

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038982.D
 Acq On : 21 Nov 2023 14:18
 Operator : JC/MD
 Sample : 05431-06DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20231113DL

Quant Time: Nov 22 03:20:02 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)

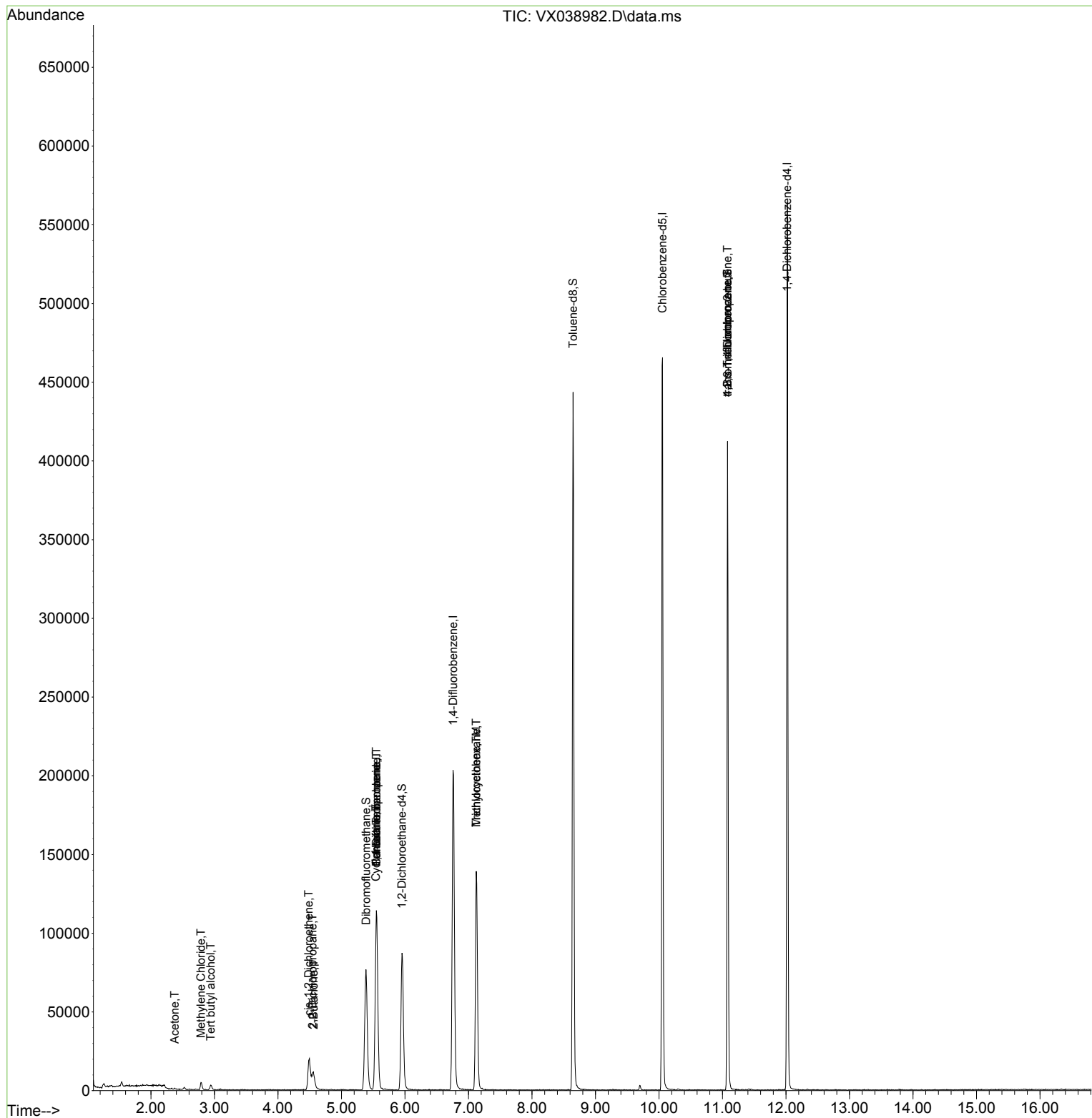
Internal Standards						
1) Pentafluorobenzene	5.550	168	99783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82439	51.273	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.540%
35) Dibromofluoromethane	5.385	113	66656	44.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.460%
50) Toluene-d8	8.647	98	262885	45.588	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.180%#
62) 4-Bromofluorobenzene	11.079	95	112166	48.590	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1743	3.898	ug/l #	93
16) Acetone	2.374	43	814	0.951	ug/l #	76
20) Methylene Chloride	2.788	84	2172	1.408	ug/l	90
25) 2-Butanone	4.562	43	927	0.668	ug/l #	51
26) 2,2-Dichloropropane	4.544	77	1064	0.480	ug/l #	54
27) cis-1,2-Dichloroethene	4.483	96	12931	8.084	ug/l	84
31) Cyclohexane	5.544	56	2727	1.188	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	9684	4.483	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11242	5.631	ug/l #	14
39) Methylcyclohexane	7.123	83	820	0.291	ug/l #	1
44) Trichloroethene	7.123	130	51085	32.849	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	61212	23.018	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61212	51.056	ug/l #	5

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

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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
Response via : Initial Calibration

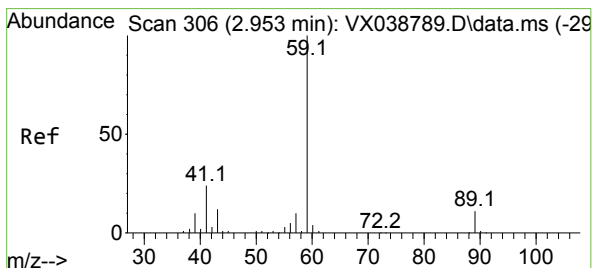
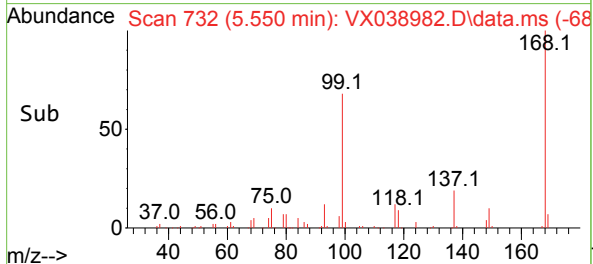
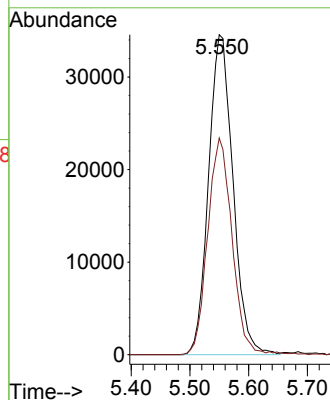
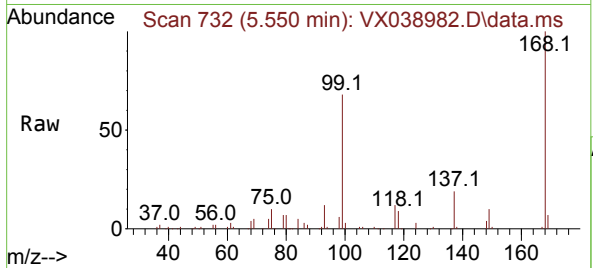




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

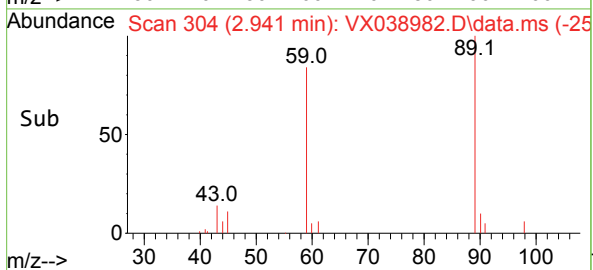
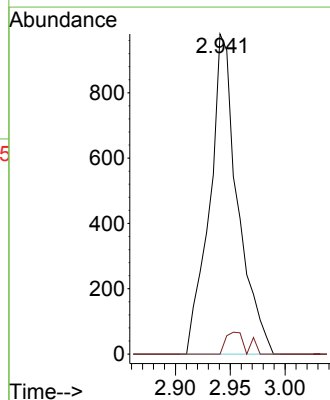
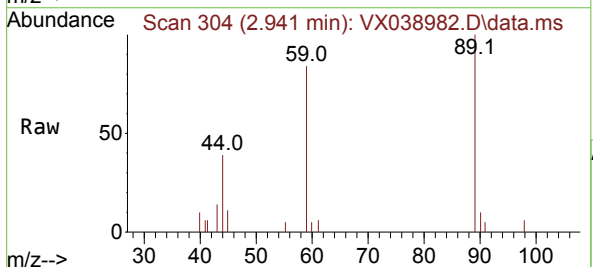
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113DL

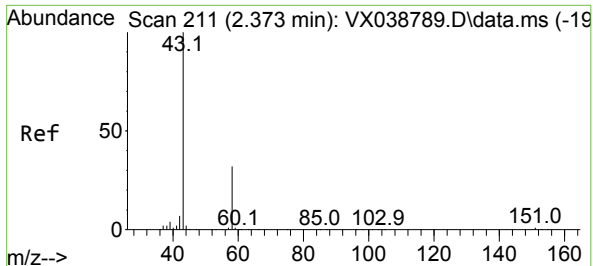
Tgt Ion:168 Resp: 99783
Ion Ratio Lower Upper
168 100
99 67.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.898 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Tgt Ion: 59 Resp: 1743
Ion Ratio Lower Upper
59 100
57 5.0 6.0 9.0#

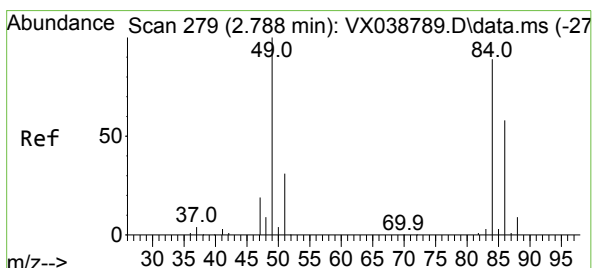
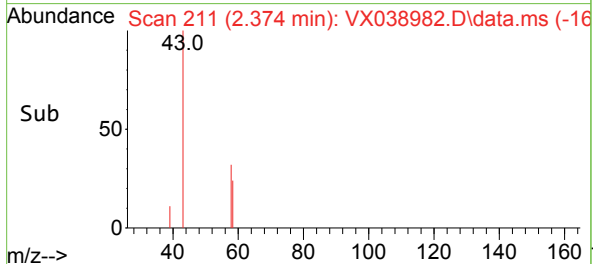
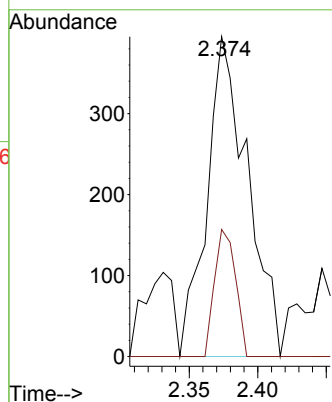
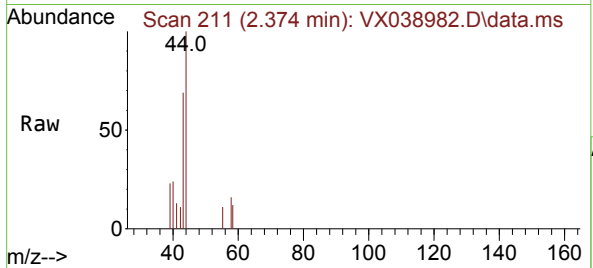




#16
Acetone
Concen: 0.951 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

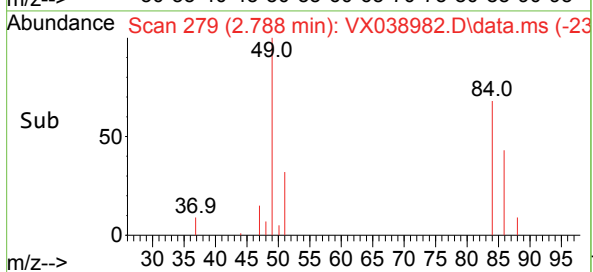
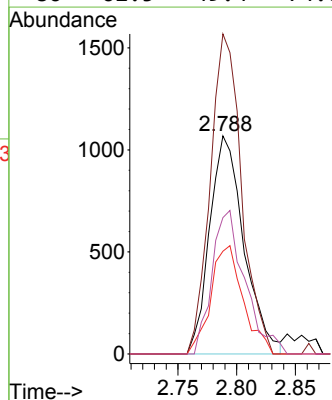
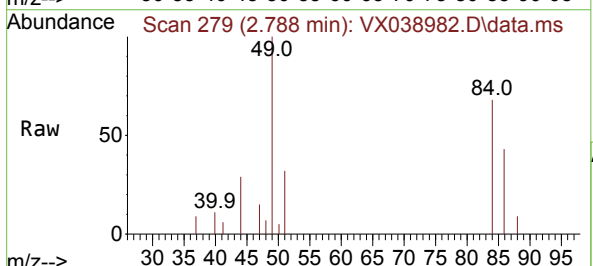
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113DL

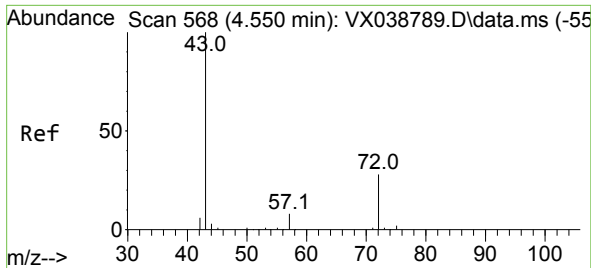
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 39.7 21.9 32.9#



#20
Methylene Chloride
Concen: 1.408 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Tgt Ion: 84 Resp: 2172
Ion Ratio Lower Upper
84 100
49 146.7 103.6 155.4
51 47.1 33.8 50.6
86 62.5 49.4 74.0





#25

2-Butanone

Concen: 0.668 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX038982.D

Acq: 21 Nov 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

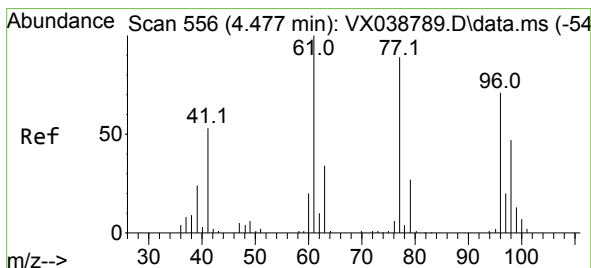
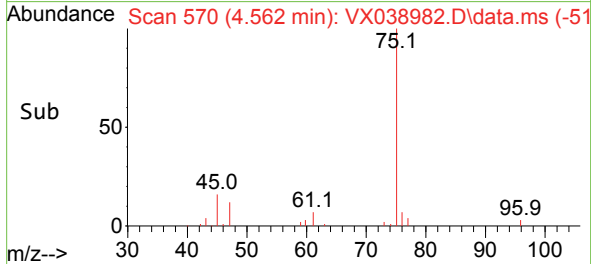
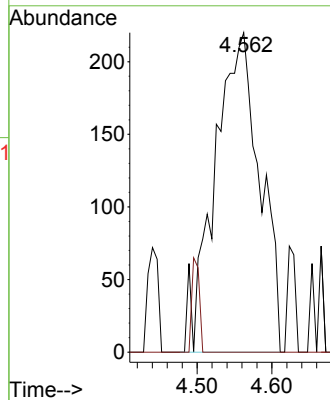
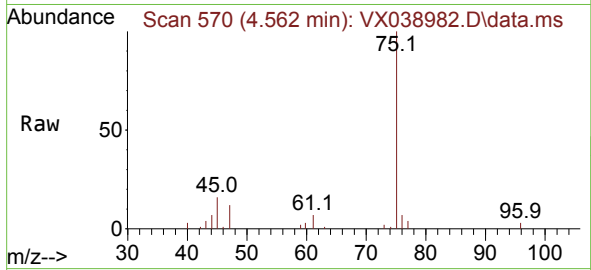
45BR-20231113DL

Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.480 ug/l

RT: 4.544 min Scan# 567

Delta R.T. 0.067 min

Lab File: VX038982.D

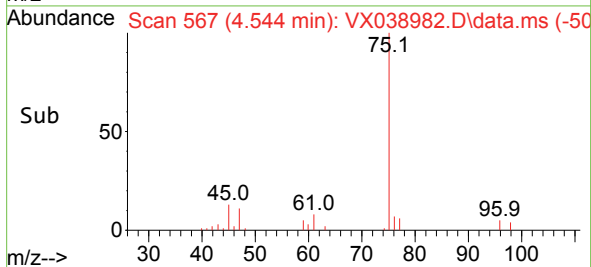
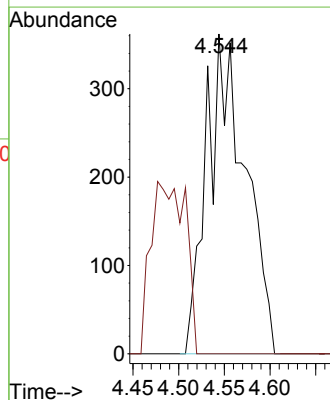
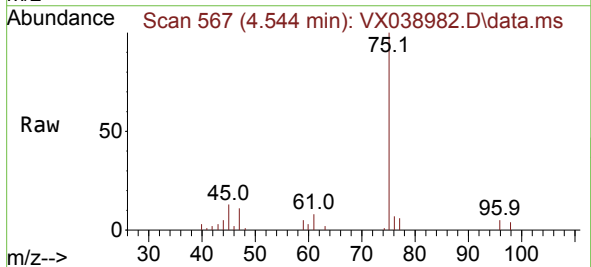
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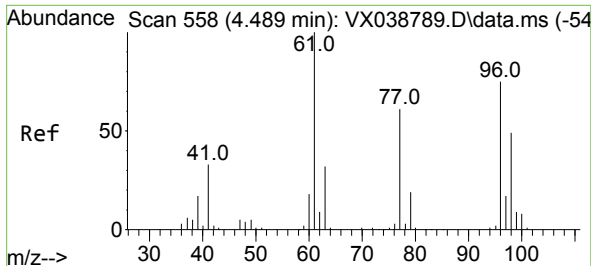
Tgt Ion: 77 Resp: 1064

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 8.084 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX038982.D

Acq: 21 Nov 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

45BR-20231113DL

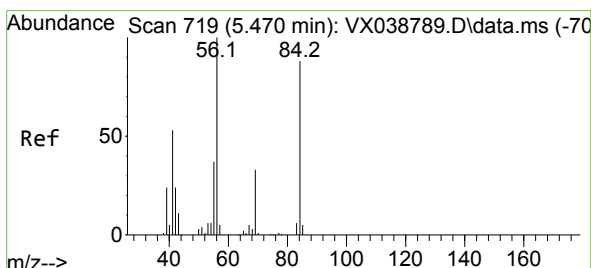
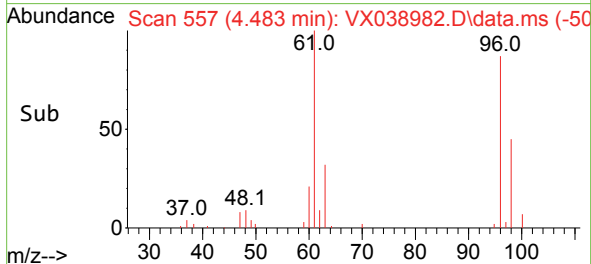
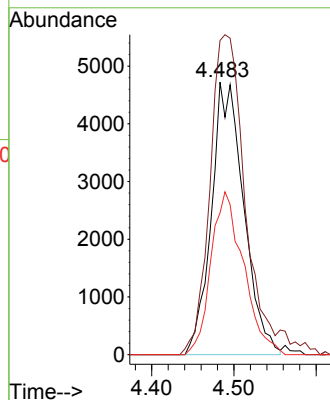
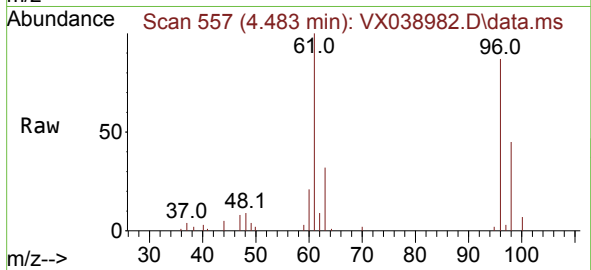
Tgt Ion: 96 Resp: 12931

Ion Ratio Lower Upper

96 100

61 130.4 0.0 312.2

98 60.0 0.0 129.0



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX038982.D

Acq: 21 Nov 2023 14:18

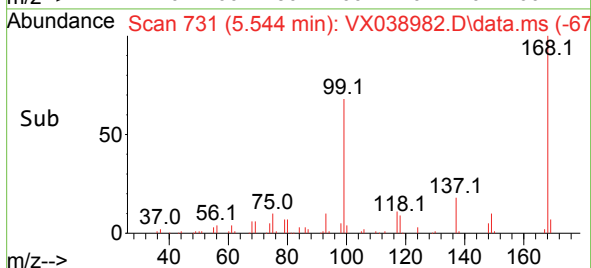
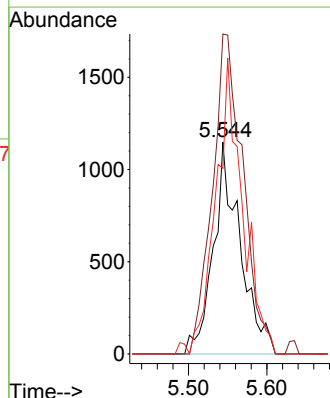
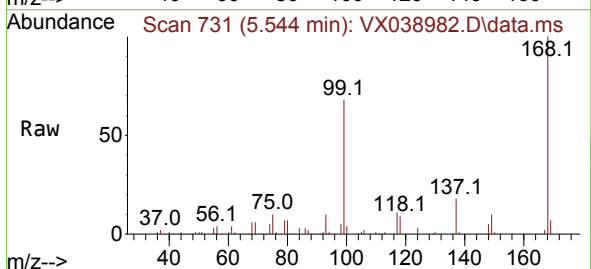
Tgt Ion: 56 Resp: 2727

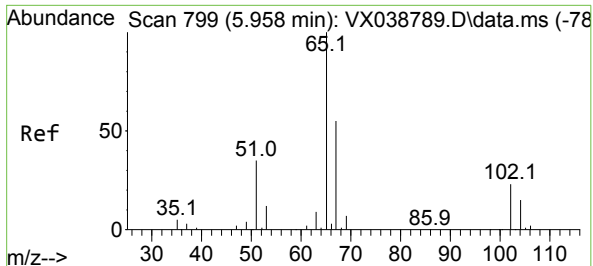
Ion Ratio Lower Upper

56 100

69 151.0 23.4 35.2#

84 87.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.273 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038982.D

Acq: 21 Nov 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

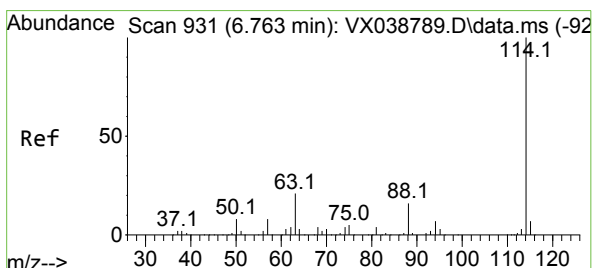
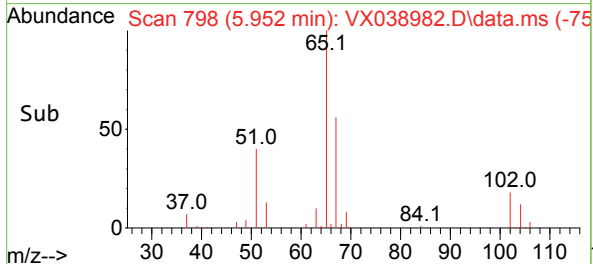
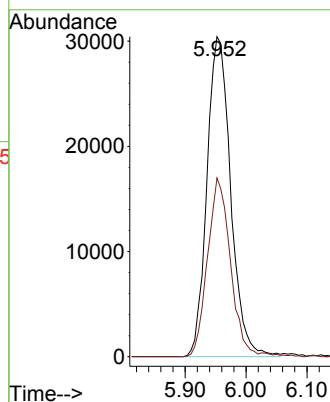
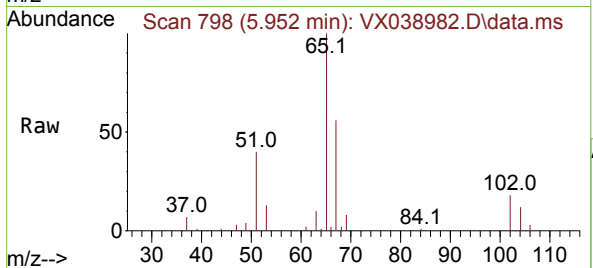
45BR-20231113DL

Tgt Ion: 65 Resp: 82439

Ion Ratio Lower Upper

65 100

67 54.3 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: VX038982.D

Acq: 21 Nov 2023 14:18

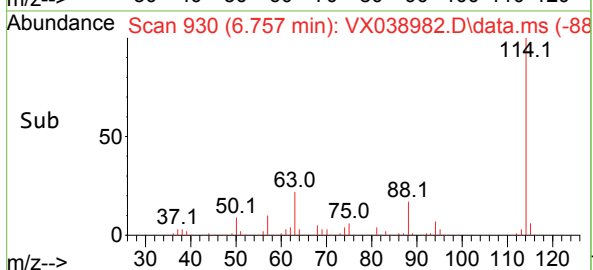
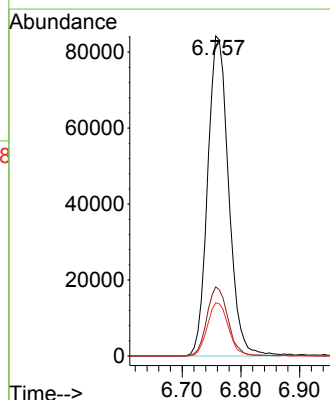
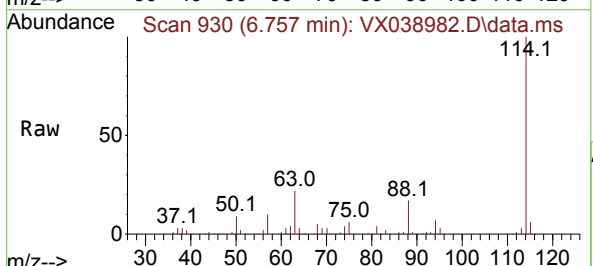
Tgt Ion:114 Resp: 208687

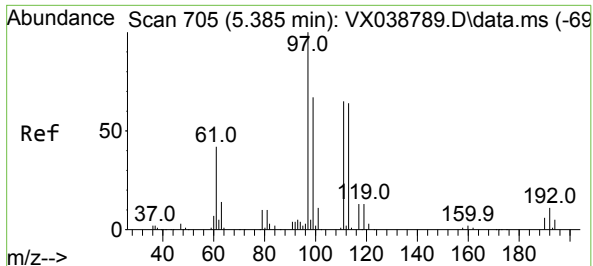
Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.0

88 16.6 0.0 36.6

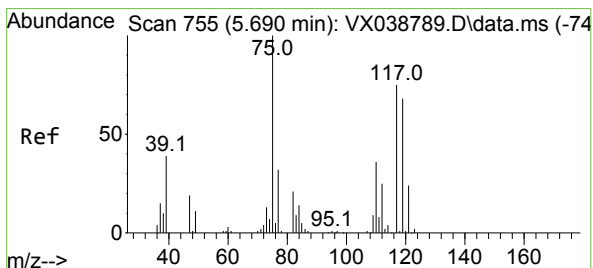
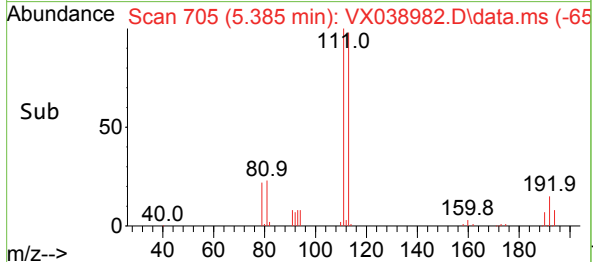
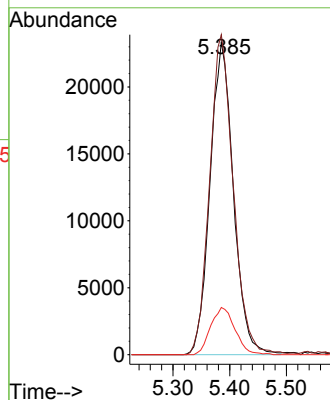
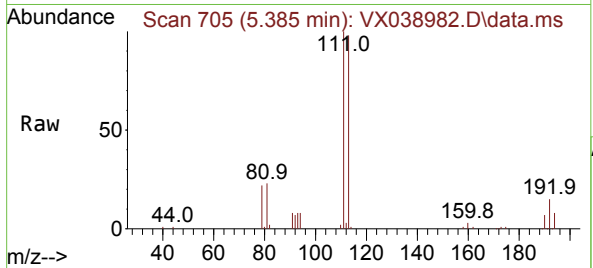




#35
Dibromofluoromethane
Concen: 44.225 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

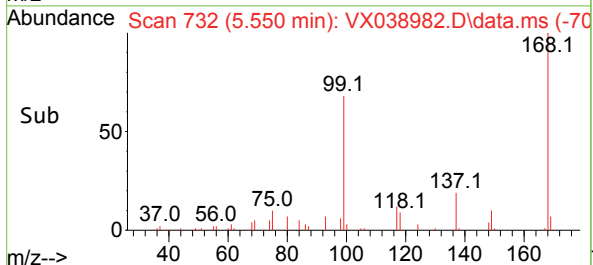
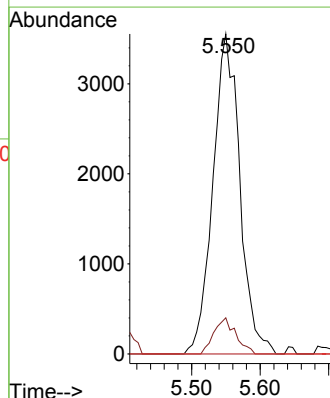
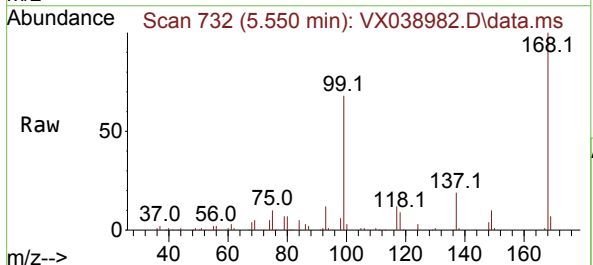
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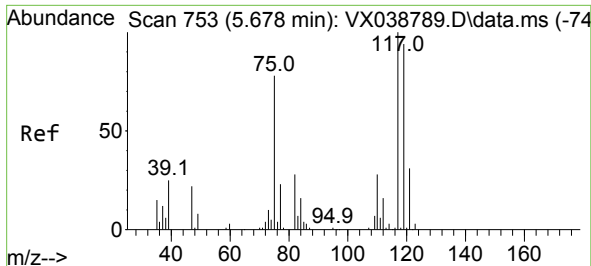
Tgt Ion:113 Resp: 66656
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

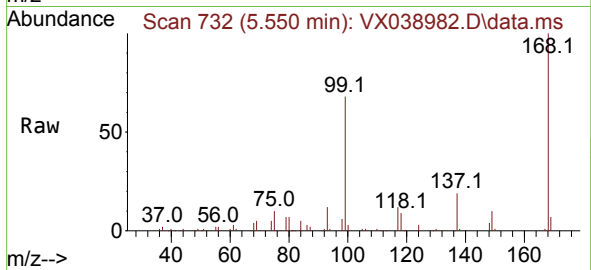
Tgt Ion: 75 Resp: 9684
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



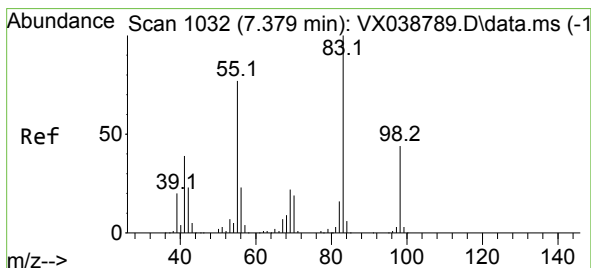
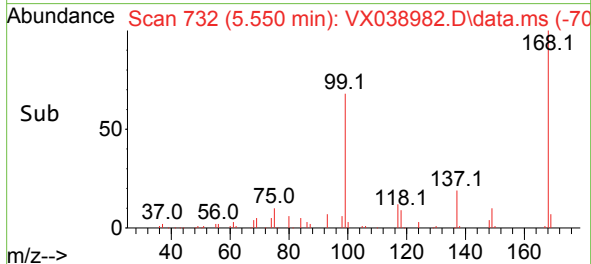
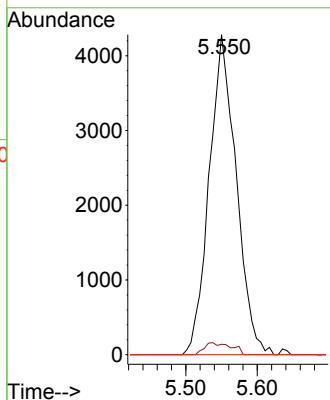


#38
Carbon Tetrachloride
Concen: 5.631 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113DL

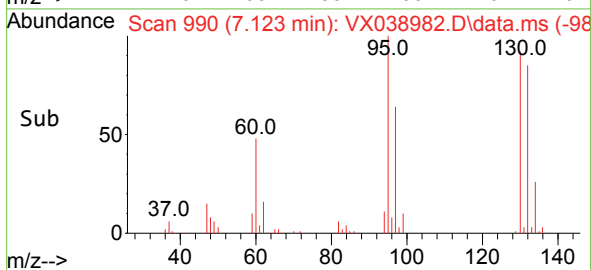
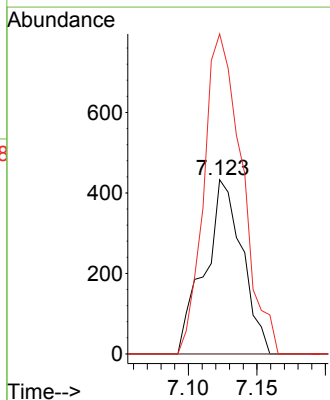
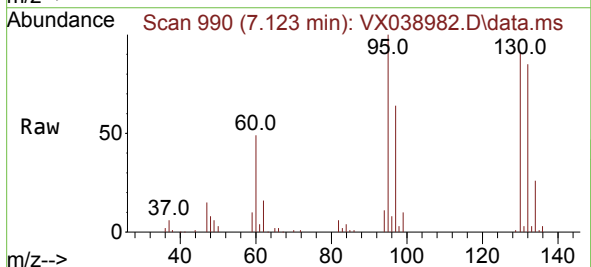


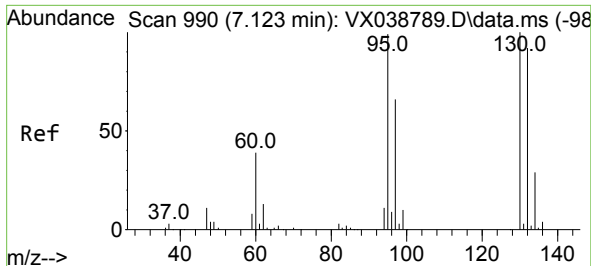
Tgt Ion:117 Resp: 11242
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.291 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Tgt Ion: 83 Resp: 820
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 183.6 36.7 55.1#

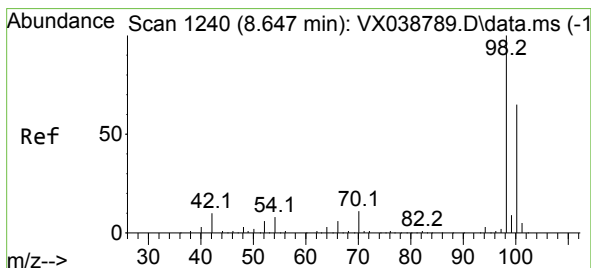
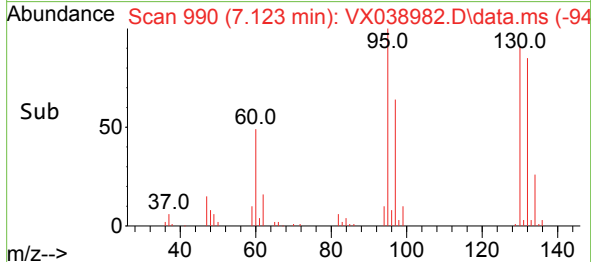
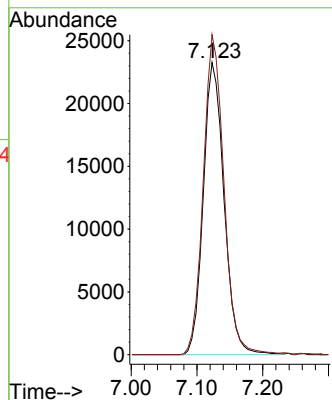
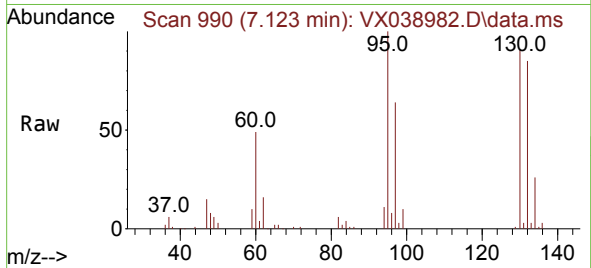




#44
Trichloroethene
Concen: 32.849 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

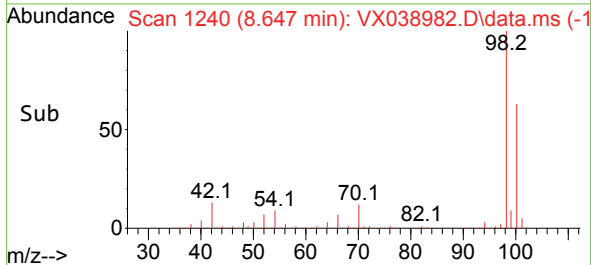
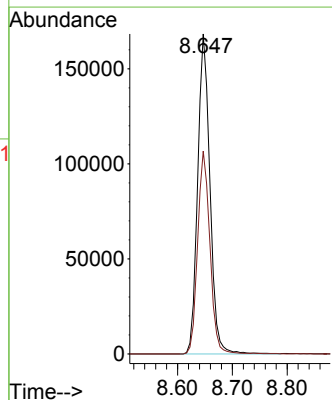
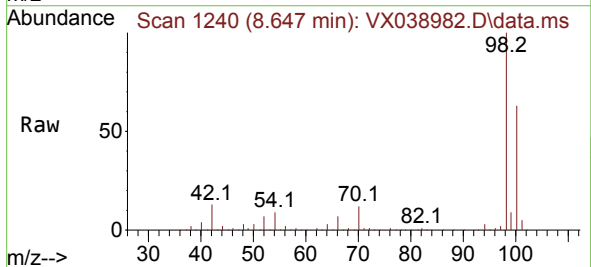
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113DL

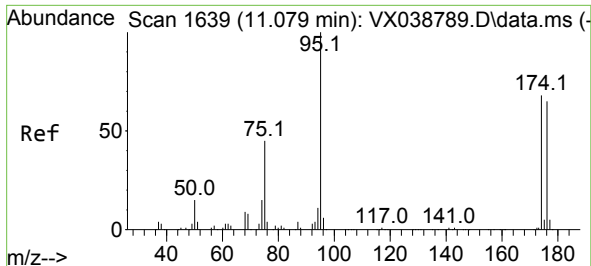
Tgt Ion:130 Resp: 51085
Ion Ratio Lower Upper
130 100
95 109.5 0.0 204.4



#50
Toluene-d8
Concen: 45.588 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Tgt Ion: 98 Resp: 262885
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

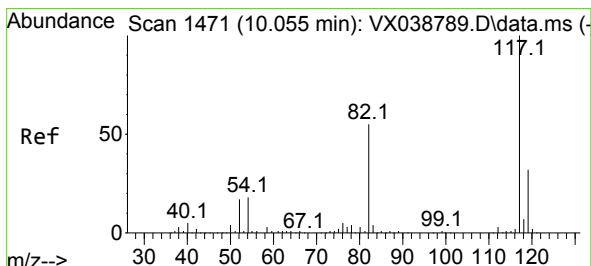
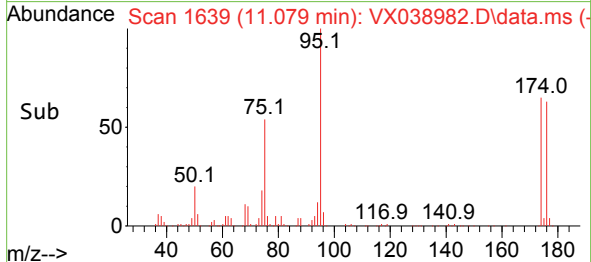
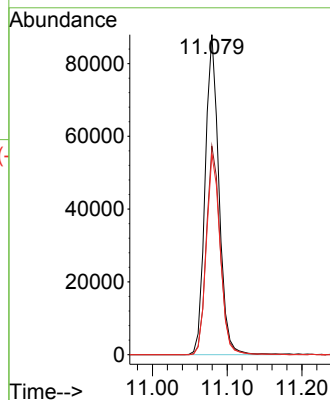
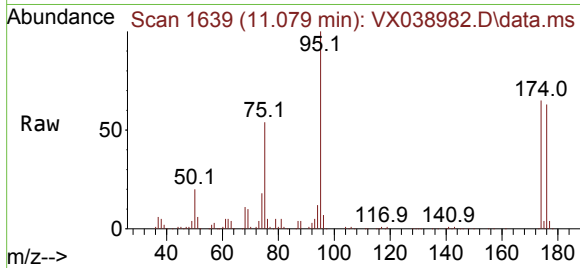




#62
4-Bromofluorobenzene
Concen: 48.590 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

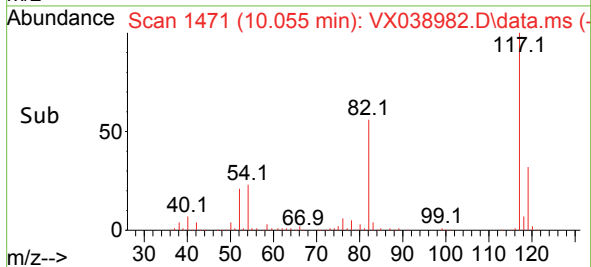
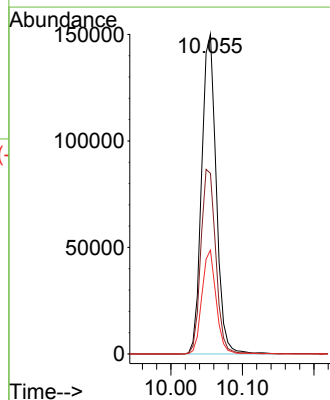
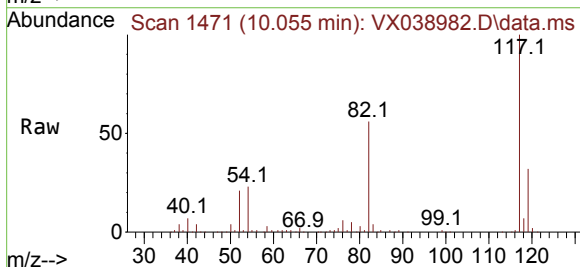
Instrument :
MSVOA_X
ClientSampleId :
45BR-20231113DL

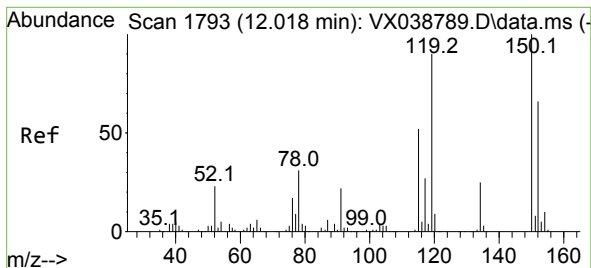
Tgt Ion: 95 Resp: 112166
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 63.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038982.D
Acq: 21 Nov 2023 14:18

Tgt Ion: 117 Resp: 213083
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038982.D

Acq: 21 Nov 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

45BR-20231113DL

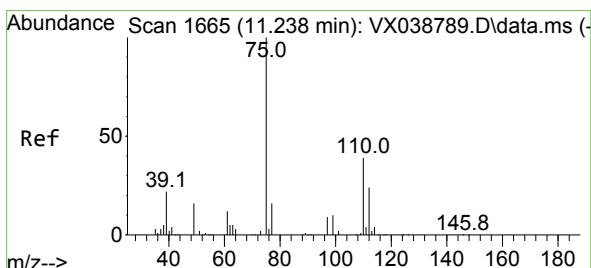
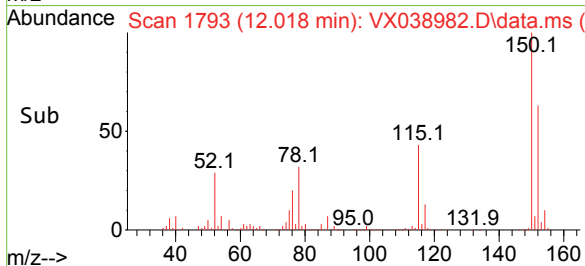
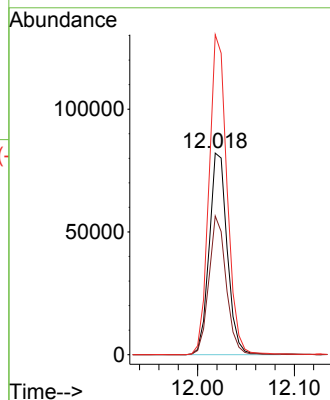
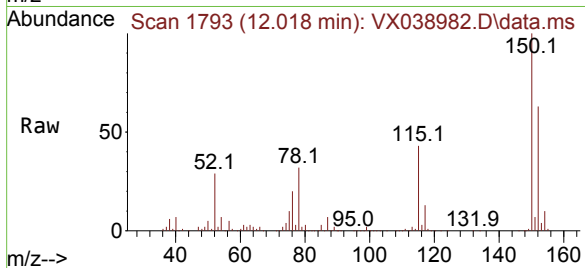
Tgt Ion:152 Resp: 106586

Ion Ratio Lower Upper

152 100

115 66.2 43.3 129.9

150 158.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.018 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038982.D

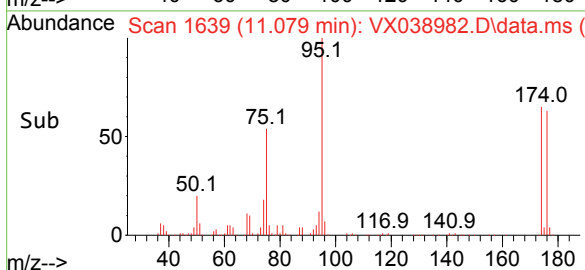
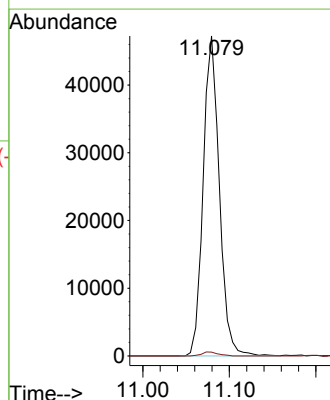
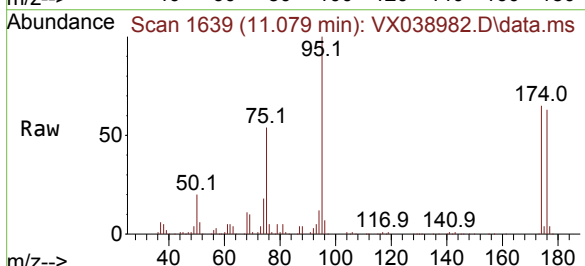
Acq: 21 Nov 2023 14:18

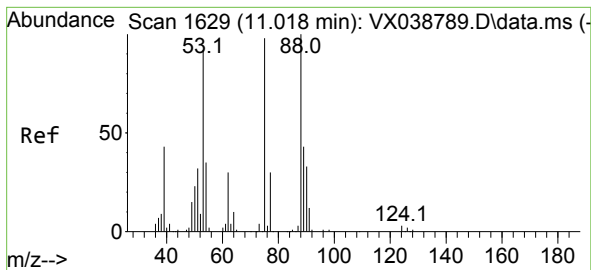
Tgt Ion: 75 Resp: 61212

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.056 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038982.D
 Acq: 21 Nov 2023 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 45BR-20231113DL

Tgt Ion: 75 Resp: 61212
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

