

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112020\
 Data File : VX019485.D
 Acq On : 19 Nov 2020 22:47
 Operator : JC/MD
 Sample : L4834-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 20 01:39:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 20 01:06:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	47861	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	256302	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	237319	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	104514	30.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.12	95	106268	27.46	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.53%
63) Toluene-d8	8.70	98	306731	29.00	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.67%

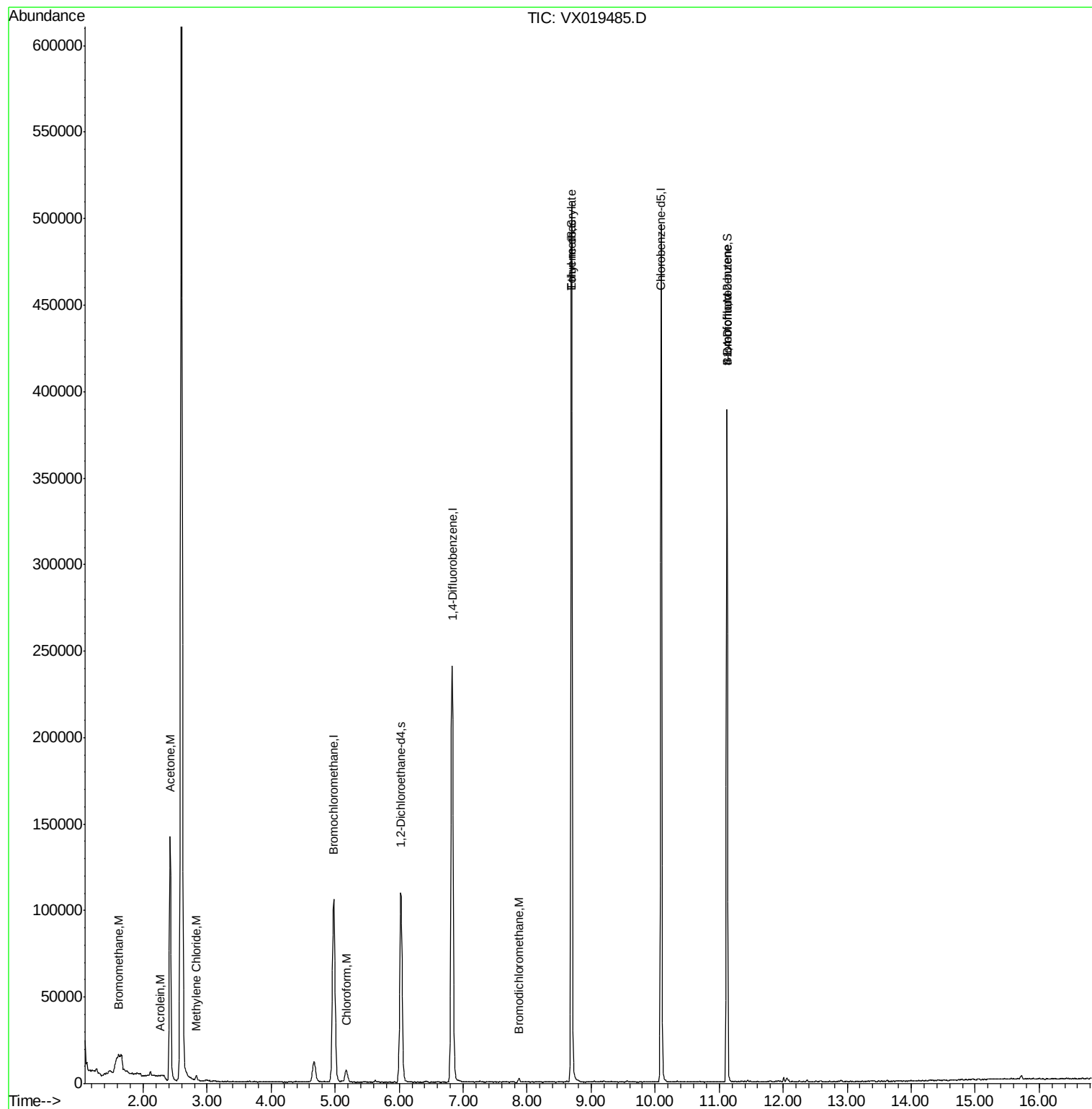
Target Compounds					Ovalue
5) Bromomethane	1.62	94	471	0.379 ug/l	95
13) Acrolein	2.26	56	181	0.381 ug/l	93
15) Acetone	2.42	58	50252	111.675 ug/l	99
18) Methylene Chloride	2.83	84	1267	0.395 ug/l	92
25) Chloroform	5.18	83	8621	1.577 ug/l	92
41) Bromodichloromethane	7.87	83	1406	0.340 ug/l	88
51) Ethyl methacrylate	8.70	69	1138	0.253 ug/l	94
56) Bromoform	11.12	173	665	0.299 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.12	75	51990	35.311 ug/l #	12

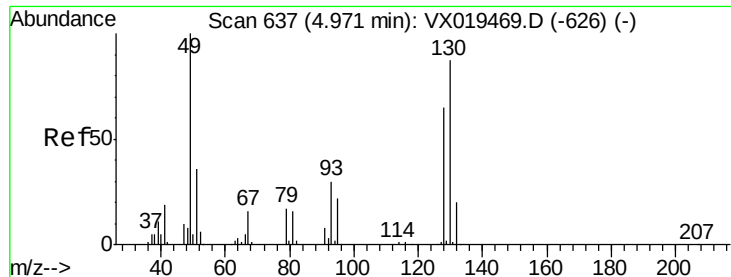
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112020\
Data File : VX019485.D
Acq On : 19 Nov 2020 22:47
Operator : JC/MD
Sample : L4834-02 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 20 01:39:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 20 01:06:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. 0.01 min

Lab File: VX019485.D

Acq: 19 Nov 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002

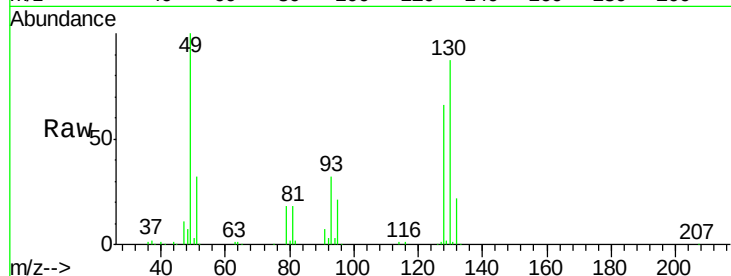
Tot Ion:128 Resp: 47861

Ion Ratio Lower Upper

128 100

49 146.4 0.0 377.8

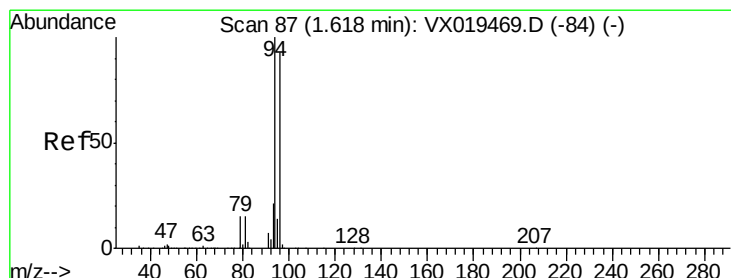
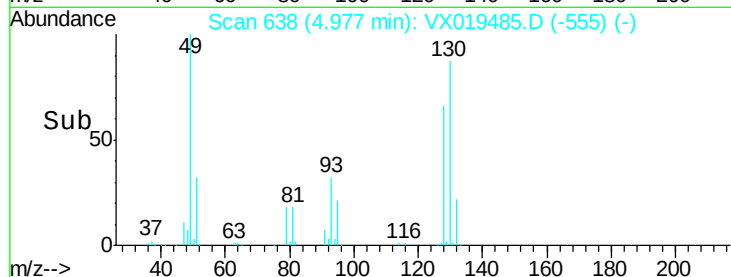
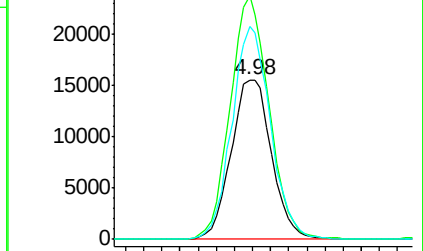
130 127.7 0.0 324.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.379 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019485.D

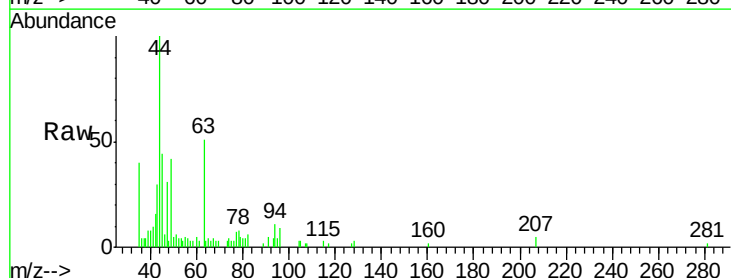
Acq: 19 Nov 2020 22:47

Tgt Ion: 94 Resp: 471

Ion Ratio Lower Upper

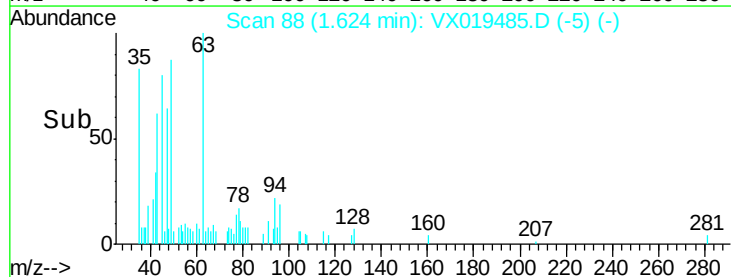
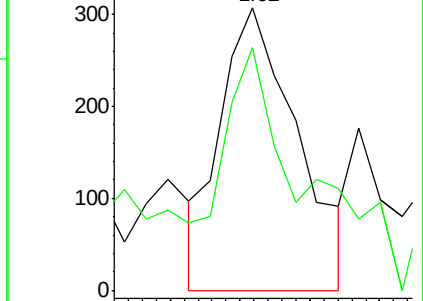
94 100

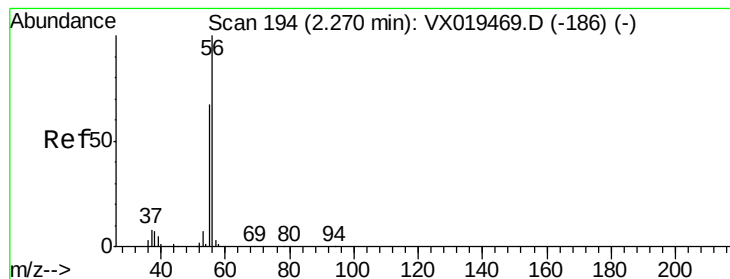
96 88.4 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.381 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019485.D

Acq: 19 Nov 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

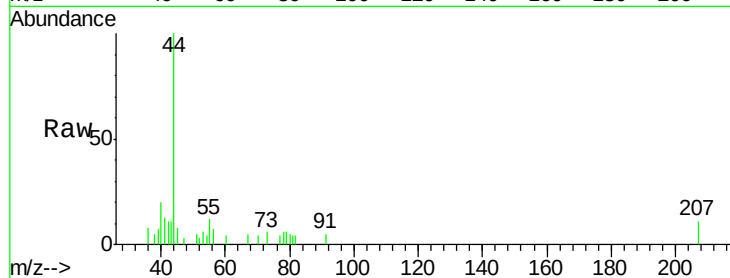
DSN-002-SEWER-OUTLET-002

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

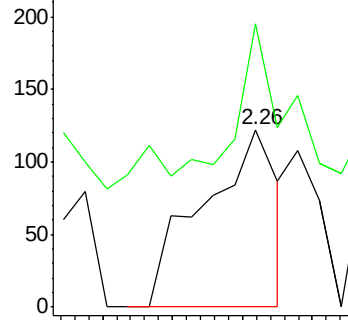
56 100

55 65.2 56.5 84.7

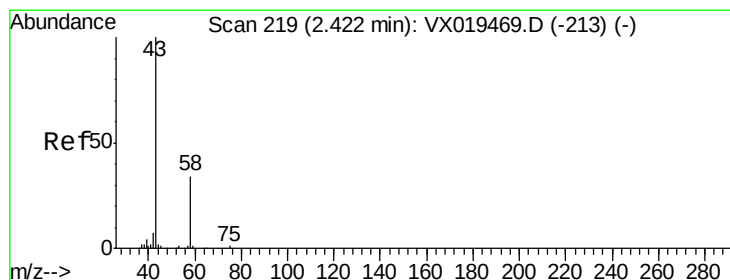
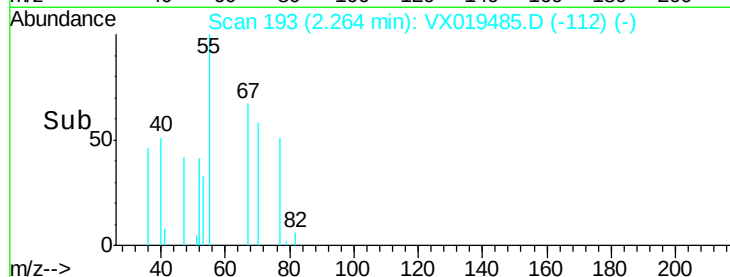


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acetone

Concen: 111.675 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019485.D

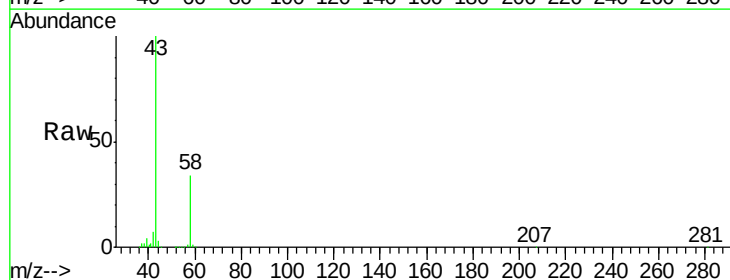
Acq: 19 Nov 2020 22:47

Tgt Ion: 58 Resp: 50252

Ion Ratio Lower Upper

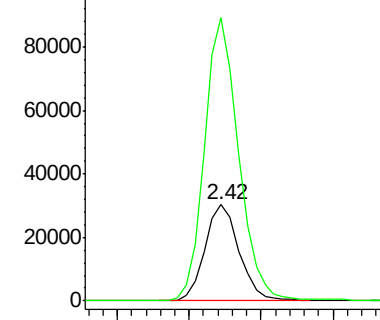
58 100

43 293.4 236.3 354.5

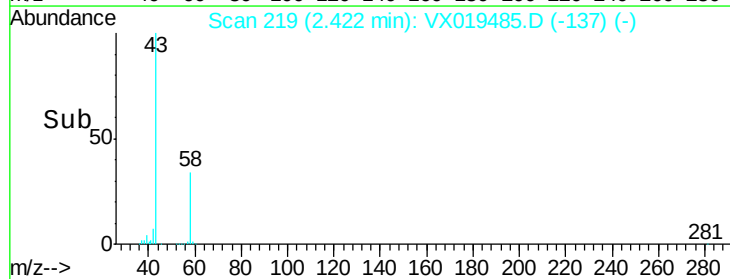


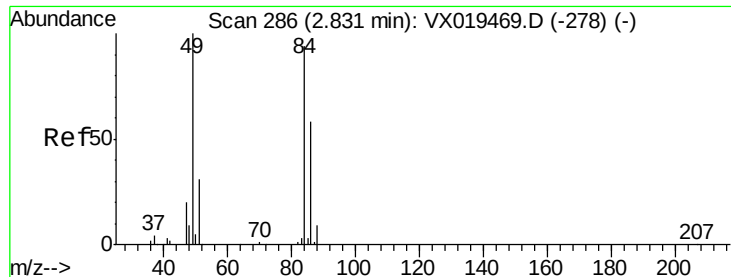
Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time-->

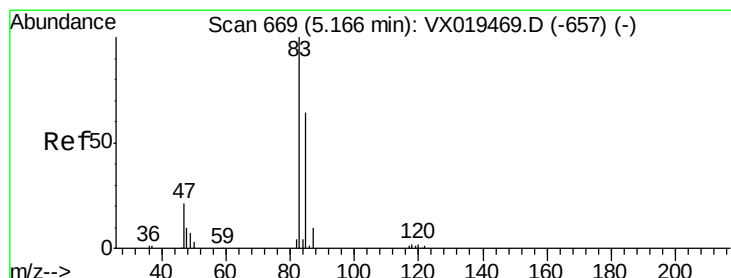
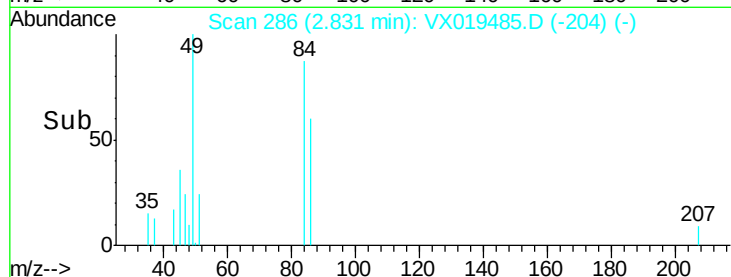
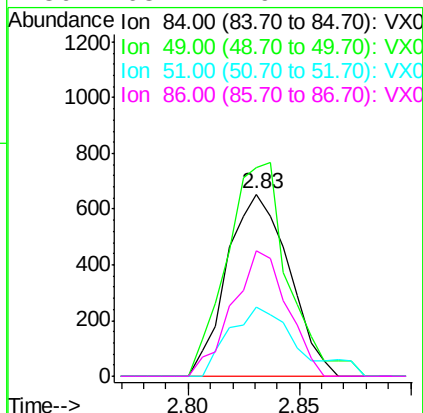
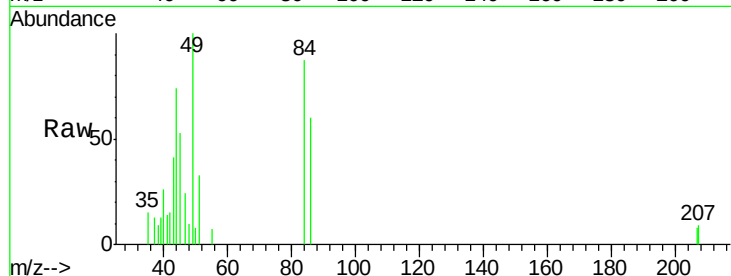




#18
Methvlene Chloride
Concen: 0.395 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019485.D
Acq: 19 Nov 2020 22:47

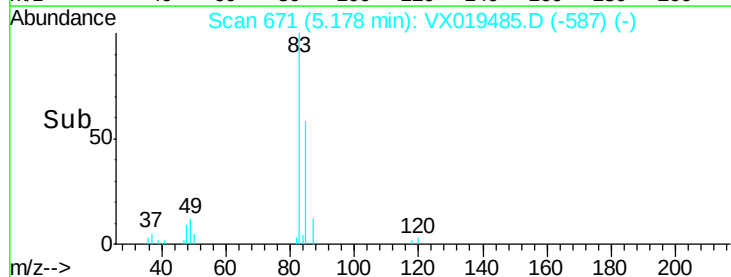
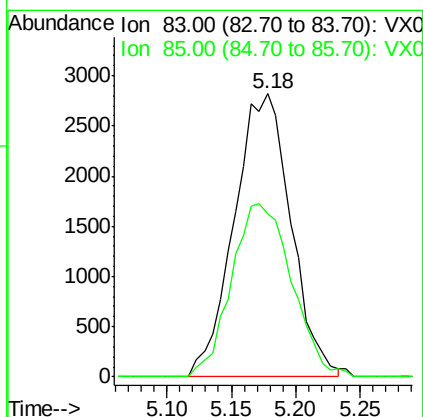
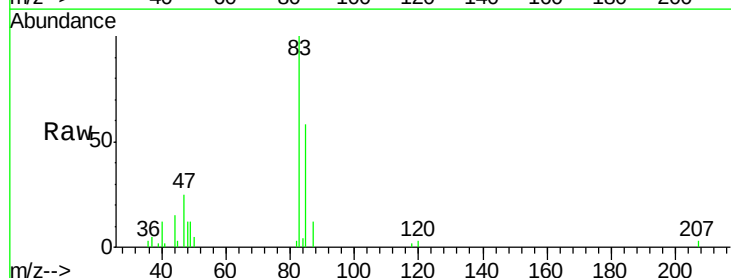
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

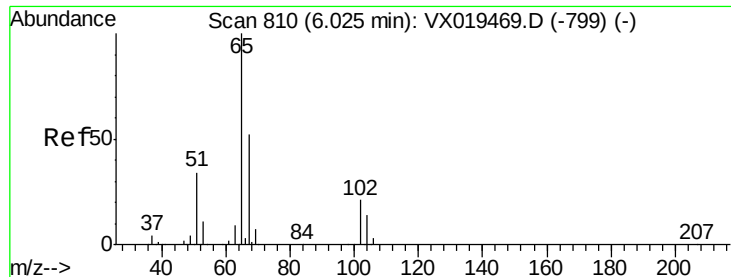
Tot Ion:	84	Resp:	1267
Ion	Ratio	Lower	Upper
84	100		
49	114.5	85.4	128.0
51	38.2	26.7	40.1
86	68.7	49.4	74.2



#25
Chloroform
Concen: 1.577 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019485.D
Acq: 19 Nov 2020 22:47

Tgt Ion:	83	Resp:	8621
Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.4	77.0

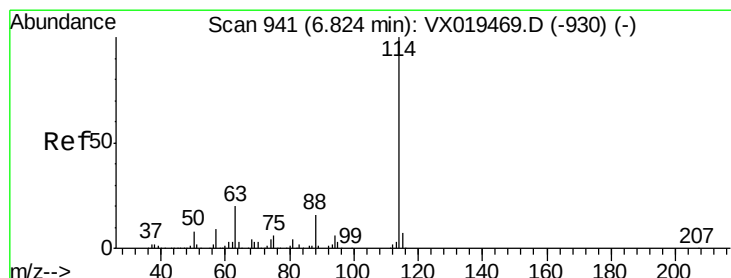
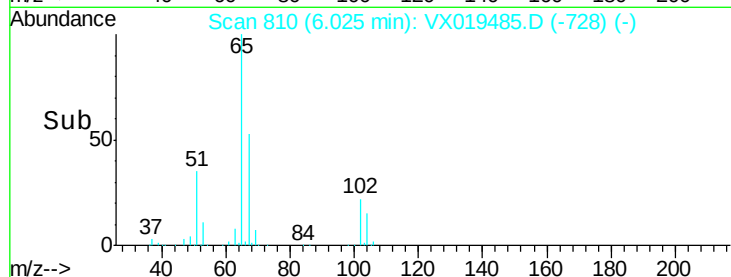
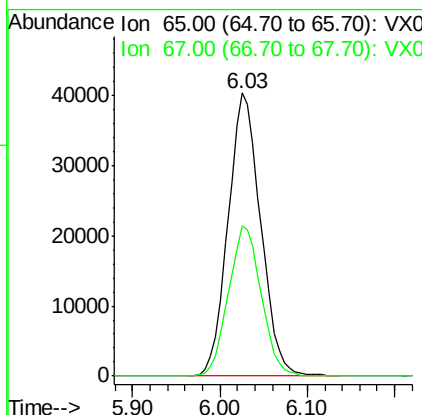
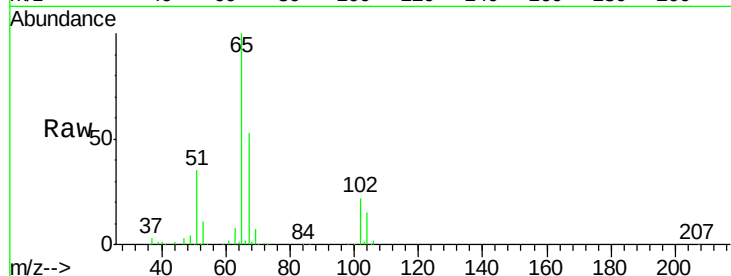




#27
 1,2-Dichloroethane-d4
 Concen: 30.383 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019485.D
 Acq: 19 Nov 2020 22:47

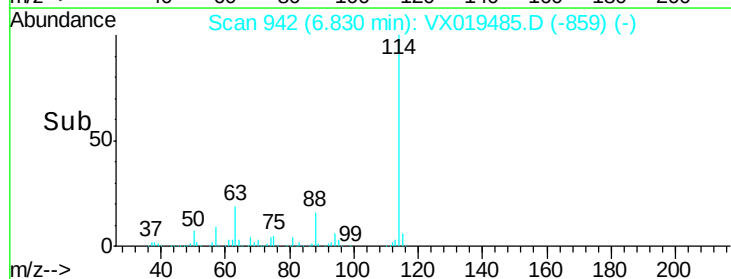
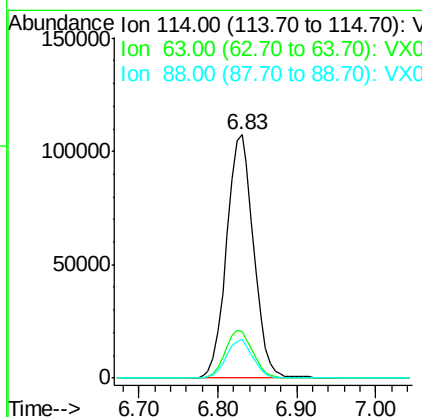
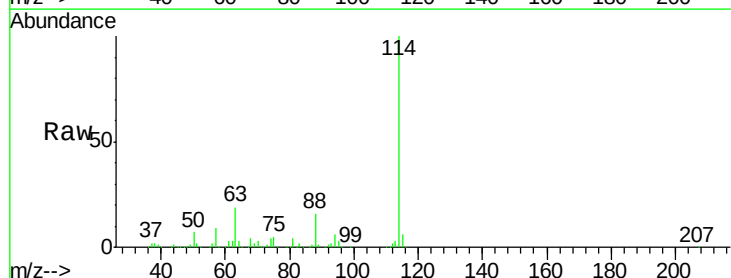
Instrument :
 MSVOA_X
 ClientSampleId :
 DSN-002-SEWER-OUTLET-002

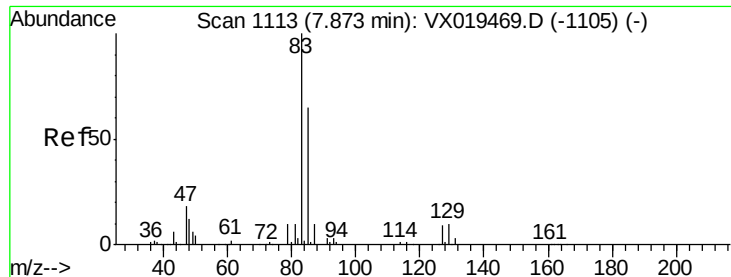
Tot Ion: 65 Resp: 104514
 Ion Ratio Lower Upper
 65 100
 67 53.2 42.2 63.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019485.D
 Acq: 19 Nov 2020 22:47

Tgt Ion: 114 Resp: 256302
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.6 12.9 19.3

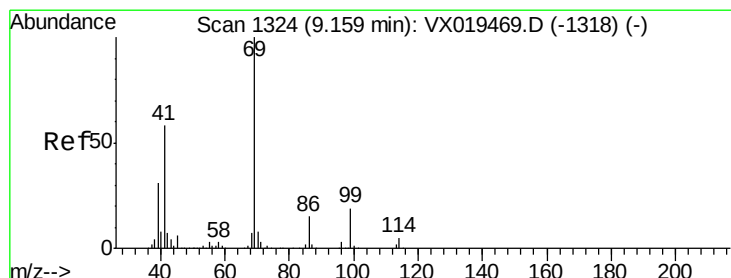
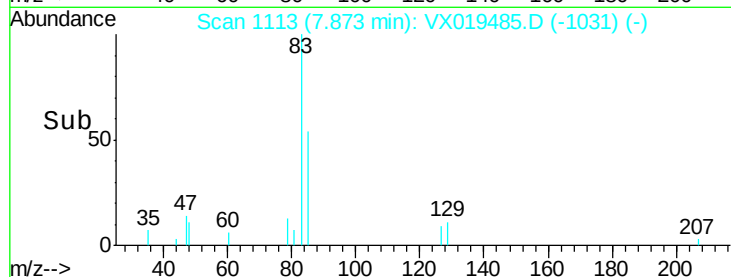
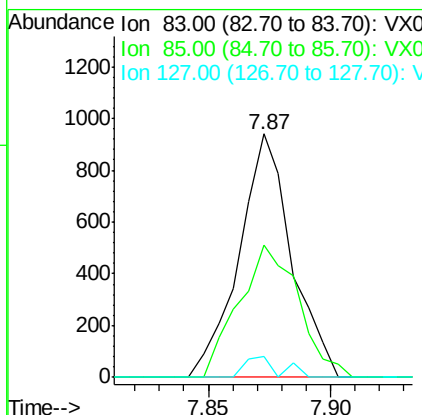
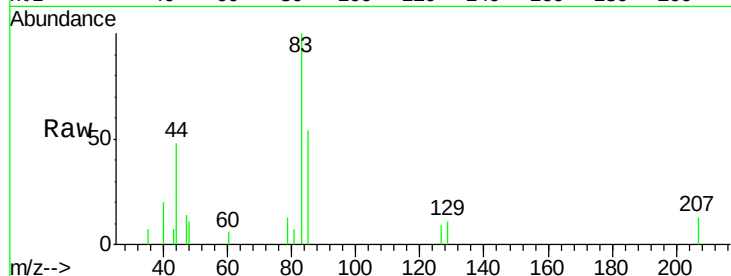




#41
Bromodichloromethane
Concen: 0.340 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019485.D
Acq: 19 Nov 2020 22:47

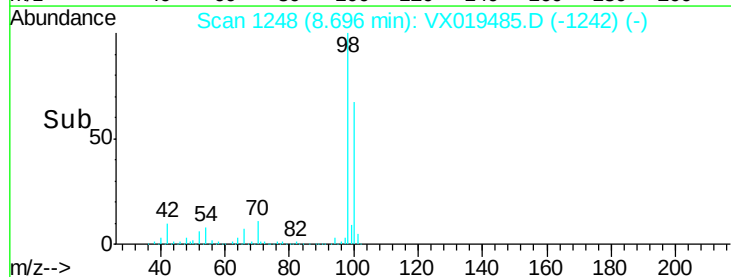
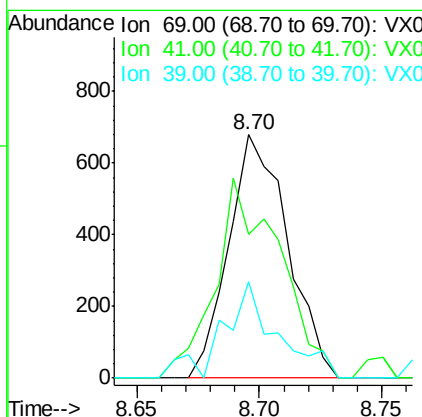
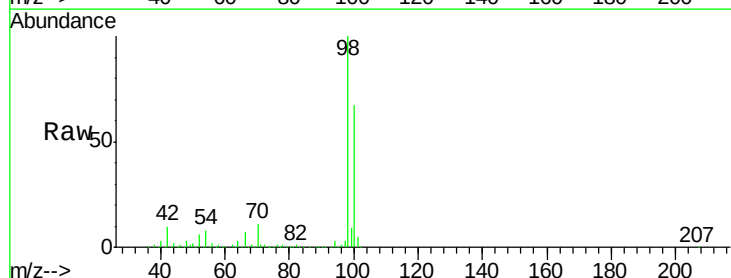
Instrument :
MSVOA_X
ClientSampleId :
DSN-002-SEWER-OUTLET-002

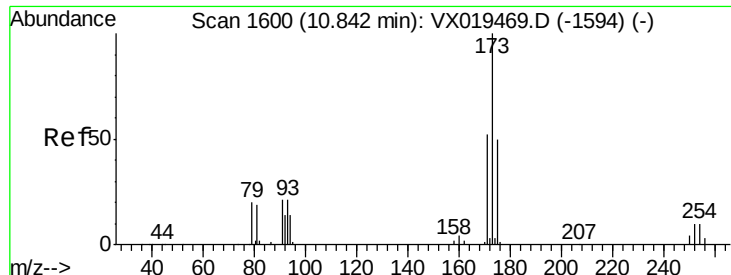
Tot Ion: 83 Resp: 1406
Ion Ratio Lower Upper
83 100
85 54.2 51.7 77.5
127 8.8 7.0 10.6



#51
Ethyl methacrylate
Concen: 0.253 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.46 min
Lab File: VX019485.D
Acq: 19 Nov 2020 22:47

Tgt Ion: 69 Resp: 1138
Ion Ratio Lower Upper
69 100
41 59.2 29.0 87.1
39 39.5 15.4 46.4





#56

Bromoform

Concen: 0.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.28 min

Lab File: VX019485.D

Acq: 19 Nov 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002

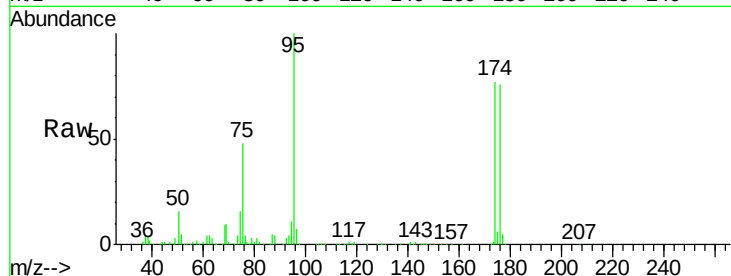
Tot Ion:173 Resp: 665

Ion Ratio Lower Upper

173 100

175 886.3 39.7 59.5#

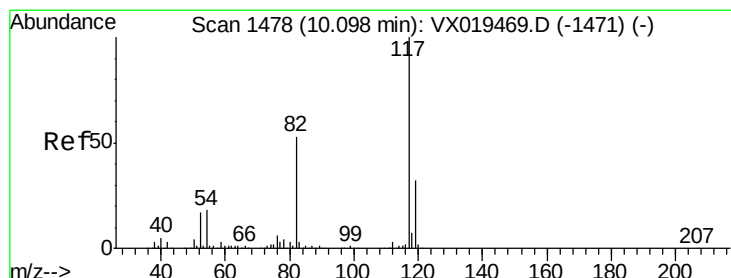
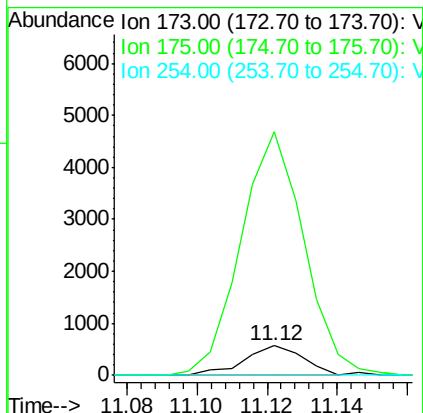
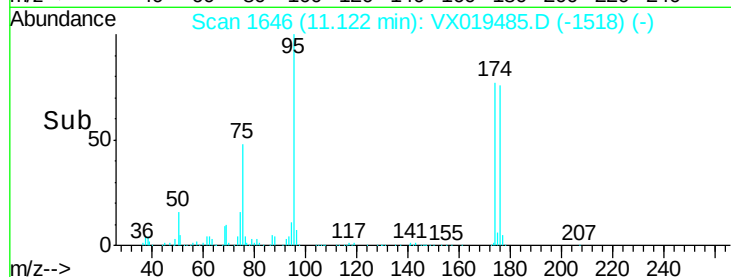
254 0.0 8.0 12.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VX019485.D

Acq: 19 Nov 2020 22:47

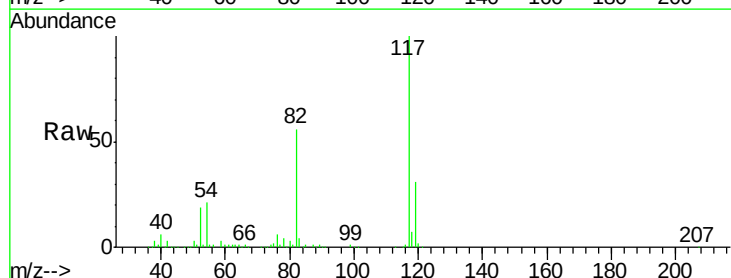
Tgt Ion:117 Resp: 237319

Ion Ratio Lower Upper

117 100

82 55.7 44.5 66.7

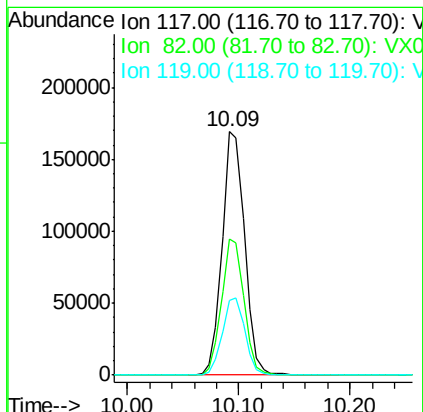
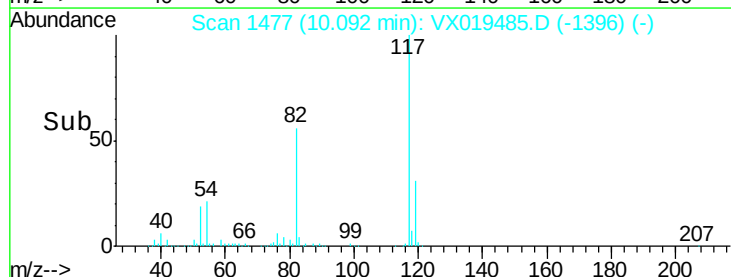
119 31.9 25.9 38.9

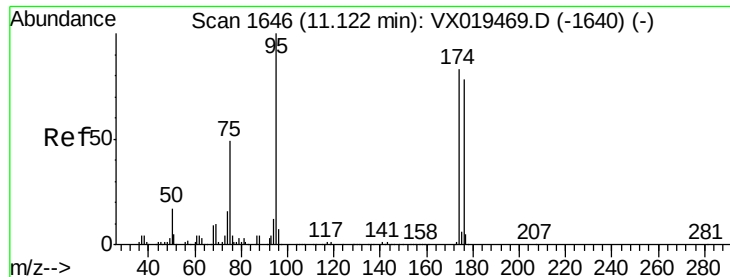


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.457 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019485.D

Acq: 19 Nov 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

DSN-002-SEWER-OUTLET-002

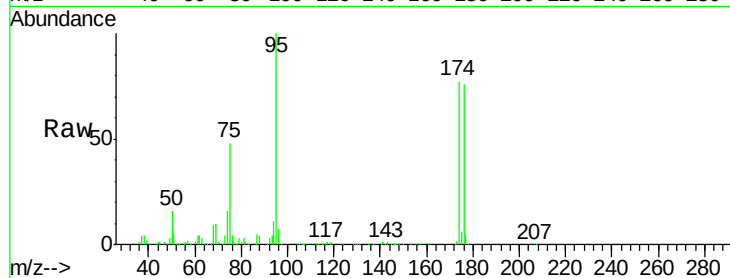
Tot Ion: 95 Resp: 106268

Ion Ratio Lower Upper

95 100

174 77.8 63.5 95.3

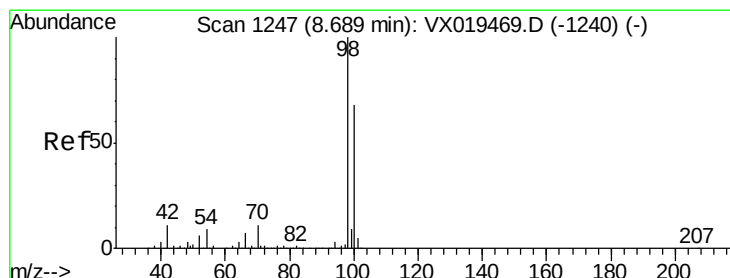
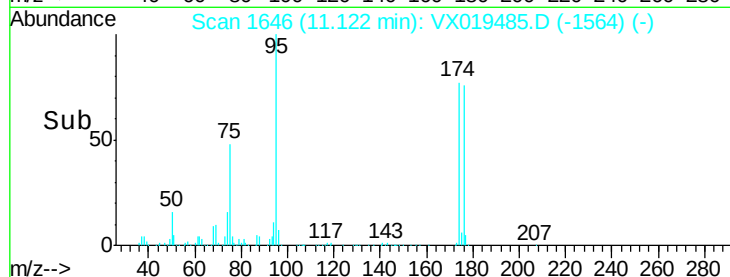
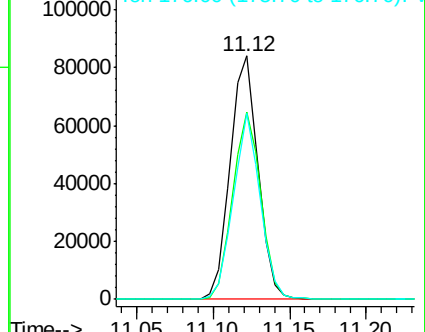
176 73.7 59.8 89.6



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 28.996 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VX019485.D

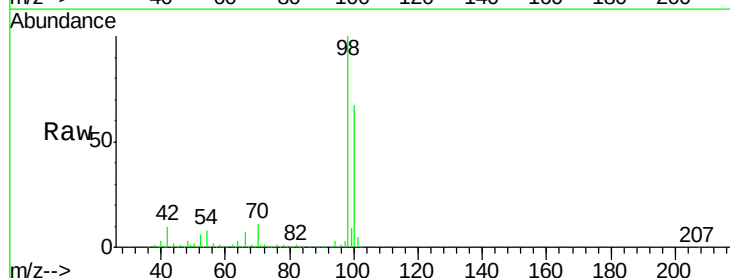
Acq: 19 Nov 2020 22:47

Tgt Ion: 98 Resp: 306731

Ion Ratio Lower Upper

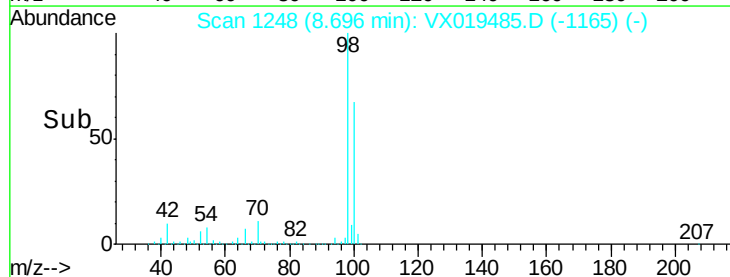
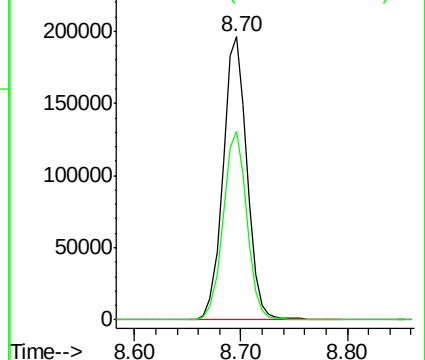
98 100

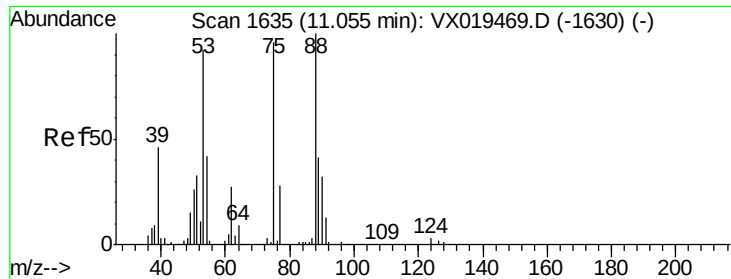
100 66.0 53.6 80.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 35.311 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019485.D
Acq: 19 Nov 2020 22:47

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

Tot Ion: 75 Resp: 51990
Ion Ratio Lower Upper
75 100
53 0.2 47.9 143.6#
89 0.0 21.4 64.2#

