

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040442.D
 Acq On : 23 Feb 2024 19:14
 Operator : JC/MD
 Sample : P1583-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE-COMP

Quant Time: Feb 23 22:24:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

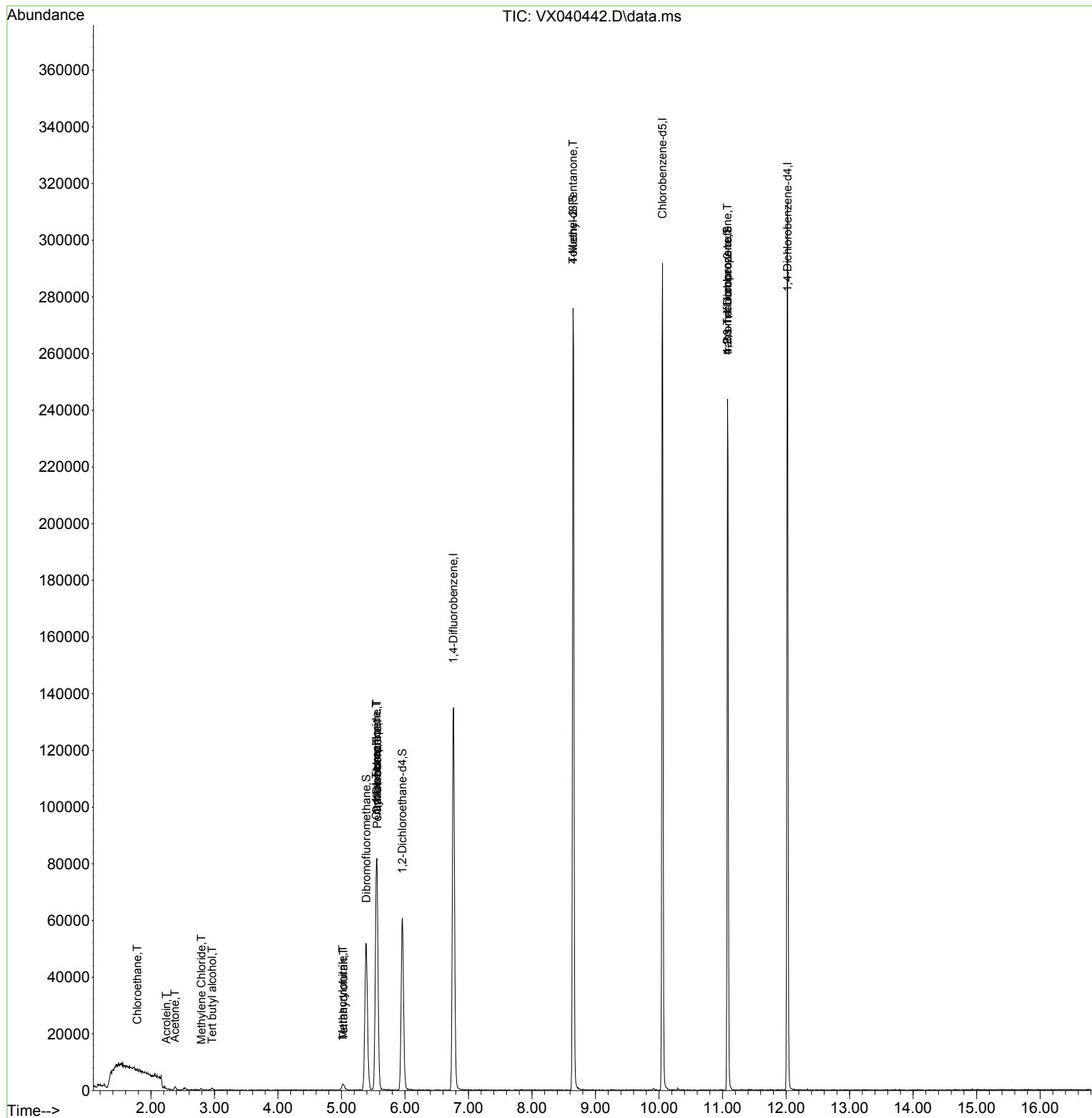
Internal Standards						
1) Pentafluorobenzene	5.562	168	73424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129442	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60225	50.365	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.720%	
35) Dibromofluoromethane	5.391	113	44232	50.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.420%	
50) Toluene-d8	8.647	98	160506	50.942	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	11.079	95	61930	49.051	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.100%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.782	64	546	0.908	ug/l	96
11) Tert butyl alcohol	2.965	59	952	4.119	ug/l #	78
13) Acrolein	2.239	56	92	0.333	ug/l #	83
16) Acetone	2.380	43	1165	2.338	ug/l #	58
20) Methylene Chloride	2.794	84	266	0.255	ug/l #	71
29) Tetrahydrofuran	5.032	42	2113	4.086	ug/l #	86
31) Cyclohexane	5.556	56	2038	1.422	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	6777	5.020	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8532	6.831	ug/l #	15
41) Methacrylonitrile	5.019	41	847	1.034	ug/l #	44
51) 4-Methyl-2-Pentanone	8.647	43	919	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35035	25.289	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	35035	87.996	ug/l #	5

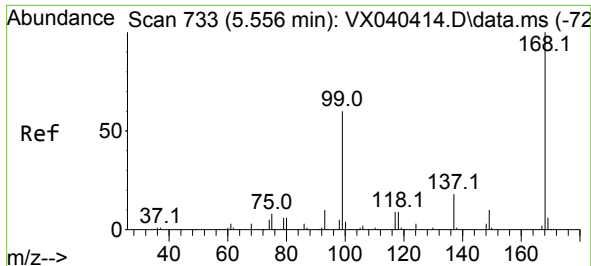
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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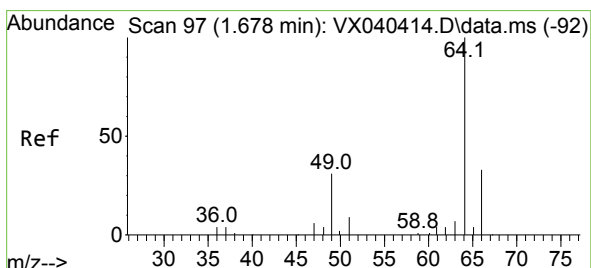
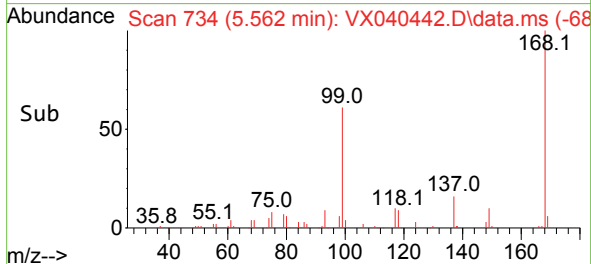
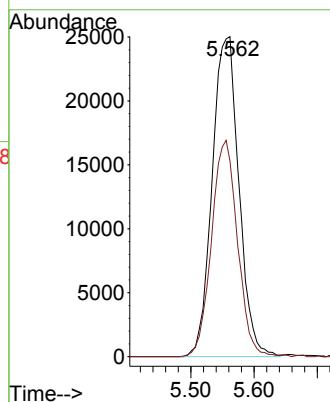
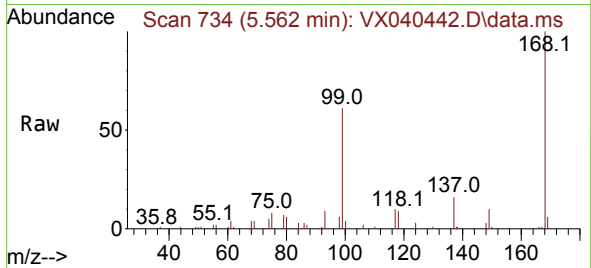




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

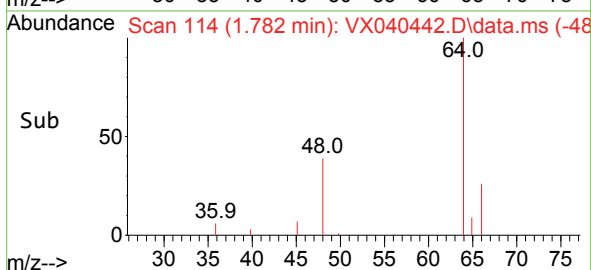
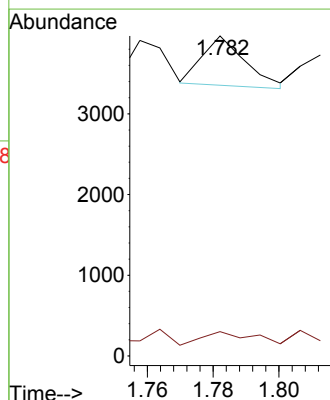
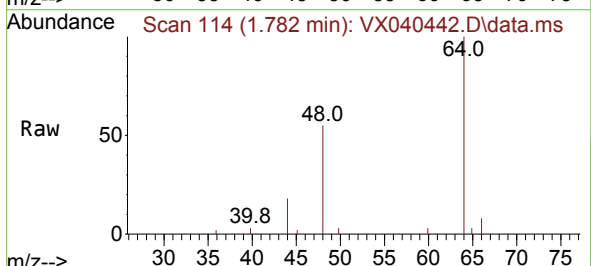
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE-COMP

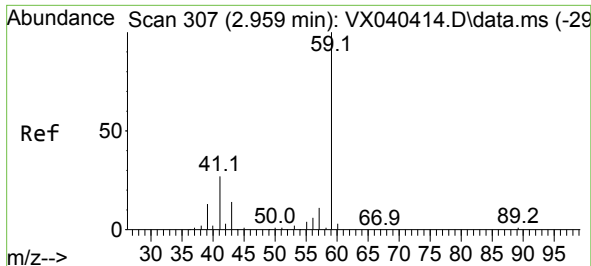
Tgt Ion:168 Resp: 73424
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#6
Chloroethane
Concen: 0.908 ug/l
RT: 1.782 min Scan# 114
Delta R.T. 0.104 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

Tgt Ion: 64 Resp: 546
Ion Ratio Lower Upper
64 100
66 29.2 25.1 37.7





#11

Tert butyl alcohol

Concen: 4.119 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

Instrument :

MSVOA_X

ClientSampleId :

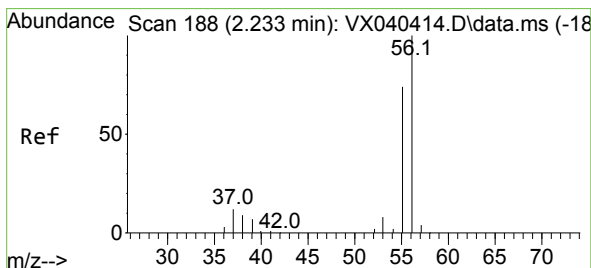
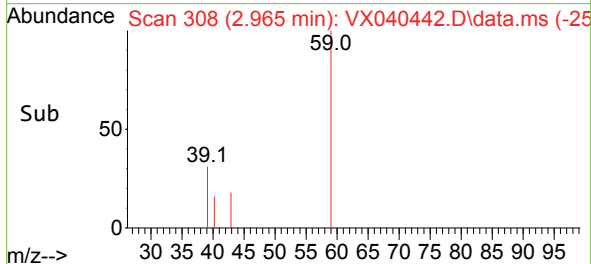
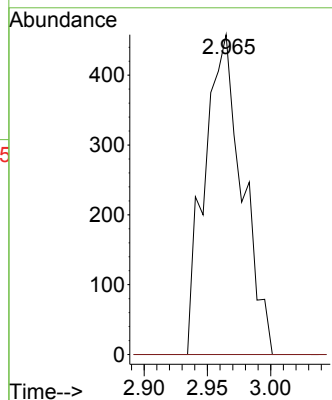
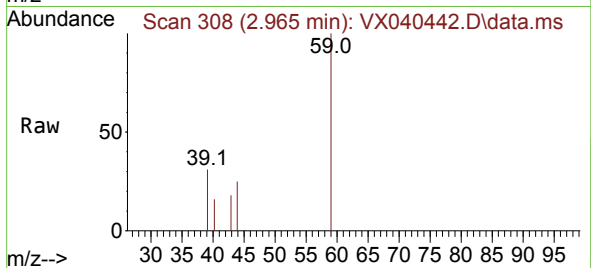
MANHOLE-COMP

Tgt Ion: 59 Resp: 952

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.333 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX040442.D

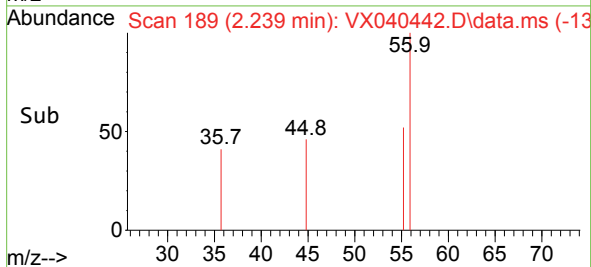
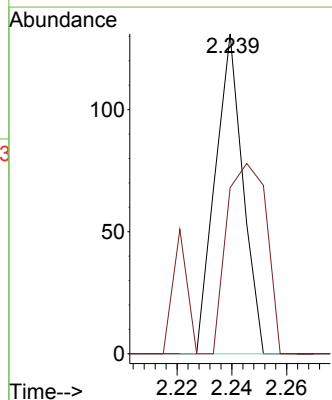
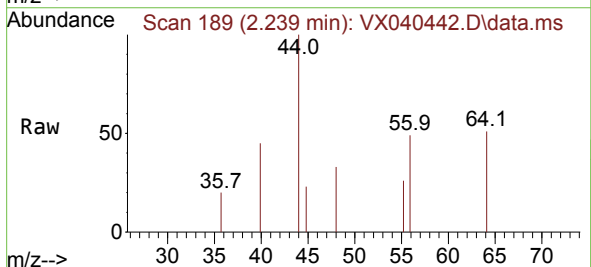
Acq: 23 Feb 2024 19:14

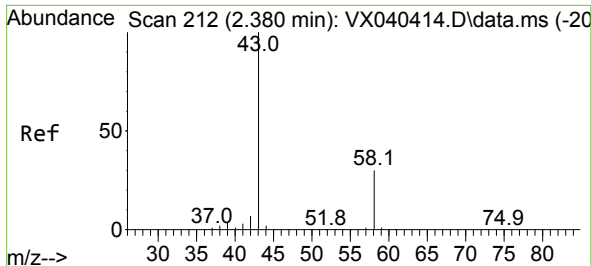
Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 85.9 57.1 85.7#





#16

Acetone

Concen: 2.338 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

Instrument :

MSVOA_X

ClientSampleId :

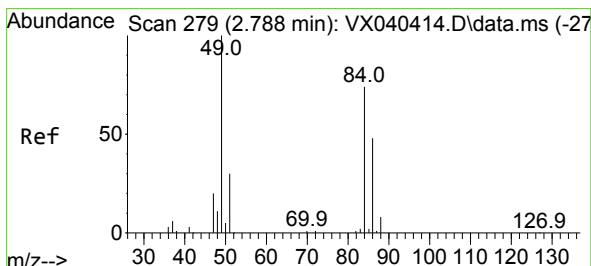
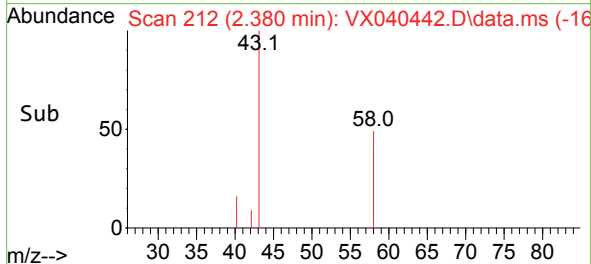
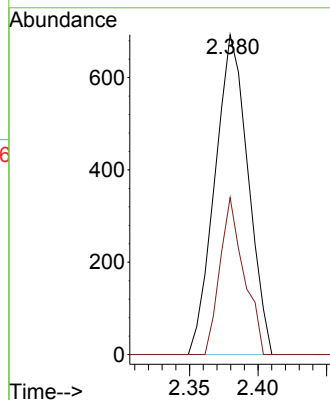
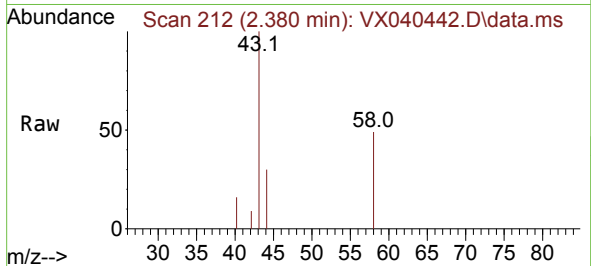
MANHOLE-COMP

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43 100

58 49.1 21.9 32.9#



#20

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

Tgt Ion: 84 Resp: 266

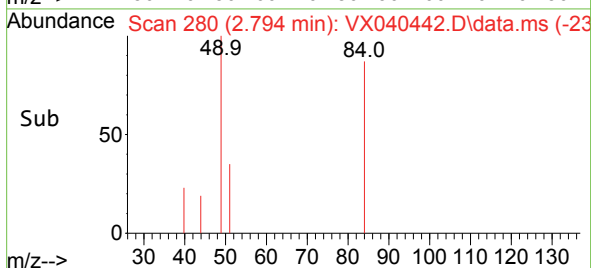
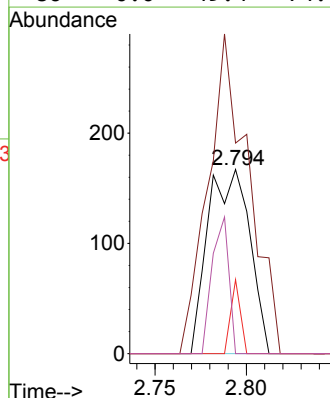
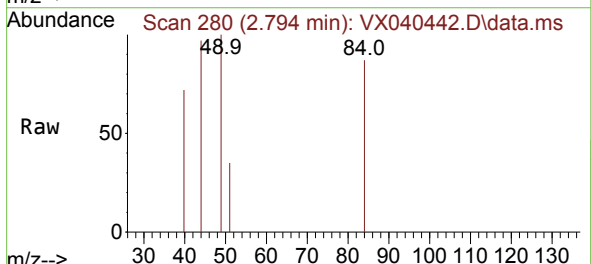
Ion Ratio Lower Upper

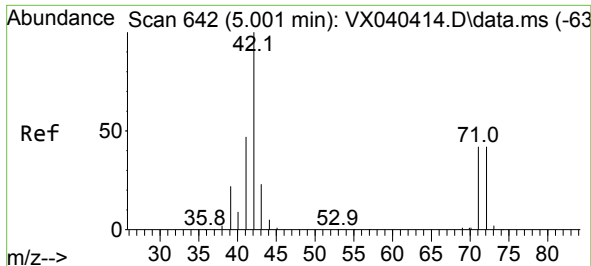
84 100

49 114.4 103.6 155.4

51 40.1 33.8 50.6

86 0.0 49.4 74.0#





#29

Tetrahydrofuran

Concen: 4.086 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE-COMP

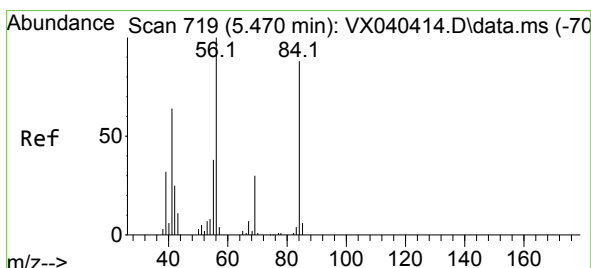
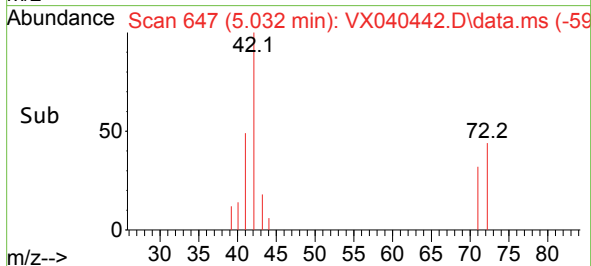
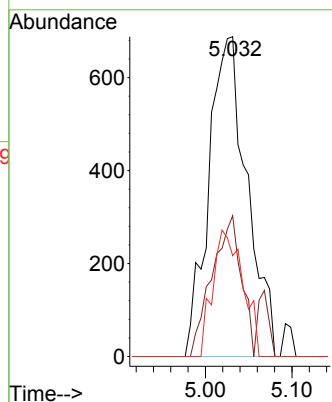
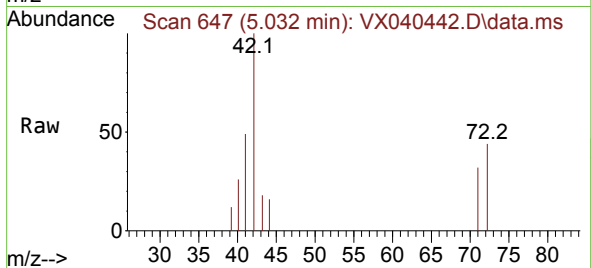
Tgt Ion: 42 Resp: 2113

Ion Ratio Lower Upper

42 100

72 33.8 34.2 51.4#

71 31.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

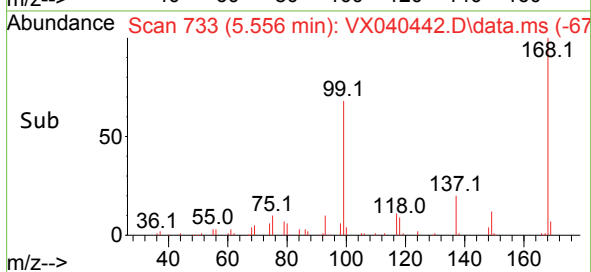
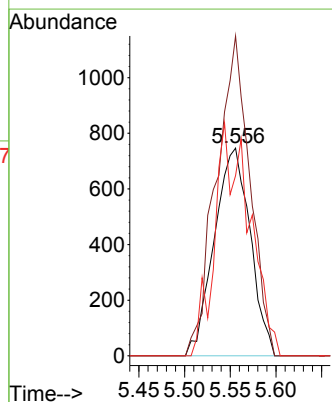
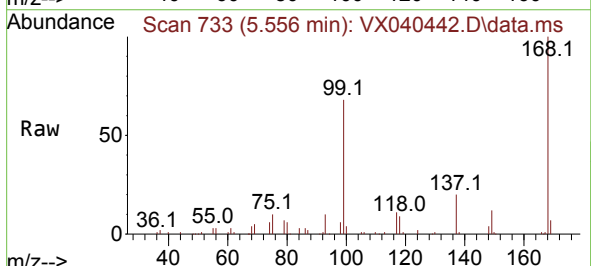
Tgt Ion: 56 Resp: 2038

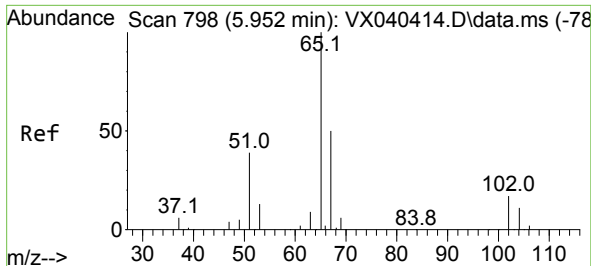
Ion Ratio Lower Upper

56 100

69 153.9 23.4 35.2#

84 86.7 65.9 98.9

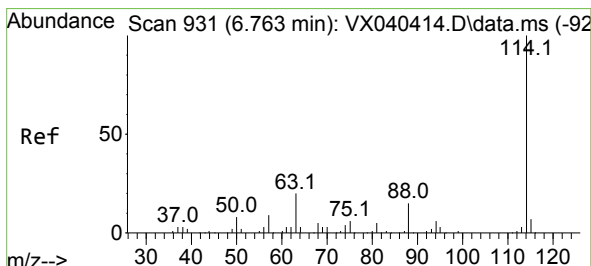
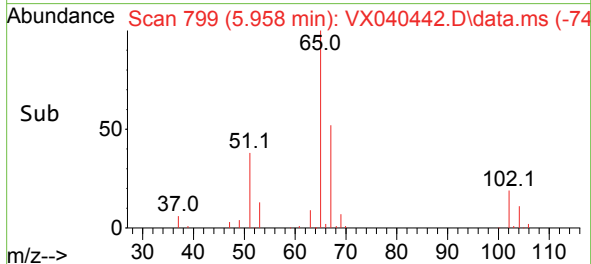
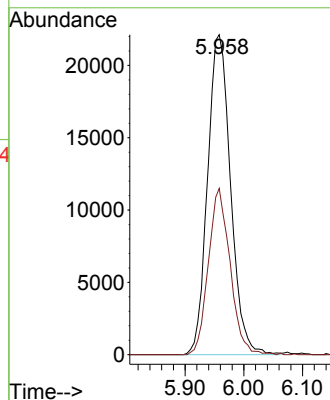
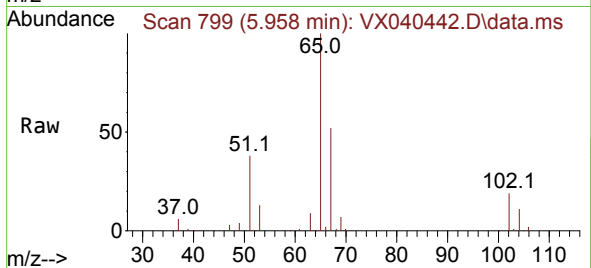




#33
 1,2-Dichloroethane-d4
 Concen: 50.365 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040442.D
 Acq: 23 Feb 2024 19:14

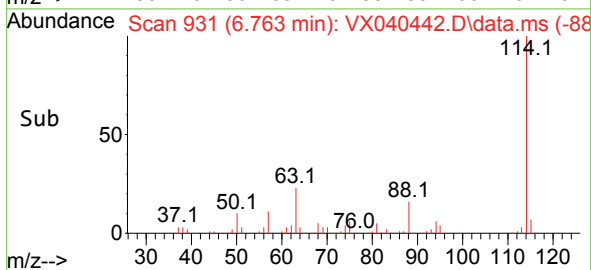
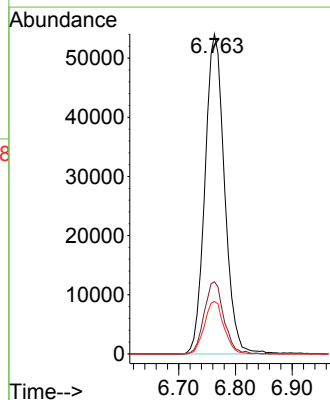
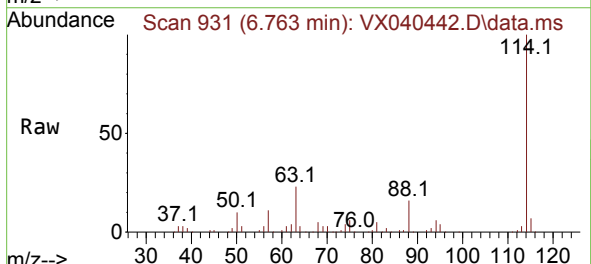
Instrument :
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 MANHOLE-COMP

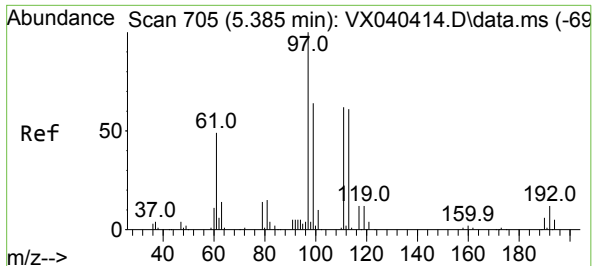
Tgt Ion: 65 Resp: 60225
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040442.D
 Acq: 23 Feb 2024 19:14

Tgt Ion: 114 Resp: 129442
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.4 0.0 36.6

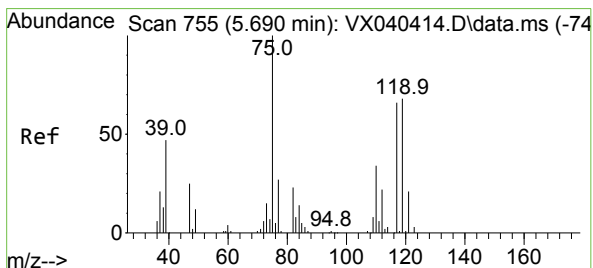
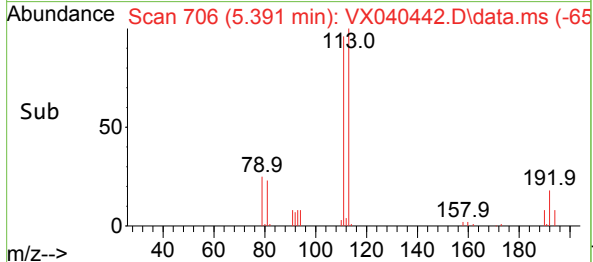
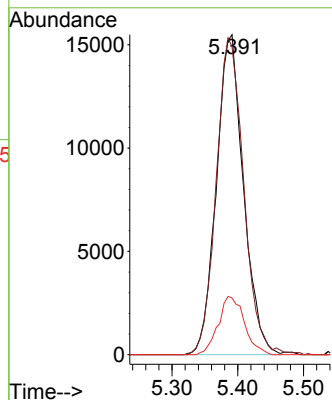
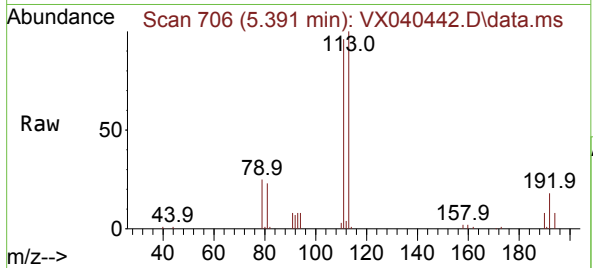




#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

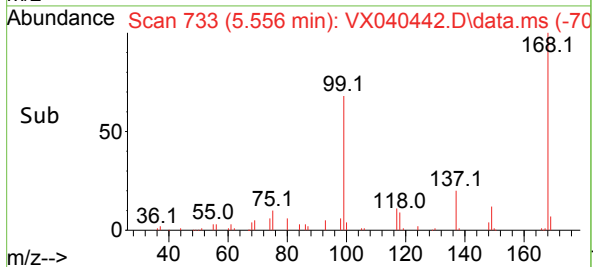
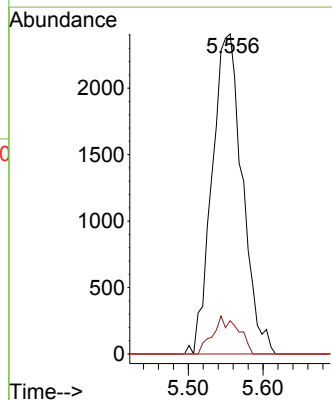
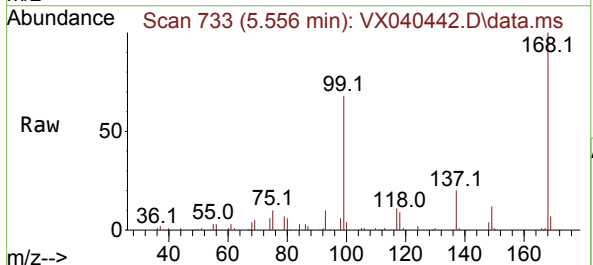
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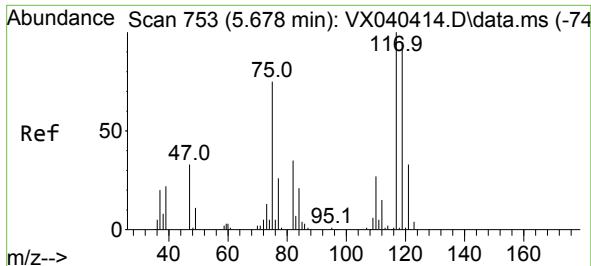
Tgt Ion:113 Resp: 44232
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

Tgt Ion: 75 Resp: 6777
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.831 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX040442.D

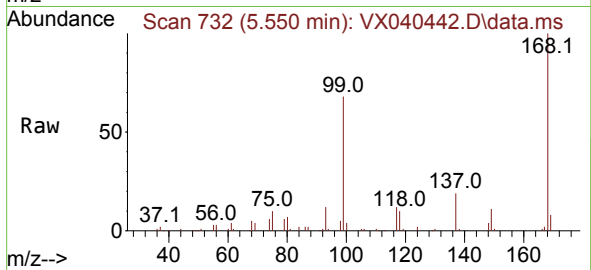
Acq: 23 Feb 2024 19:14

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE-COMP



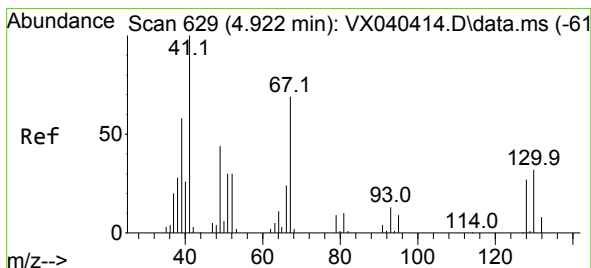
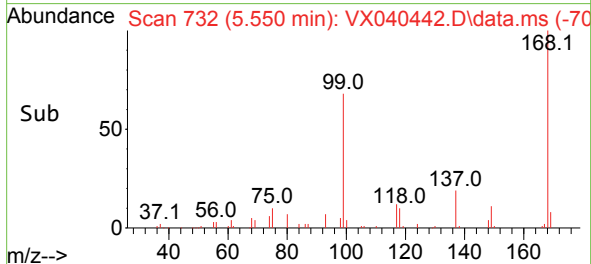
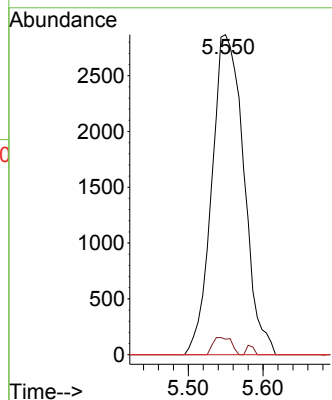
Tgt Ion:117 Resp: 8532

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 1.034 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.098 min

Lab File: VX040442.D

Acq: 23 Feb 2024 19:14

Tgt Ion: 41 Resp: 847

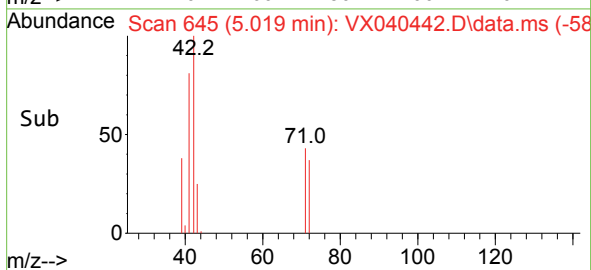
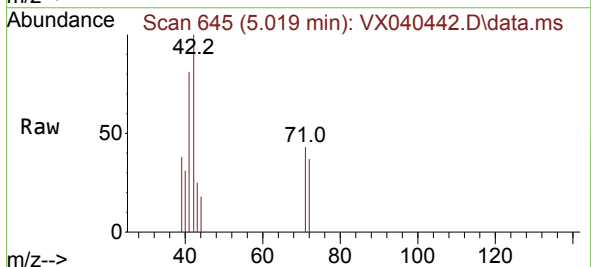
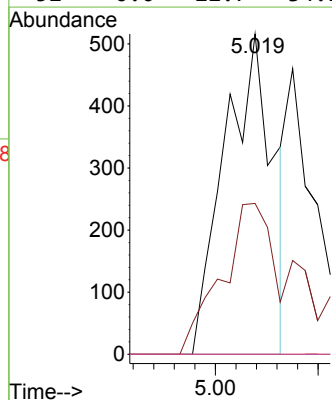
Ion Ratio Lower Upper

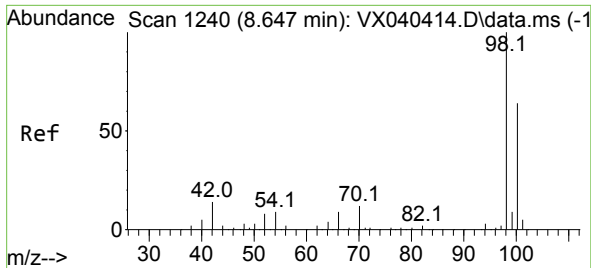
41 100

39 75.3 45.2 67.8#

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#

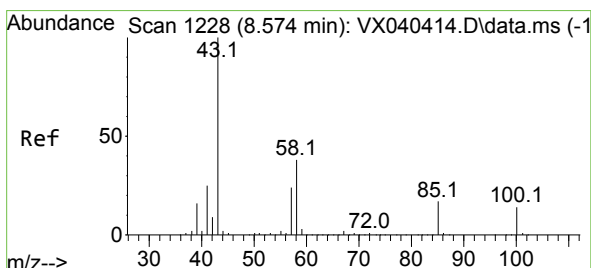
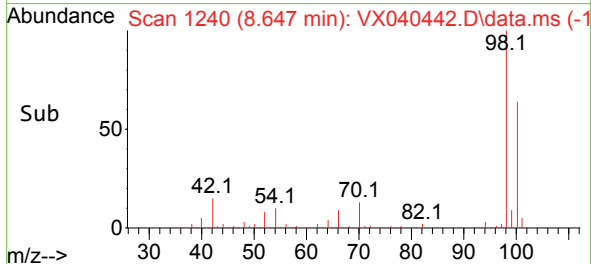
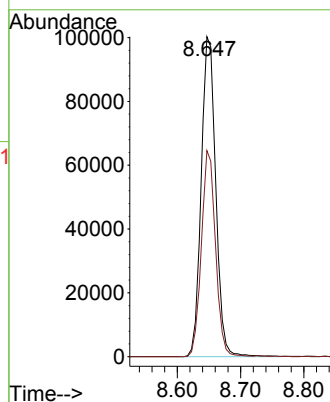
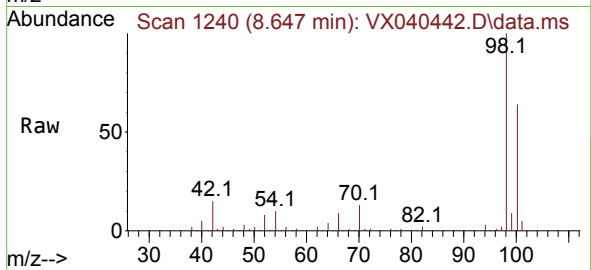




#50
Toluene-d8
Concen: 50.942 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

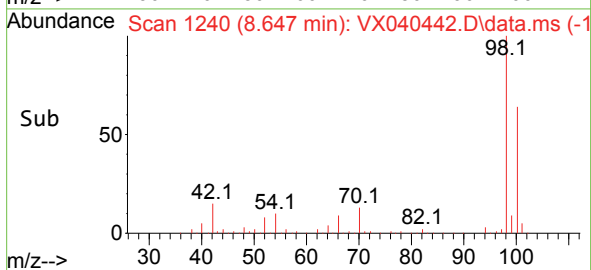
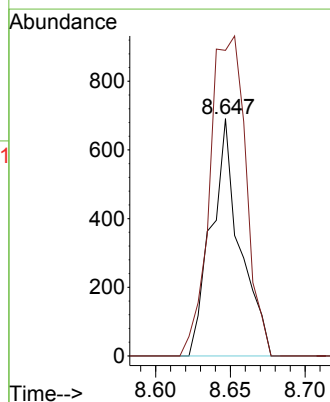
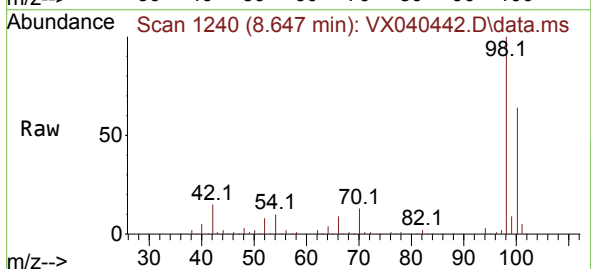
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE-COMP

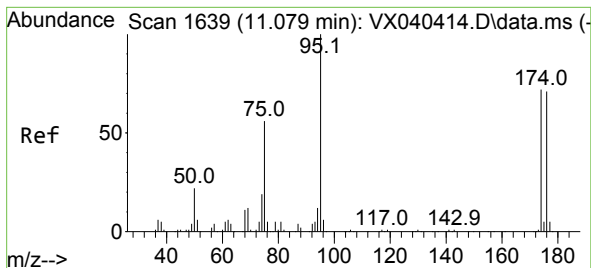
Tgt Ion: 98 Resp: 160506
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 170.8 30.4 45.6#

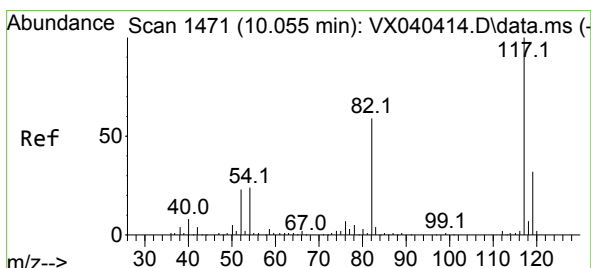
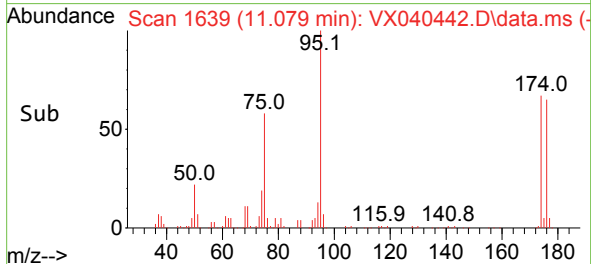
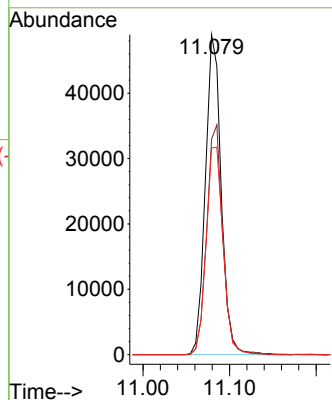
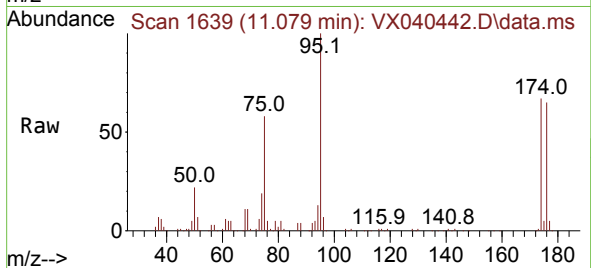




#62
4-Bromofluorobenzene
Concen: 49.051 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

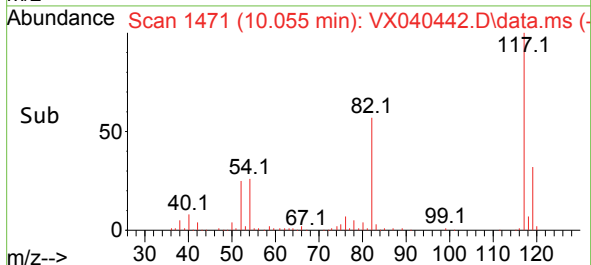
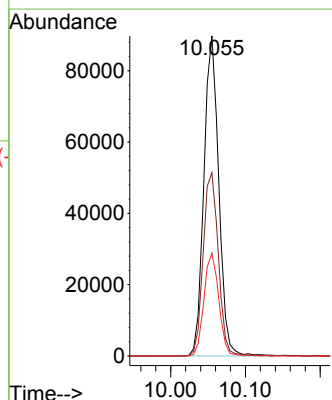
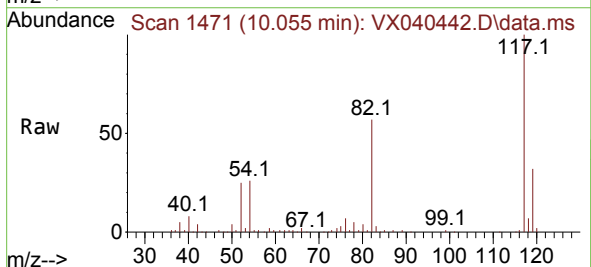
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE-COMP

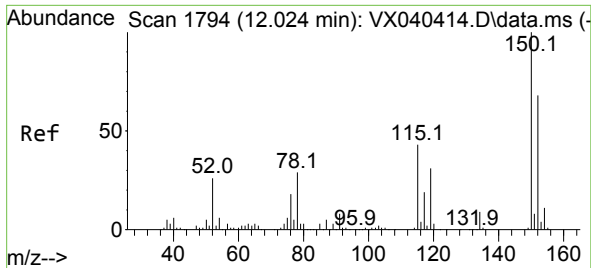
Tgt Ion: 95 Resp: 61930
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 70.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

Tgt Ion: 117 Resp: 124026
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.1 25.5 38.3

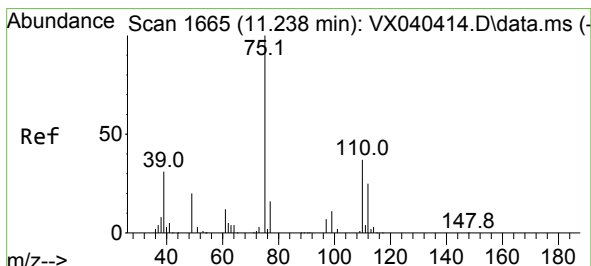
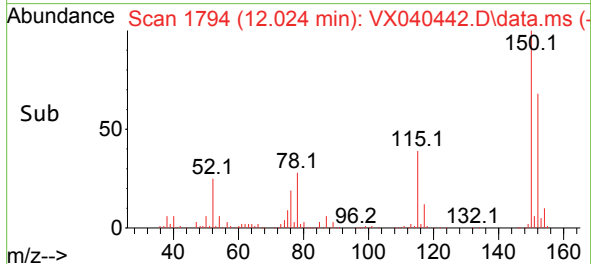
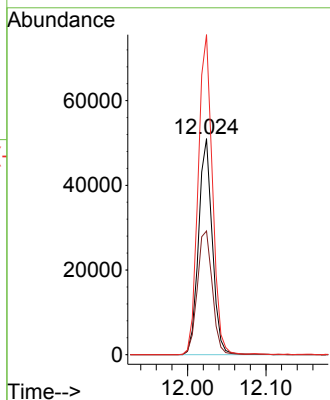
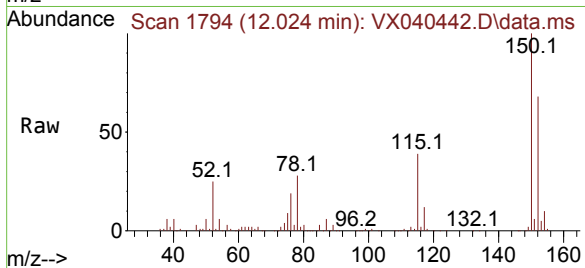




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040442.D
 Acq: 23 Feb 2024 19:14

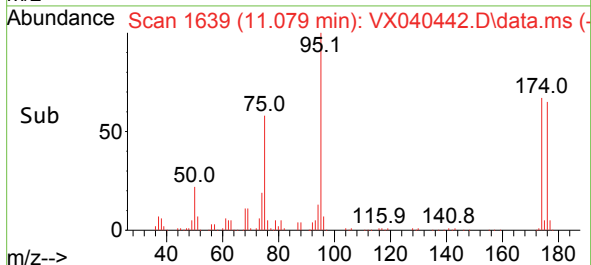
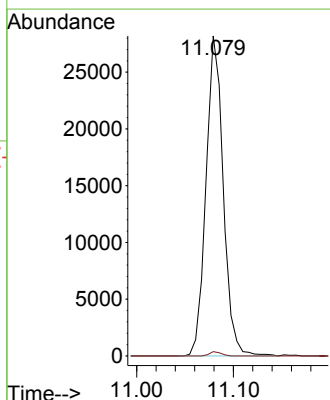
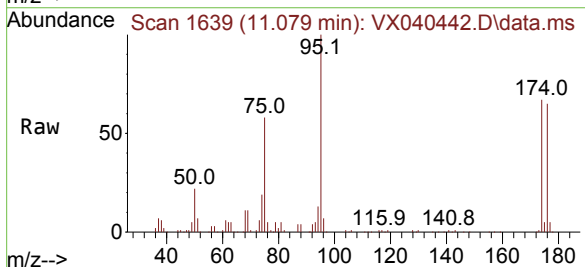
Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE-COMP

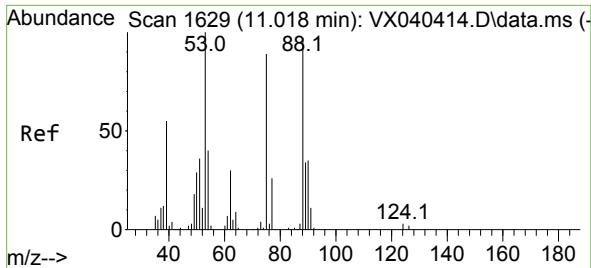
Tgt Ion:152 Resp: 62302
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.3 129.9
 150 153.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.289 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040442.D
 Acq: 23 Feb 2024 19:14

Tgt Ion: 75 Resp: 35035
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.996 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040442.D
Acq: 23 Feb 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE-COMP

Tgt Ion: 75 Resp: 35035
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

