

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033777.D
 Acq On : 18 Jan 2023 16:19
 Operator : JC/MD
 Sample : 01137-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN-002-SEWER-OUTLET-002

Quant Time: Jan 19 03:31:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

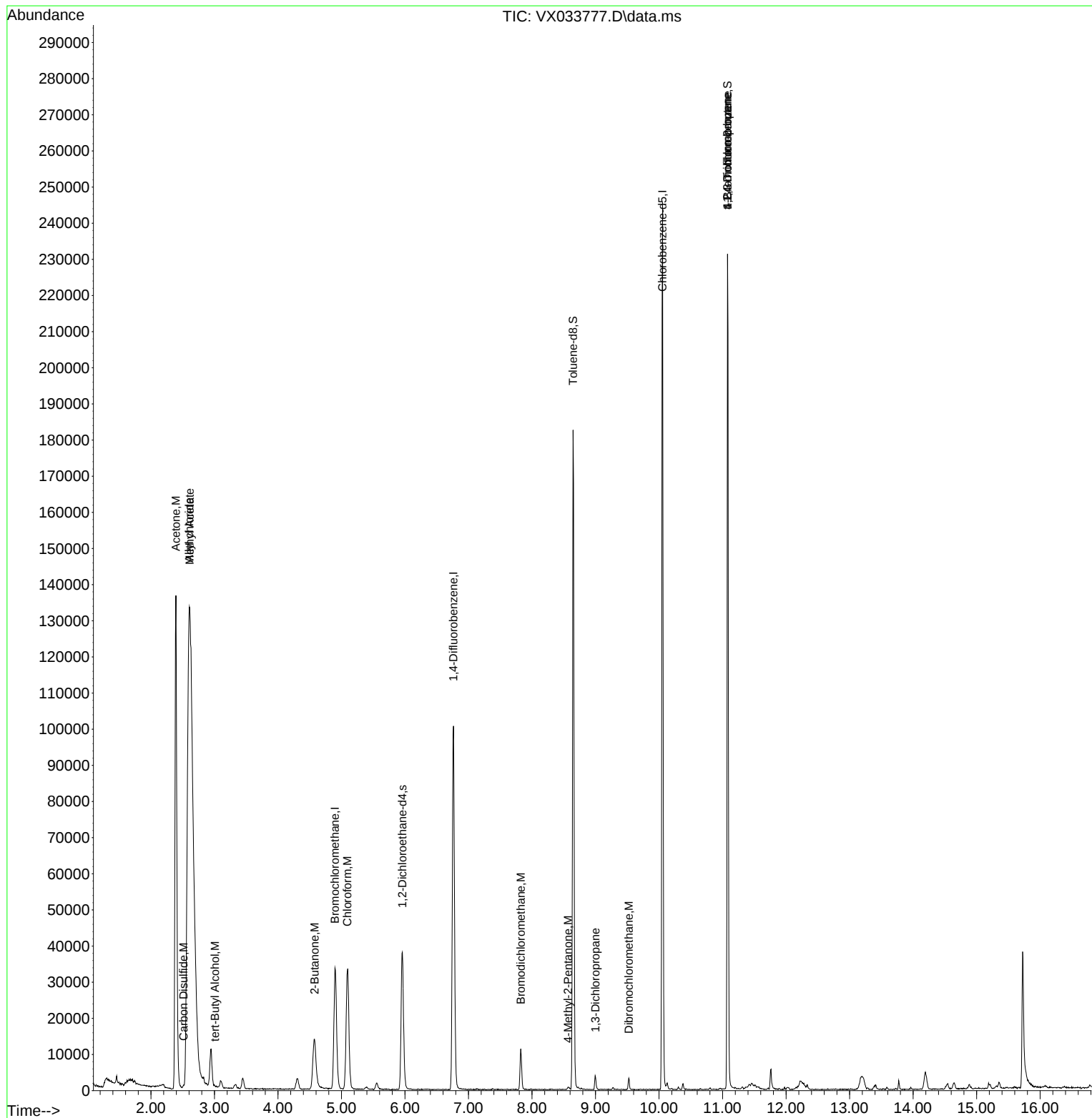
Internal Standards						
1) Bromochloromethane	4.897	128	15491	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	108652	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	115652	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	37481	31.265	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.233%
60) 4-Bromofluorobenzene	11.079	95	62005	29.990	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.967%
63) Toluene-d8	8.647	98	112934	30.607	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.611	43	55658	23.167	ug/l #	54
15) Acetone	2.392	58	55326	235.074	ug/l	99
16) Carbon Disulfide	2.514	76	1067	0.316	ug/l	97
17) Allyl chloride	2.605	41	46225	18.602	ug/l #	65
23) tert-Butyl Alcohol	3.007	59	188	0.695	ug/l #	1
25) Chloroform	5.092	83	41484	15.474	ug/l	97
30) 2-Butanone	4.574	43	810	0.703	ug/l #	56
41) Bromodichloromethane	7.824	83	7420	3.608	ug/l	99
52) 1,3-Dichloropropane	9.000	76	632	0.235	ug/l #	42
53) Dibromochloromethane	9.525	129	1692	0.969	ug/l	94
58) 4-Methyl-2-Pentanone	8.567	43	976	0.470	ug/l #	45
72) 1,2,3-Trichloropropane	11.079	75	29231	14.327	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	29231	46.628	ug/l #	6

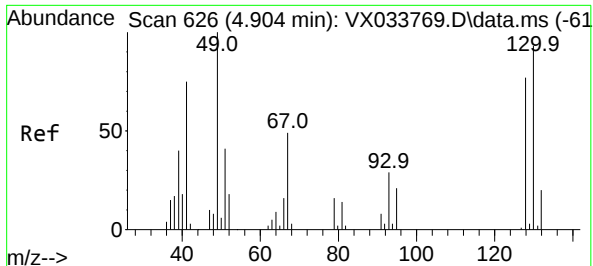
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
Data File : VX033777.D
Acq On : 18 Jan 2023 16:19
Operator : JC/MD
Sample : 01137-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

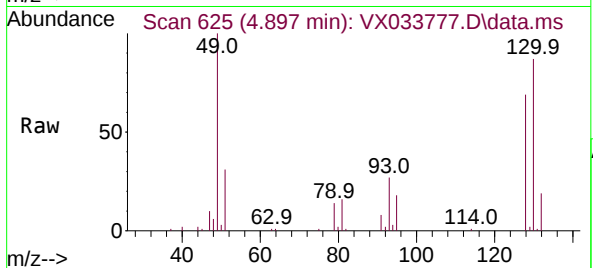
Quant Time: Jan 19 03:31:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
Response via : Initial Calibration



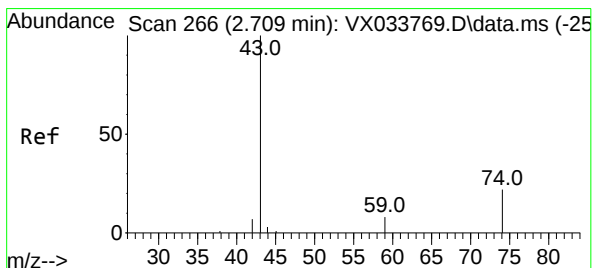
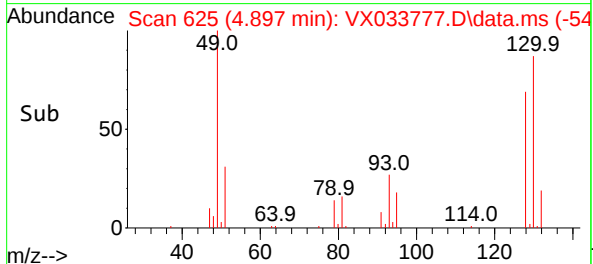
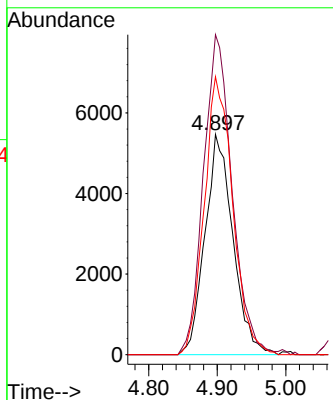


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

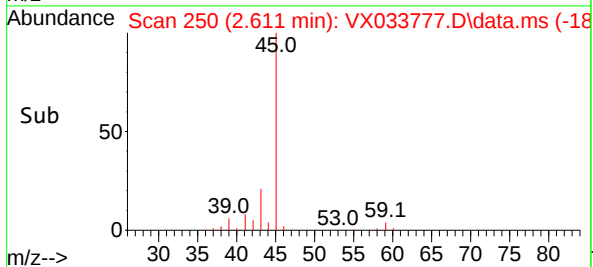
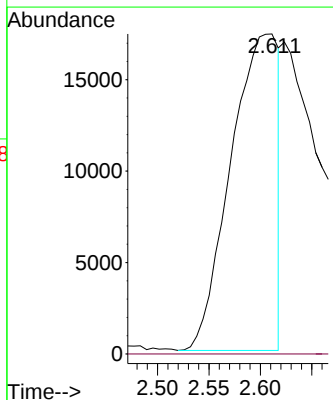
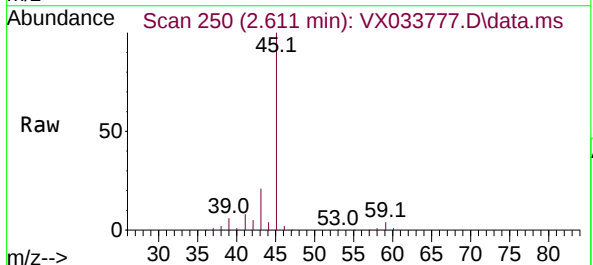


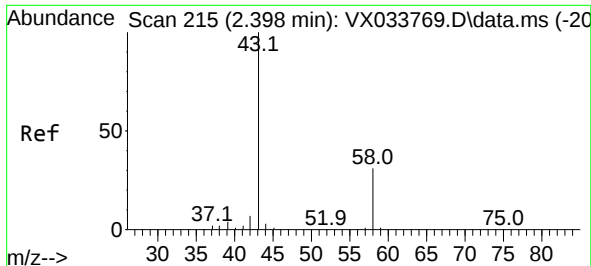
Tgt Ion:128 Resp: 15491
Ion Ratio Lower Upper
128 100
49 148.3 0.0 369.0
130 129.2 0.0 327.5



#12
Methyl Acetate
Concen: 23.167 ug/l
RT: 2.611 min Scan# 250
Delta R.T. -0.098 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Tgt Ion: 43 Resp: 55658
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#





#15

Acetone

Concen: 235.074 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX033777.D

Acq: 18 Jan 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

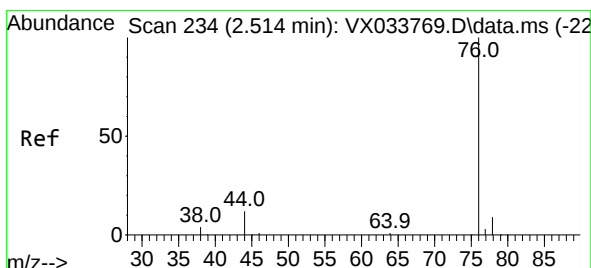
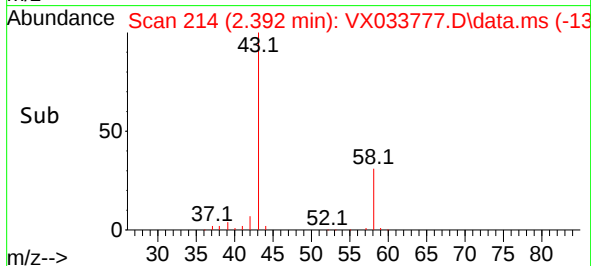
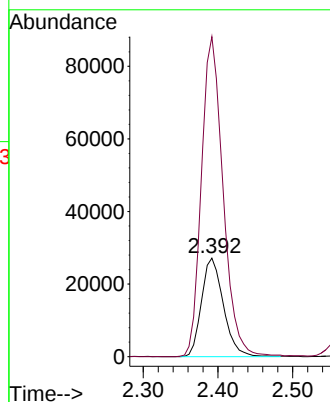
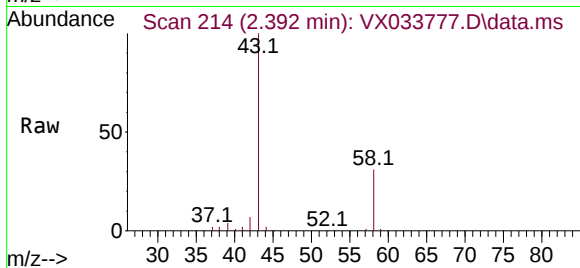
DSN-002-SEWER-OUTLET-002

Tgt Ion: 58 Resp: 55326

Ion Ratio Lower Upper

58 100

43 324.5 258.6 388.0



#16

Carbon Disulfide

Concen: 0.316 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033777.D

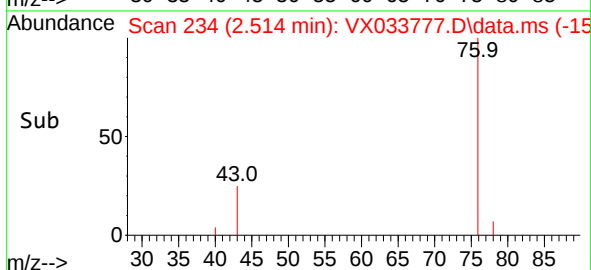
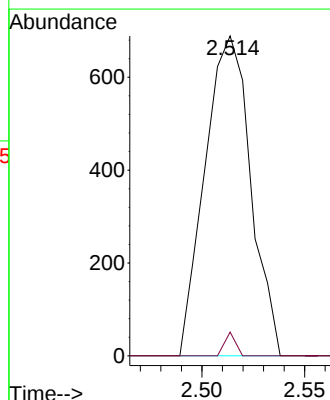
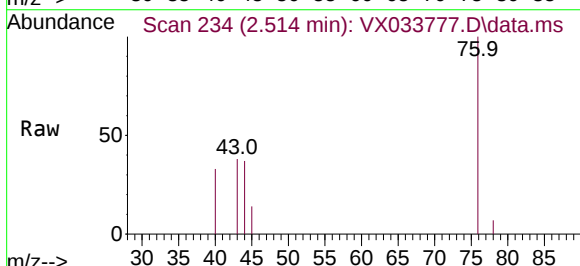
Acq: 18 Jan 2023 16:19

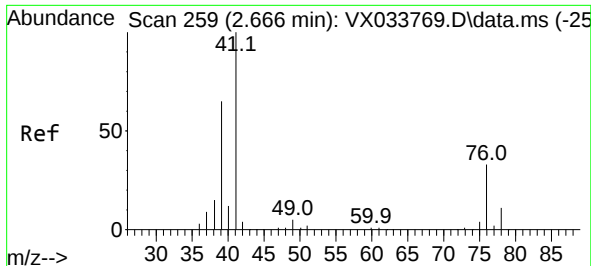
Tgt Ion: 76 Resp: 1067

Ion Ratio Lower Upper

76 100

78 7.4 6.9 10.3





#17

Allyl chloride

Concen: 18.602 ug/l

RT: 2.605 min Scan# 24

Delta R.T. -0.061 min

Lab File: VX033777.D

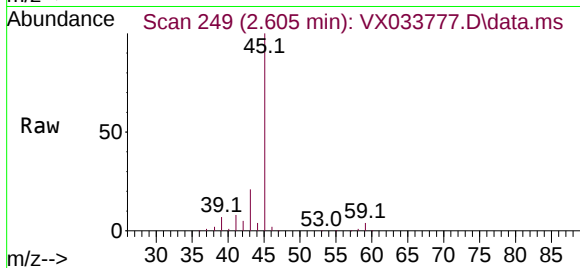
Acq: 18 Jan 2023 16:19

Instrument :

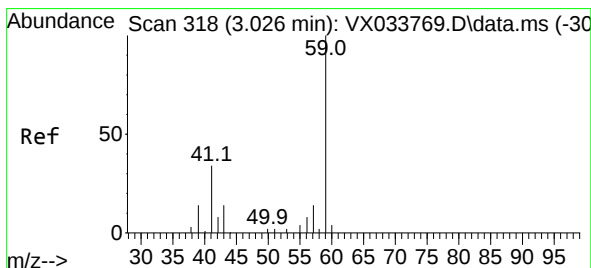
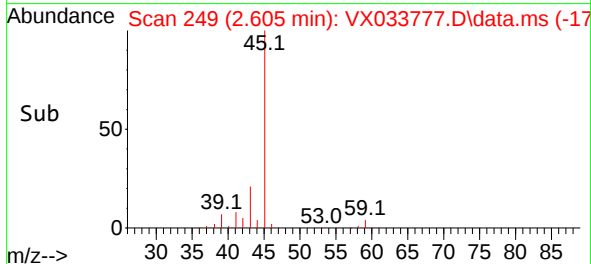
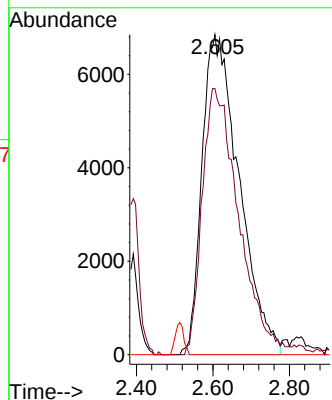
MSVOA_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002



Tgt Ion:	41	Resp:	46225
Ion Ratio	Lower	Upper	
41	100		
39	83.2	32.5	97.4
76	0.0	16.6	49.8#



#23

tert-Butyl Alcohol

Concen: 0.695 ug/l

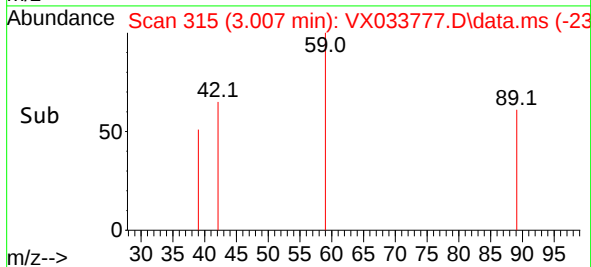
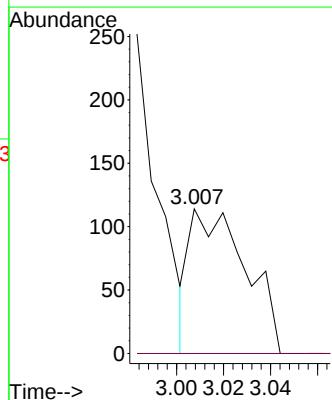
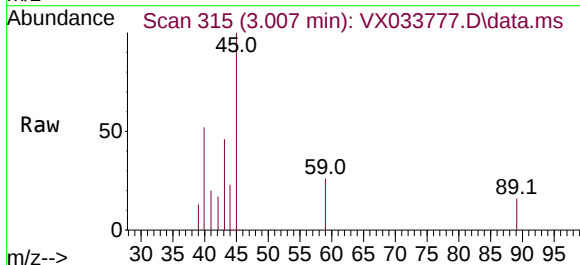
RT: 3.007 min Scan# 315

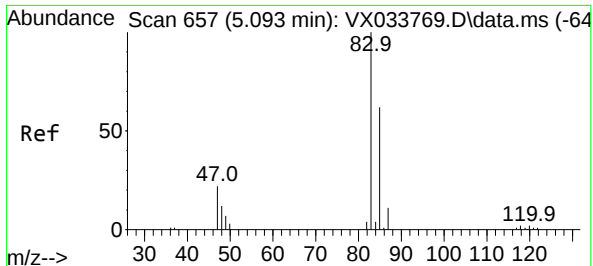
Delta R.T. -0.018 min

Lab File: VX033777.D

Acq: 18 Jan 2023 16:19

Tgt Ion:	59	Resp:	188
Ion Ratio	Lower	Upper	
59	100		
52	0.0	186.7	280.1#





#25

Chloroform

Concen: 15.474 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX033777.D

Acq: 18 Jan 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

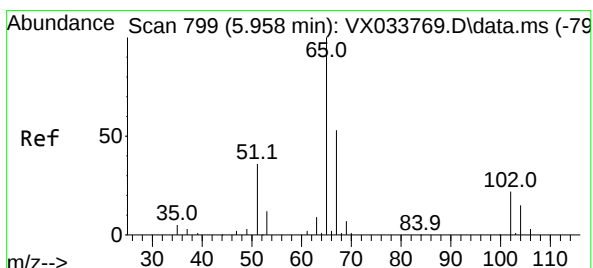
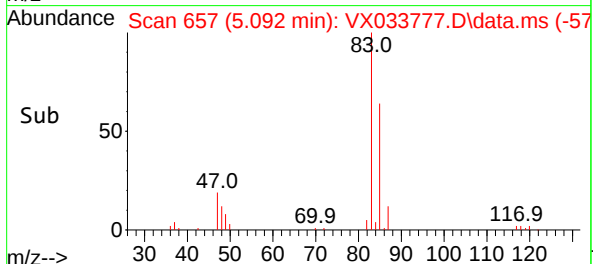
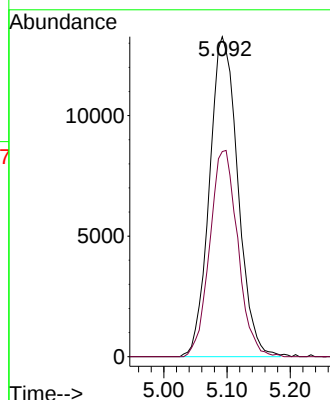
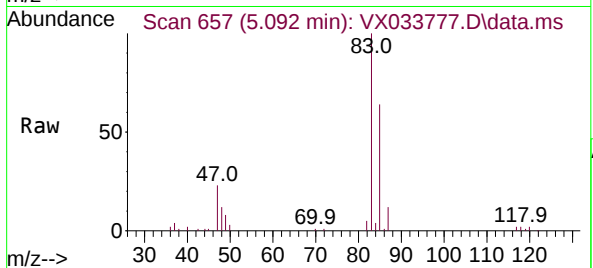
DSN-002-SEWER-OUTLET-002

Tgt Ion: 83 Resp: 41484

Ion Ratio Lower Upper

83 100

85 64.1 49.7 74.5



#27

1,2-Dichloroethane-d4

Concen: 31.265 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033777.D

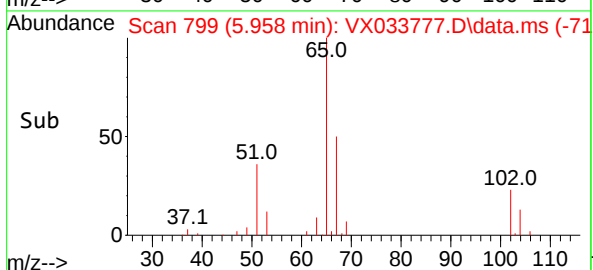
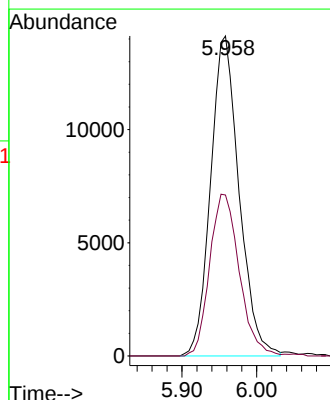
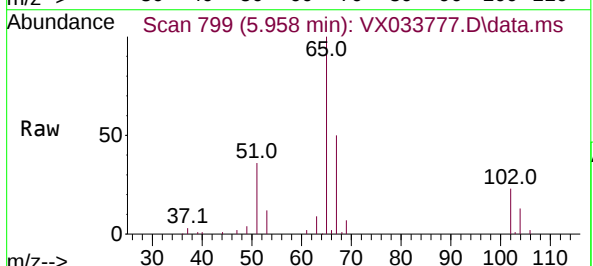
Acq: 18 Jan 2023 16:19

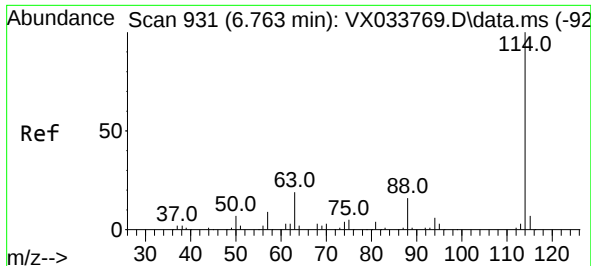
Tgt Ion: 65 Resp: 37481

Ion Ratio Lower Upper

65 100

67 52.4 43.0 64.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX033777.D

Acq: 18 Jan 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002

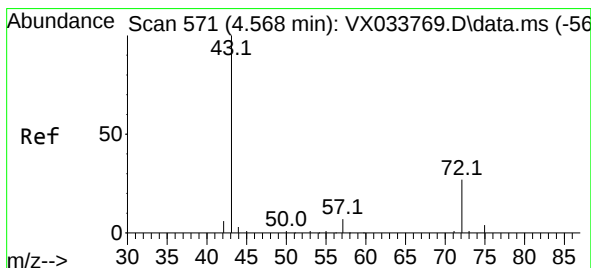
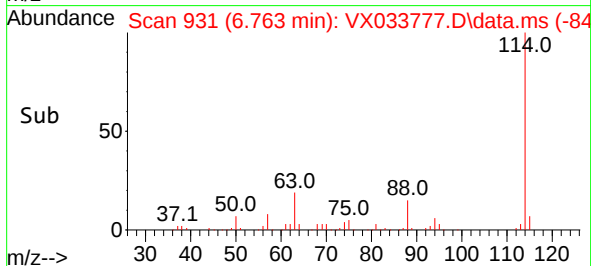
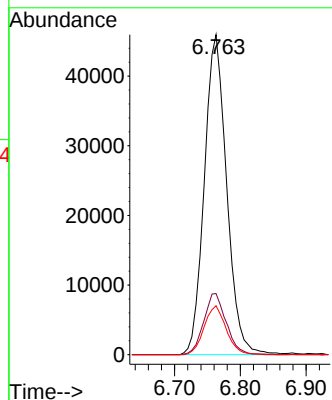
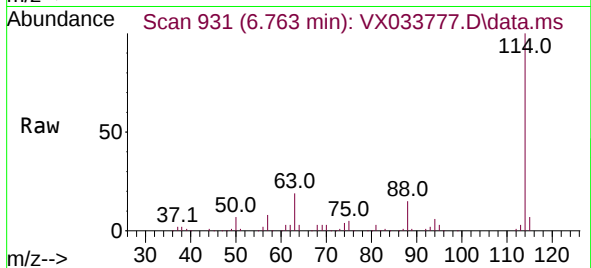
Tgt Ion:114 Resp: 108652

Ion Ratio Lower Upper

114 100

63 19.3 15.2 22.8

88 15.1 12.4 18.6



#30

2-Butanone

Concen: 0.703 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX033777.D

Acq: 18 Jan 2023 16:19

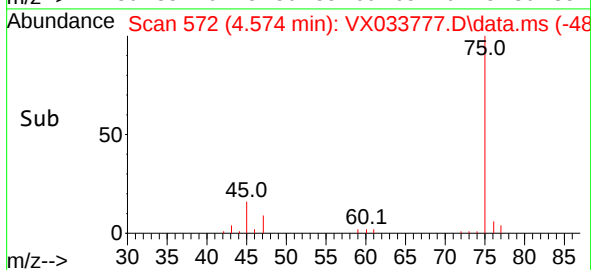
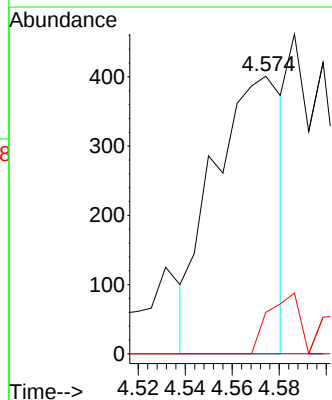
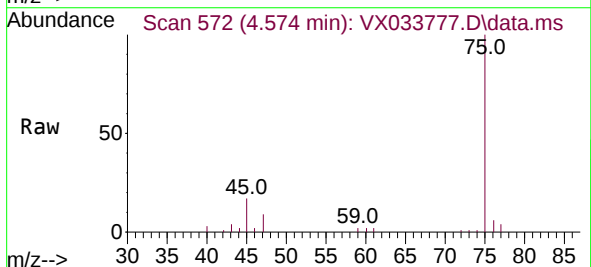
Tgt Ion: 43 Resp: 810

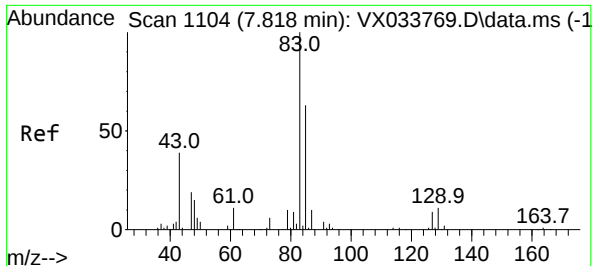
Ion Ratio Lower Upper

43 100

57 0.0 6.0 9.0#

72 0.0 20.6 30.8#

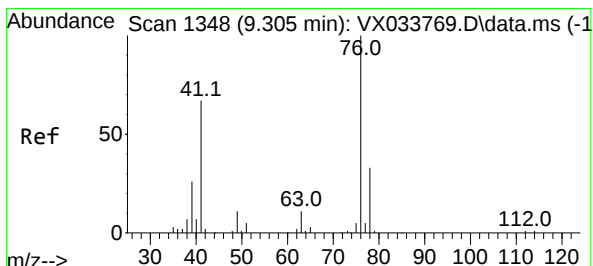
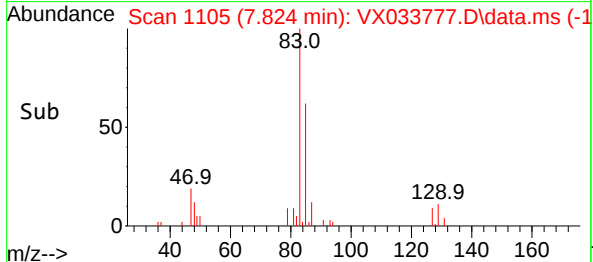
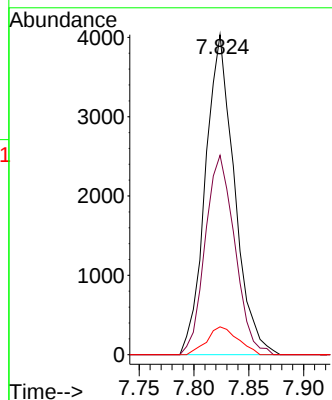
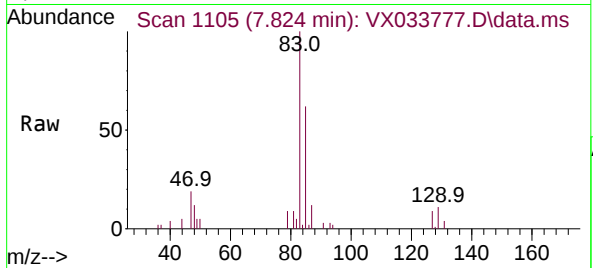




#41
Bromodichloromethane
Concen: 3.608 ug/l
RT: 7.824 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

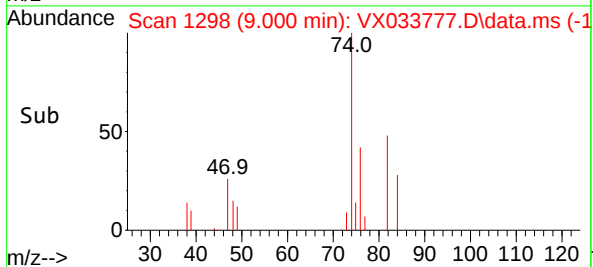
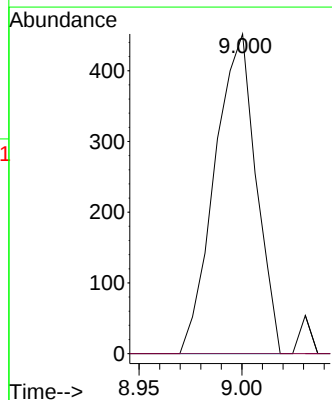
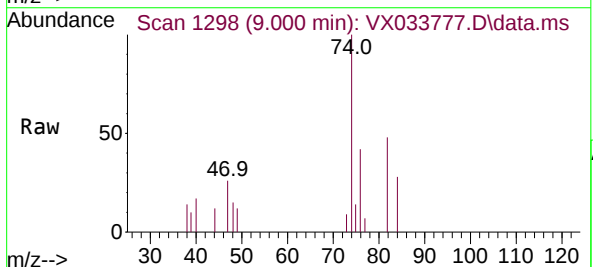
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

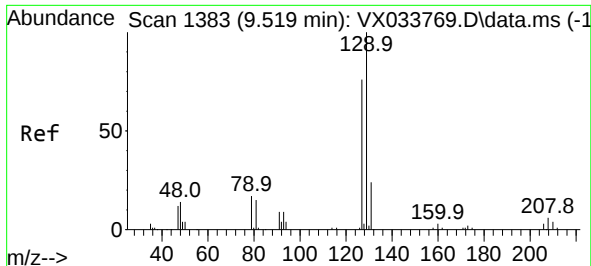
Tgt Ion: 83 Resp: 7420
Ion Ratio Lower Upper
83 100
85 62.3 50.5 75.7
127 8.7 7.2 10.8



#52
1,3-Dichloropropane
Concen: 0.235 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. -0.305 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Tgt Ion: 76 Resp: 632
Ion Ratio Lower Upper
76 100
78 0.0 0.0 65.6

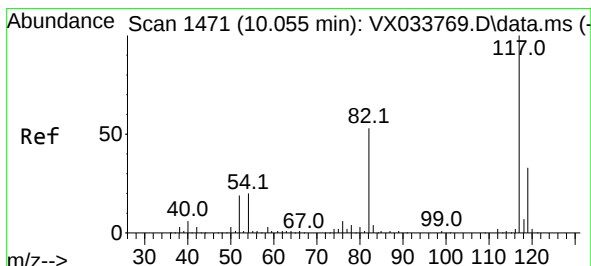
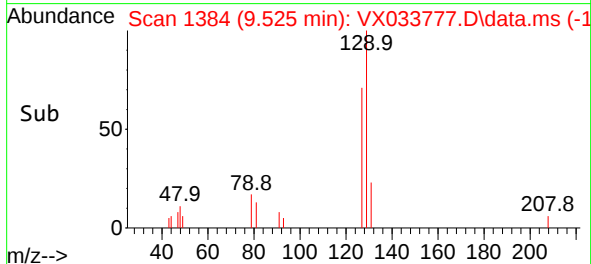
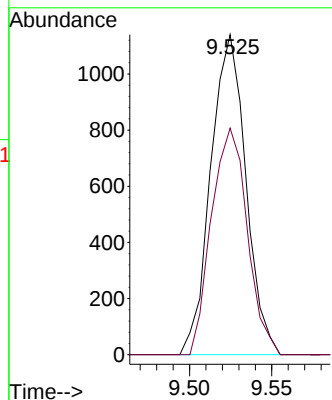
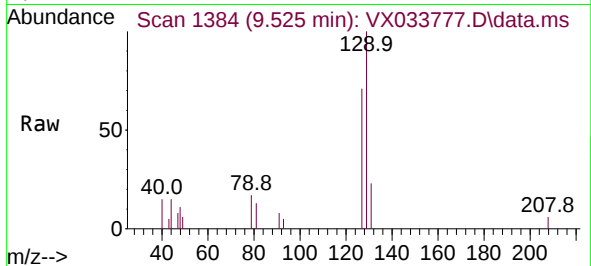




#53
Dibromochloromethane
Concen: 0.969 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

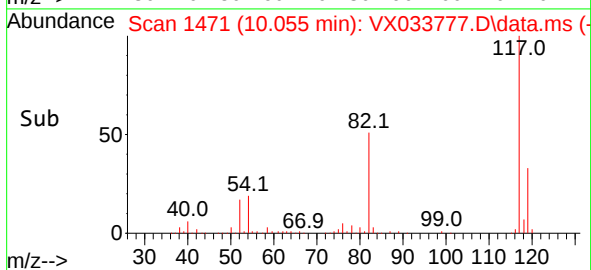
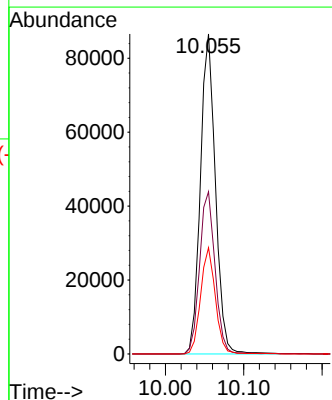
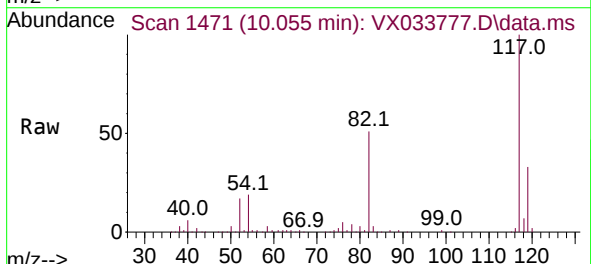
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

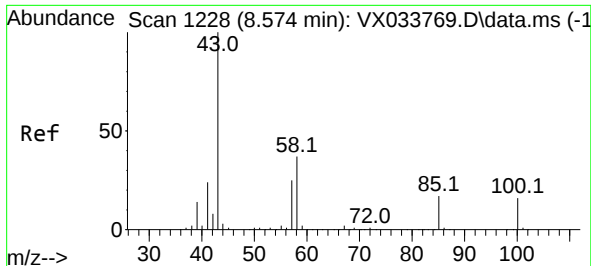
Tgt Ion:129 Resp: 1692
Ion Ratio Lower Upper
129 100
127 72.2 38.6 116.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Tgt Ion:117 Resp: 115652
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.4 26.4 39.6

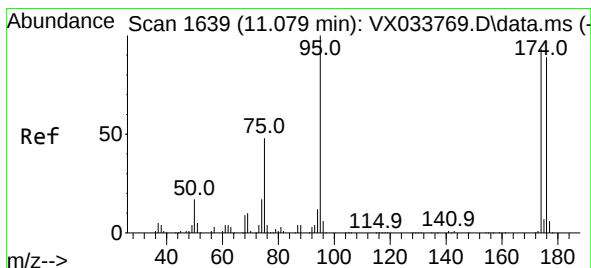
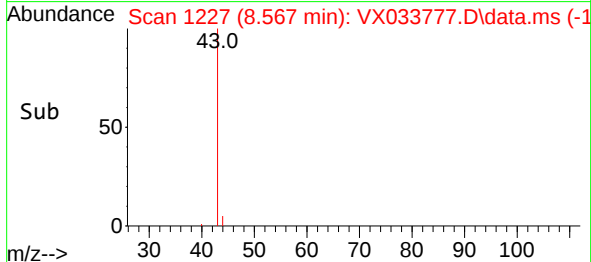
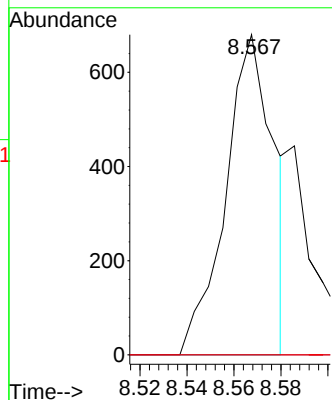
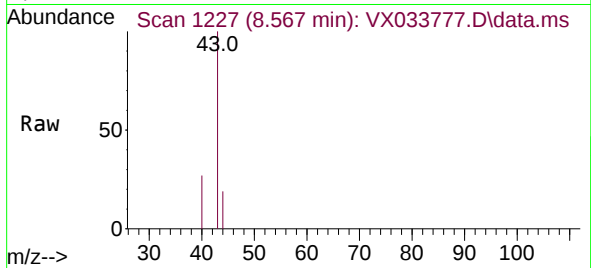




#58
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

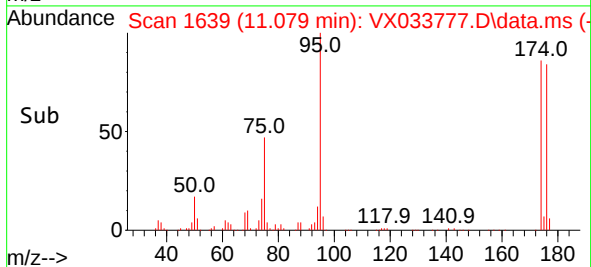
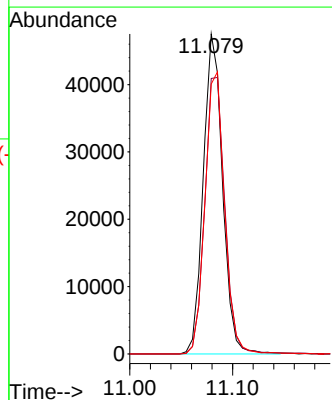
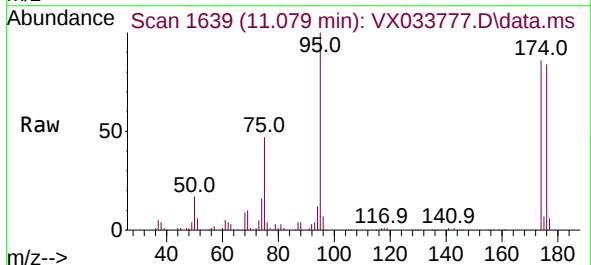
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

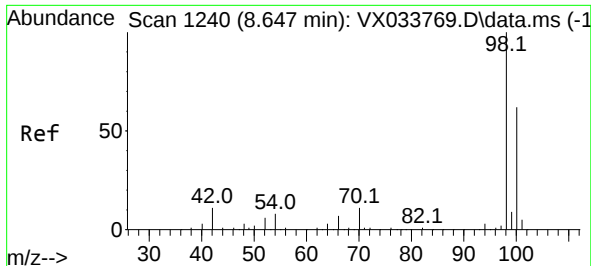
Tgt Ion:	43	Resp:	976
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.6#
85	0.0	13.7	20.5#



#60
4-Bromofluorobenzene
Concen: 29.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Tgt Ion:	95	Resp:	62005
Ion	Ratio	Lower	Upper
95	100		
174	89.7	74.6	111.8
176	89.2	72.2	108.2

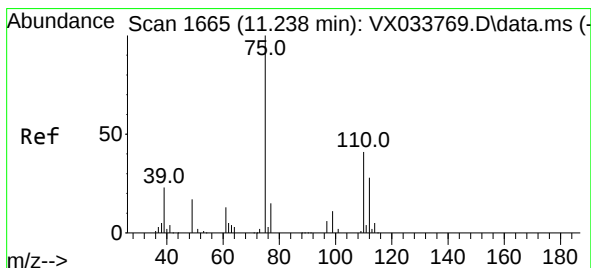
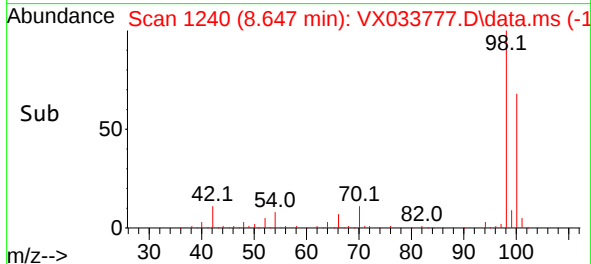
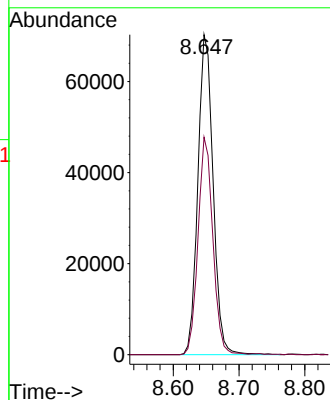
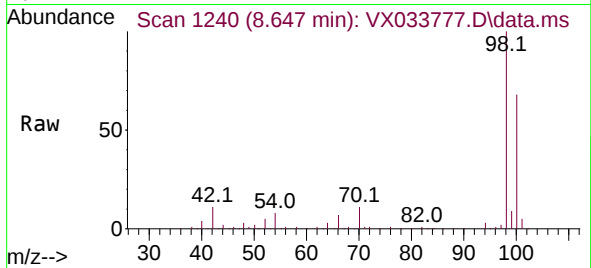




#63
Toluene-d8
Concen: 30.607 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

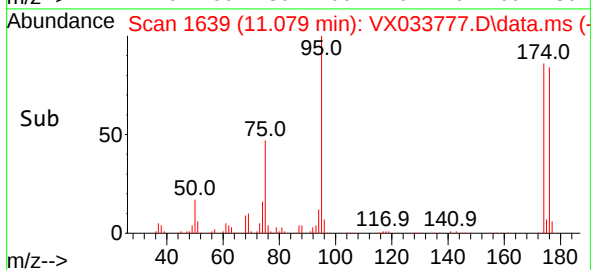
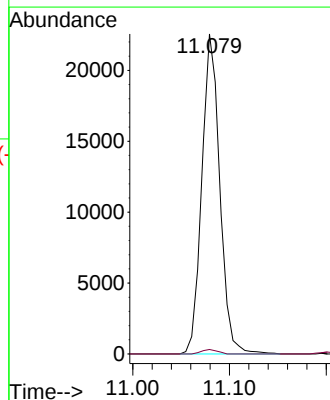
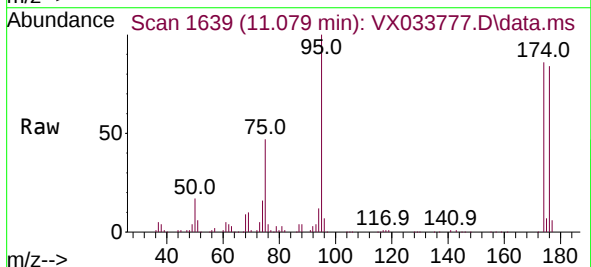
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

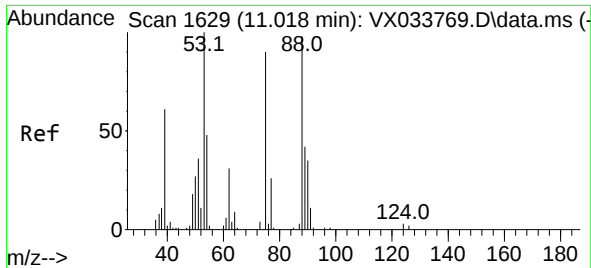
Tgt Ion: 98 Resp: 112934
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 14.327 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

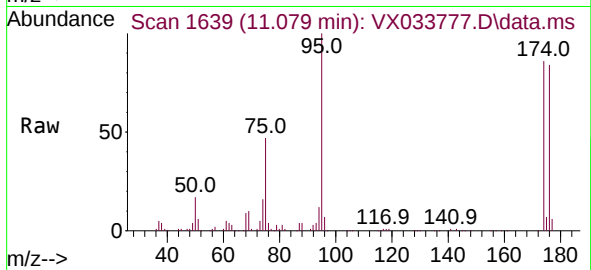
Tgt Ion: 75 Resp: 29231
Ion Ratio Lower Upper
75 100
77 1.3 0.0 75.6





#77
t-1,4-Dichloro-2-butene
Concen: 46.628 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX033777.D
Acq: 18 Jan 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002



Tgt Ion: 75 Resp: 29231
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.0 23.3 69.8#

