

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020124\
 Data File : VX040068.D
 Acq On : 01 Feb 2024 14:01
 Operator : JC/MD
 Sample : P1325-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-013124

Quant Time: Feb 02 01:40:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

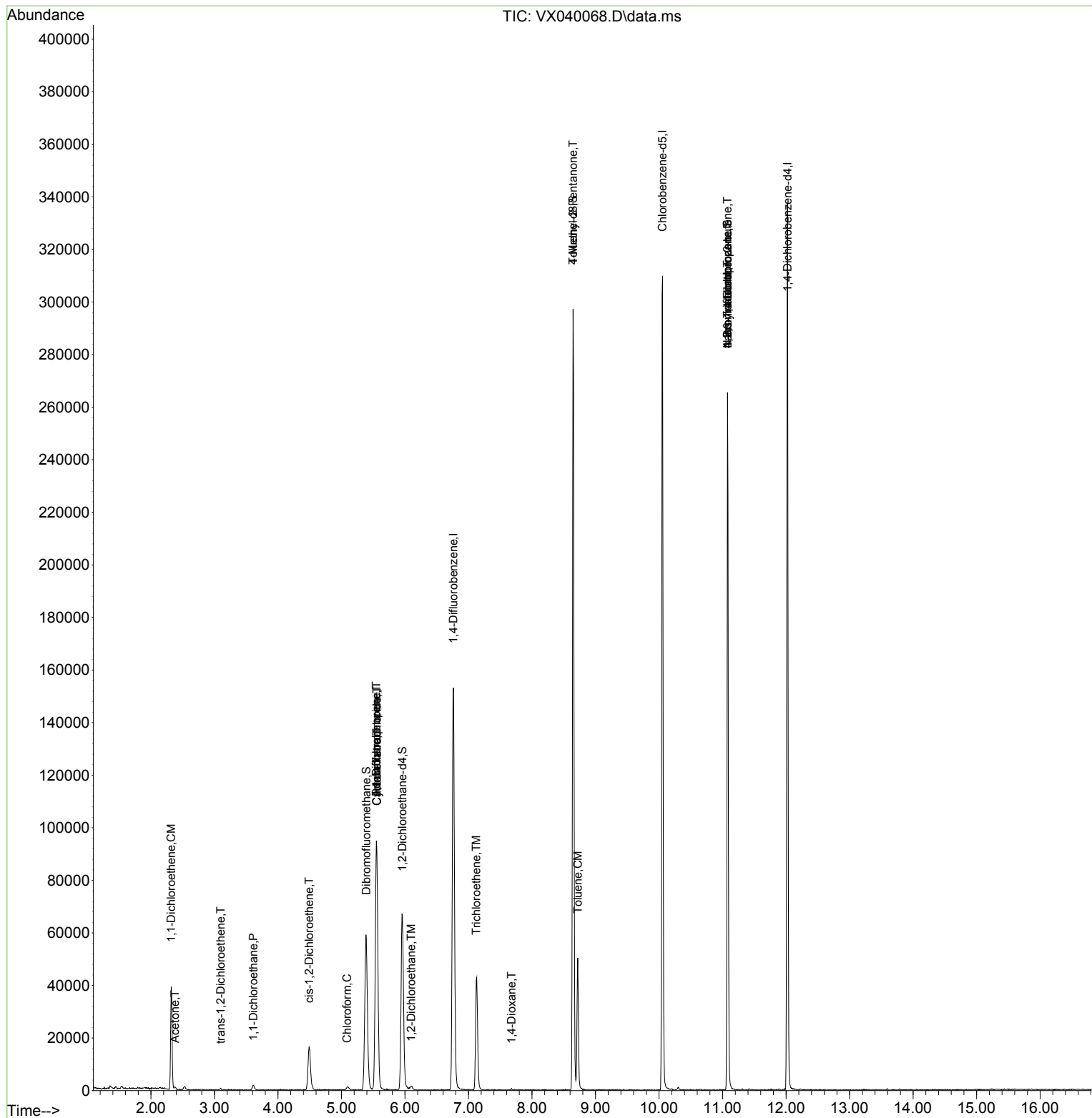
Internal Standards						
1) Pentafluorobenzene	5.550	168	84992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	152408	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65263	47.712	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.420%
35) Dibromofluoromethane	5.391	113	51335	49.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.960%
50) Toluene-d8	8.647	98	174103	44.873	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.740%#
62) 4-Bromofluorobenzene	11.079	95	69956	46.825	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.318	96	12090	12.647	ug/l	96
16) Acetone	2.379	43	1257	1.961	ug/l #	78
21) trans-1,2-Dichloroethene	3.099	96	285	0.271	ug/l #	60
24) 1,1-Dichloroethane	3.611	63	2551	1.334	ug/l #	94
27) cis-1,2-Dichloroethene	4.489	96	10104	8.601	ug/l	86
30) Chloroform	5.086	83	1447	0.705	ug/l	95
31) Cyclohexane	5.556	56	2341	1.366	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	7567	5.043	ug/l #	52
38) Carbon Tetrachloride	5.556	117	9402	6.549	ug/l #	17
42) 1,2-Dichloroethane	6.098	62	1783	1.060	ug/l #	77
44) Trichloroethene	7.122	130	15504	13.481	ug/l	94
49) 1,4-Dioxane	7.677	88	95	3.434	ug/l #	94
51) 4-Methyl-2-Pentanone	8.647	43	784	0.444	ug/l #	1
52) Toluene	8.720	92	18212	6.686	ug/l	94
74) N-amyl acetate	11.079	43	40	0.216	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	38770	26.097	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38770	76.625	ug/l #	5

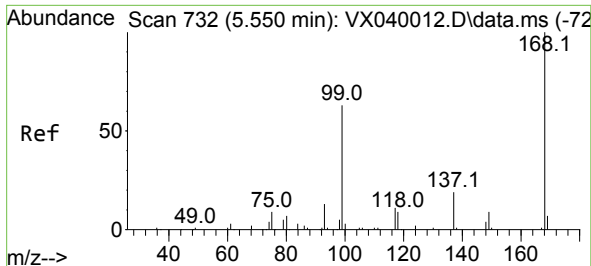
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

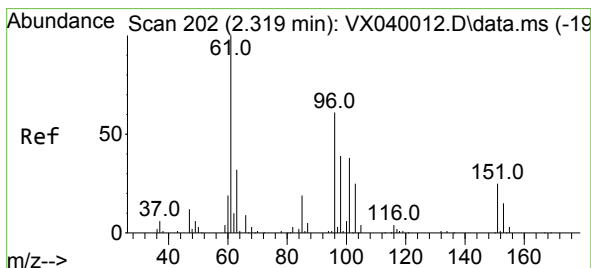
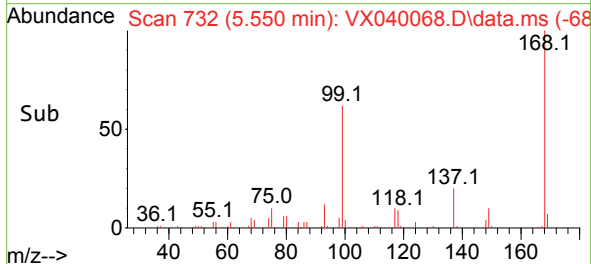
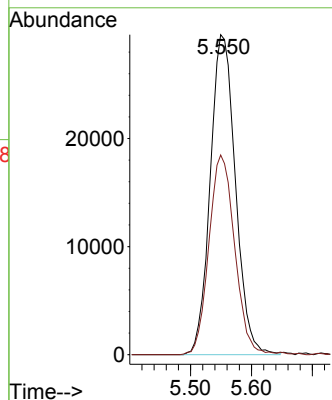
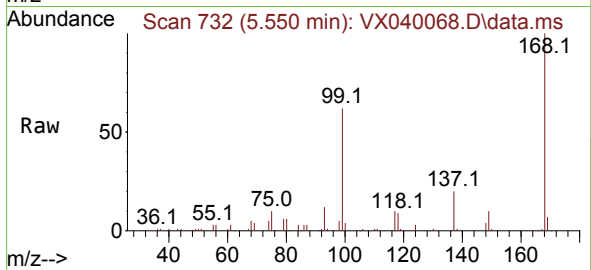




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

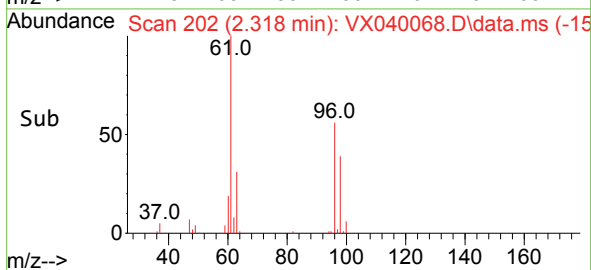
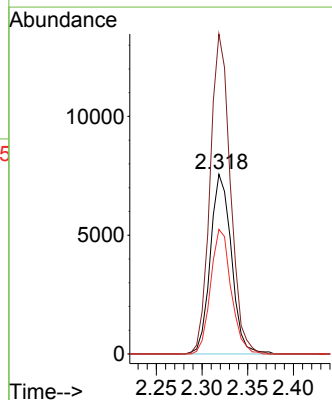
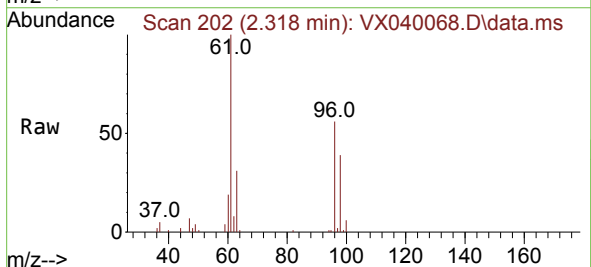
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

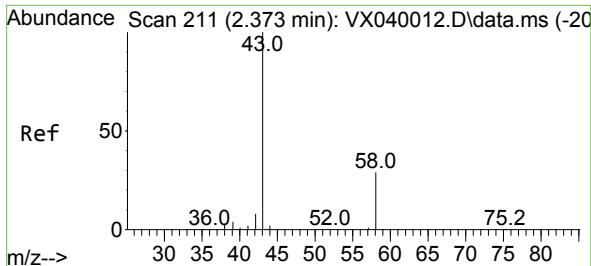
Tgt Ion:168 Resp: 84992
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#12
1,1-Dichloroethene
Concen: 12.647 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 96 Resp: 12090
Ion Ratio Lower Upper
96 100
61 178.0 144.6 216.8
98 69.3 50.4 75.6

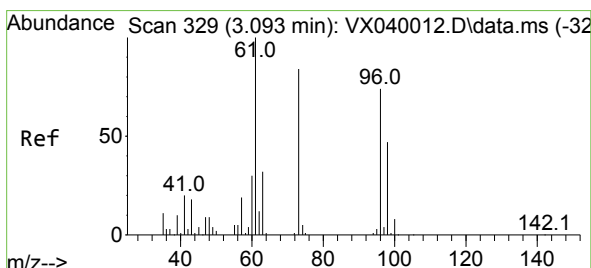
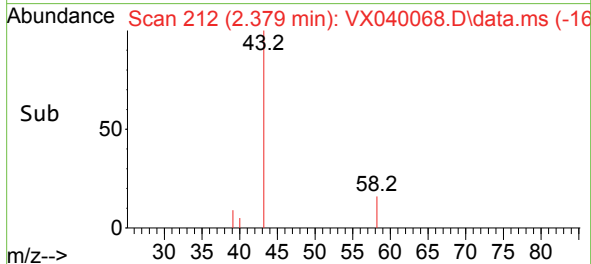
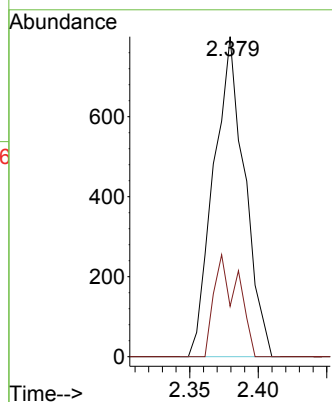
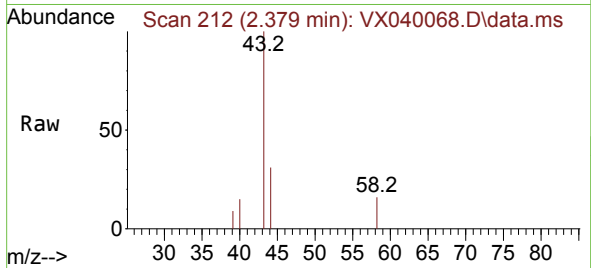




#16
Acetone
Concen: 1.961 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

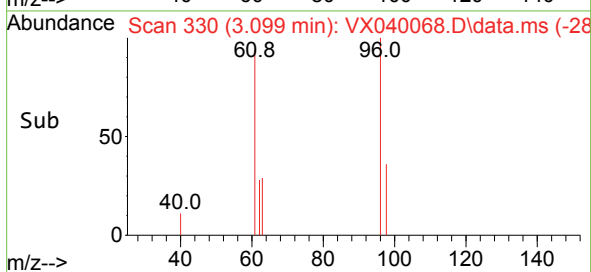
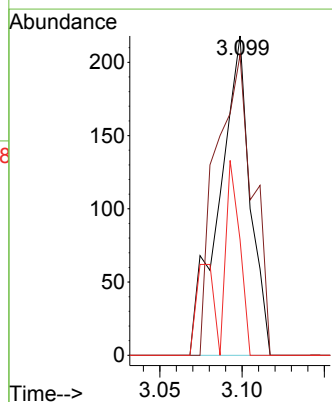
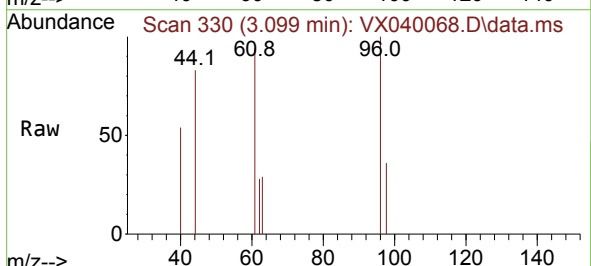
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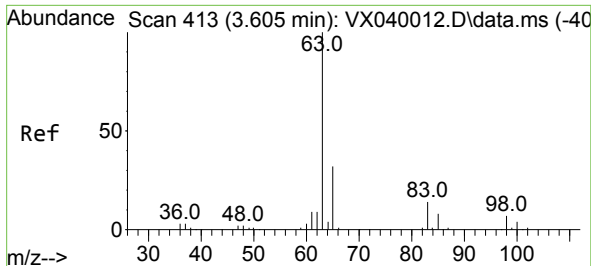
Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
58 15.8 21.9 32.9#



#21
trans-1,2-Dichloroethene
Concen: 0.271 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 96 Resp: 285
Ion Ratio Lower Upper
96 100
61 94.0 119.2 178.8#
98 36.2 48.7 73.1#





#24

1,1-Dichloroethane

Concen: 1.334 ug/l

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX040068.D

Acq: 01 Feb 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

BR-04DR-451-013124

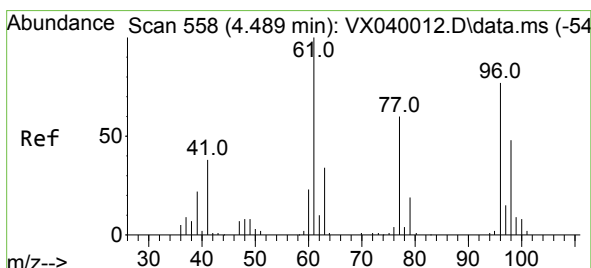
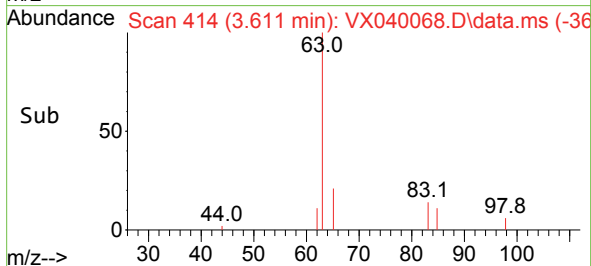
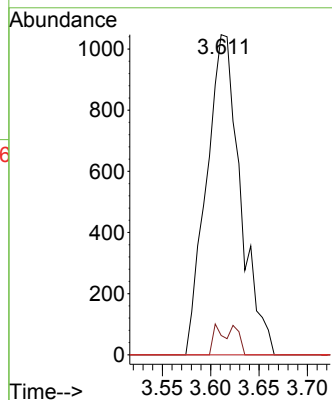
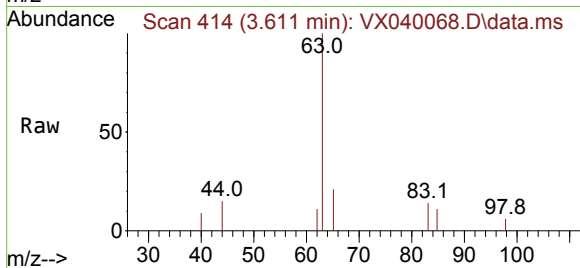
Tgt Ion: 63 Resp: 2551

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 0.0 2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 8.601 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX040068.D

Acq: 01 Feb 2024 14:01

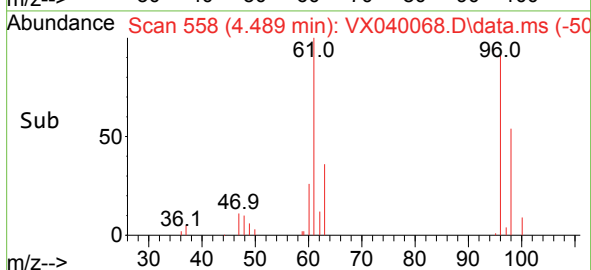
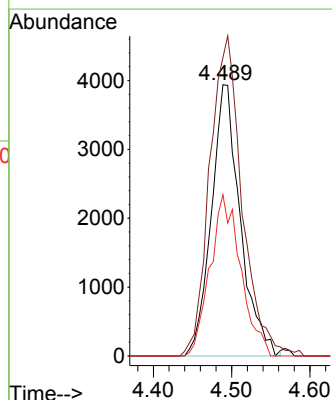
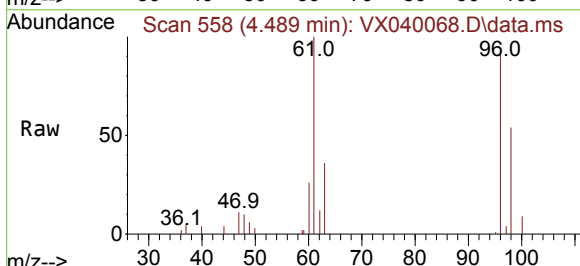
Tgt Ion: 96 Resp: 10104

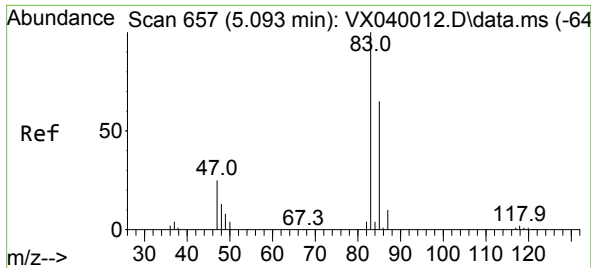
Ion Ratio Lower Upper

96 100

61 131.7 0.0 312.2

98 63.0 0.0 129.0

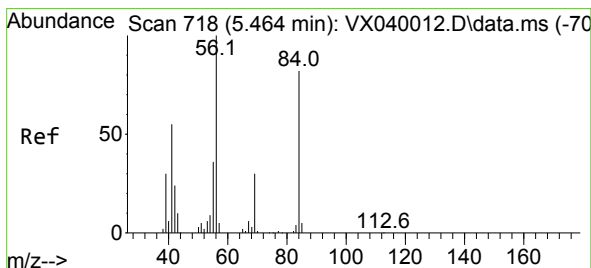
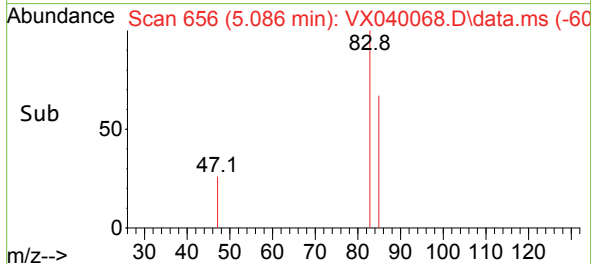
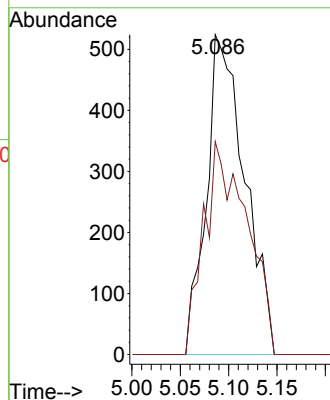
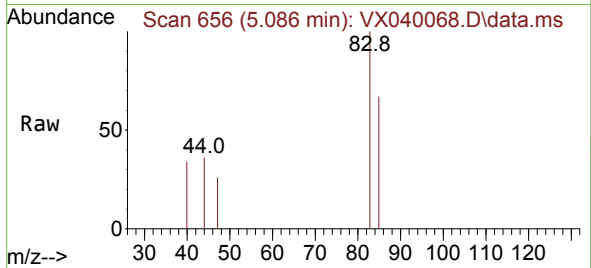




#30
Chloroform
Concen: 0.705 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

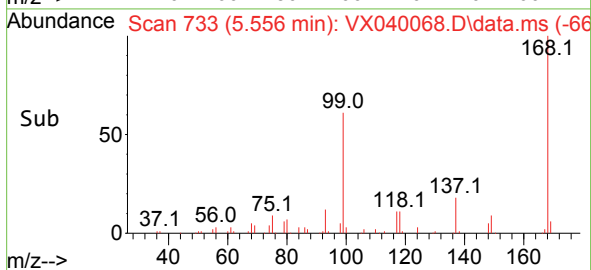
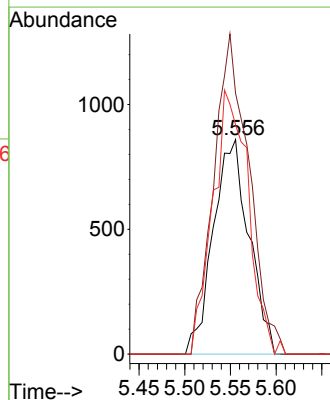
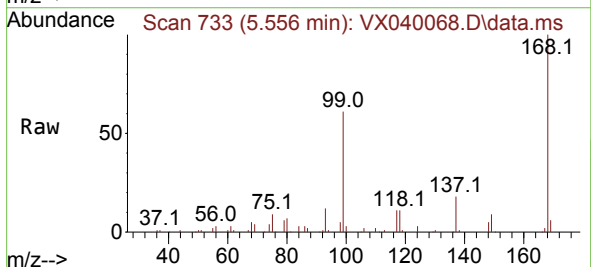
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

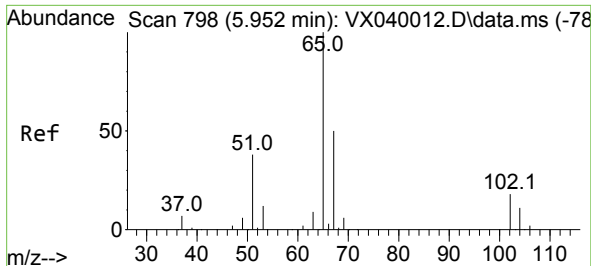
Tgt Ion: 83 Resp: 1447
Ion Ratio Lower Upper
83 100
85 66.6 50.3 75.5



#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 56 Resp: 2341
Ion Ratio Lower Upper
56 100
69 121.5 23.4 35.2#
84 106.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.712 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040068.D

Acq: 01 Feb 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

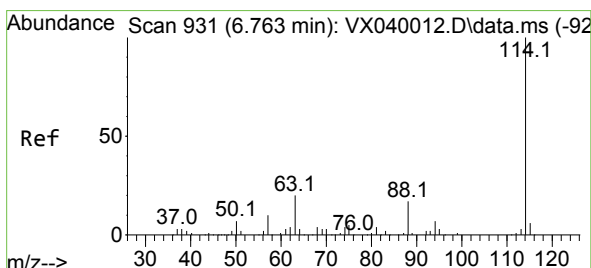
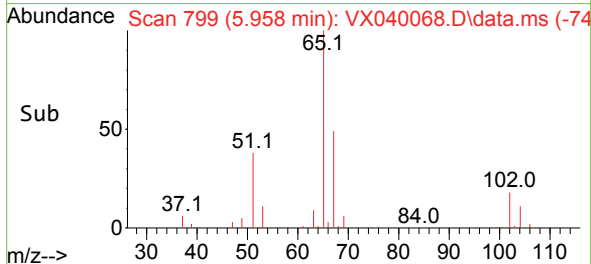
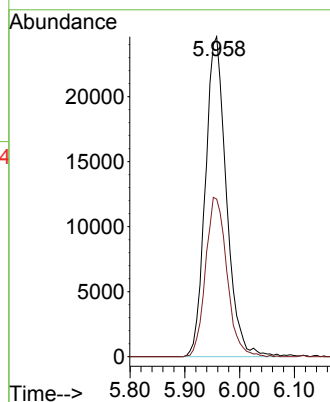
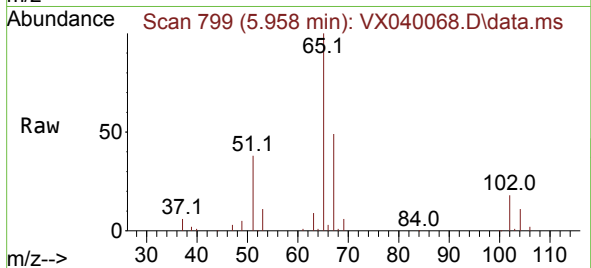
BR-04DR-451-013124

Tgt Ion: 65 Resp: 65263

Ion Ratio Lower Upper

65 100

67 50.7 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: VX040068.D

Acq: 01 Feb 2024 14:01

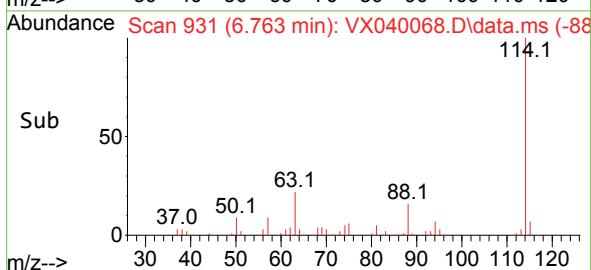
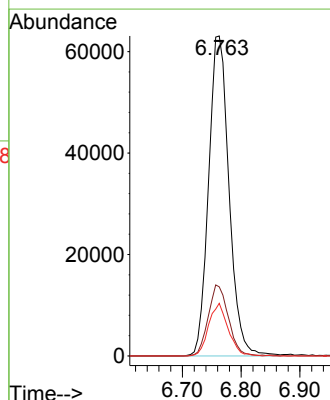
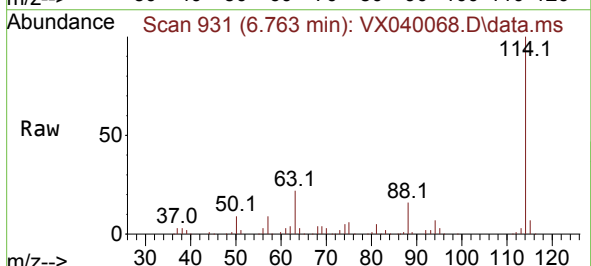
Tgt Ion: 114 Resp: 152408

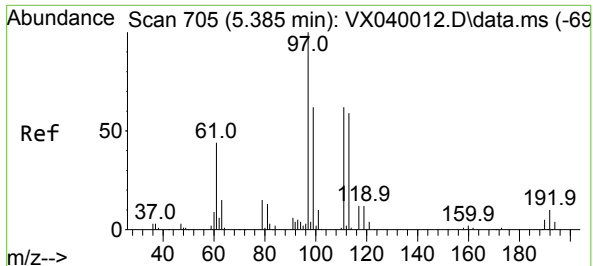
Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.0

88 16.5 0.0 36.6

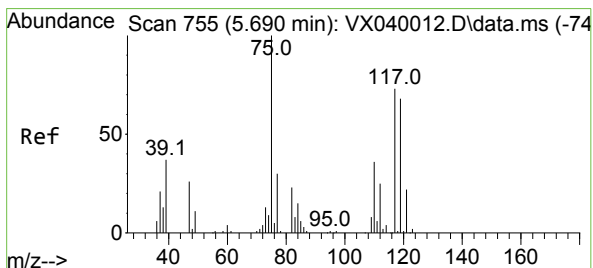
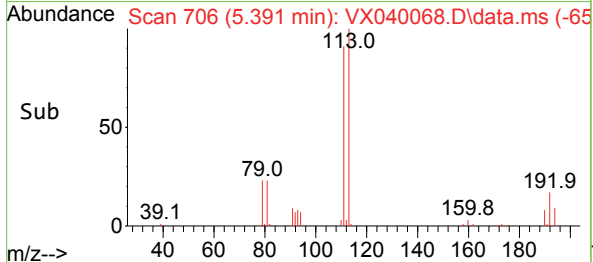
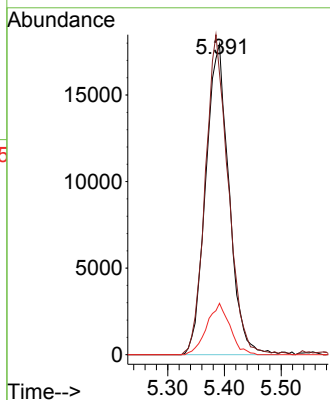
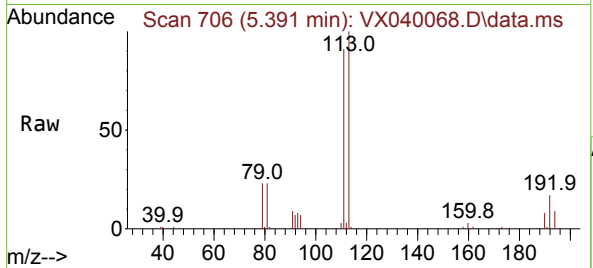




#35
Dibromofluoromethane
Concen: 49.480 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

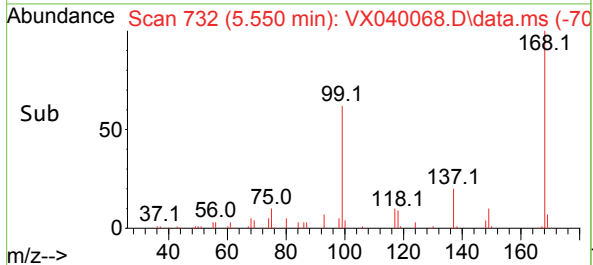
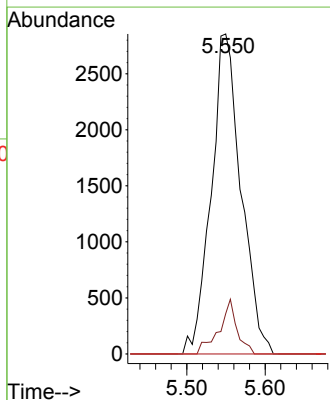
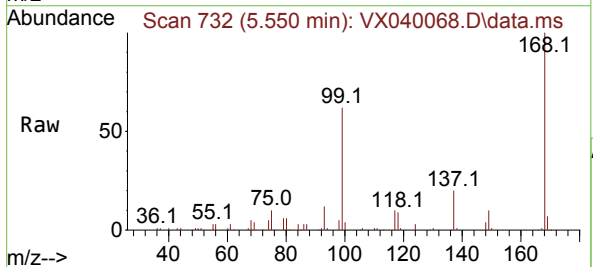
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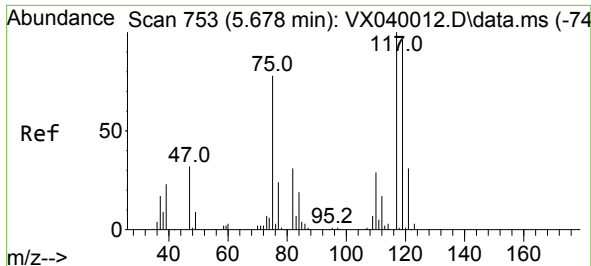
Tgt Ion:113 Resp: 51335
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 16.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

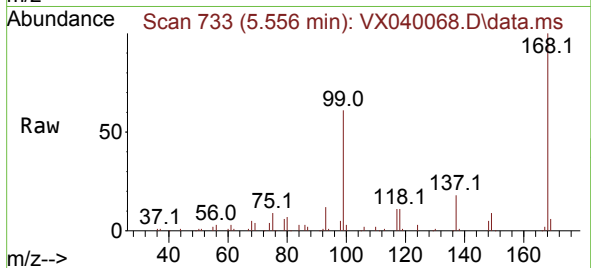
Tgt Ion: 75 Resp: 7567
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



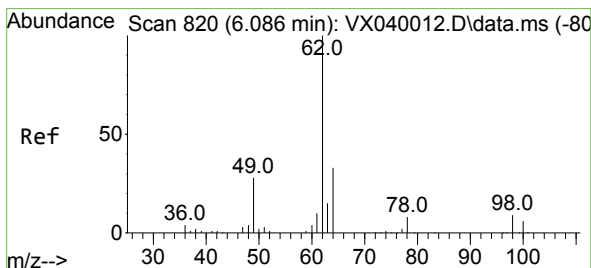
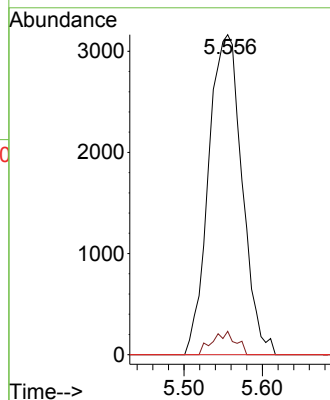
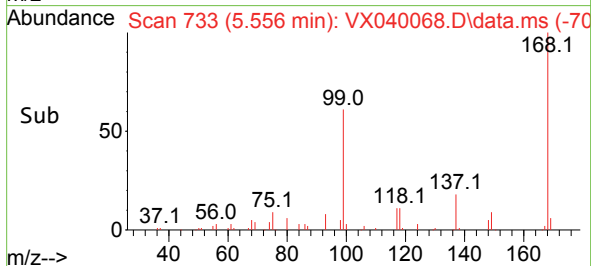


#38
Carbon Tetrachloride
Concen: 6.549 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Instrument :
MSVOA_X
ClientSampleId :
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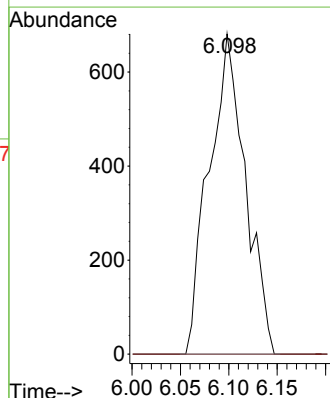
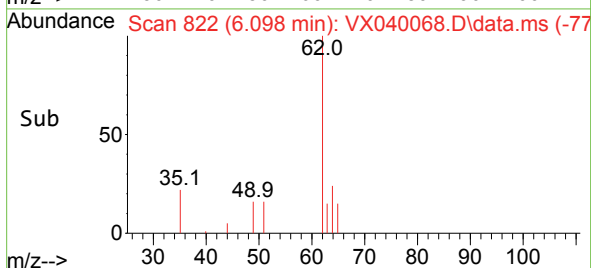
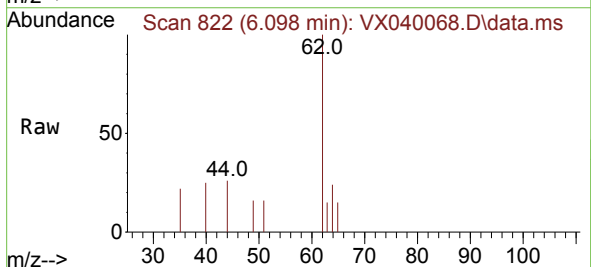


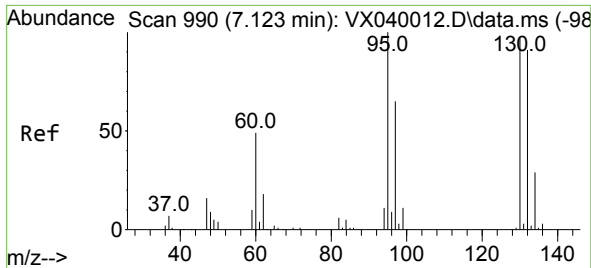
Tgt Ion:117 Resp: 9402
Ion Ratio Lower Upper
117 100
119 7.3 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 1.060 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 62 Resp: 1783
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

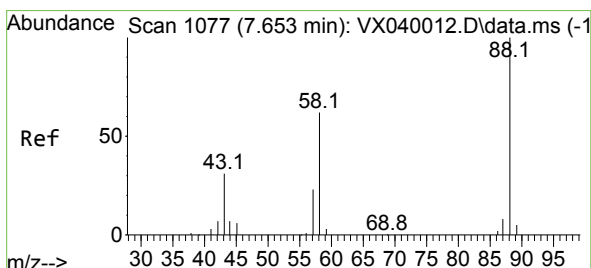
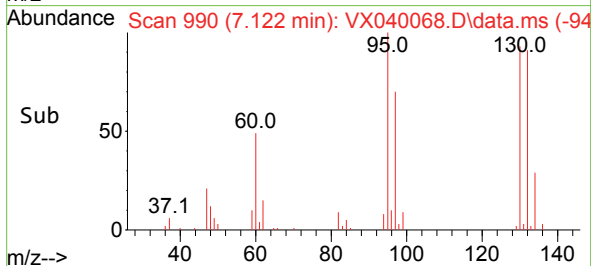
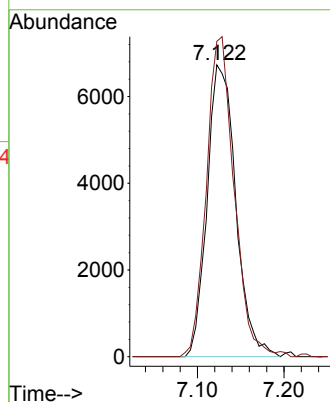
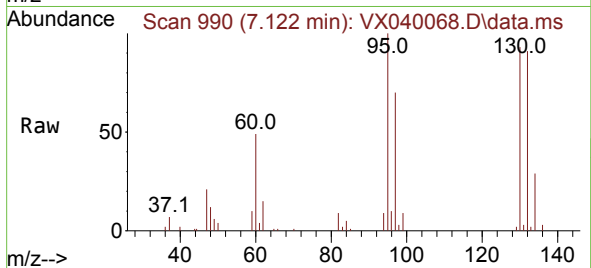




#44
Trichloroethene
Concen: 13.481 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

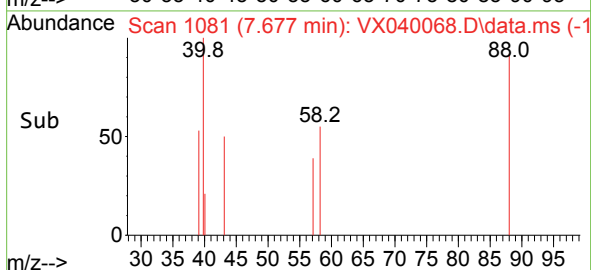
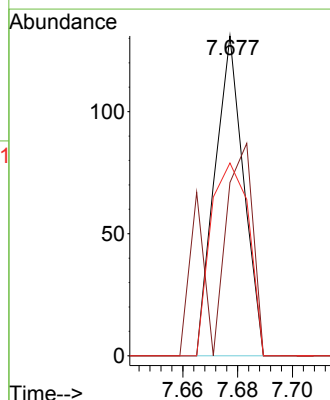
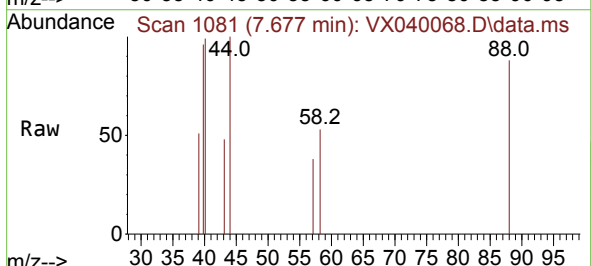
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

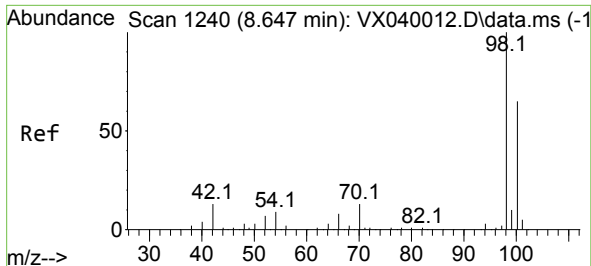
Tgt Ion:130 Resp: 15504
Ion Ratio Lower Upper
130 100
95 108.1 0.0 204.4



#49
1,4-Dioxane
Concen: 3.434 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.024 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 86.3 0.0 0.0#
58 80.0 60.1 90.1

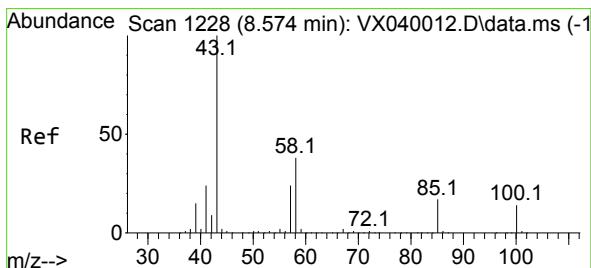
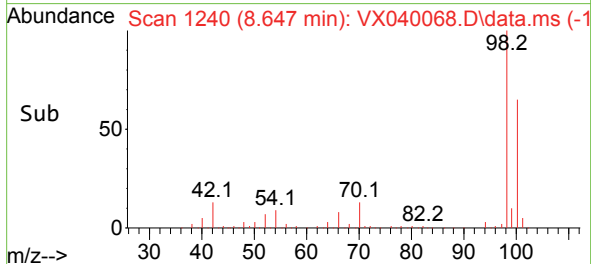
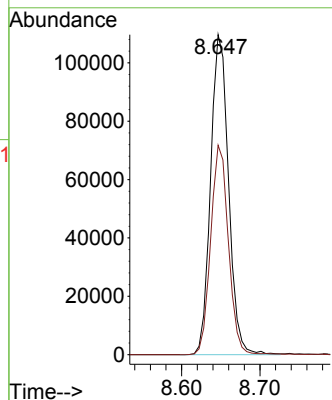
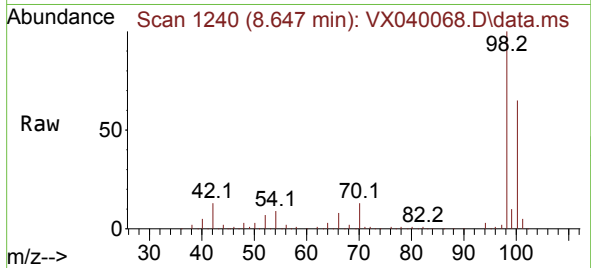




#50
Toluene-d8
Concen: 44.873 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

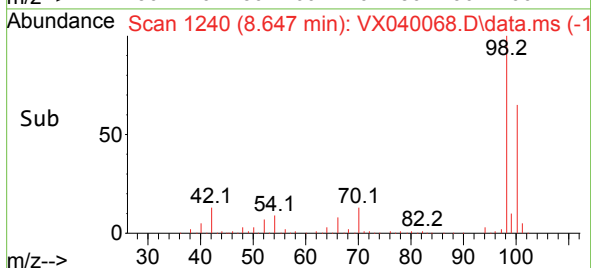
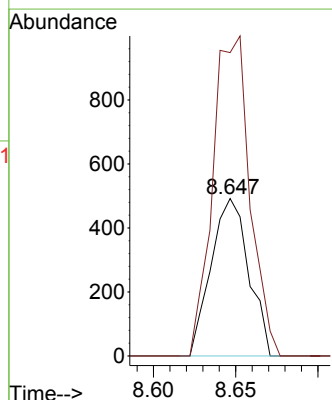
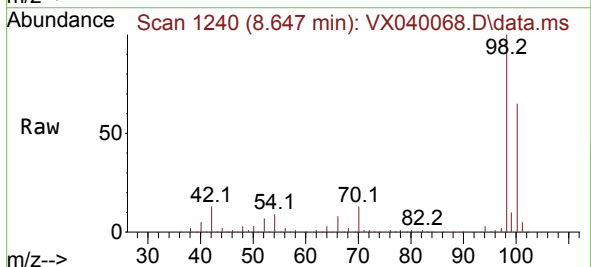
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

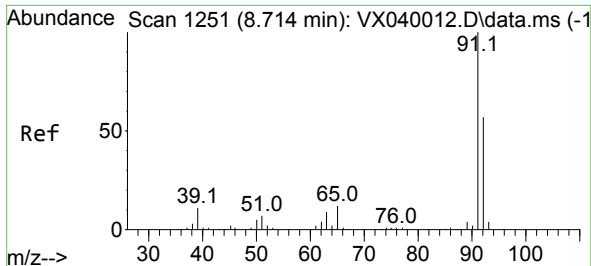
Tgt Ion: 98 Resp: 174103
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.444 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
58 200.6 30.4 45.6#

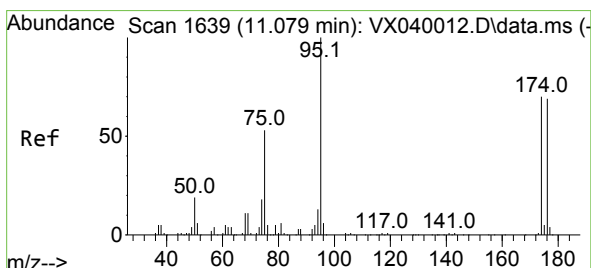
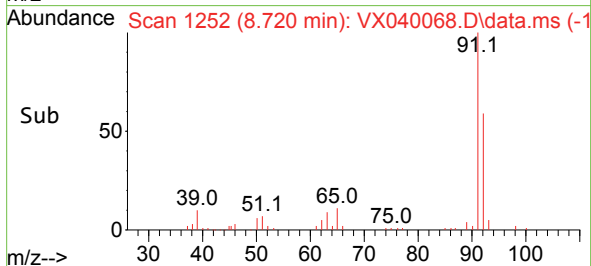
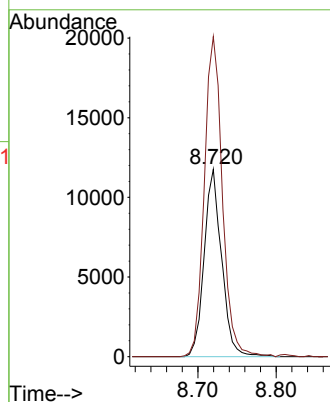
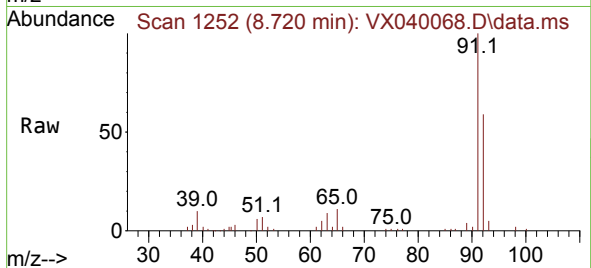




#52
Toluene
Concen: 6.686 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

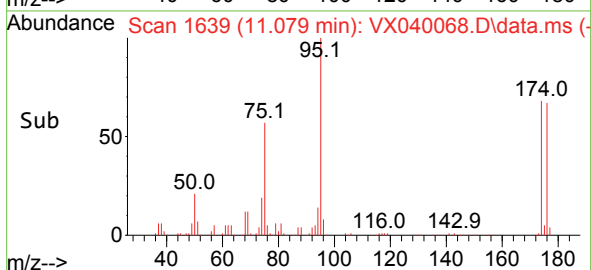
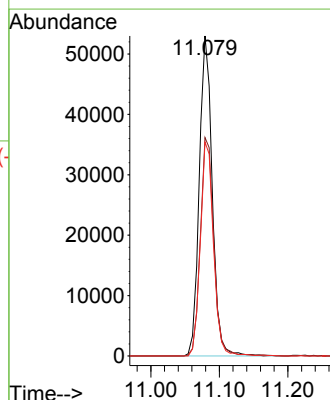
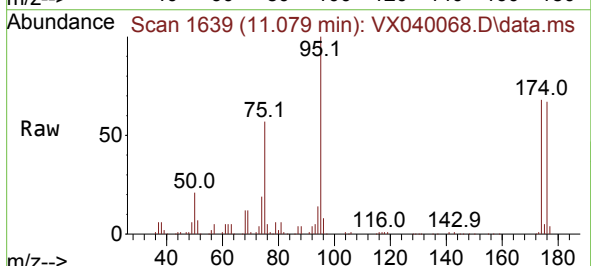
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

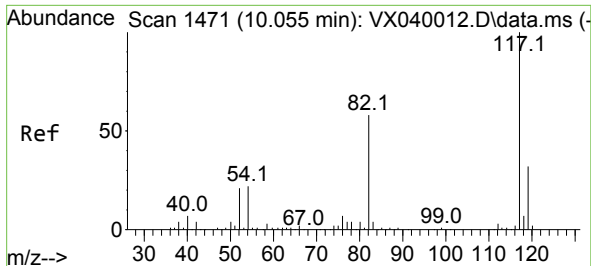
Tgt Ion: 92 Resp: 18212
Ion Ratio Lower Upper
92 100
91 176.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 46.825 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion: 95 Resp: 69956
Ion Ratio Lower Upper
95 100
174 70.6 0.0 135.6
176 67.5 0.0 131.0

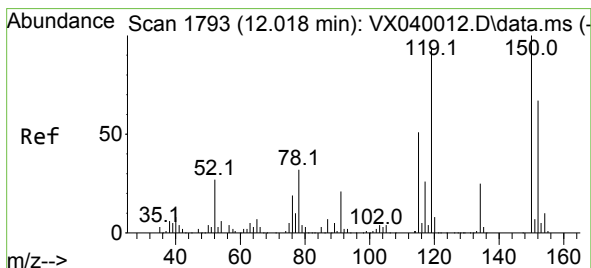
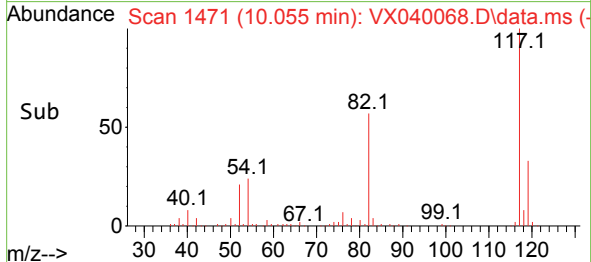
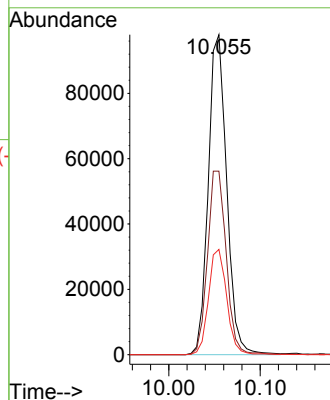
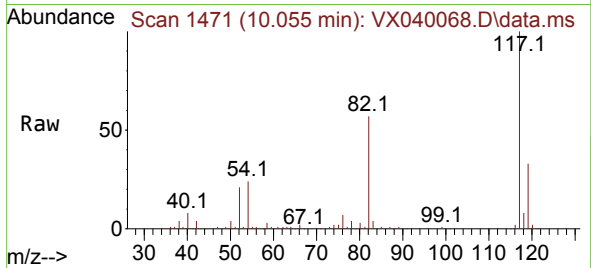




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

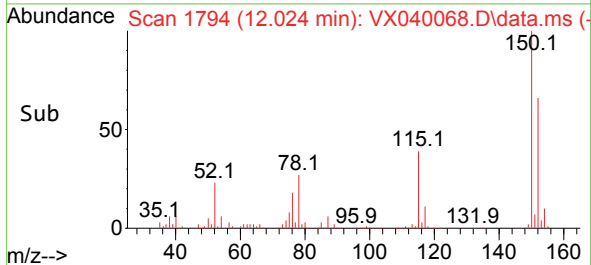
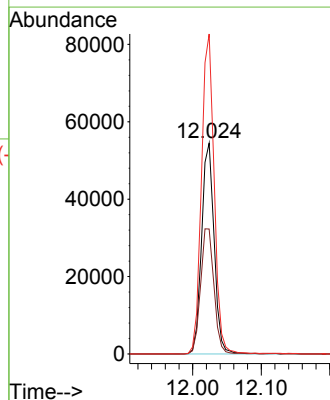
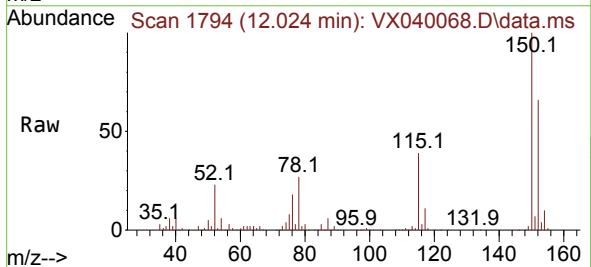
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-013124

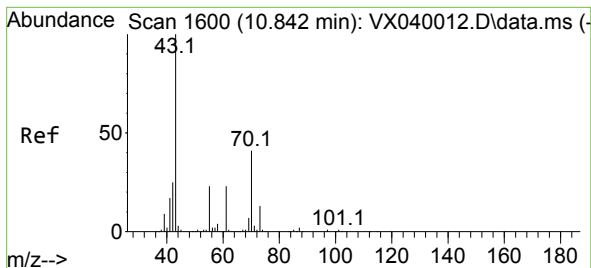
Tgt Ion:117 Resp: 136886
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040068.D
Acq: 01 Feb 2024 14:01

Tgt Ion:152 Resp: 69762
Ion Ratio Lower Upper
152 100
115 63.2 43.3 129.9
150 153.2 0.0 345.0





#74

N-ethyl acetate

Concen: 0.216 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.237 min

Lab File: VX040068.D

Acq: 01 Feb 2024 14:01

Instrument :

MSVOA_X

ClientSampleId :

BR-04DR-451-013124

Tgt Ion: 43 Resp: 40

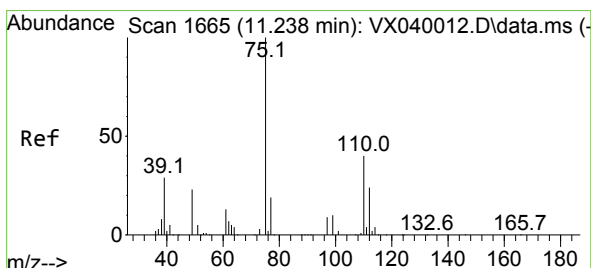
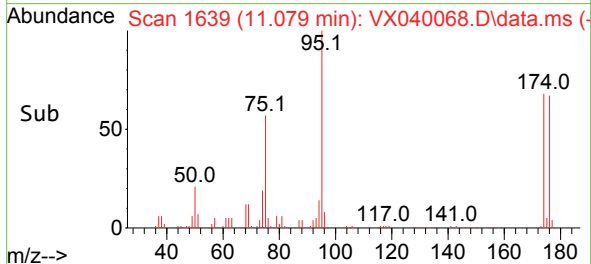
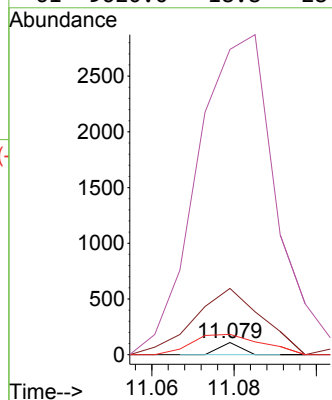
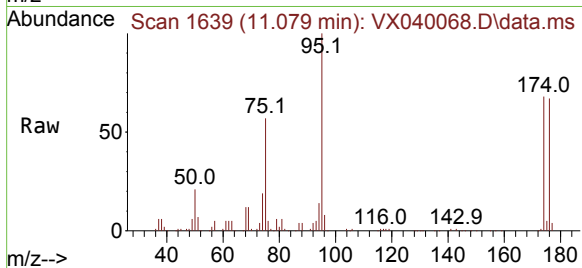
Ion Ratio Lower Upper

43 100

70 1757.5 32.9 49.3#

55 545.0 19.3 28.9#

61 9620.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.097 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040068.D

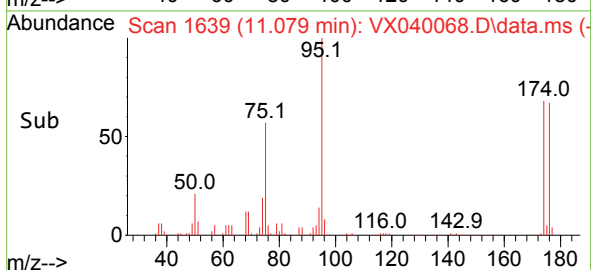
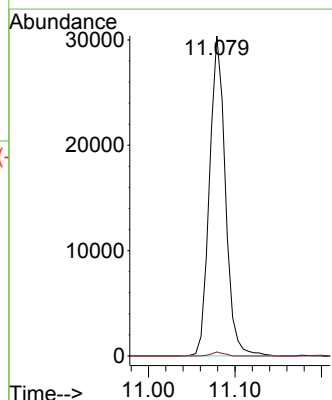
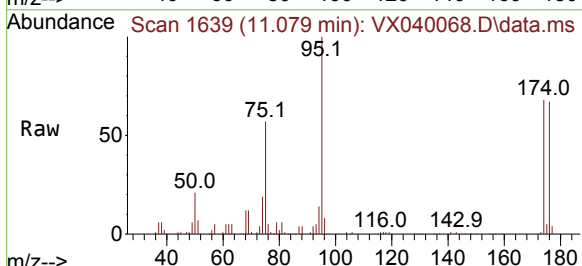
Acq: 01 Feb 2024 14:01

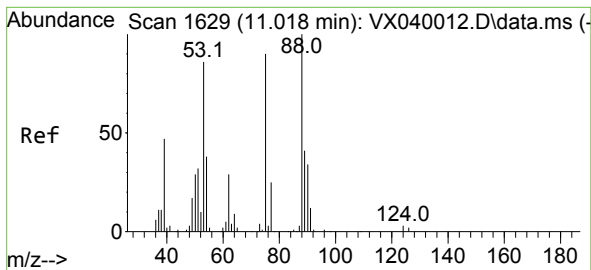
Tgt Ion: 75 Resp: 38770

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.625 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040068.D
 Acq: 01 Feb 2024 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-013124

Tgt Ion: 75 Resp: 38770
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

