

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038981.D
 Acq On : 21 Nov 2023 13:55
 Operator : JC/MD
 Sample : 05431-07DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 18BR-20231113DL

Quant Time: Nov 22 03:19:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

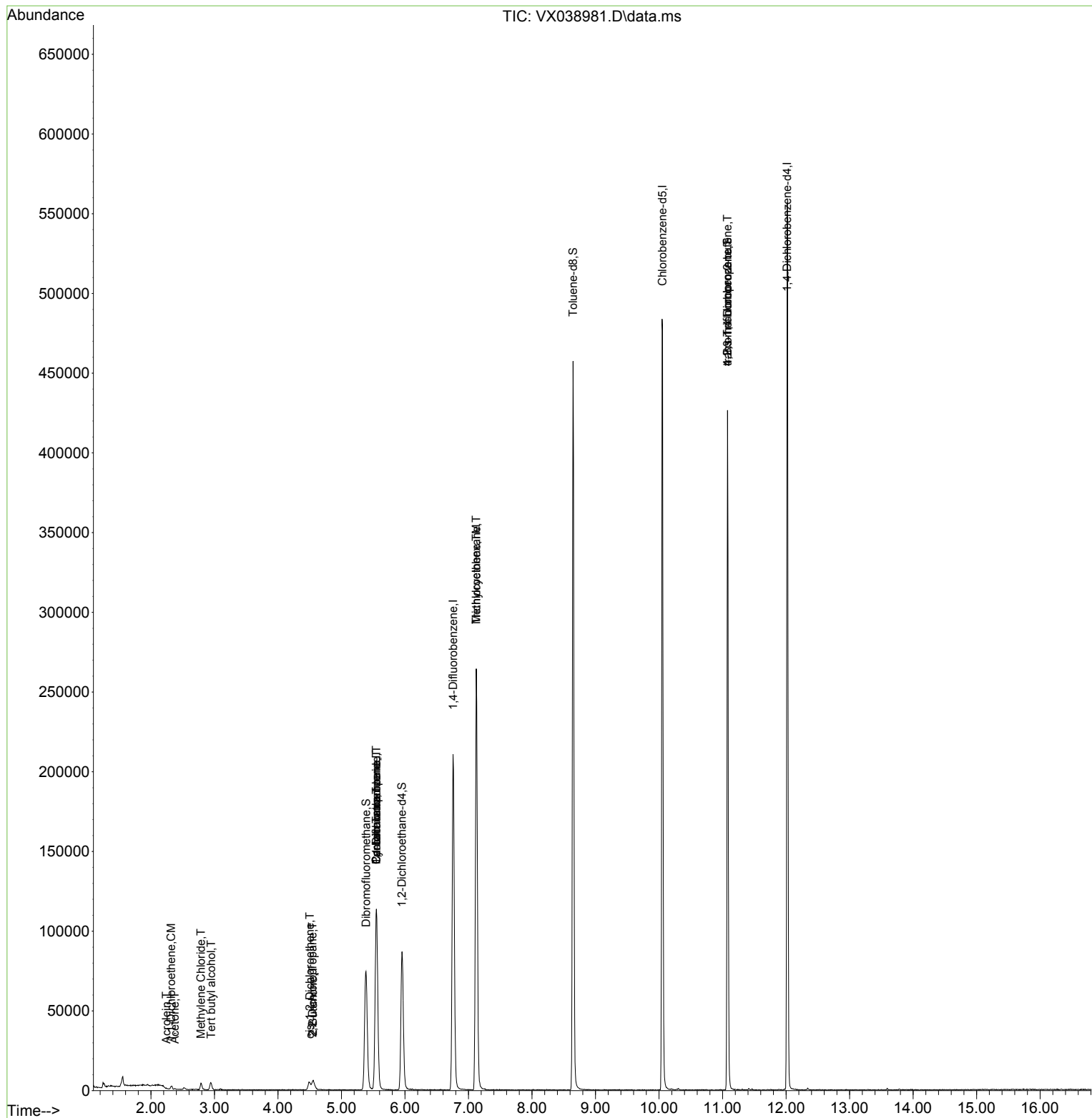
Internal Standards						
1) Pentafluorobenzene	5.550	168	101170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84180	51.638	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.280%			
35) Dibromofluoromethane	5.385	113	67461	45.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.040%			
50) Toluene-d8	8.647	98	266778	46.529	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.060%			
62) 4-Bromofluorobenzene	11.079	95	116702	50.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	2813	6.204	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	533	0.423	ug/l	94
13) Acrolein	2.239	56	95	0.396	ug/l #	82
16) Acetone	2.374	43	619	0.713	ug/l #	89
20) Methylene Chloride	2.788	84	2051	1.311	ug/l #	89
25) 2-Butanone	4.550	43	333	0.237	ug/l #	51
26) 2,2-Dichloropropane	4.544	77	517	0.230	ug/l #	54
27) cis-1,2-Dichloroethene	4.501	96	3336	2.057	ug/l	80
31) Cyclohexane	5.550	56	2870	1.233	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9710	4.521	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11590	5.839	ug/l #	14
39) Methylcyclohexane	7.123	83	1344	0.480	ug/l #	1
44) Trichloroethene	7.123	130	92747	59.982	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	61552	22.590	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61552	50.108	ug/l #	5

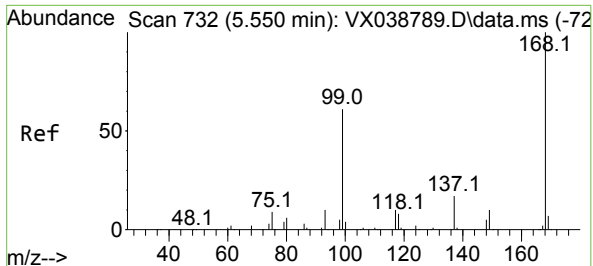
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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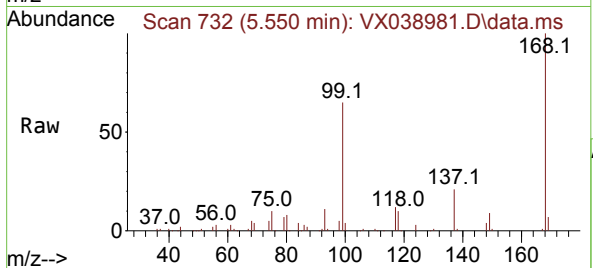
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
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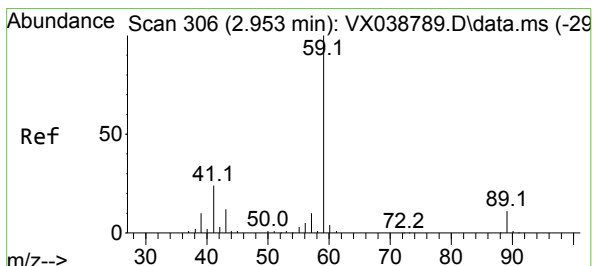
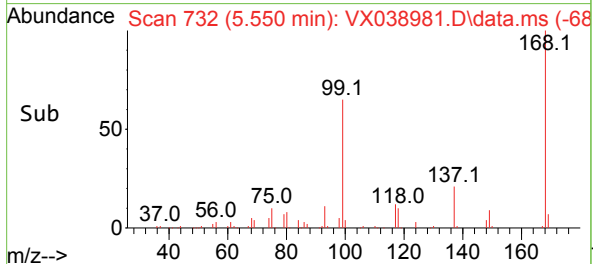
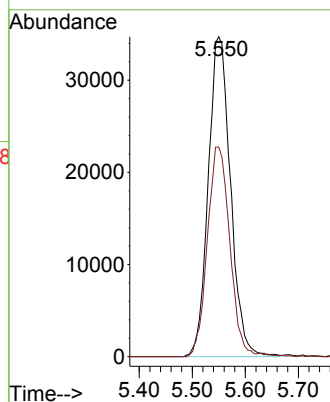


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

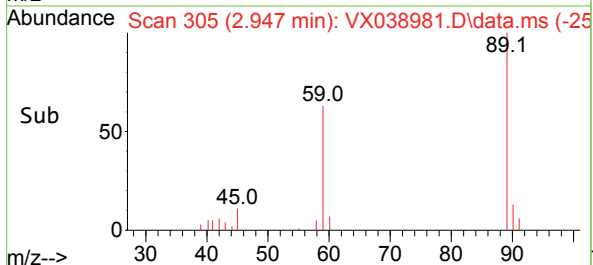
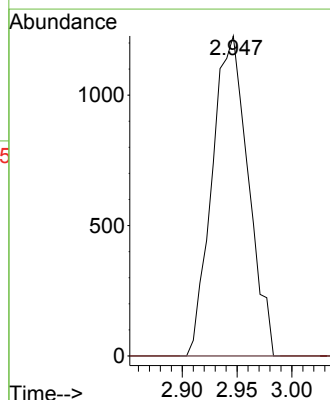
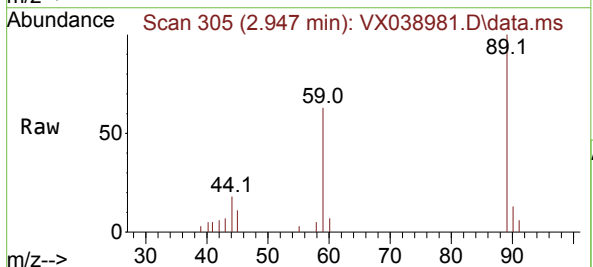


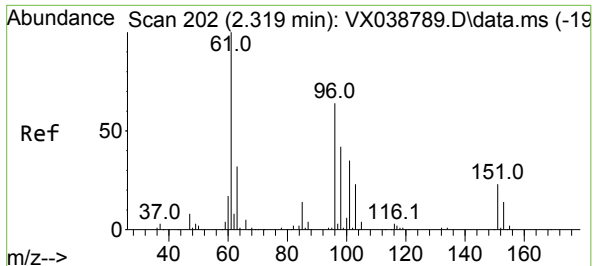
Tgt Ion:168 Resp: 101170
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.204 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Tgt Ion: 59 Resp: 2813
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.423 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

18BR-20231113DL

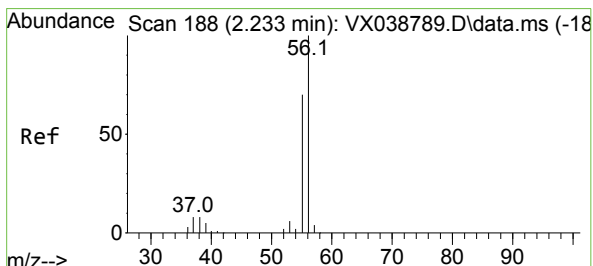
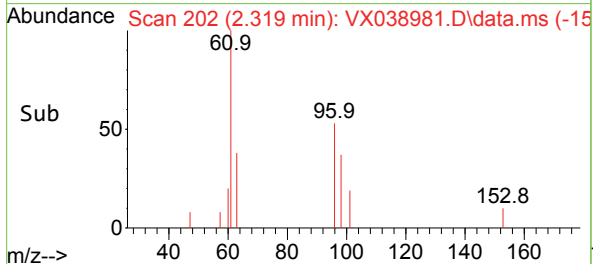
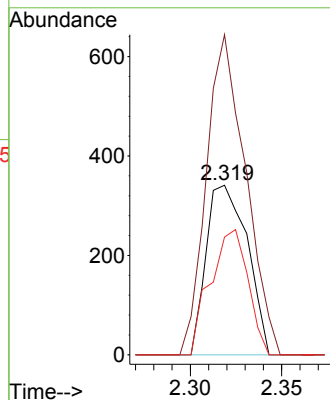
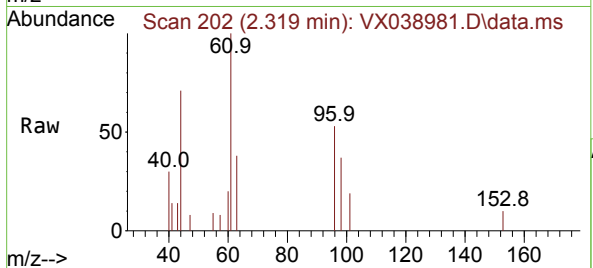
Tgt Ion: 96 Resp: 533

Ion Ratio Lower Upper

96 100

61 188.9 144.6 216.8

98 69.5 50.4 75.6



#13

Acrolein

Concen: 0.396 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038981.D

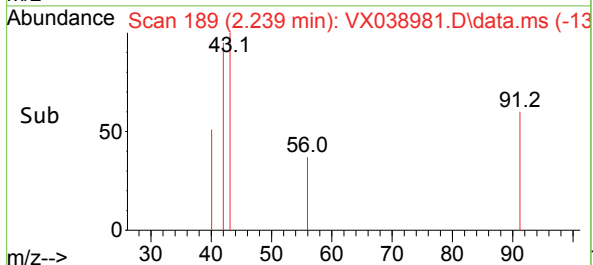
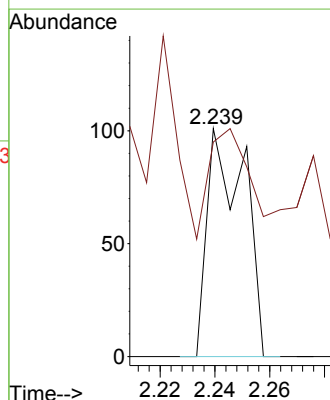
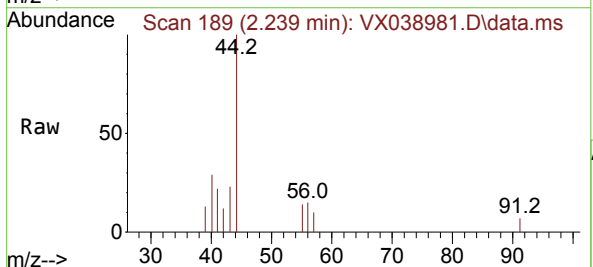
Acq: 21 Nov 2023 13:55

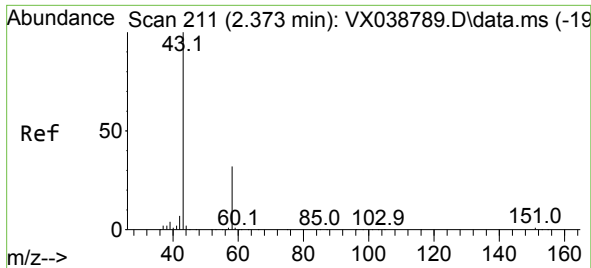
Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 56.8 57.1 85.7#





#16

Acetone

Concen: 0.713 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

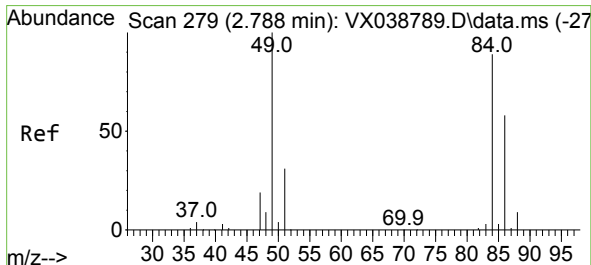
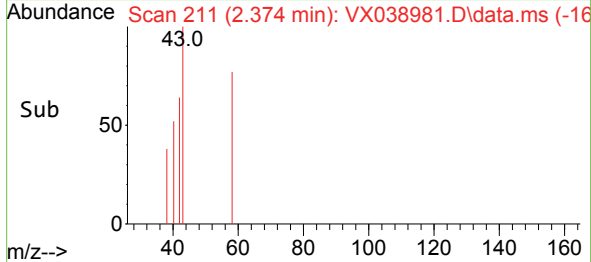
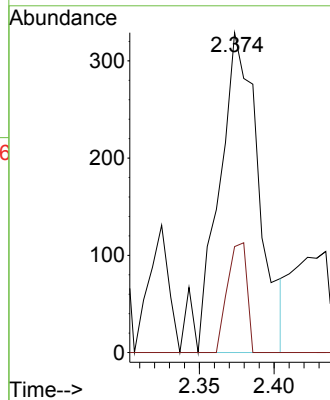
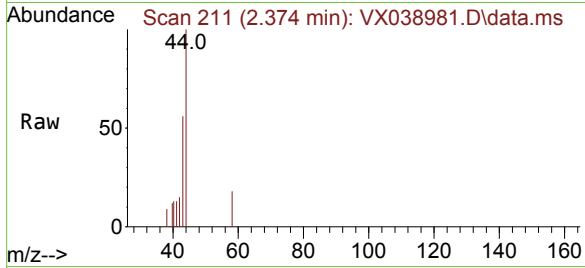
18BR-20231113DL

Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 33.1 21.9 32.9#



#20

Methylene Chloride

Concen: 1.311 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Tgt Ion: 84 Resp: 2051

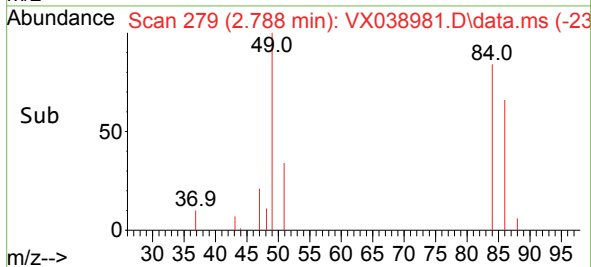
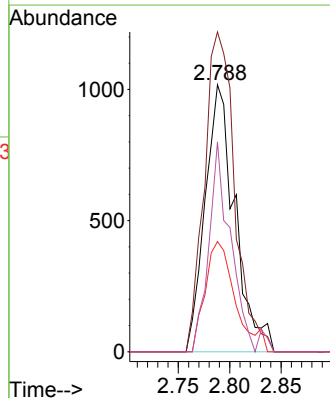
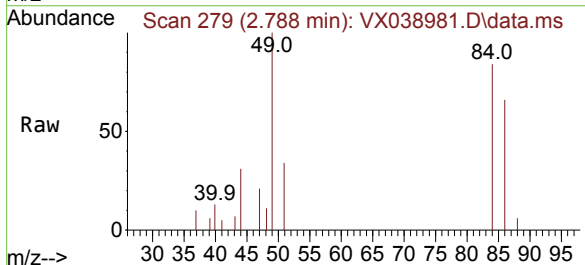
Ion Ratio Lower Upper

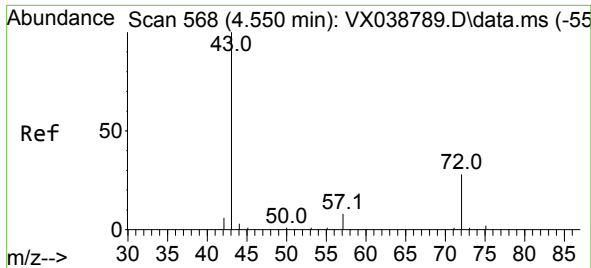
84 100

49 119.7 103.6 155.4

51 41.3 33.8 50.6

86 78.6 49.4 74.0#

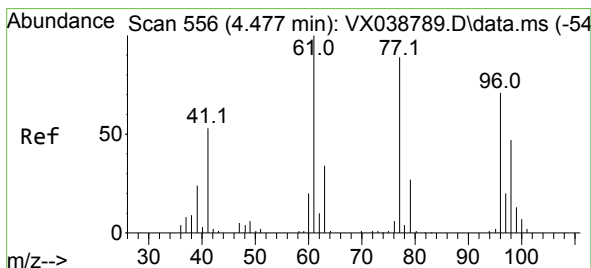
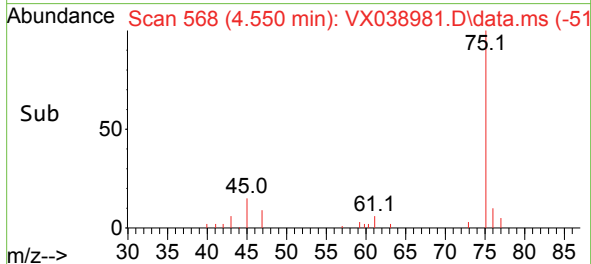
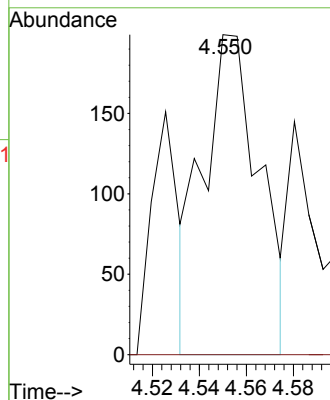
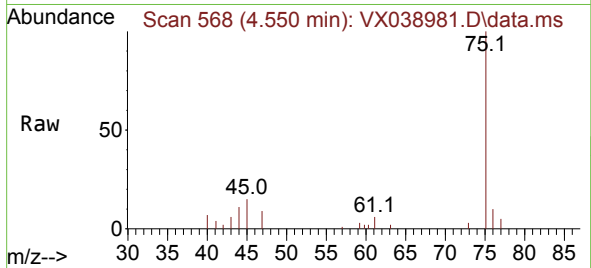




#25
2-Butanone
Concen: 0.237 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

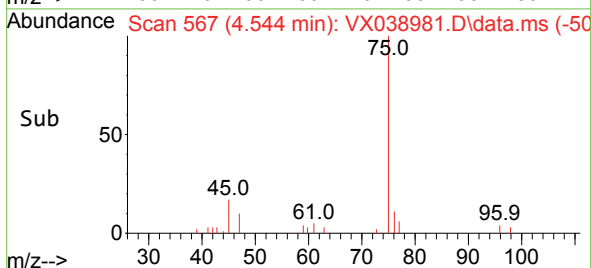
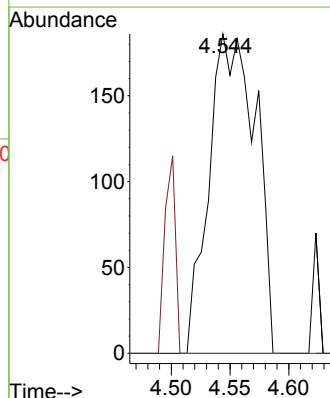
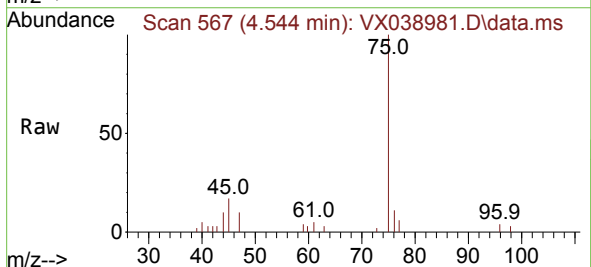
Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

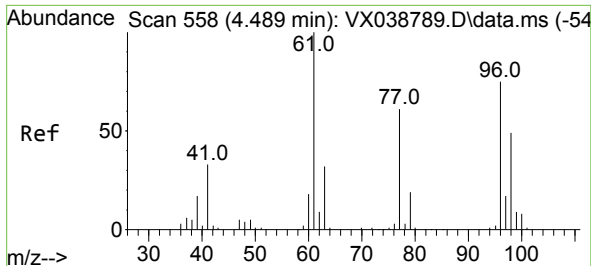
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.230 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.067 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Tgt Ion: 77 Resp: 517
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 2.057 ug/l

RT: 4.501 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

18BR-20231113DL

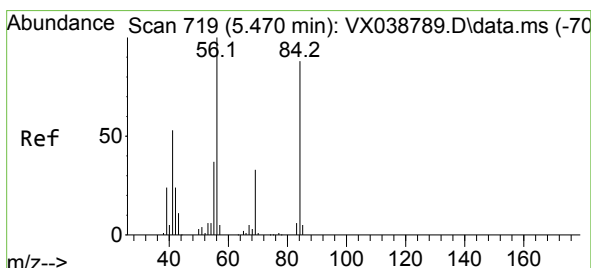
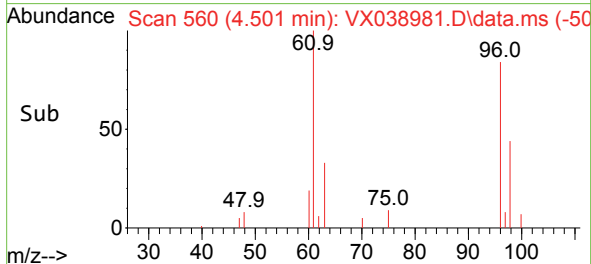
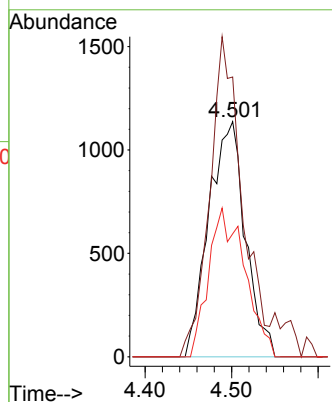
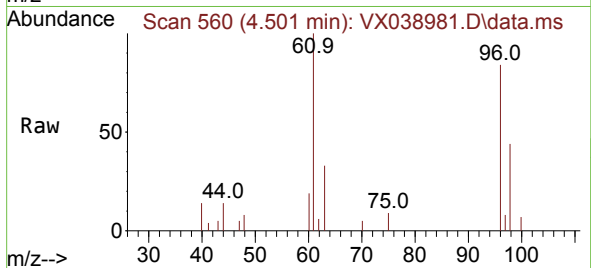
Tgt Ion: 96 Resp: 3336

Ion Ratio Lower Upper

96 100

61 120.5 0.0 312.2

98 62.8 0.0 129.0



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

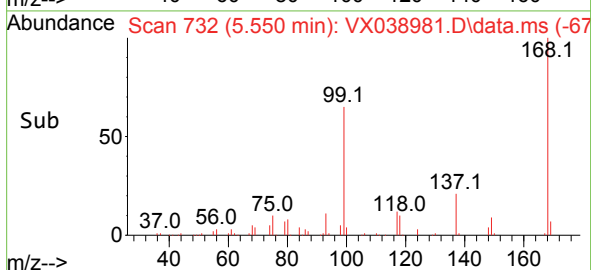
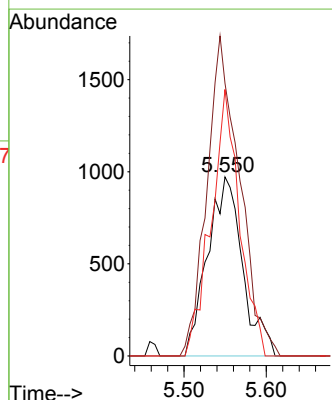
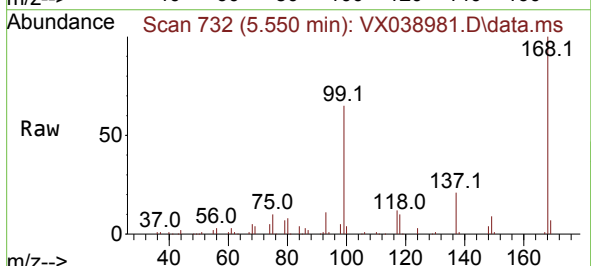
Tgt Ion: 56 Resp: 2870

Ion Ratio Lower Upper

56 100

69 152.3 23.4 35.2#

84 148.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.638 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

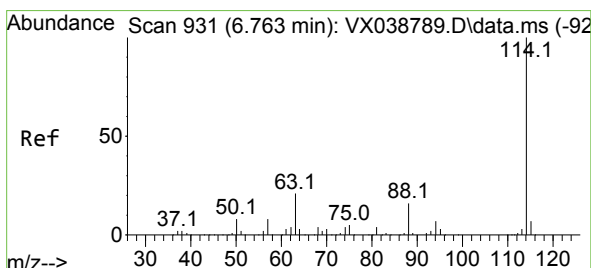
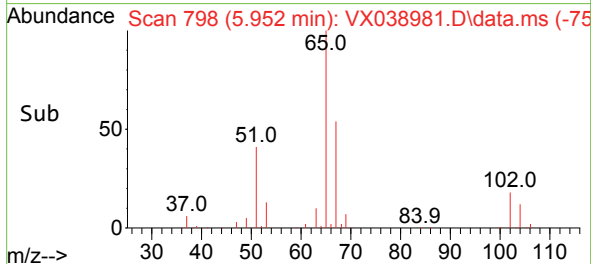
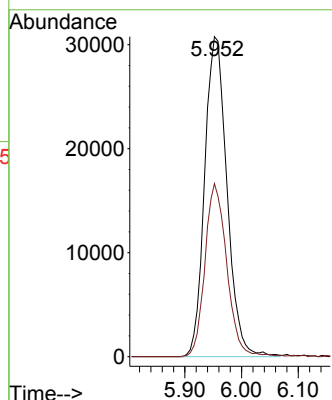
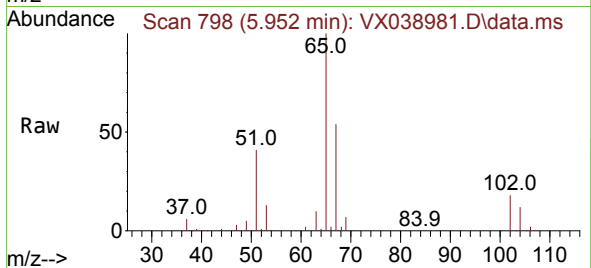
18BR-20231113DL

Tgt Ion: 65 Resp: 84180

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

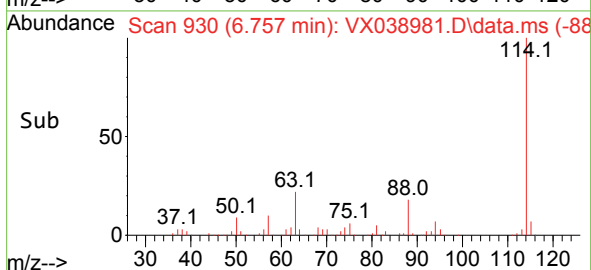
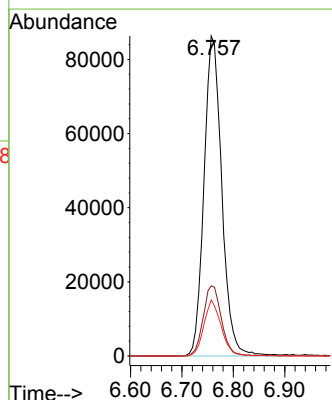
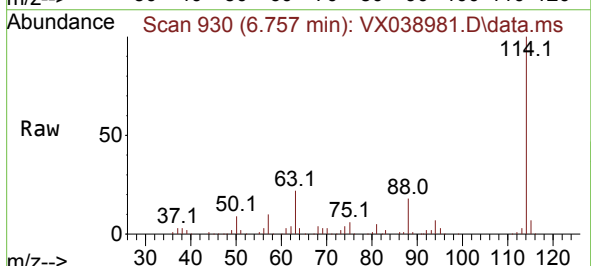
Tgt Ion: 114 Resp: 207493

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 17.5 0.0 36.6

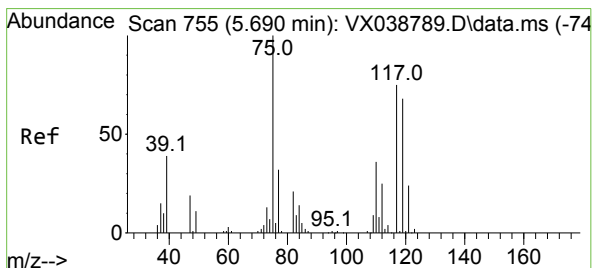
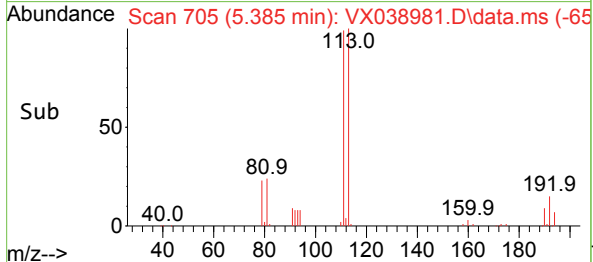
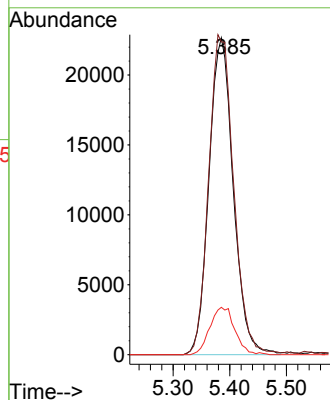
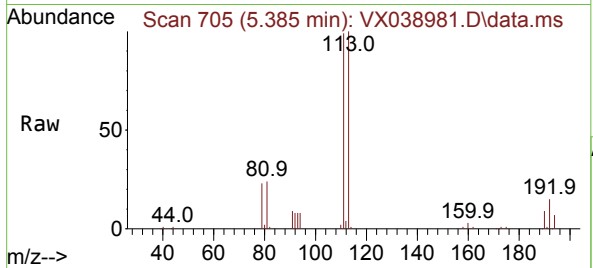




#35
Dibromofluoromethane
Concen: 45.017 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

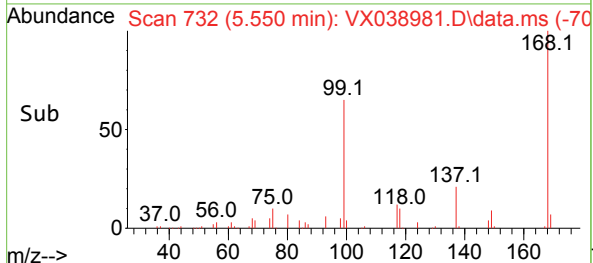
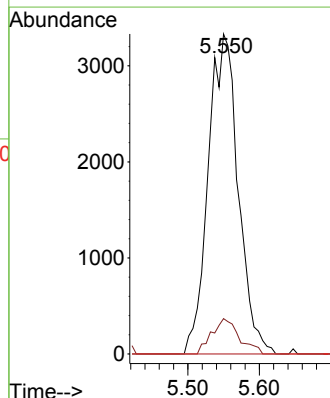
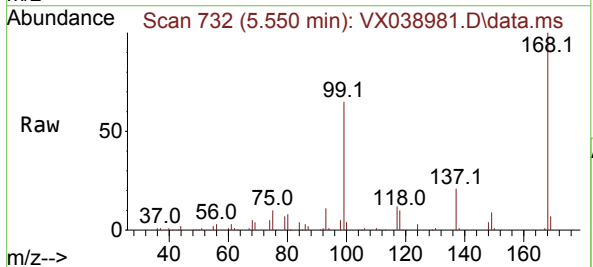
Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

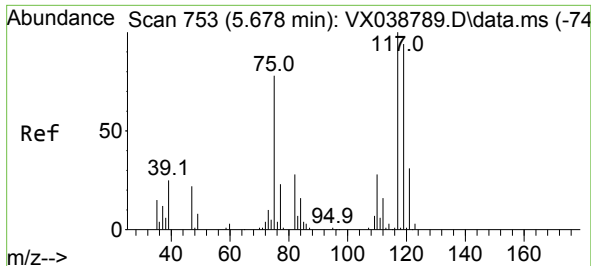
Tgt Ion:113 Resp: 67461
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 15.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

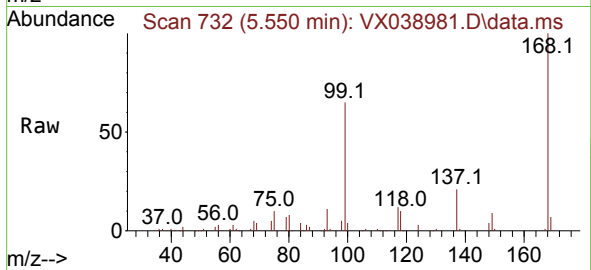
Tgt Ion: 75 Resp: 9710
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



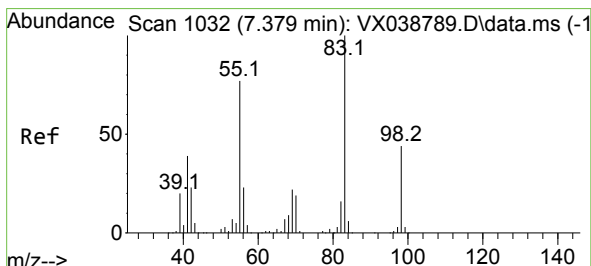
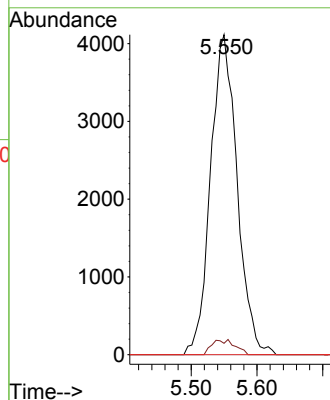
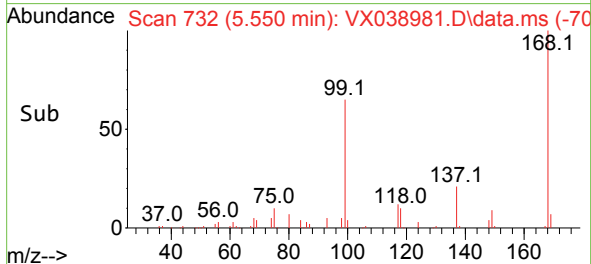


#38
Carbon Tetrachloride
Concen: 5.839 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

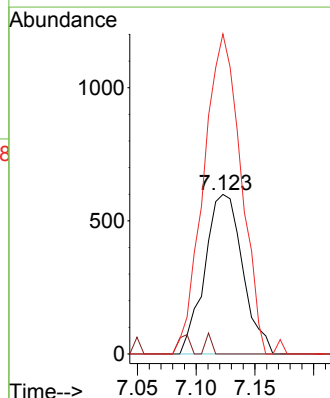
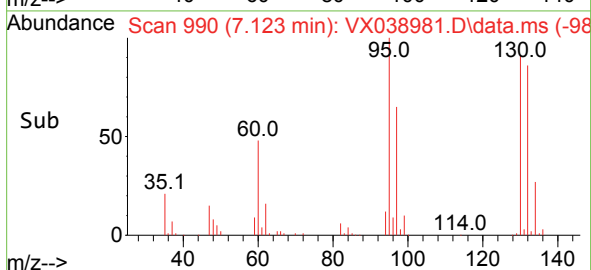
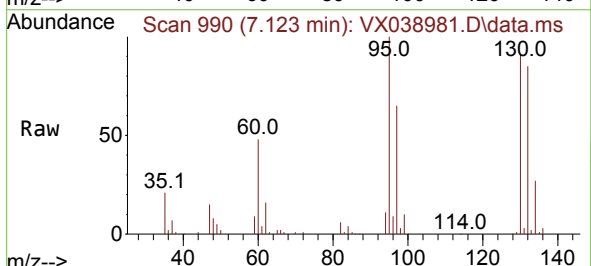


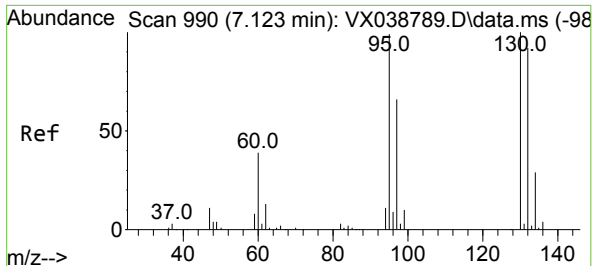
Tgt Ion:117 Resp: 11590
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.480 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Tgt Ion: 83 Resp: 1344
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 191.7 36.7 55.1#

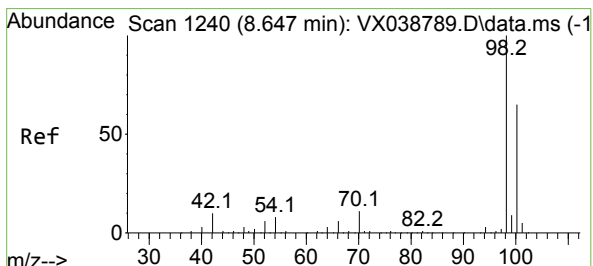
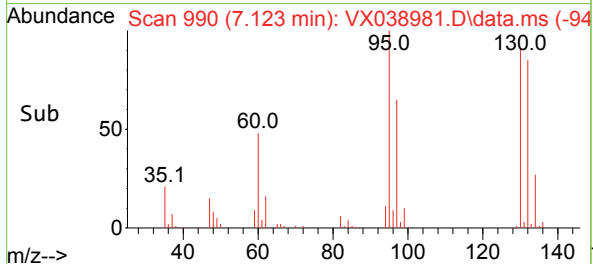
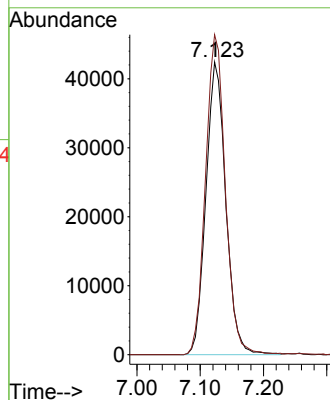
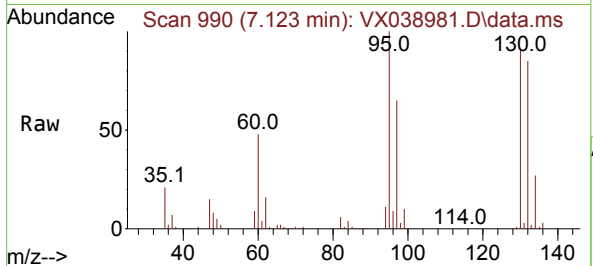




#44
Trichloroethene
Concen: 59.982 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

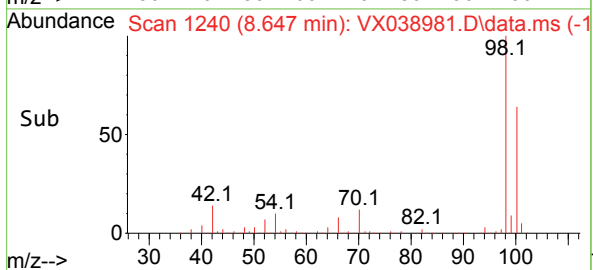
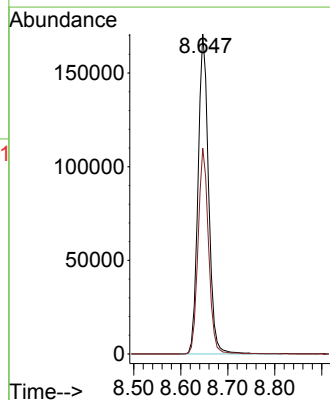
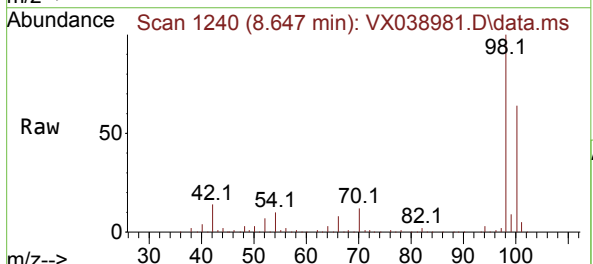
Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

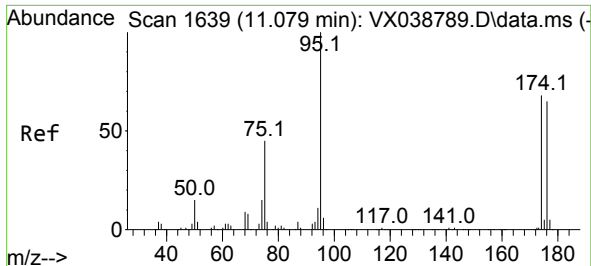
Tgt Ion:130 Resp: 92747
Ion Ratio Lower Upper
130 100
95 109.3 0.0 204.4



#50
Toluene-d8
Concen: 46.529 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Tgt Ion: 98 Resp: 266778
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

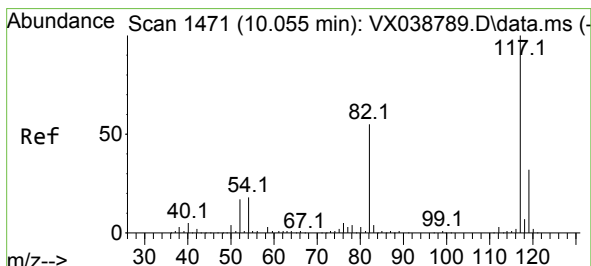
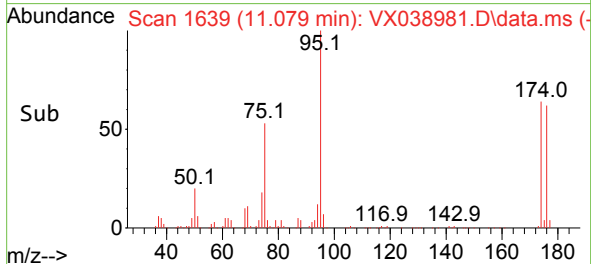
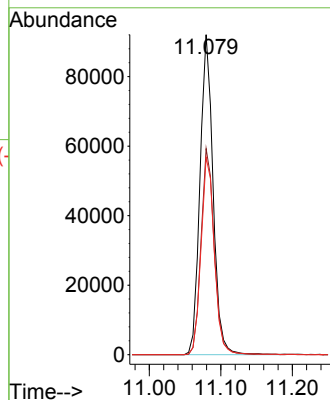
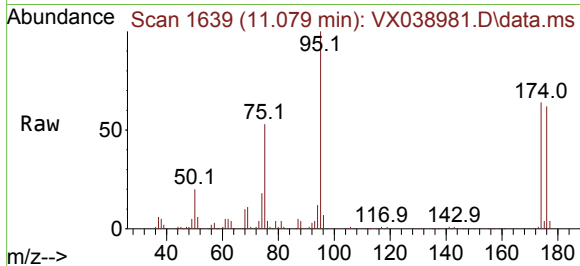




#62
4-Bromofluorobenzene
Concen: 50.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

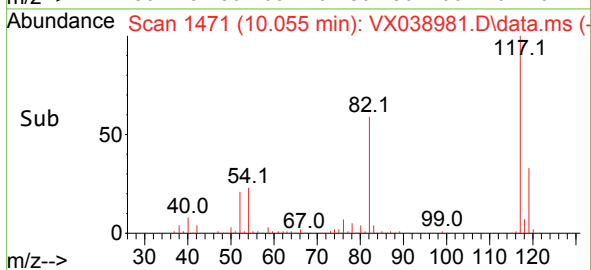
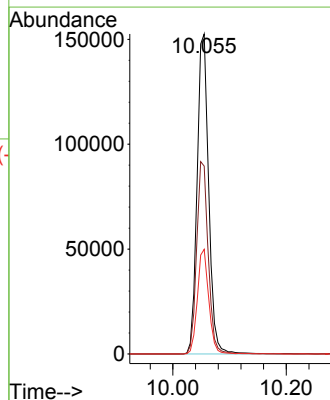
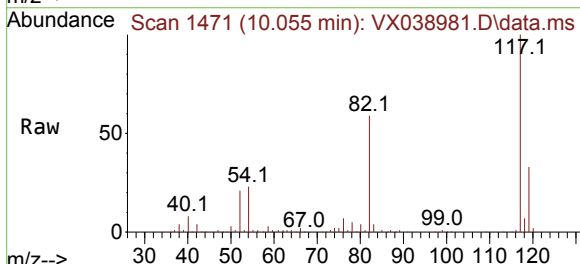
Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL

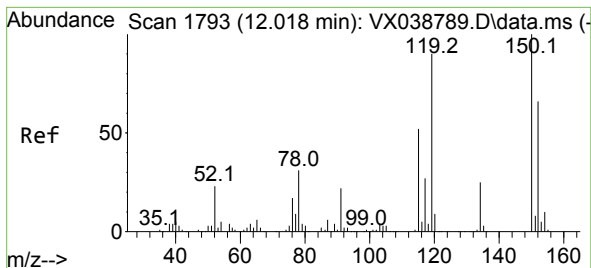
Tgt Ion: 95 Resp: 116702
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.6
176 62.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Tgt Ion: 117 Resp: 215488
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038981.D

Acq: 21 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

18BR-20231113DL

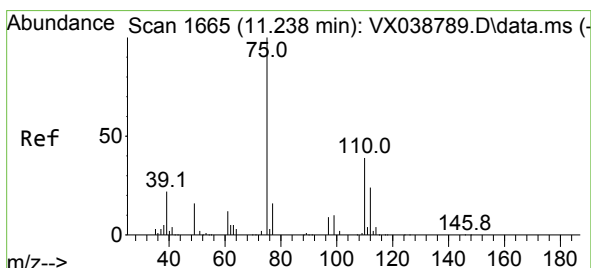
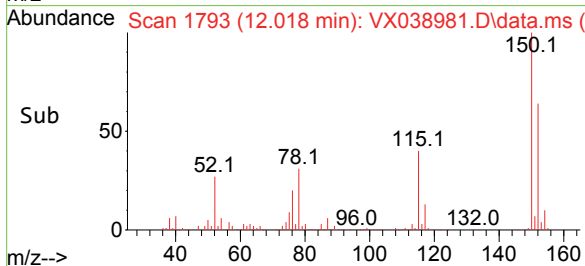
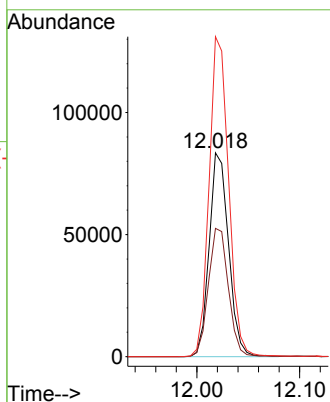
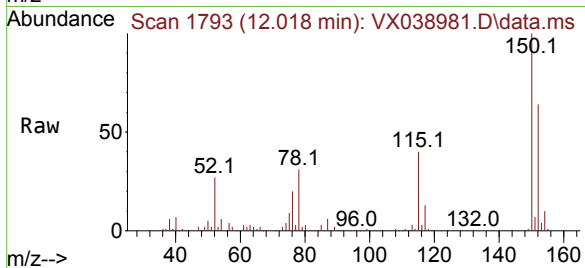
Tgt Ion:152 Resp: 109207

Ion Ratio Lower Upper

152 100

115 65.0 43.3 129.9

150 158.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.590 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038981.D

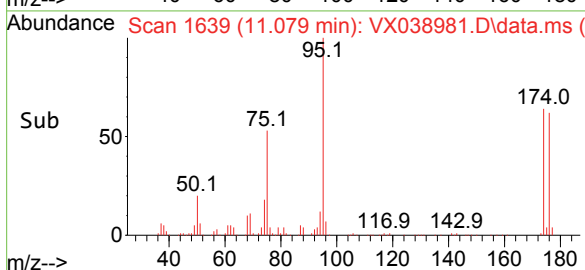
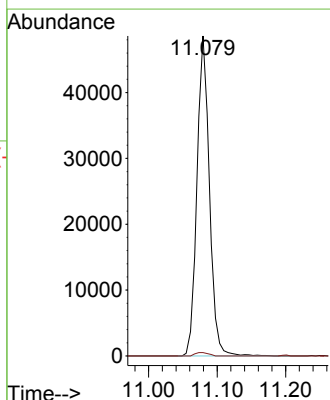
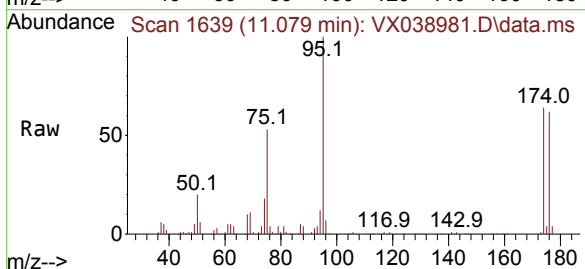
Acq: 21 Nov 2023 13:55

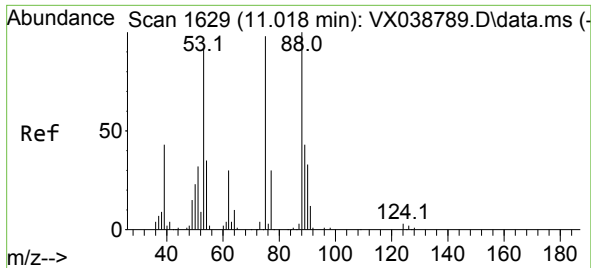
Tgt Ion: 75 Resp: 61552

Ion Ratio Lower Upper

75 100

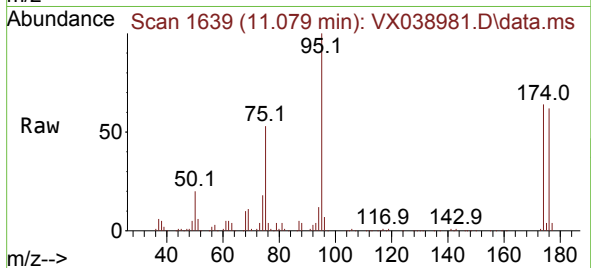
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 50.108 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038981.D
Acq: 21 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
18BR-20231113DL



Tgt Ion: 75 Resp: 61552
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

