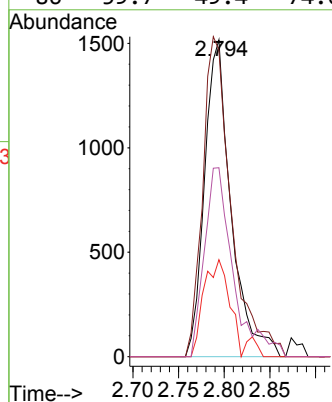
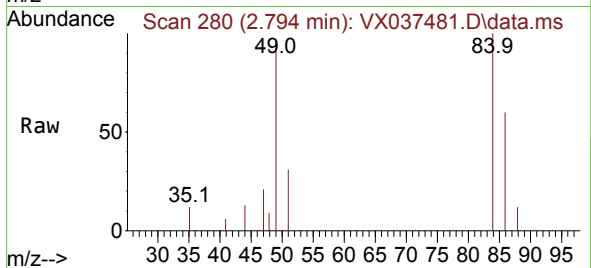
Ion Ratio Lower Upper

84 100

49 96.8 103.6 155.4#

51 30.6 33.8 50.6#

86 59.7 49.4 74.0



#25

2-Butanone

Concen: 1.737 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX037481.D

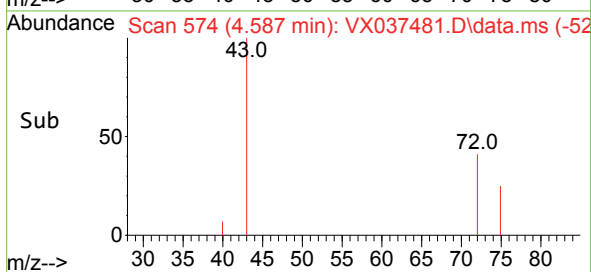
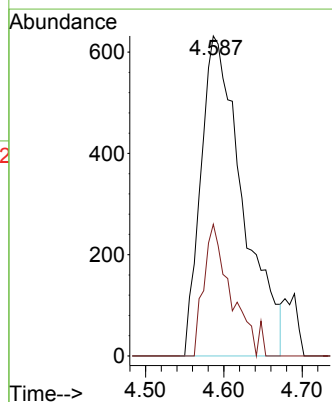
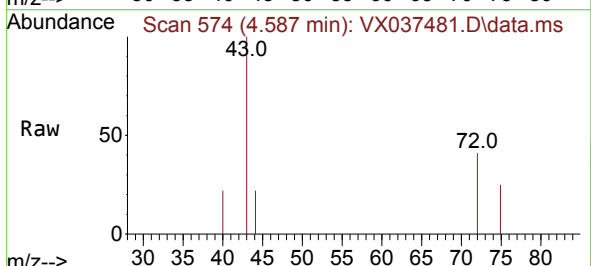
Acq: 02 Sep 2023 14:28

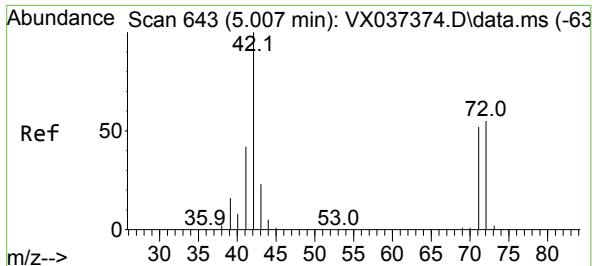
Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

43 100

72 41.1 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-033123

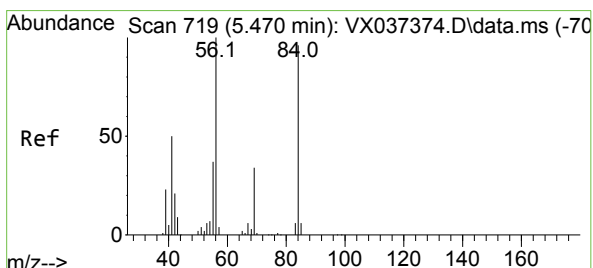
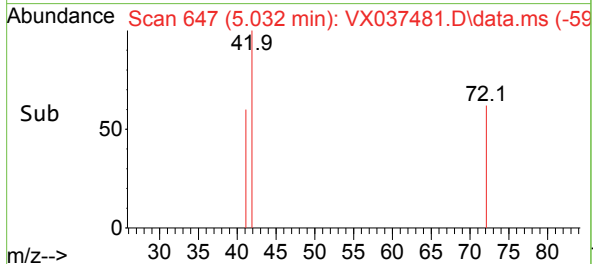
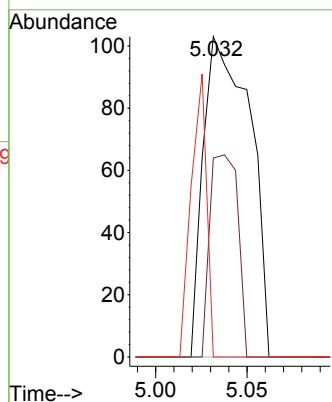
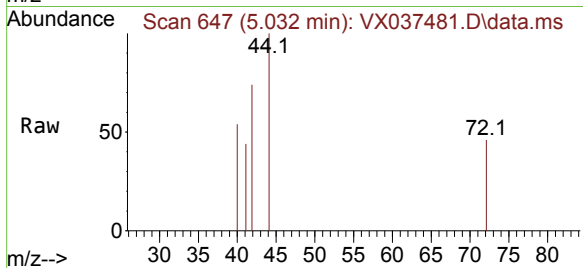
Tgt Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

72 37.7 34.2 51.4

71 29.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

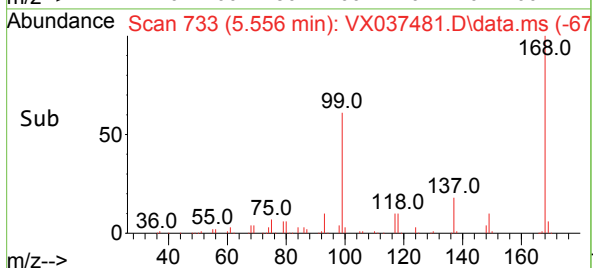
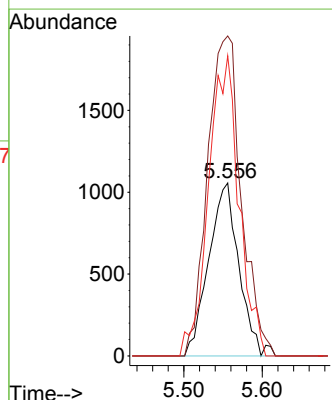
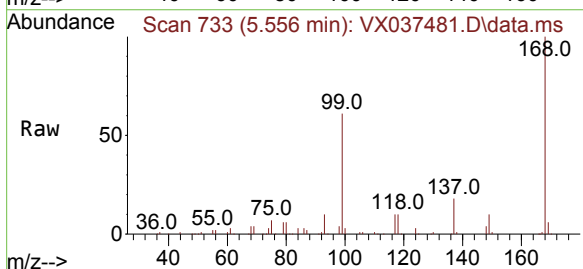
Tgt Ion: 56 Resp: 2841

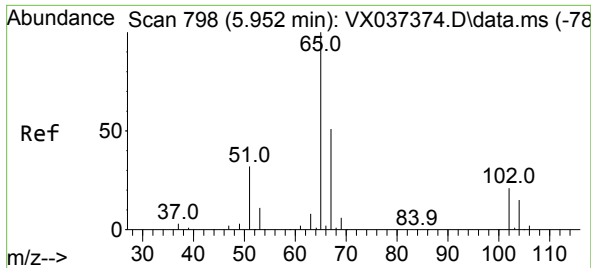
Ion Ratio Lower Upper

56 100

69 185.0 23.4 35.2#

84 173.5 65.9 98.9#

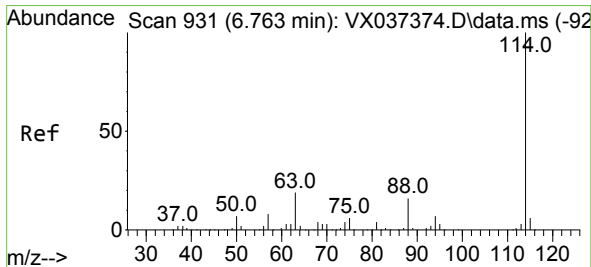
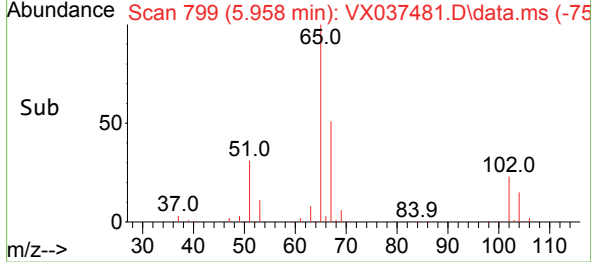
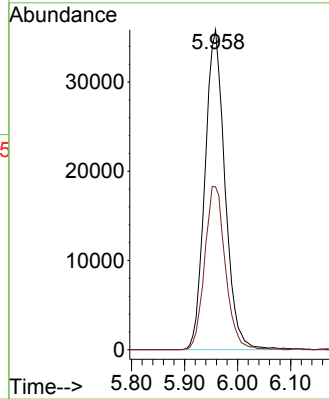
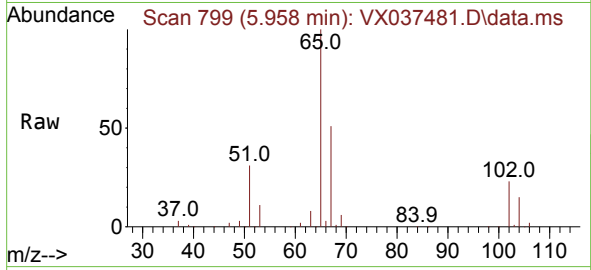




#33
 1,2-Dichloroethane-d4
 Concen: 41.031 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX037481.D
 Acq: 02 Sep 2023 14:28

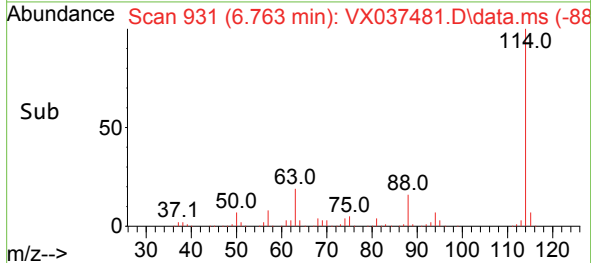
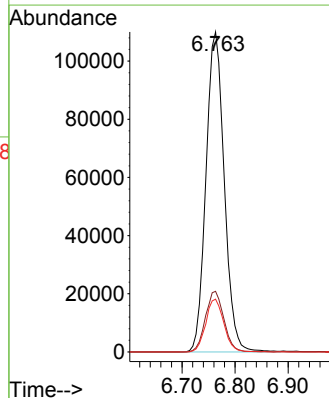
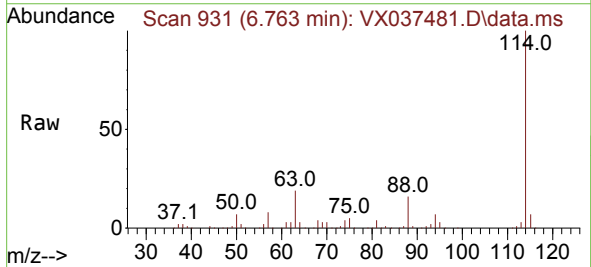
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-033123

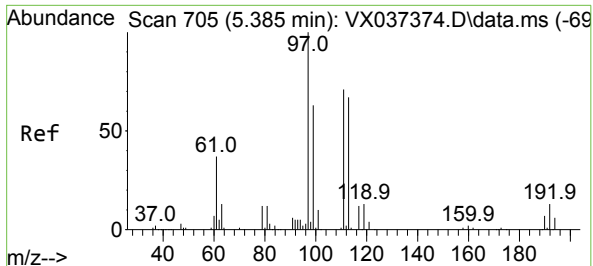
Tgt Ion: 65 Resp: 94012
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037481.D
 Acq: 02 Sep 2023 14:28

Tgt Ion: 114 Resp: 263641
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 45.0
 88 16.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.341 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037481.D

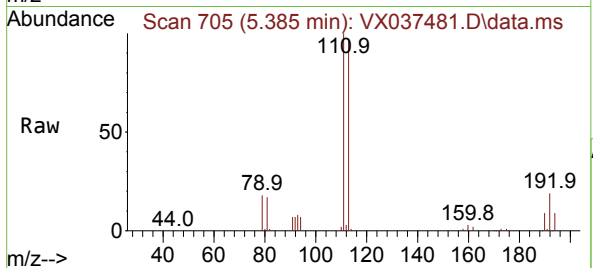
Acq: 02 Sep 2023 14:28

Instrument :

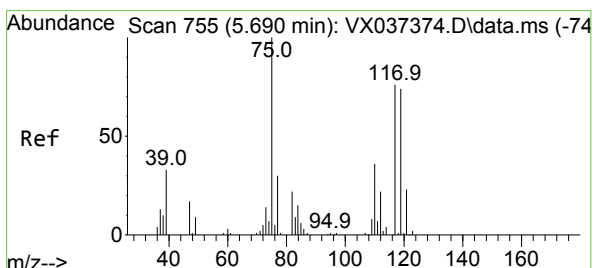
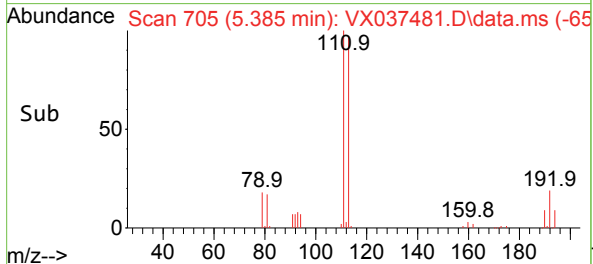
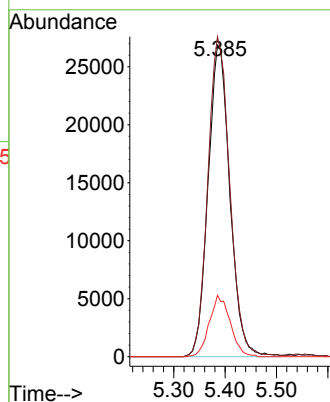
MSVOA_X

ClientSampleId :

TB-01-033123



Tgt Ion:	113	Resp:	79166
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	18.9	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.783 ug/l

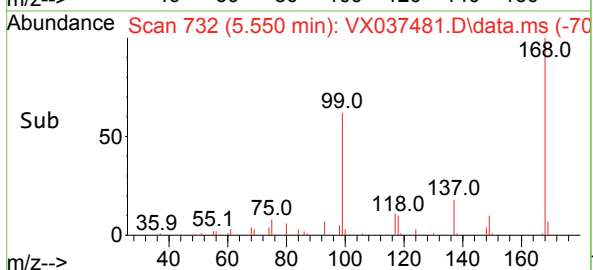
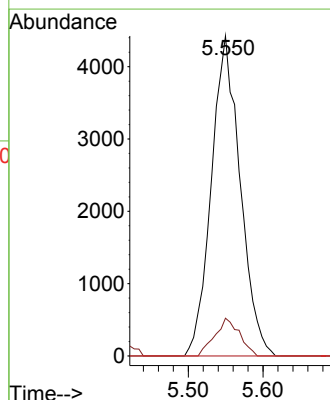
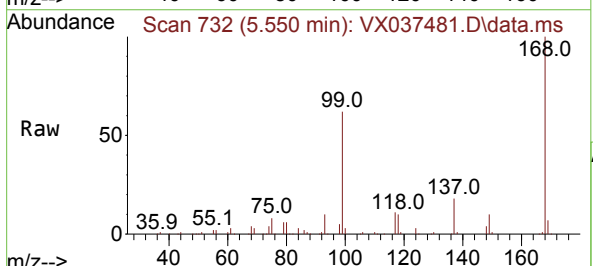
RT: 5.550 min Scan# 732

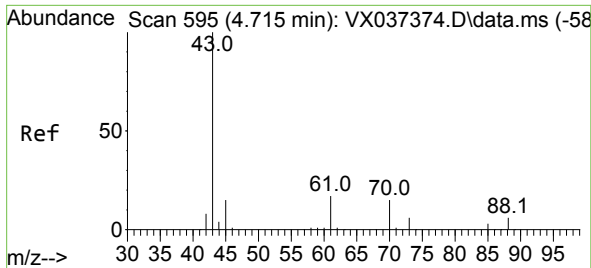
Delta R.T. -0.146 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Tgt Ion:	75	Resp:	11866
Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.925 ug/l

RT: 4.587 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-033123

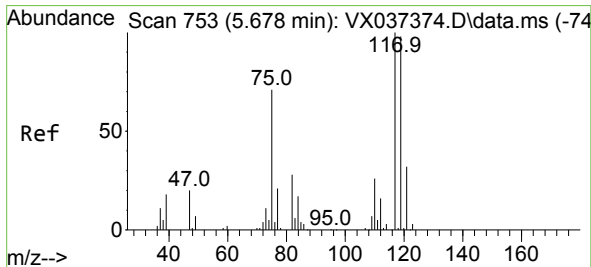
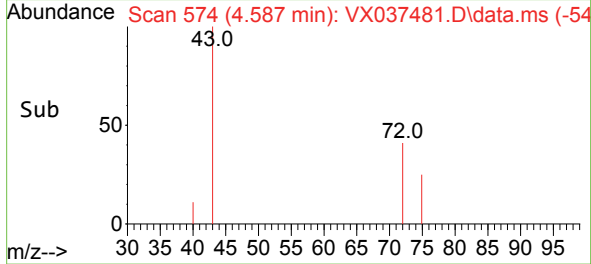
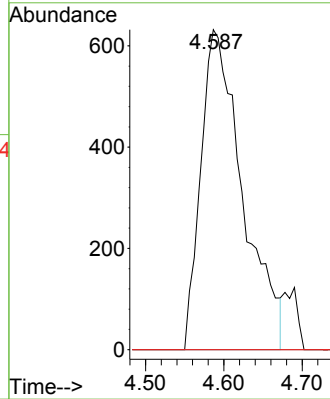
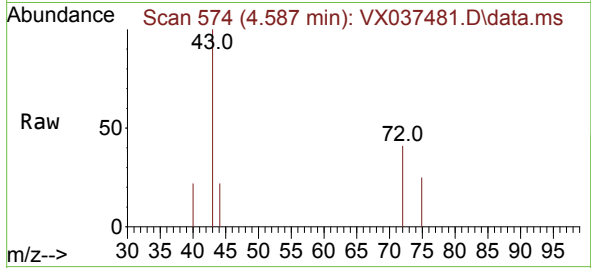
Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.152 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

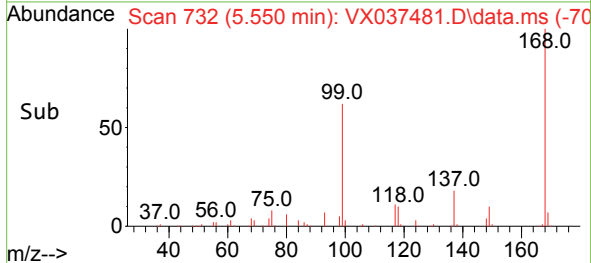
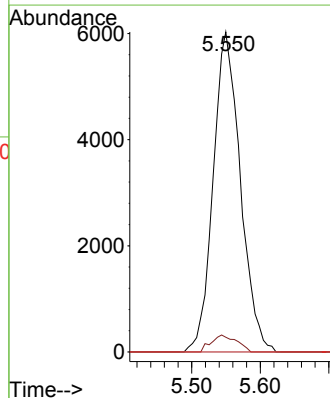
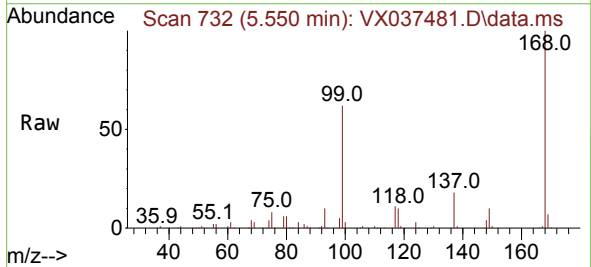
Tgt Ion: 117 Resp: 16577

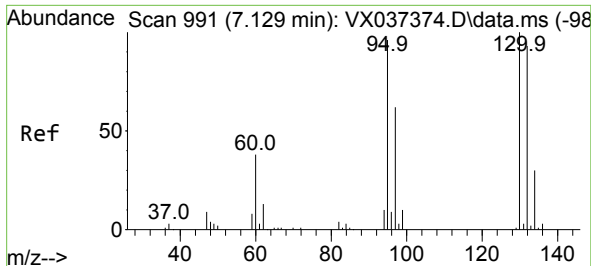
Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.2#

121 0.0 24.4 36.6#

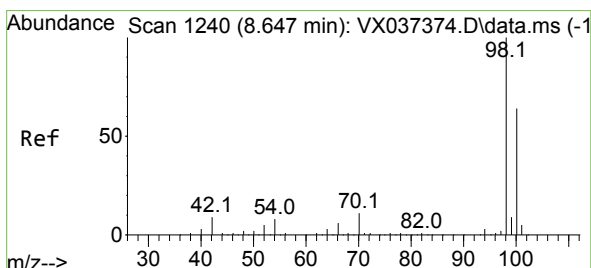
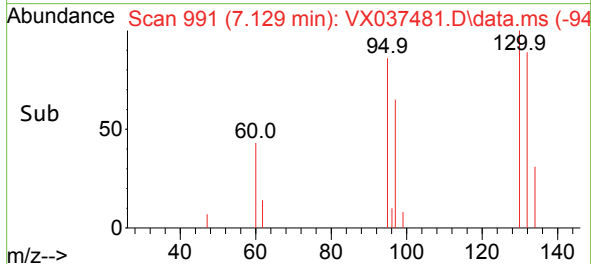
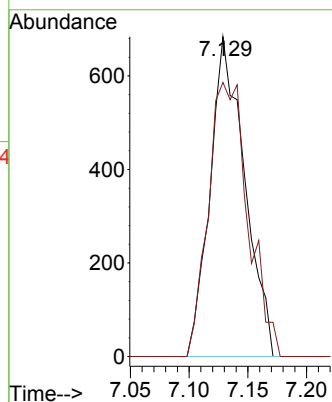
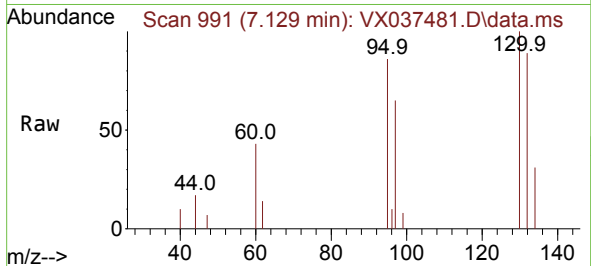




#44
 Trichloroethene
 Concen: 0.693 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX037481.D
 Acq: 02 Sep 2023 14:28

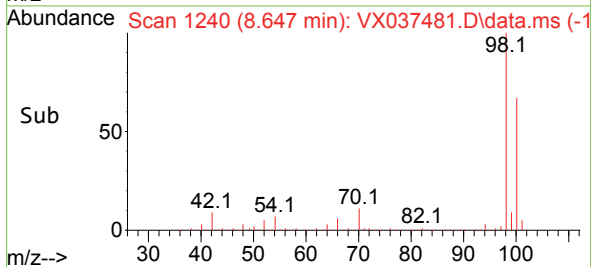
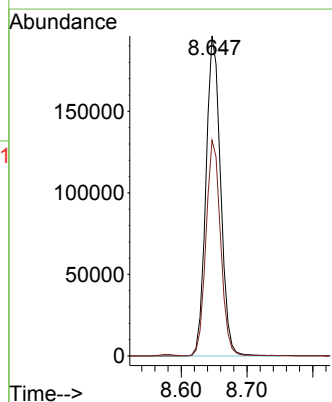
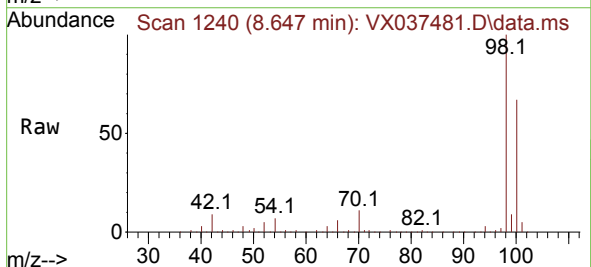
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-033123

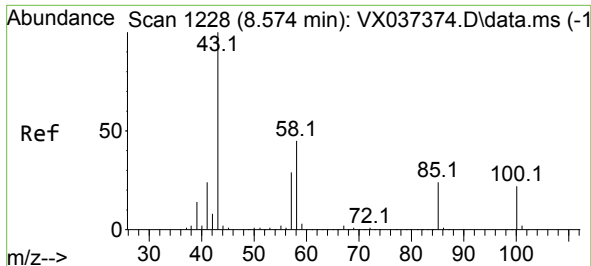
Tgt Ion:130 Resp: 1399
 Ion Ratio Lower Upper
 130 100
 95 85.7 0.0 204.4



#50
 Toluene-d8
 Concen: 47.941 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX037481.D
 Acq: 02 Sep 2023 14:28

Tgt Ion: 98 Resp: 303636
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.1 79.7

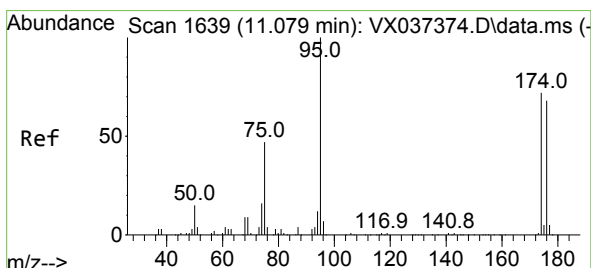
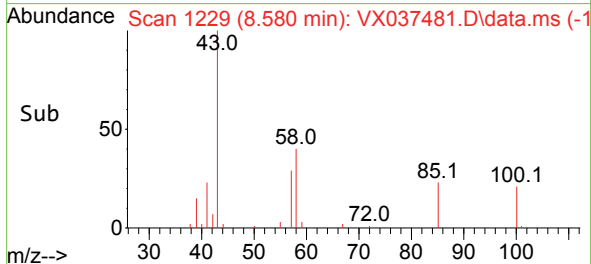
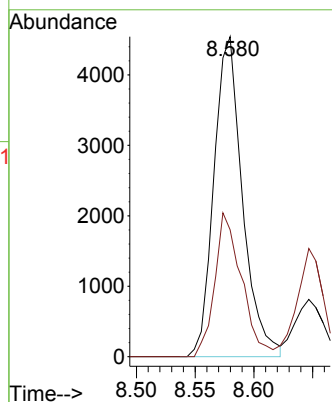
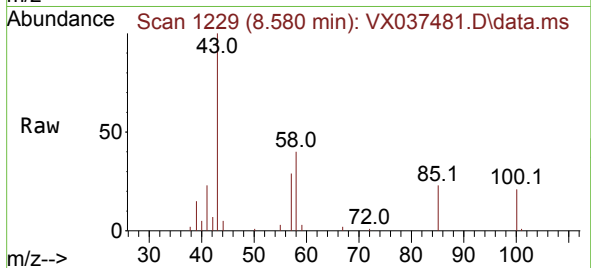




#51
4-Methyl-2-Pentanone
Concen: 3.140 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

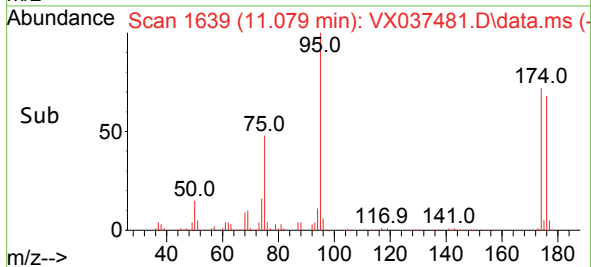
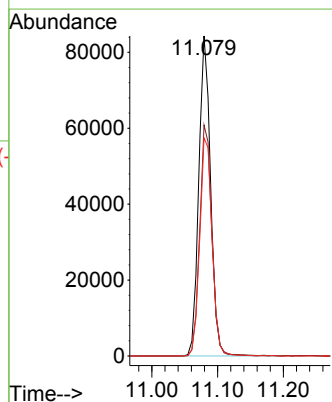
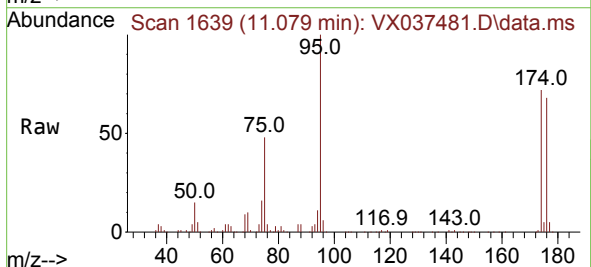
Instrument :
MSVOA_X
ClientSampleId :
TB-01-033123

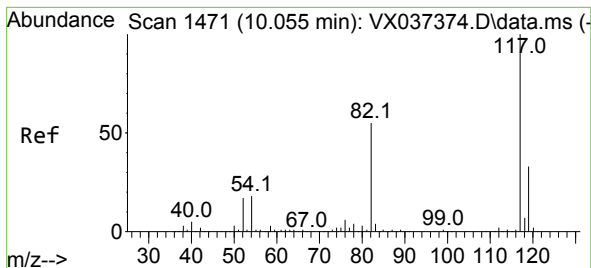
Tgt Ion: 43 Resp: 7671
Ion Ratio Lower Upper
43 100
58 42.2 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 42.086 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

Tgt Ion: 95 Resp: 104751
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 71.5 0.0 131.0

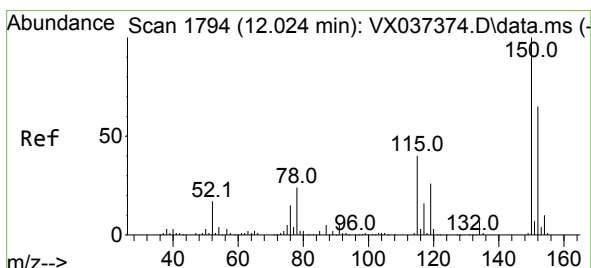
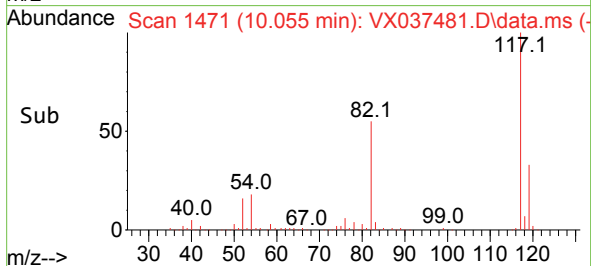
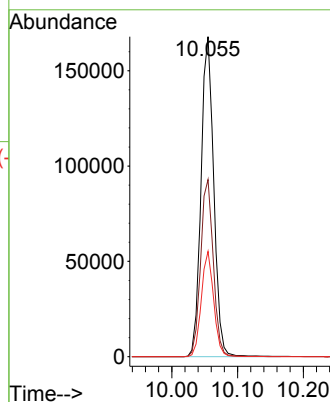
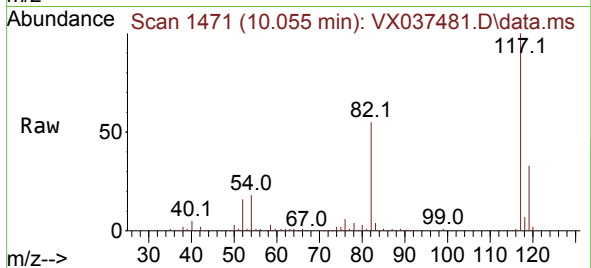




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

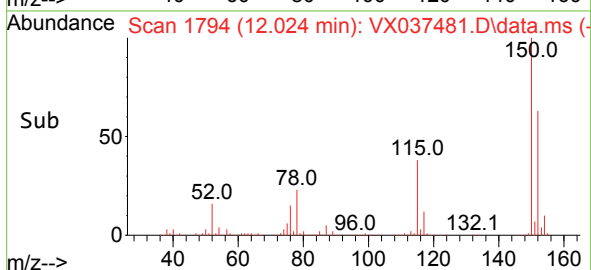
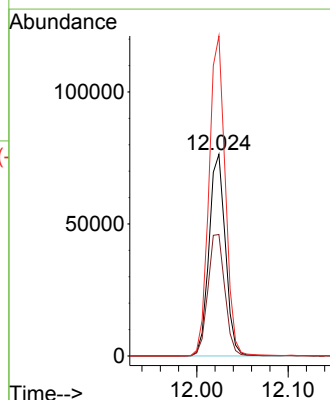
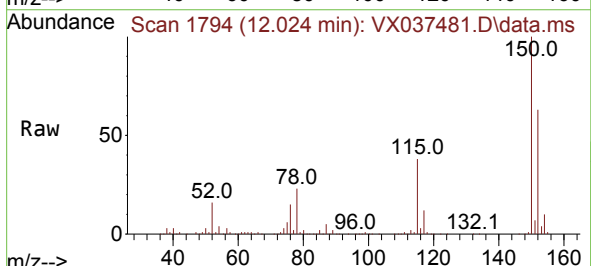
Instrument :
MSVOA_X
ClientSampleId :
TB-01-033123

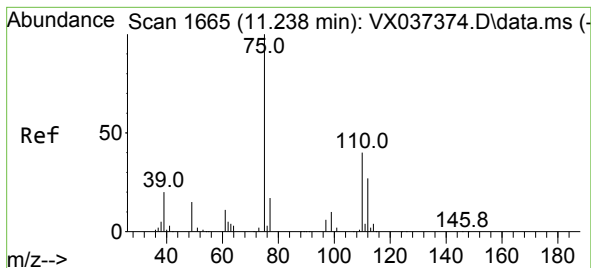
Tgt Ion:117 Resp: 225713
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037481.D
Acq: 02 Sep 2023 14:28

Tgt Ion:152 Resp: 94993
Ion Ratio Lower Upper
152 100
115 62.5 43.3 129.9
150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.128 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

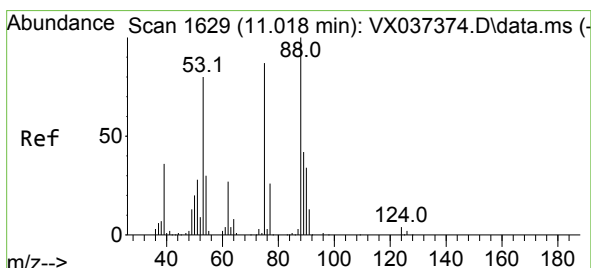
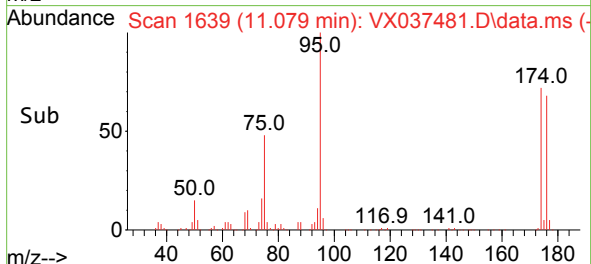
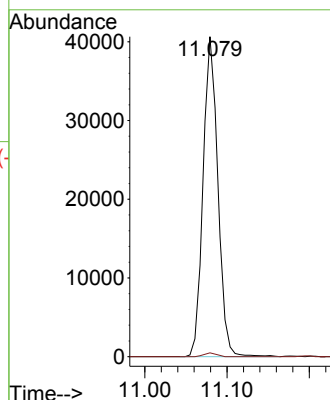
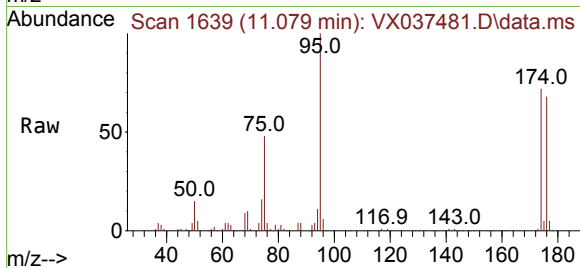
TB-01-033123

Tgt Ion: 75 Resp: 50835

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.184 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

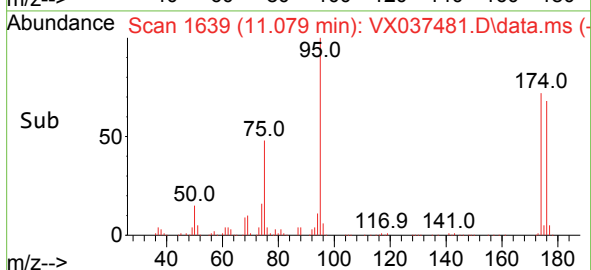
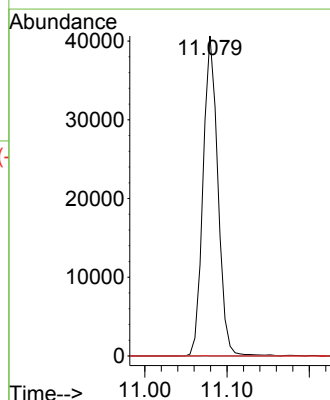
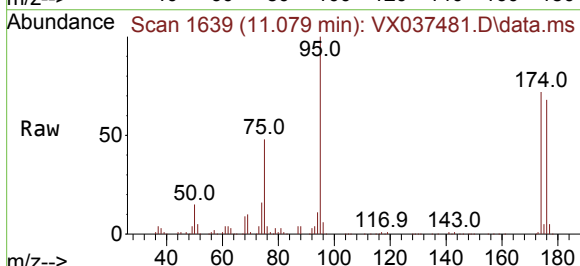
Tgt Ion: 75 Resp: 50835

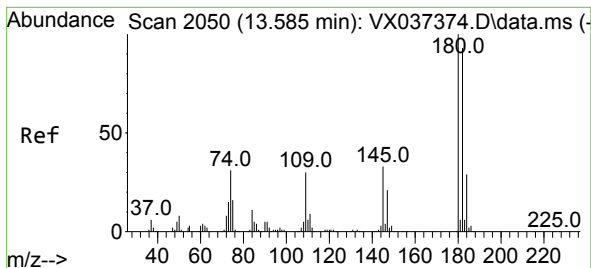
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.200 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-033123

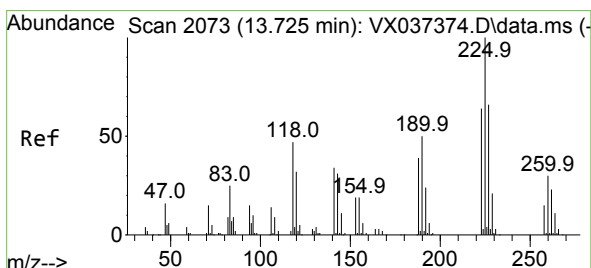
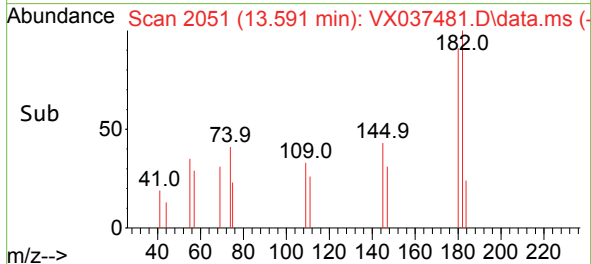
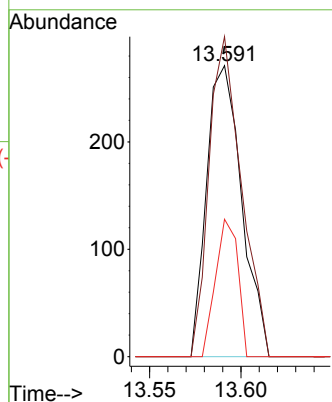
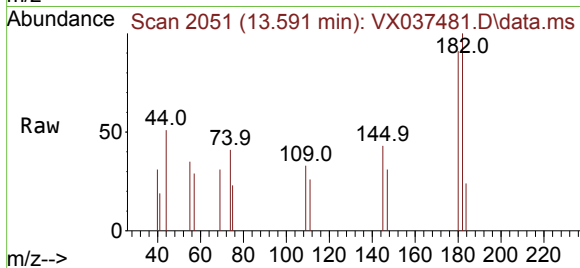
Tgt Ion:180 Resp: 362

Ion Ratio Lower Upper

180 100

182 101.7 48.3 144.8

145 30.1 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.296 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037481.D

Acq: 02 Sep 2023 14:28

Tgt Ion:225 Resp: 207

Ion Ratio Lower Upper

225 100

223 44.0 31.1 93.2

227 18.8 32.5 97.5#

