

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033222.D
 Acq On : 05 Dec 2022 13:31
 Operator : JC/MD
 Sample : N5763-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN-001-SEWER-OUTLET-001

Quant Time: Dec 06 05:41:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

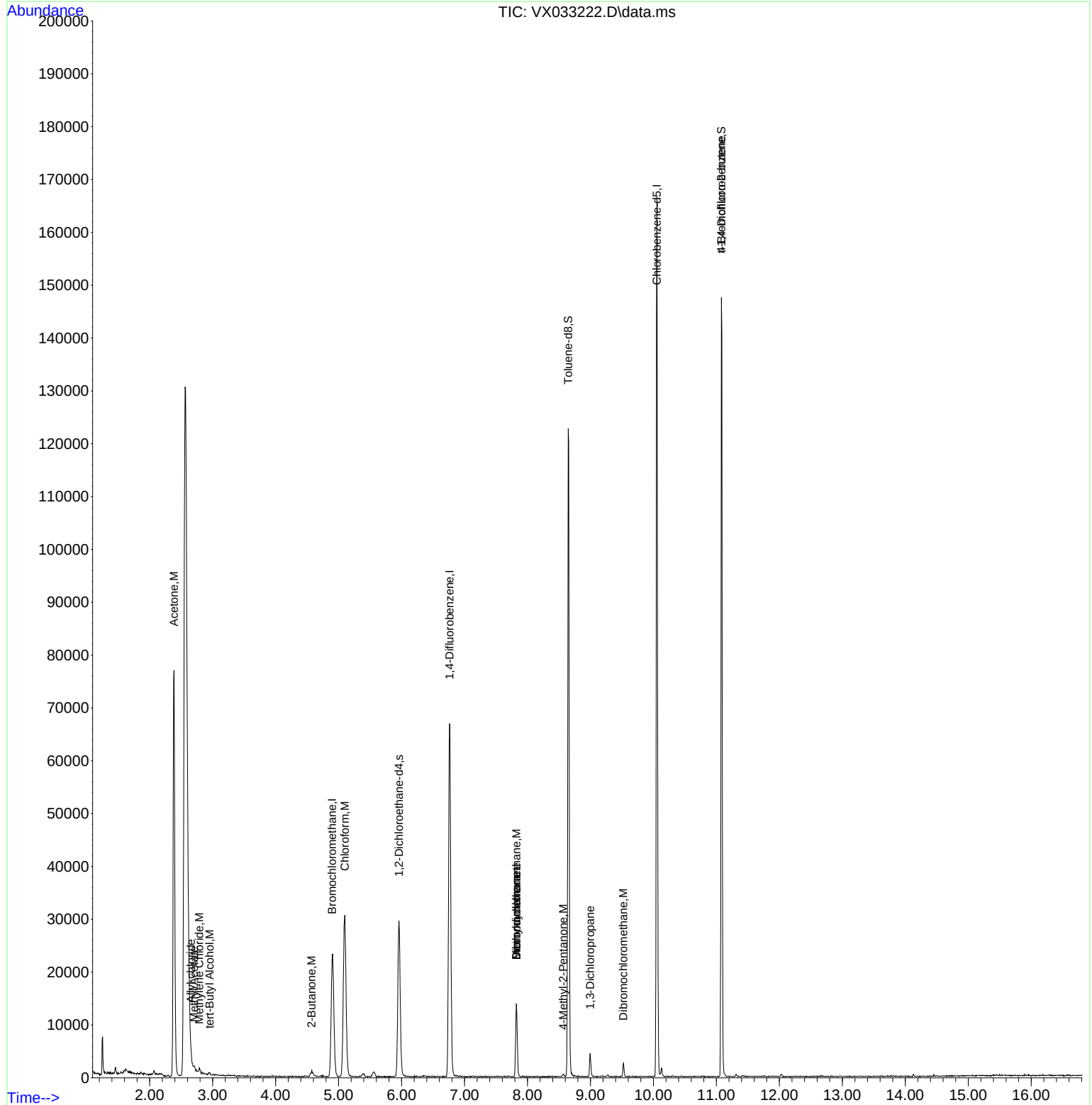
Internal Standards						
1) Bromochloromethane	4.898	128	10300	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	70384	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	74342	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	29824	30.014	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.033%
60) 4-Bromofluorobenzene	11.079	95	38923	27.371	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.233%
63) Toluene-d8	8.647	98	74241	29.591	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.633%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.703	43	657	0.443	ug/l #	82
15) Acetone	2.386	58	26162	189.086	ug/l	80
17) Allyl chloride	2.654	41	413	0.259	ug/l #	62
18) Methylene Chloride	2.788	84	402	0.348	ug/l #	78
23) tert-Butyl Alcohol	2.953	59	93	0.538	ug/l #	100
25) Chloroform	5.099	83	38036	17.017	ug/l	98
30) 2-Butanone	4.568	43	623	0.856	ug/l #	56
38) Methylcyclohexane	7.824	83	8938	5.110	ug/l #	22
40) Dibromomethane	7.824	93	273	0.321	ug/l #	3
41) Bromodichloromethane	7.824	83	9094	5.613	ug/l	99
52) 1,3-Dichloropropane	8.994	76	722	0.378	ug/l #	42
53) Dibromochloromethane	9.519	129	1203	0.947	ug/l	95
58) 4-Methyl-2-Pentanone	8.568	43	876	0.602	ug/l #	39
77) t-1,4-Dichloro-2-butene	11.079	75	20295	45.665	ug/l #	8

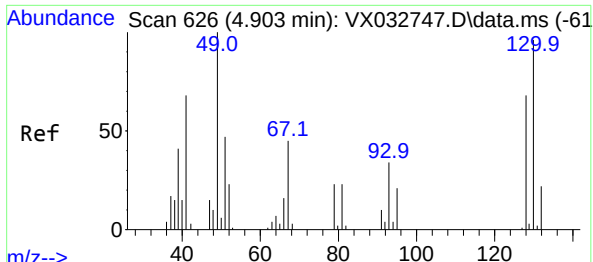
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
Data File : VX033222.D
Acq On : 05 Dec 2022 13:31
Operator : JC/MD
Sample : N5763-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

Quant Time: Dec 06 05:41:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration

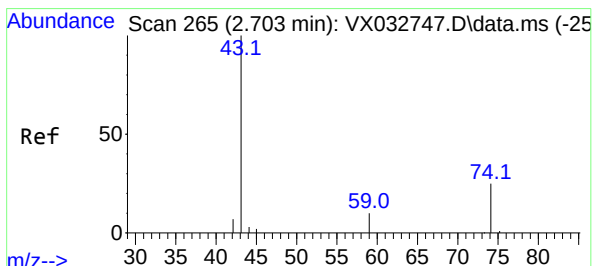
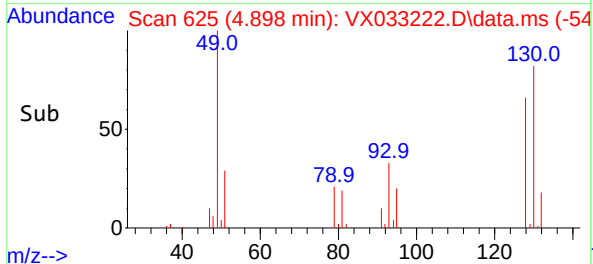
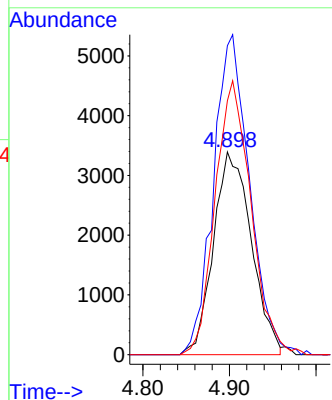
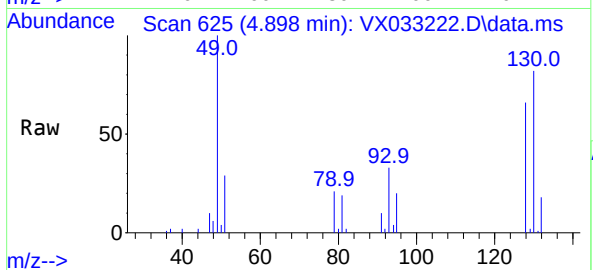




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.005 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

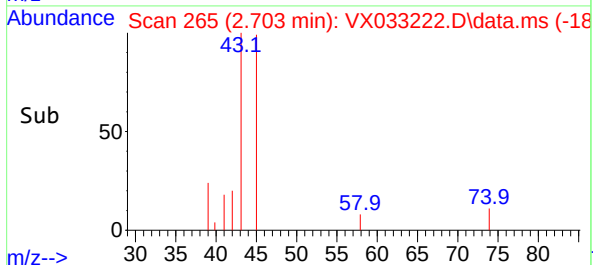
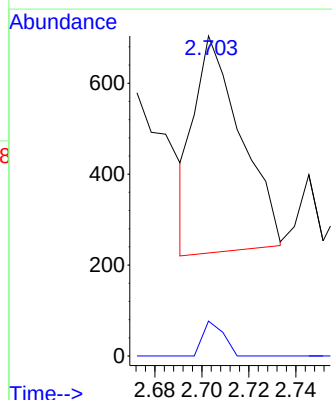
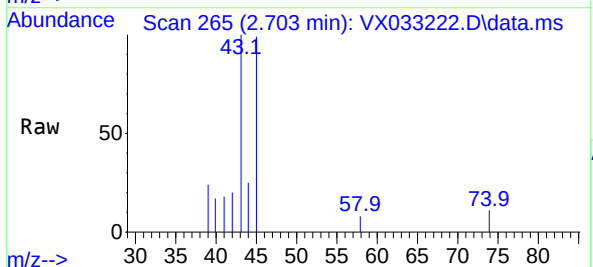
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

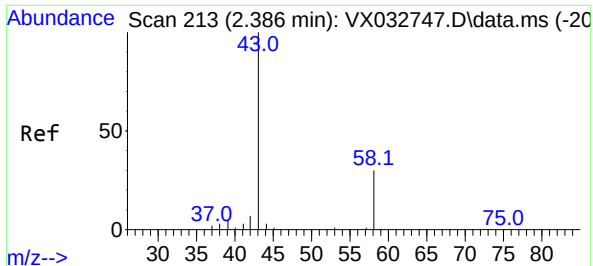
Tgt Ion:128 Resp: 10300
Ion Ratio Lower Upper
128 100
49 150.3 0.0 293.0
130 127.6 0.0 321.5



#12
Methyl Acetate
Concen: 0.443 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
74 21.0 24.8 37.2#

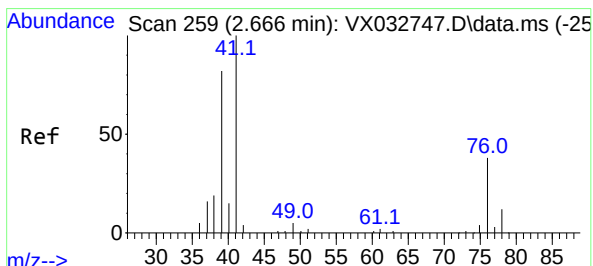
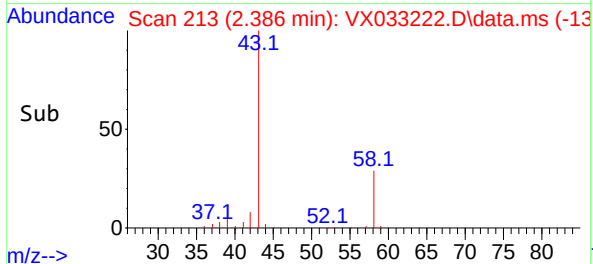
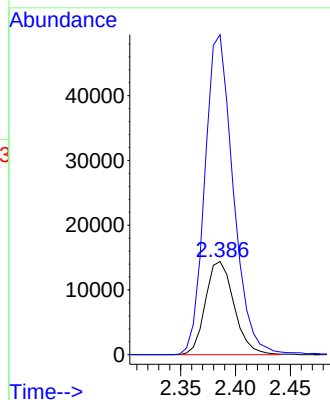
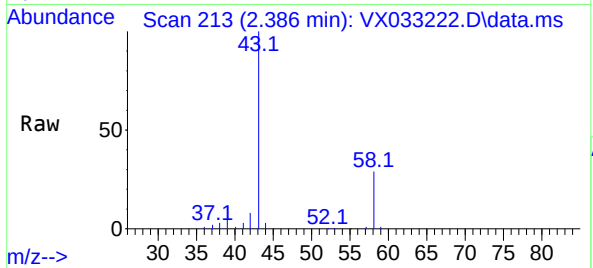




#15
Acetone
Concen: 189.086 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

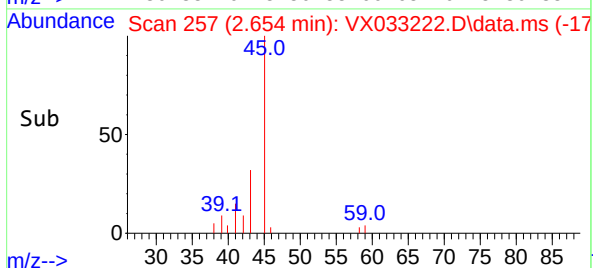
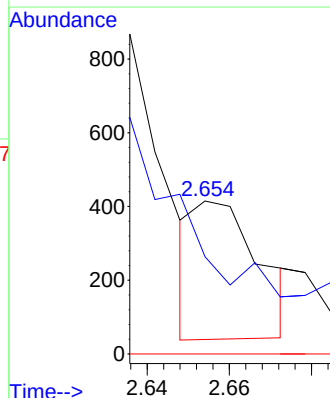
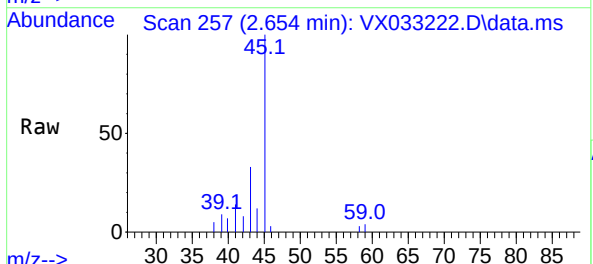
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

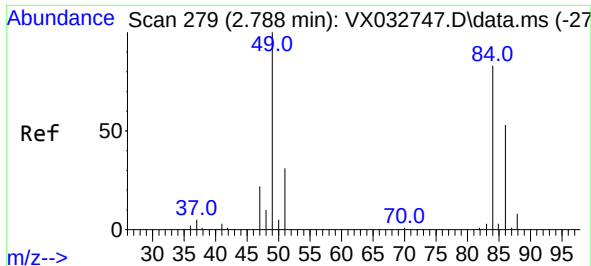
Tgt Ion: 58 Resp: 26162
Ion Ratio Lower Upper
58 100
43 342.7 242.6 364.0



#17
Allyl chloride
Concen: 0.259 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion: 41 Resp: 413
Ion Ratio Lower Upper
41 100
39 59.9 37.0 111.0
76 0.0 23.8 71.5#





#18

Methylene Chloride

Concen: 0.348 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033222.D

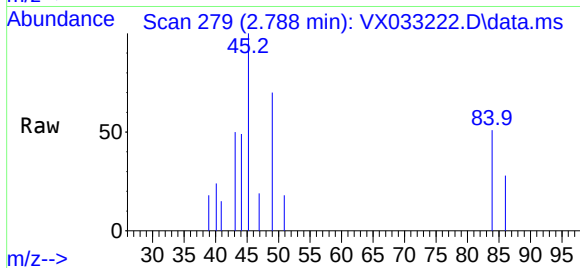
Acq: 05 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001



Tgt Ion: 84 Resp: 402

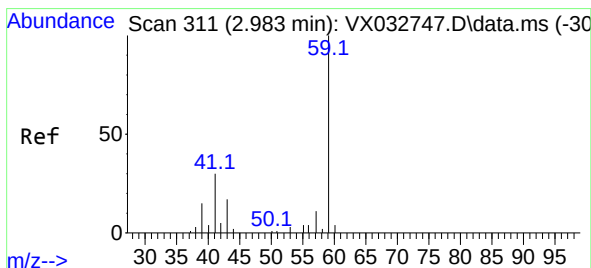
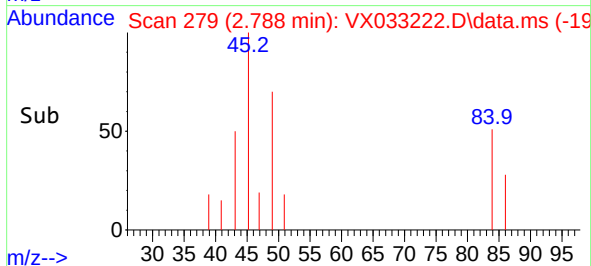
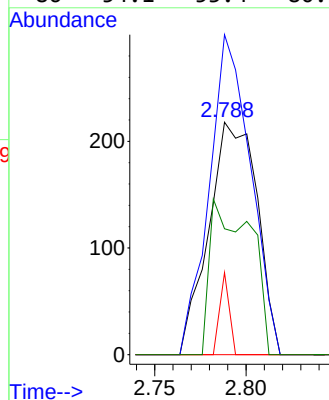
Ion Ratio Lower Upper

84 100

49 137.6 84.6 127.0#

51 35.3 26.5 39.7

86 54.1 53.4 80.2



#23

tert-Butyl Alcohol

Concen: 0.538 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.030 min

Lab File: VX033222.D

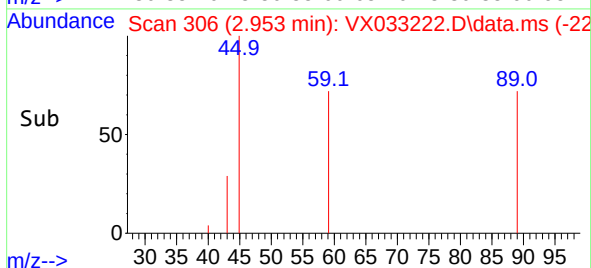
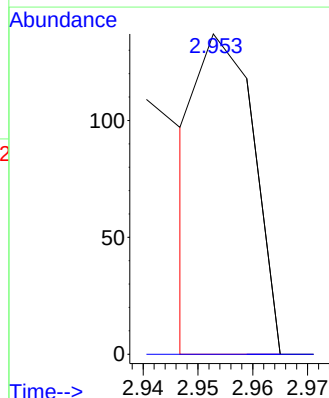
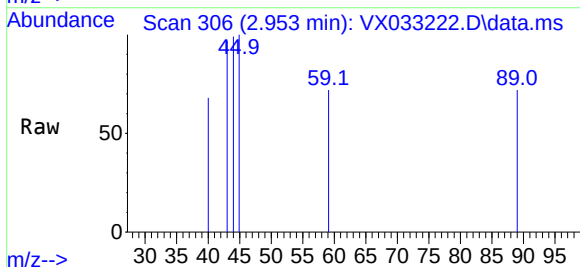
Acq: 05 Dec 2022 13:31

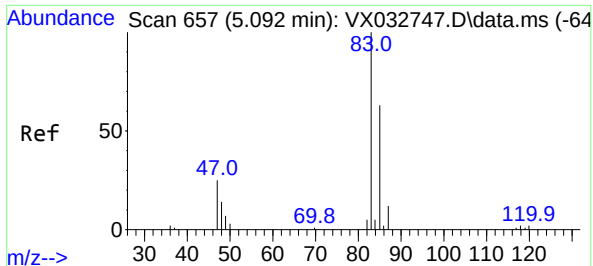
Tgt Ion: 59 Resp: 93

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

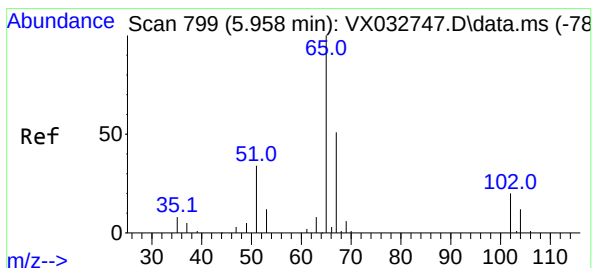
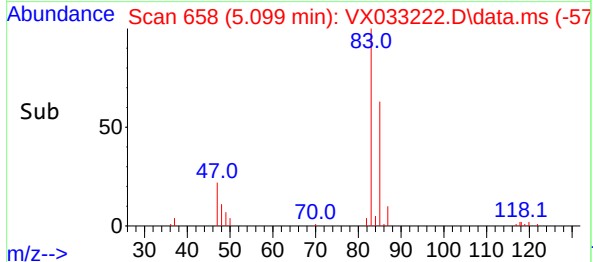
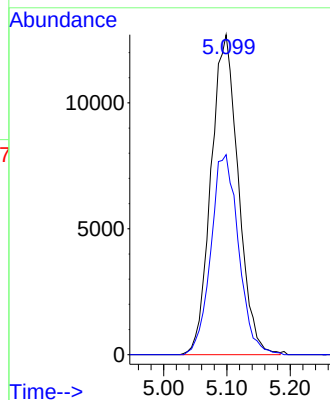
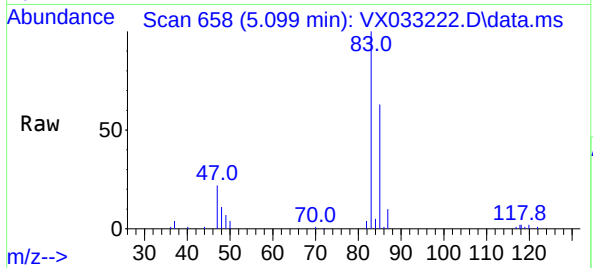




#25
Chloroform
Concen: 17.017 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

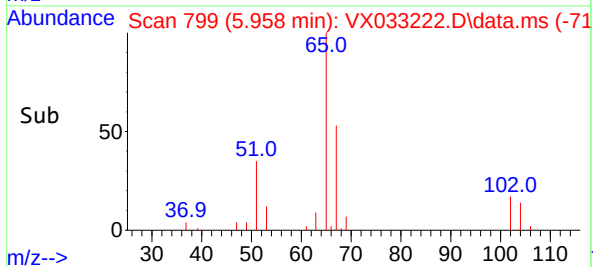
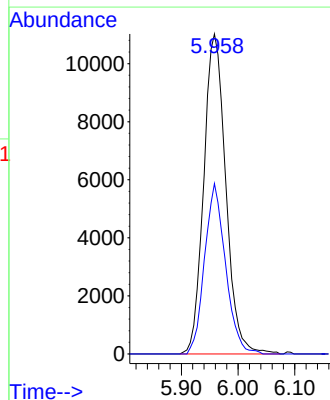
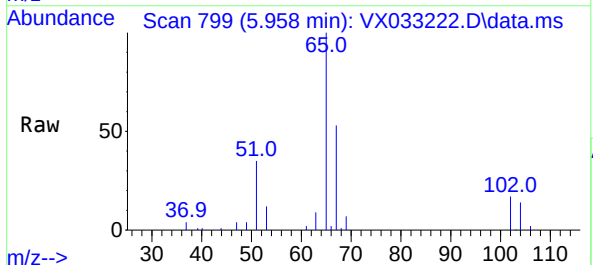
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

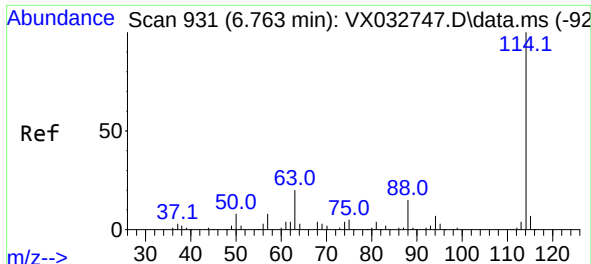
Tgt Ion: 83 Resp: 38036
Ion Ratio Lower Upper
83 100
85 62.5 51.4 77.0



#27
1,2-Dichloroethane-d4
Concen: 30.014 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion: 65 Resp: 29824
Ion Ratio Lower Upper
65 100
67 50.5 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

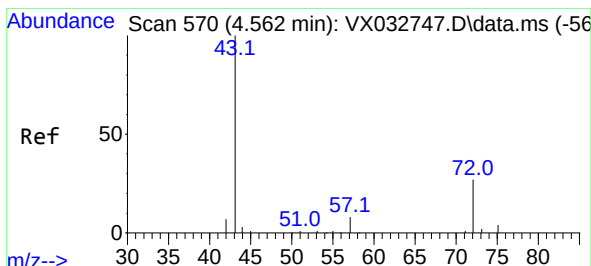
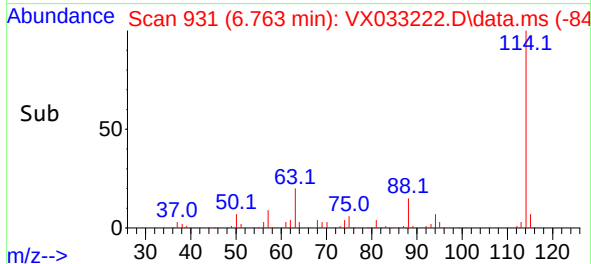
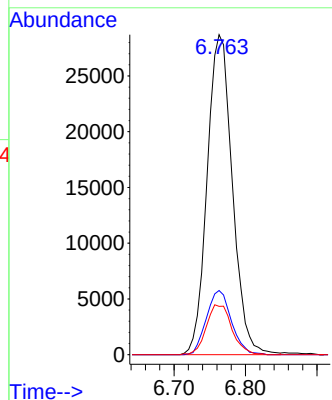
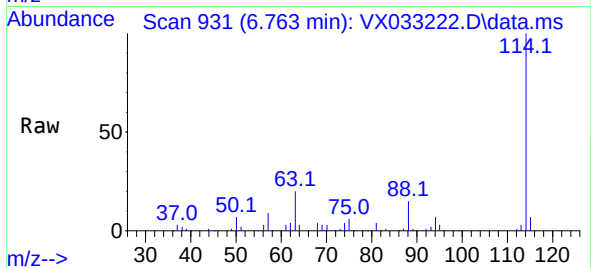
Tgt Ion:114 Resp: 70384

Ion Ratio Lower Upper

114 100

63 19.9 13.6 20.4

88 15.8 11.8 17.6



#30

2-Butanone

Concen: 0.856 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

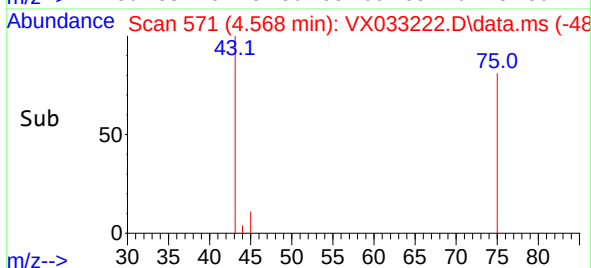
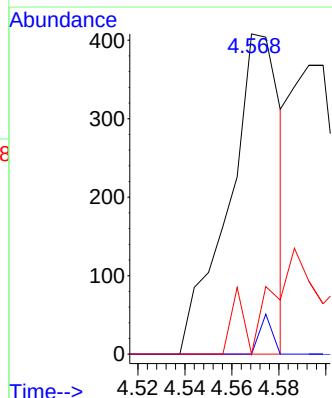
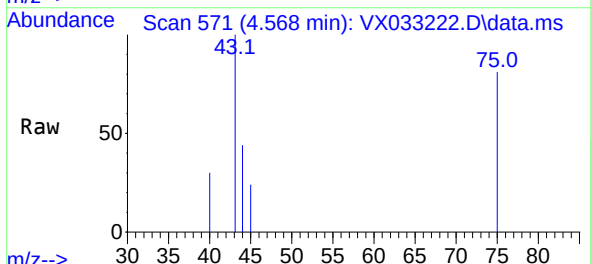
Tgt Ion: 43 Resp: 623

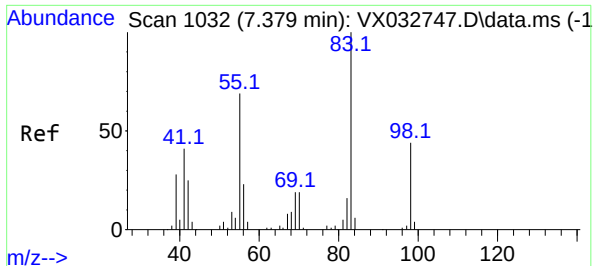
Ion Ratio Lower Upper

43 100

57 0.0 7.5 11.3#

72 5.0 26.6 39.8#





#38

Methylcyclohexane

Concen: 5.110 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.445 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

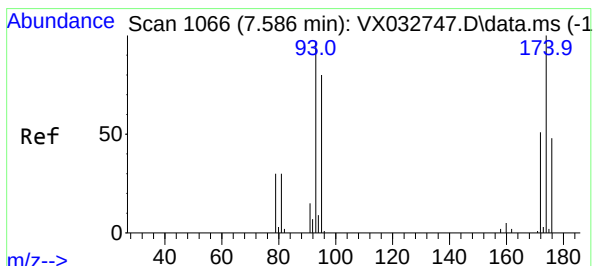
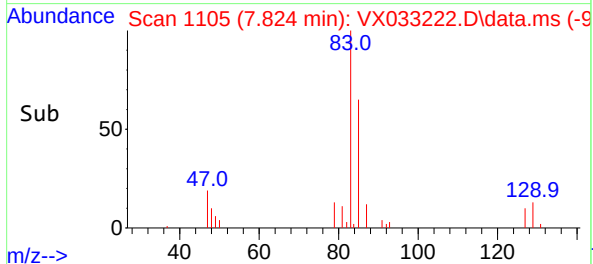
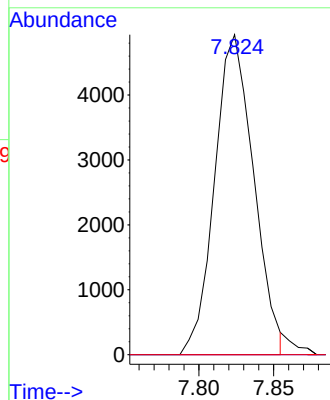
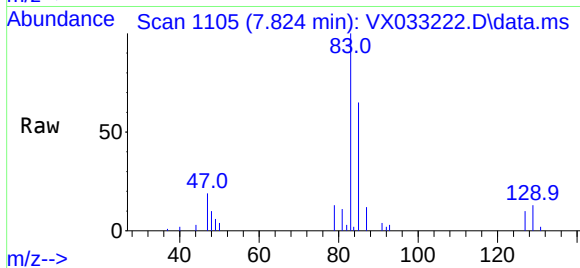
Tgt Ion: 83 Resp: 8938

Ion Ratio Lower Upper

83 100

55 0.0 31.6 94.7#

98 0.0 26.9 80.6#



#40

Dibromomethane

Concen: 0.321 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.238 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

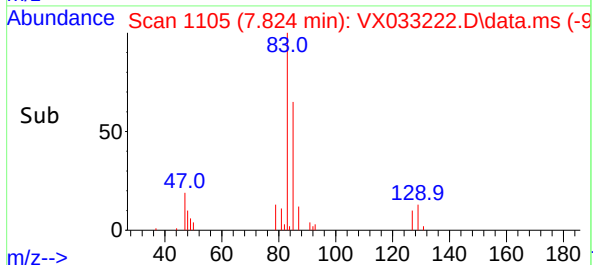
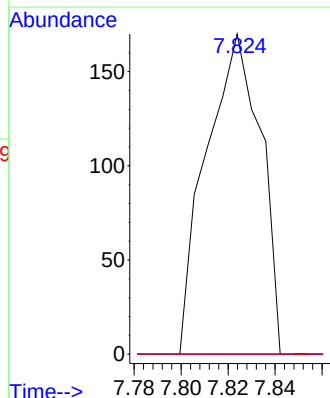
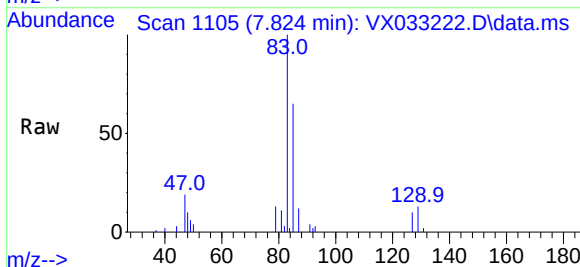
Tgt Ion: 93 Resp: 273

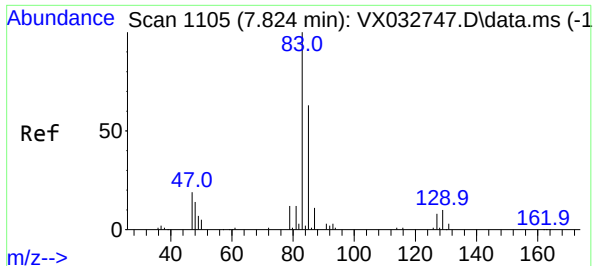
Ion Ratio Lower Upper

93 100

95 0.0 0.0 165.0

174 0.0 0.0 205.2

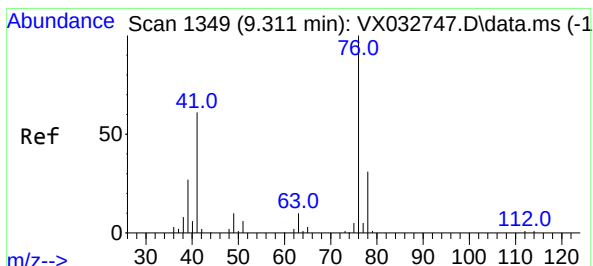
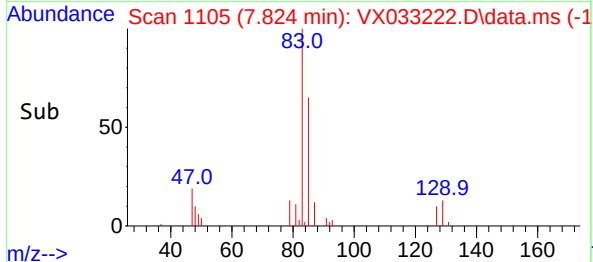
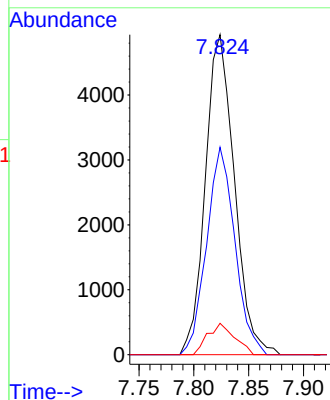
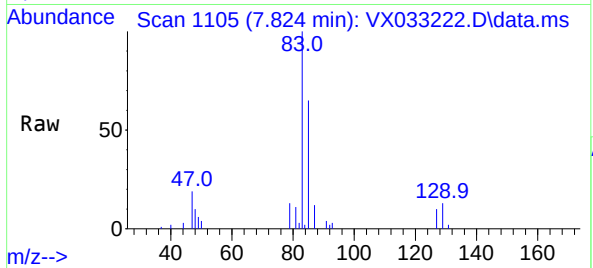




#41
Bromodichloromethane
Concen: 5.613 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

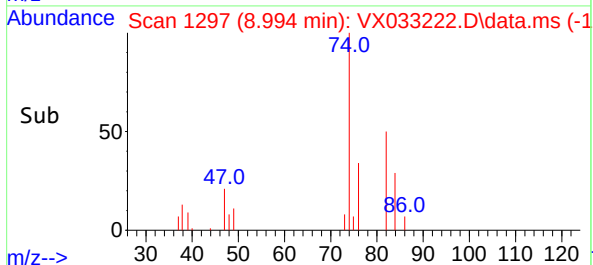
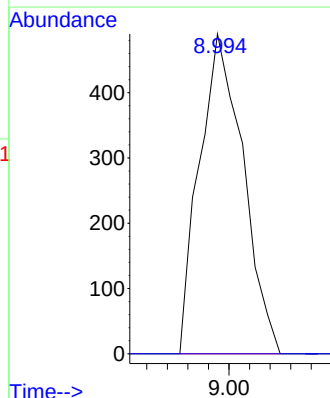
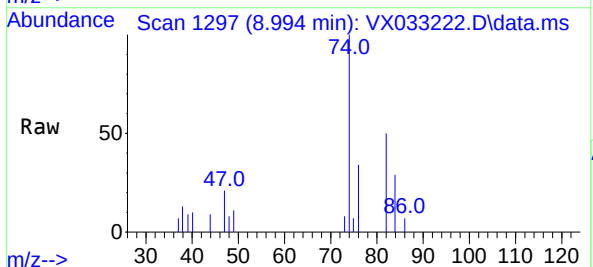
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

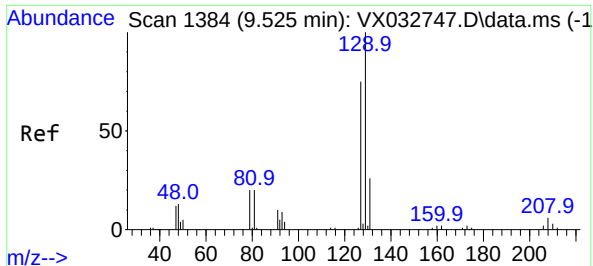
Tgt Ion:	83	Resp:	9094
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5
127	9.8	6.8	10.2



#52
1,3-Dichloropropane
Concen: 0.378 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. -0.317 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion:	76	Resp:	722
Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	66.0

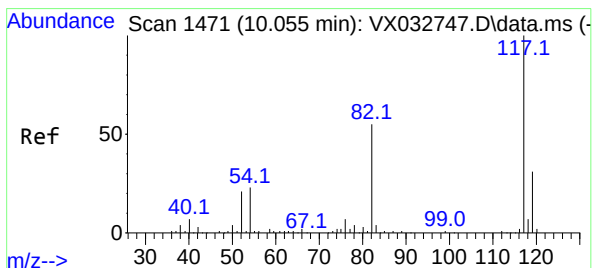
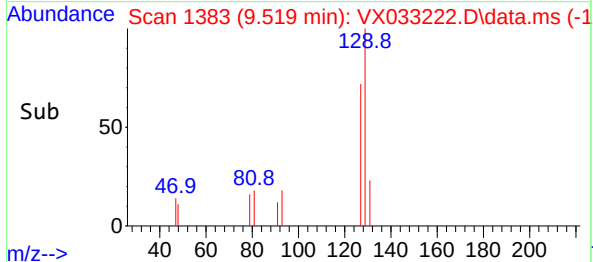
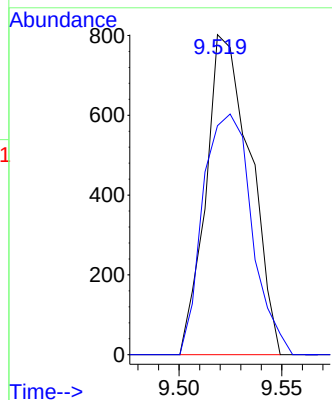
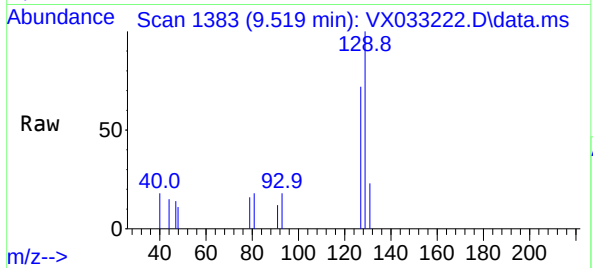




#53
Dibromochloromethane
Concen: 0.947 ug/l
RT: 9.519 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

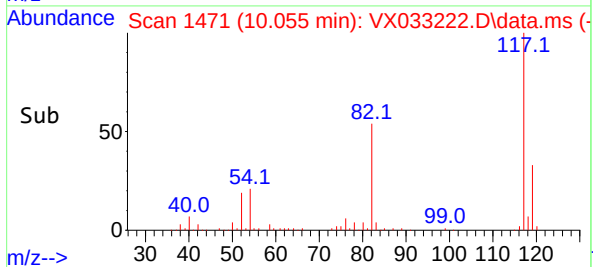
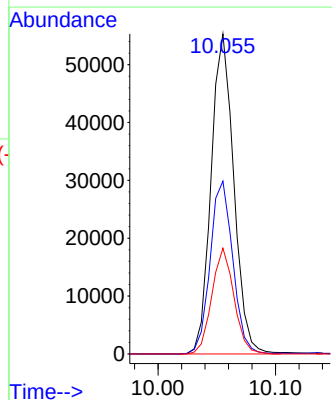
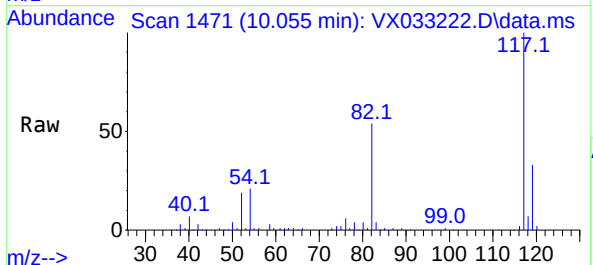
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

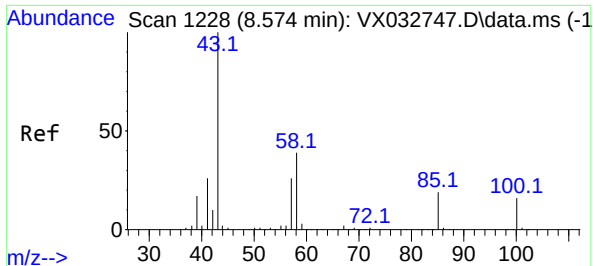
Tgt Ion:129 Resp: 1203
Ion Ratio Lower Upper
129 100
127 82.5 39.0 117.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion:117 Resp: 74342
Ion Ratio Lower Upper
117 100
82 54.0 40.0 60.0
119 32.2 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.602 ug/l

RT: 8.568 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001

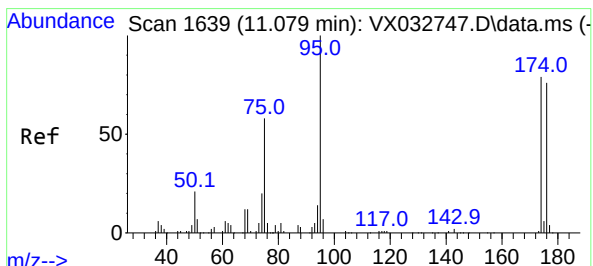
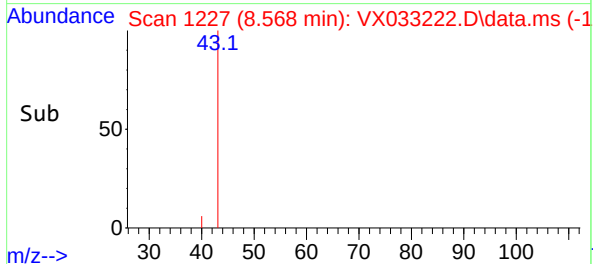
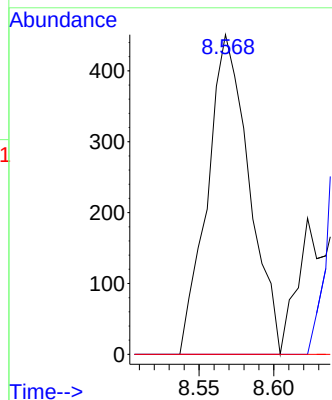
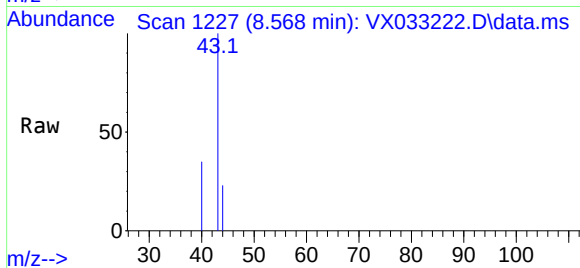
Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.371 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033222.D

Acq: 05 Dec 2022 13:31

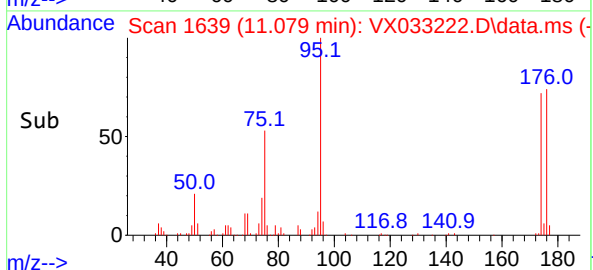
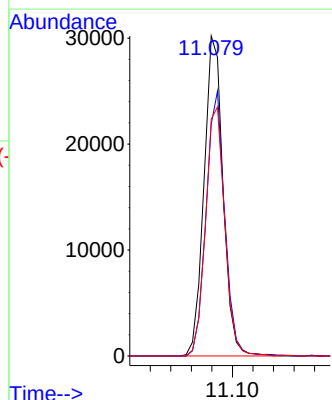
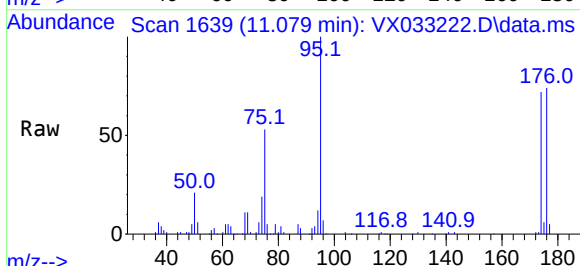
Tgt Ion: 95 Resp: 38923

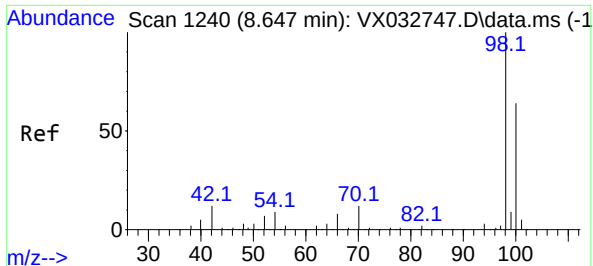
Ion Ratio Lower Upper

95 100

174 80.8 68.2 102.2

176 78.6 68.1 102.1

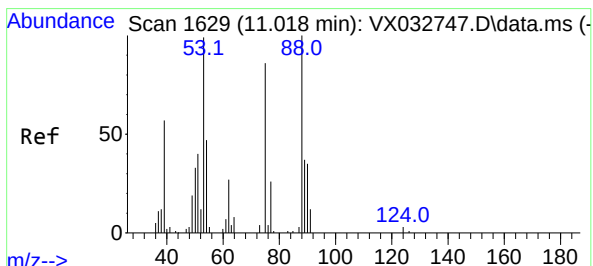
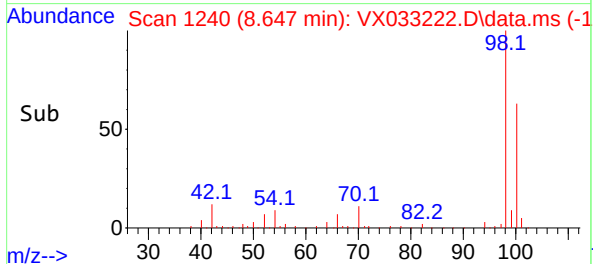
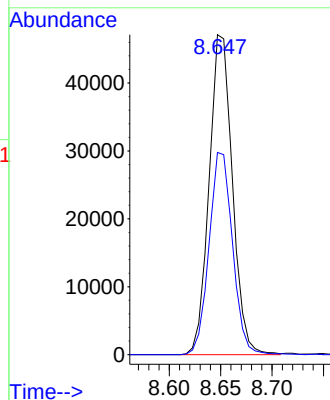
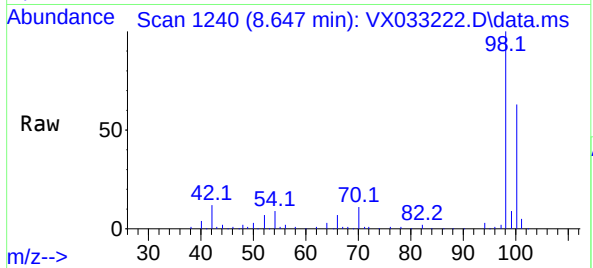




#63
Toluene-d8
Concen: 29.591 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001

Tgt Ion: 98 Resp: 74241
Ion Ratio Lower Upper
98 100
100 63.9 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 45.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033222.D
Acq: 05 Dec 2022 13:31

Tgt Ion: 75 Resp: 20295
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

