

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017620.D
 Acq On : 27 Jul 2020 15:59
 Operator : JC/SP
 Sample : L3404-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Manual Integrations
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 7/28/2020 10:31:08 AM

Quant Time: Jul 28 01:25:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	95060	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	540998	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	503617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	222439	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.12	95	249361	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	8.70	98	630965	28.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.37%

Target Compounds

					Ovalue
15) Acetone	2.42	58	1089102	1371.272	ug/l 100
16) Carbon Disulfide	2.55	76	4673	0.385	ug/l 97
18) Methylene Chloride	2.83	84	4787	0.892	ug/l # 53
20) Diisopropyl ether	3.82	45	51027	2.931	ug/l 93
25) Chloroform	5.18	83	99795	9.643	ug/l 100
30) 2-Butanone	4.64	43	48774	11.201	ug/l 100
41) Bromodichloromethane	7.88	83	9714	1.018	ug/l 98
58) 4-Methyl-2-Pentanone	8.62	43	14578m	1.622	ug/l
59) 2-Hexanone	9.48	43	45901	7.256	ug/l 95
91) Naphthalene	13.82	128	9826	0.318	ug/l # 94

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

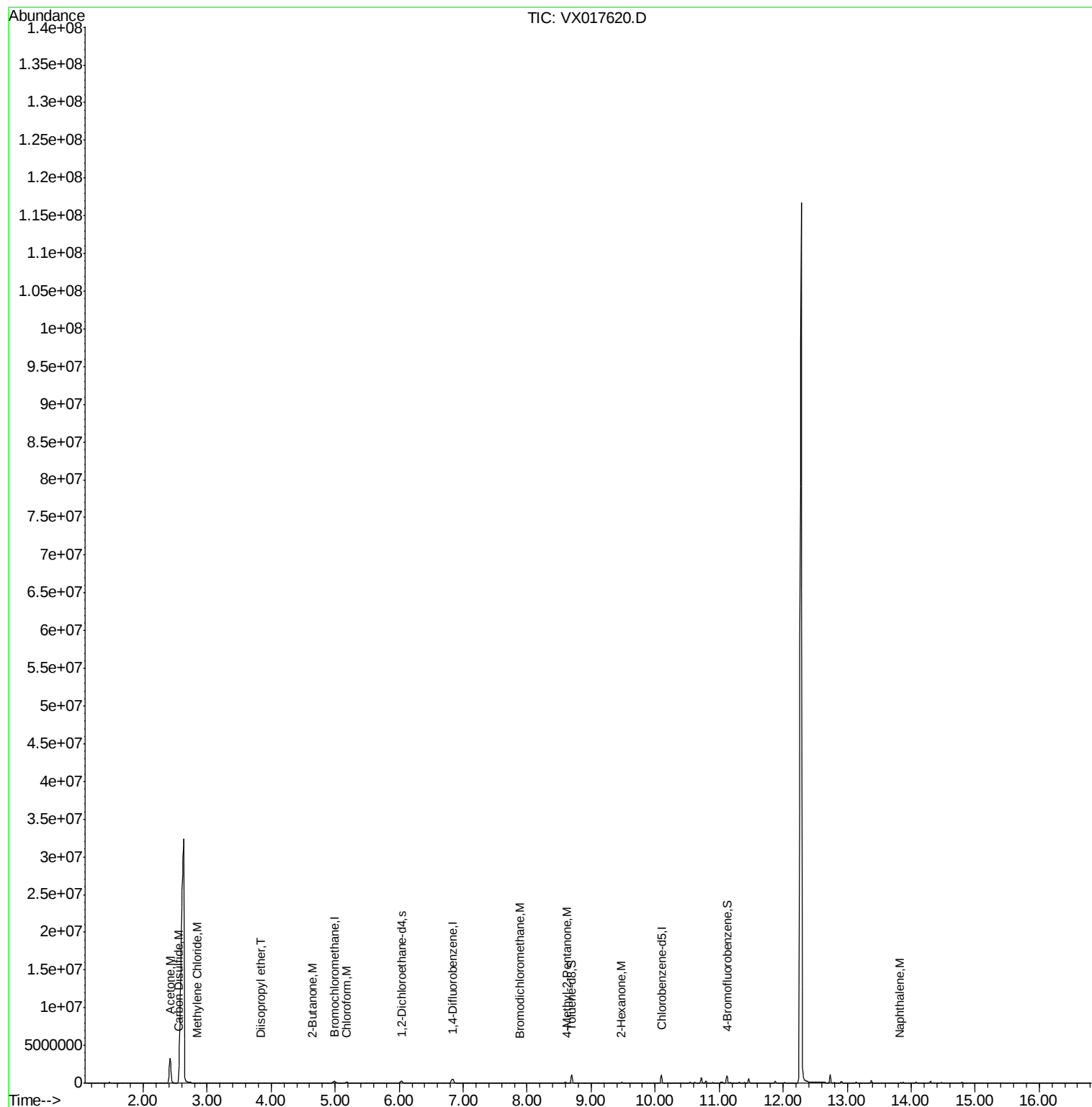
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017620.D
Acq On : 27 Jul 2020 15:59
Operator : JC/SP
Sample : L3404-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

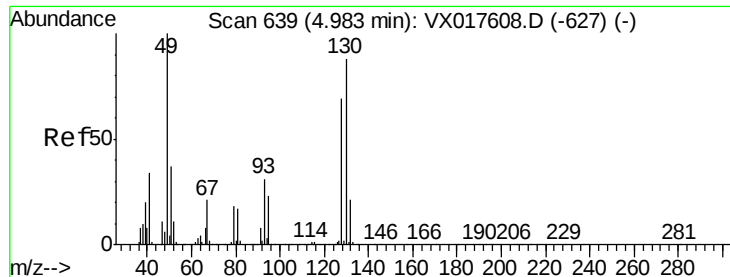
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Manual Integrations
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Quant Time: Jul 28 01:25:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 27 11:38:31 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

Instrument :

MSVOA_X

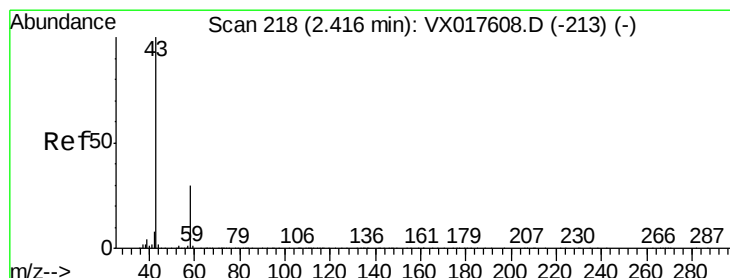
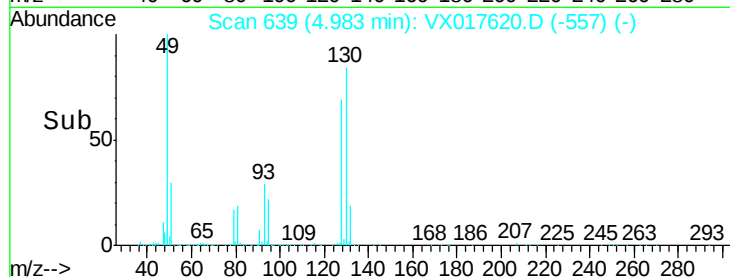
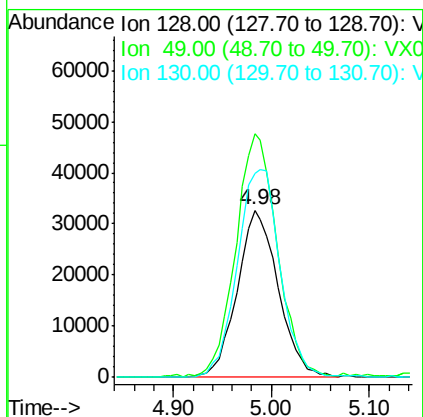
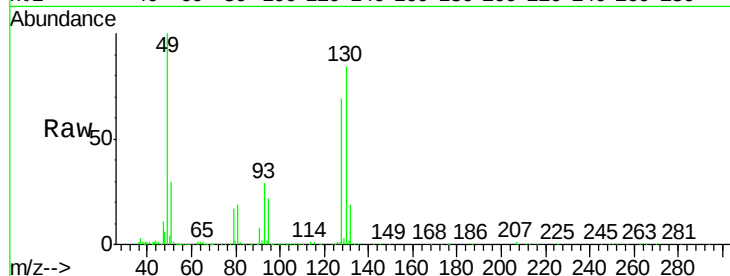
ClientSampled :

EFF-WW

Tot Ion:	128	Resp:	95060
Ion	Ratio	Lower	Upper
128	100		
49	147.1	0.0	376.0
130	129.9	0.0	323.0

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#15

Acetone

Concen: 1371.272 ug/l

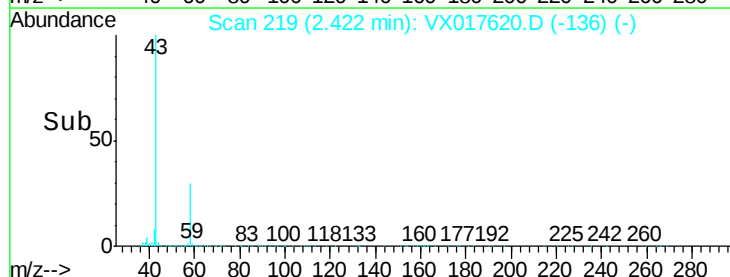
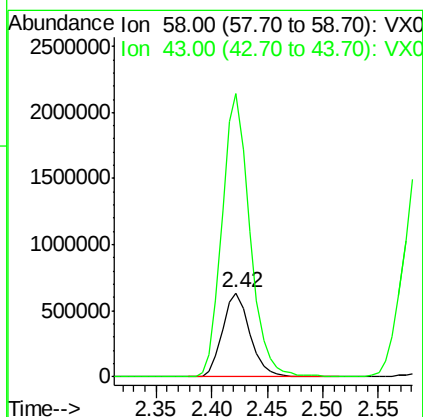
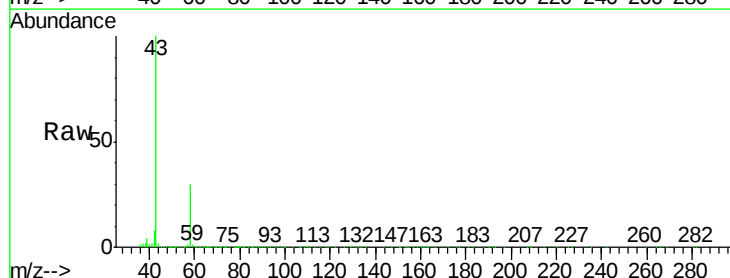
RT: 2.42 min Scan# 219

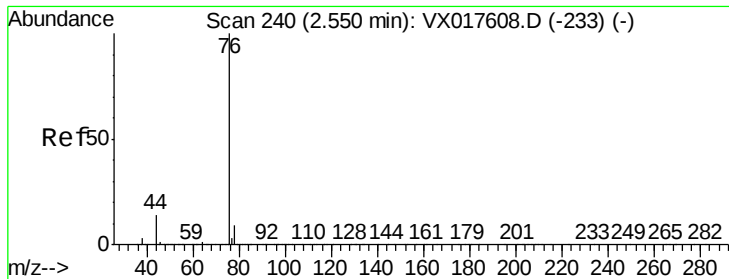
Delta R.T. 0.01 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

Tgt Ion:	58	Resp:	1089102
Ion	Ratio	Lower	Upper
58	100		
43	336.0	268.6	402.8





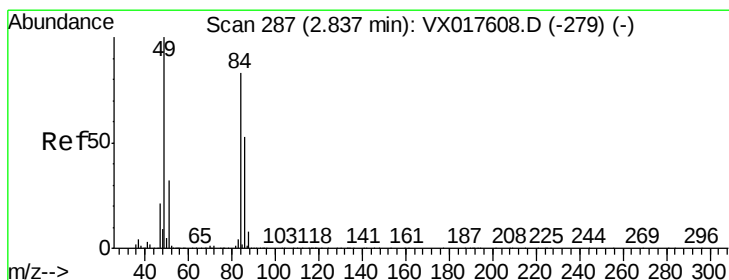
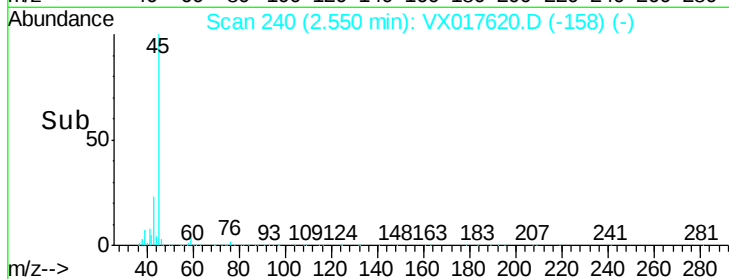
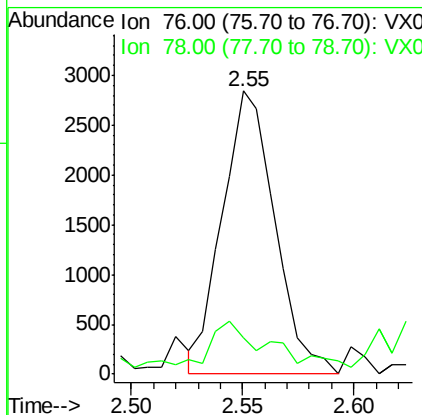
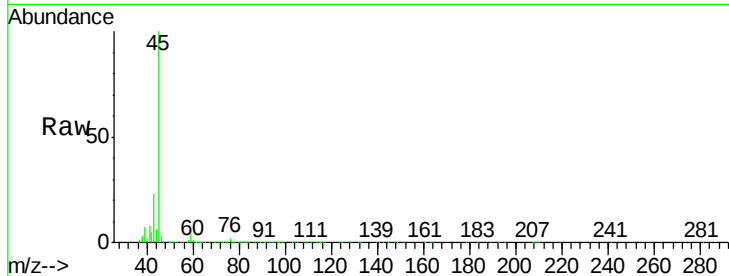
#16
Carbon Disulfide
Concen: 0.385 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3

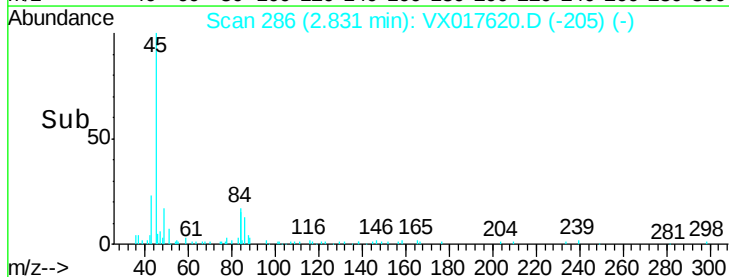
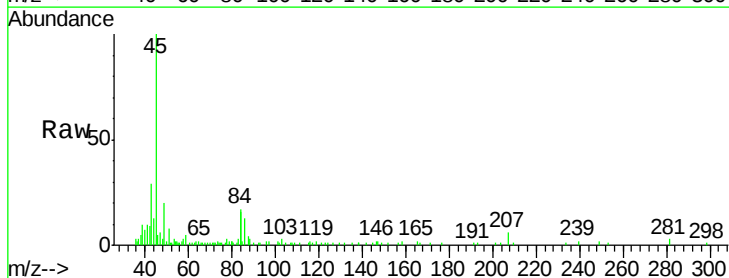
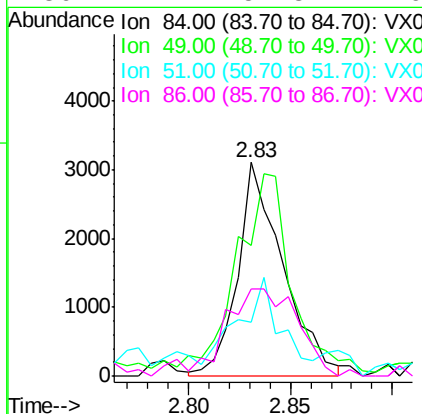
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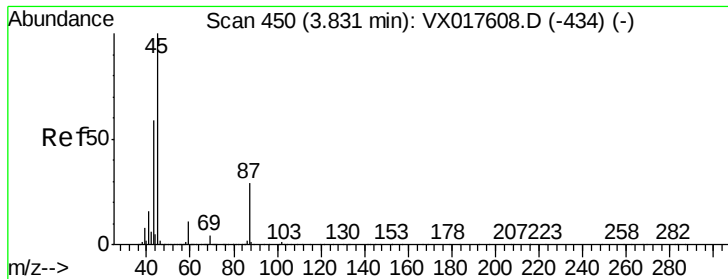
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#18
Methylene Chloride
Concen: 0.892 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	54.7	96.7	145.1#
51	16.0	31.0	46.4#
86	41.4	51.8	77.6#





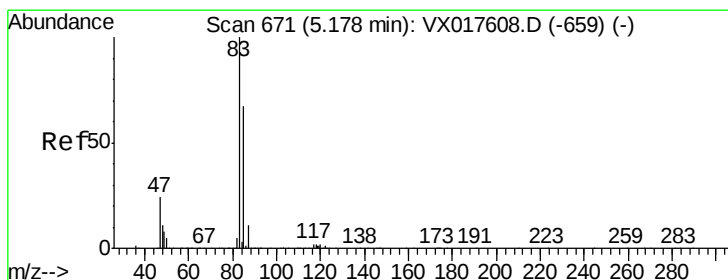
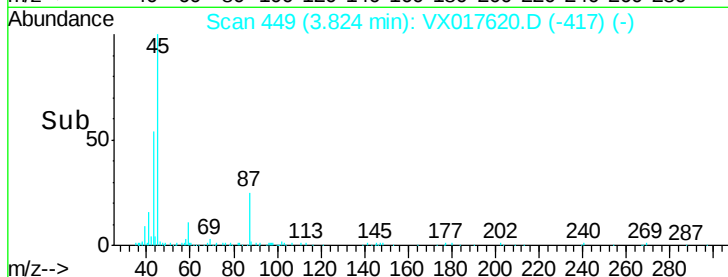
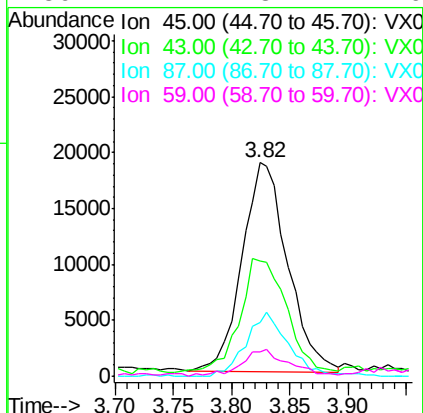
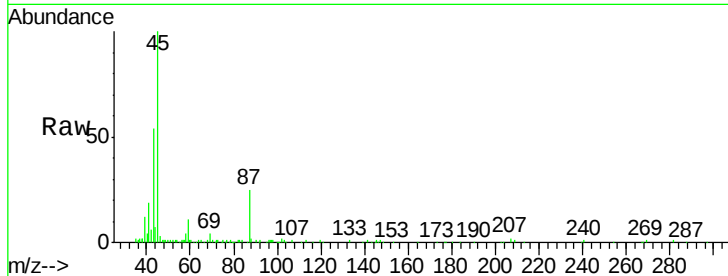
#20
Diisopropyl ether
Concen: 2.931 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	52.6	47.4	71.0	
87	25.8	23.3	34.9	
59	11.7	8.4	12.6	

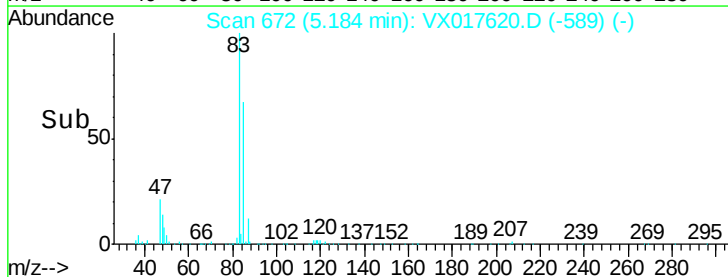
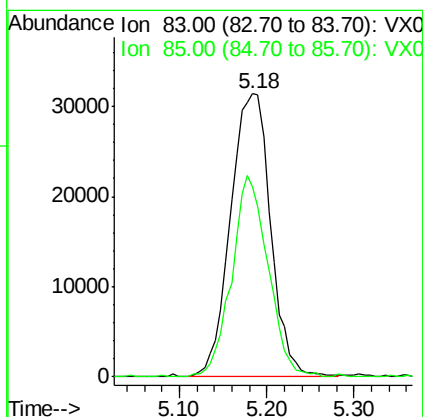
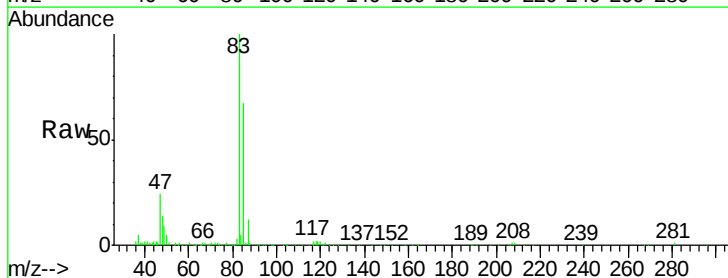
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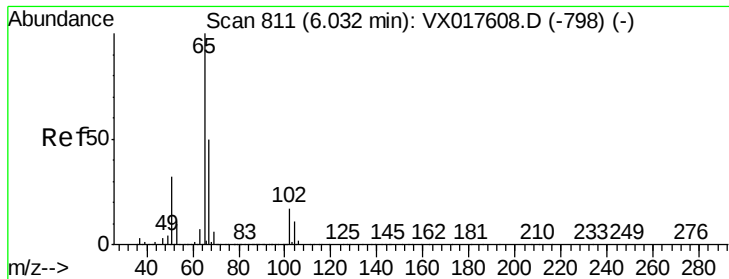
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#25
Chloroform
Concen: 9.643 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	67.3	53.7	80.5	





#27

1,2-Dichloroethane-d4

Concen: 30.451 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tot Ion: 65 Resp: 222439

Ion Ratio Lower Upper

65 100

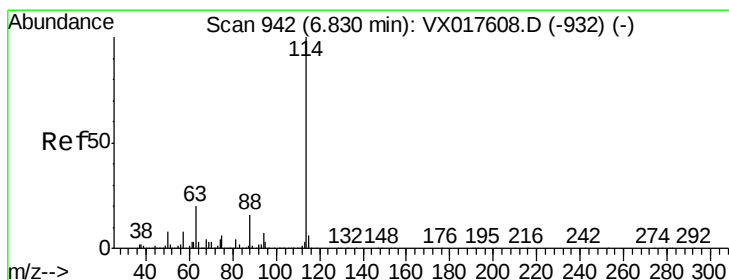
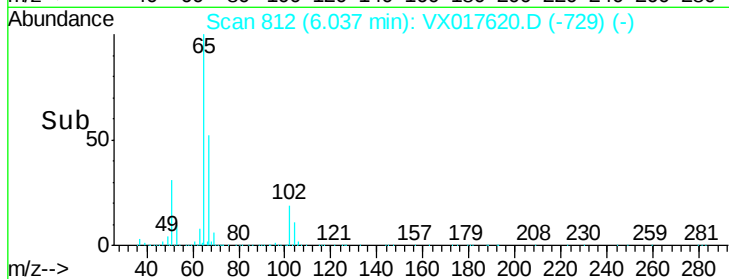
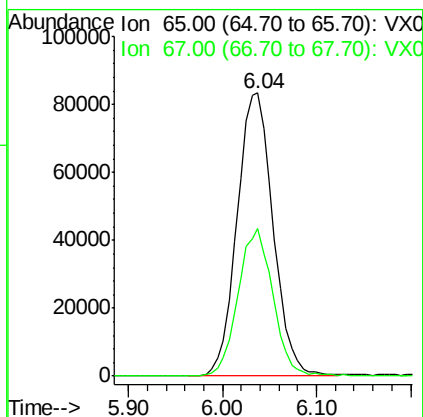
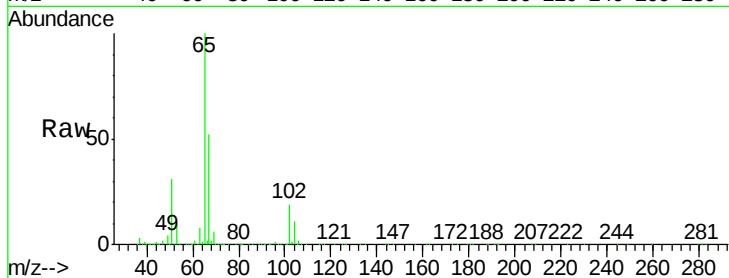
67 50.1 40.6 61.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

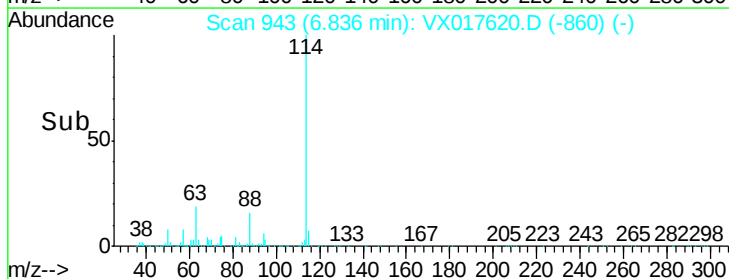
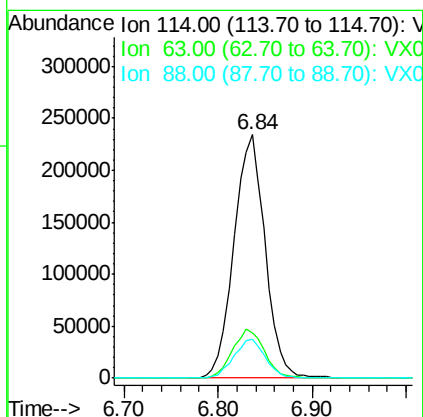
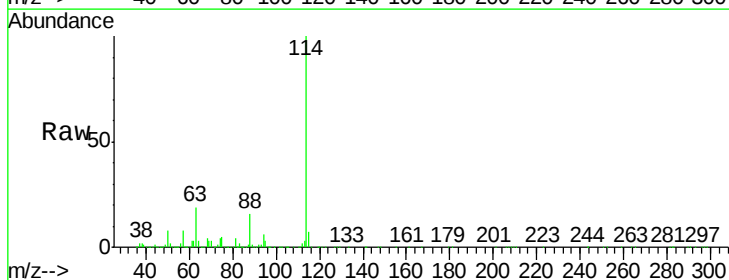
Tgt Ion: 114 Resp: 540998

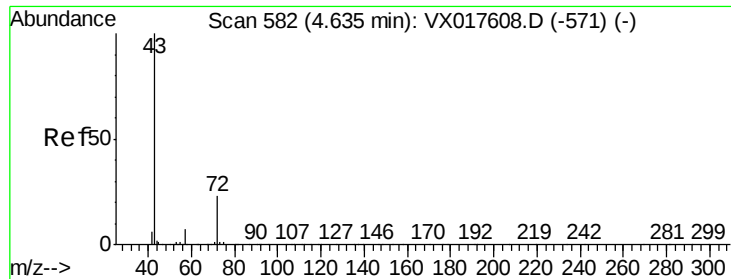
Ion Ratio Lower Upper

114 100

63 20.4 16.3 24.5

88 16.0 12.6 18.8





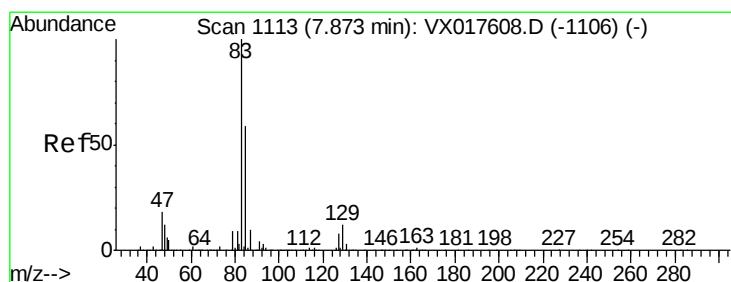
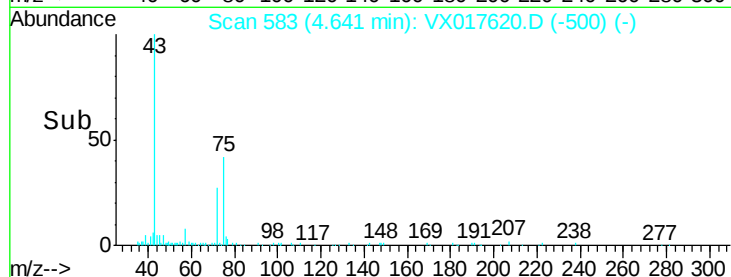
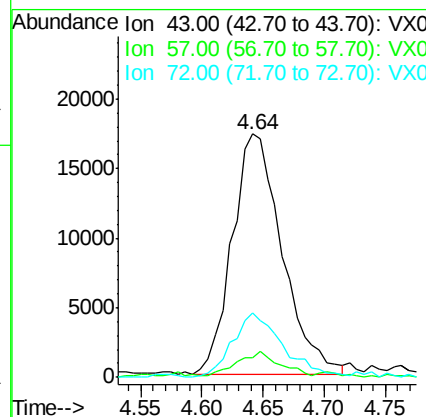
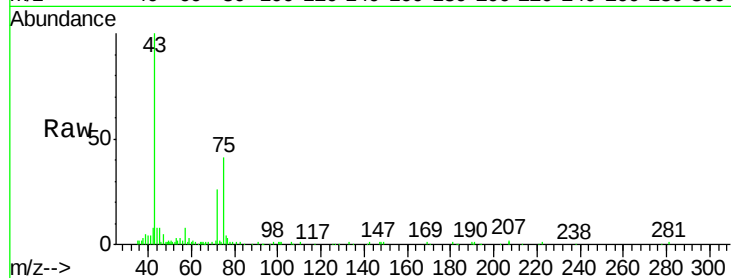
#30
2-Butanone
Concen: 11.201 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.5	9.7
72	24.6	19.8	29.6

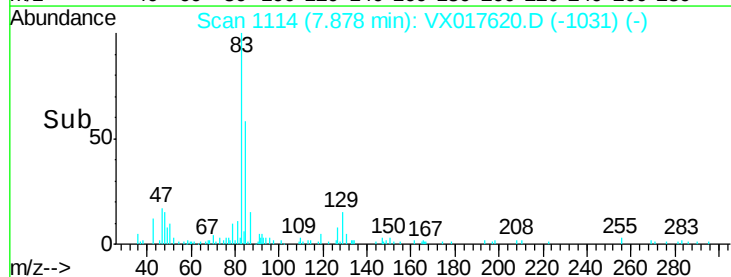
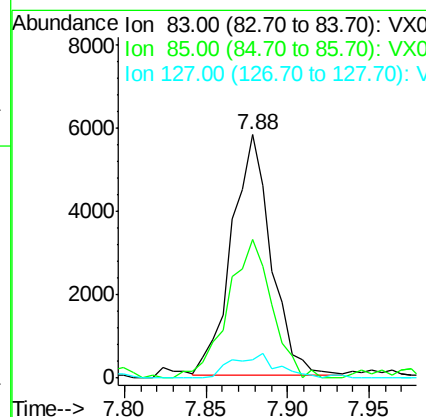
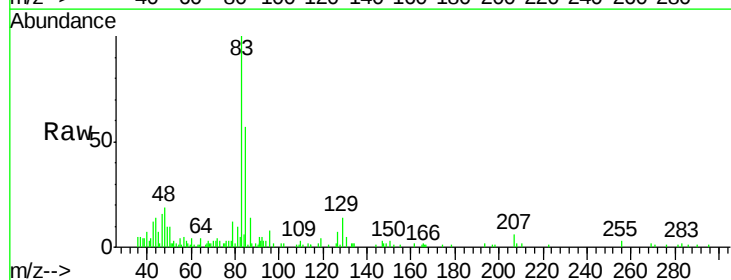
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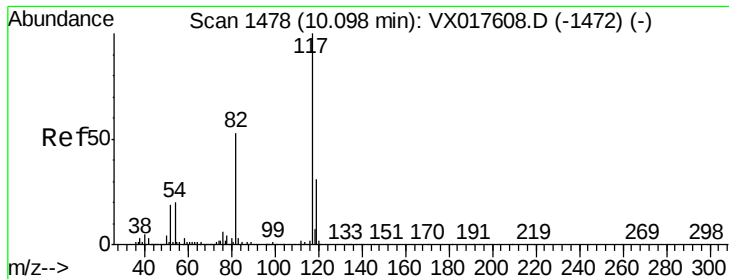
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#41
Bromodichloromethane
Concen: 1.018 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.0	47.4	71.0
127	7.6	6.3	9.5





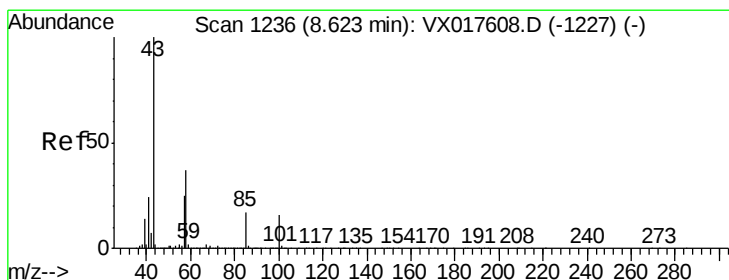
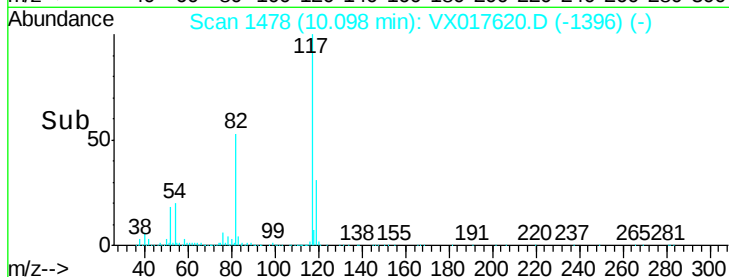
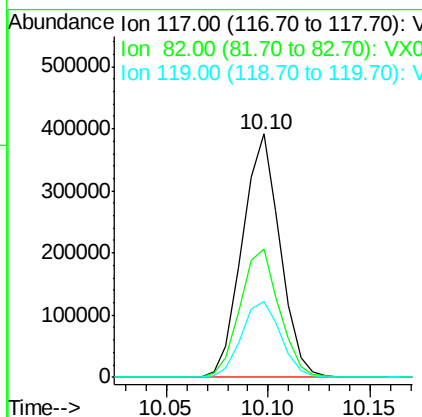
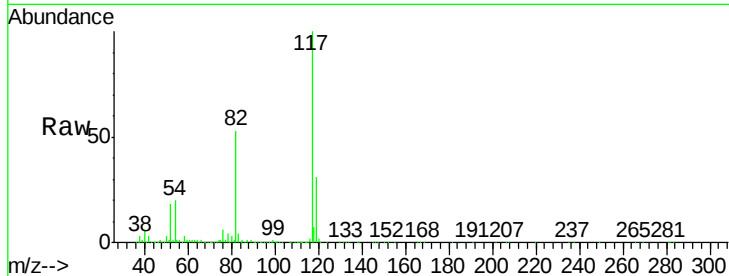
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Instrument :
MSVOA_X
ClientSampled :
EFF-WW

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.6	65.4
119	32.3	25.7	38.5

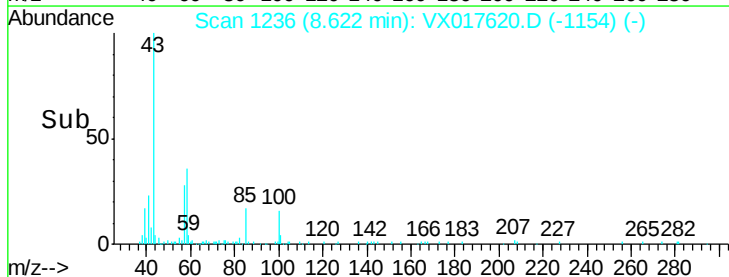
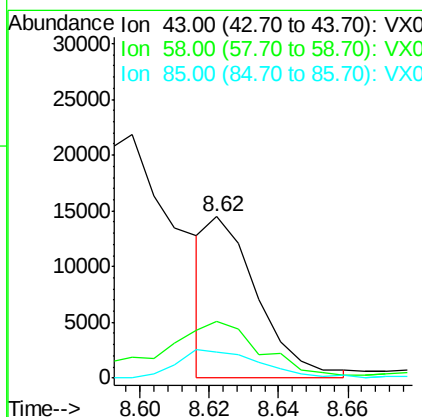
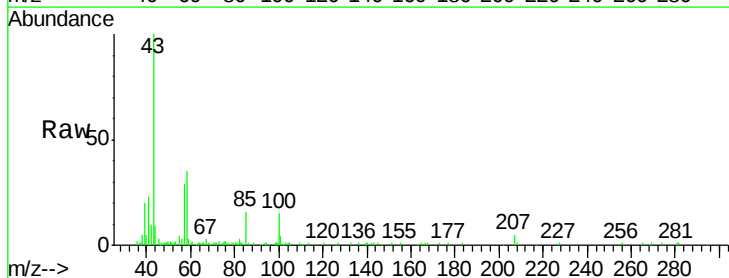
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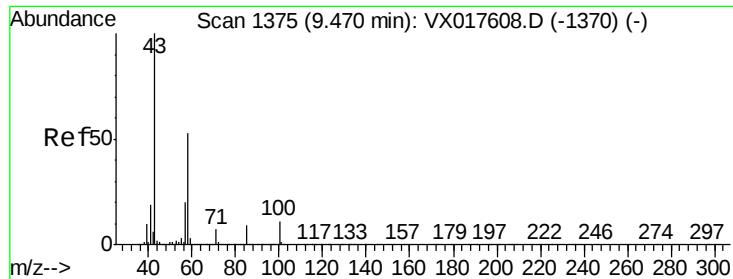
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#58
4-Methyl-2-Pentanone
Concen: 1.622 ug/l m
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	75.9	30.5	45.7#
85	29.4	14.2	21.2#





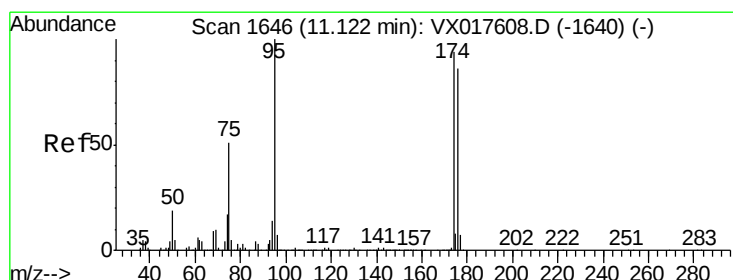
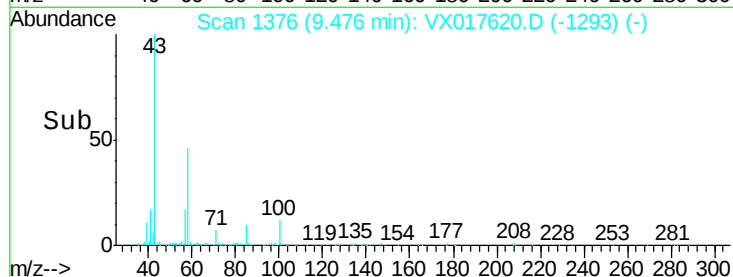
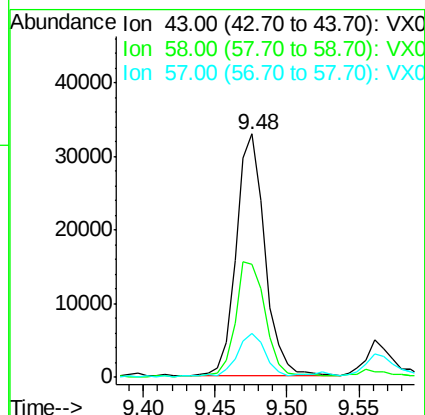
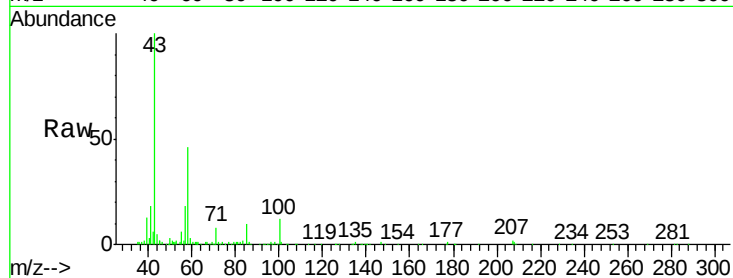
#59
2-Hexanone
Concen: 7.256 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion:	43	Resp:	45901
Ion Ratio	Lower	Upper	
43	100		
58	49.8	42.9	64.3
57	17.5	16.1	24.1

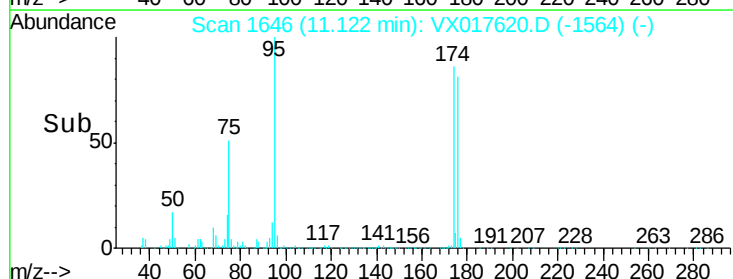
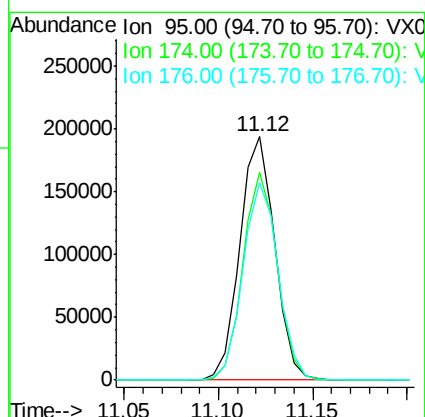
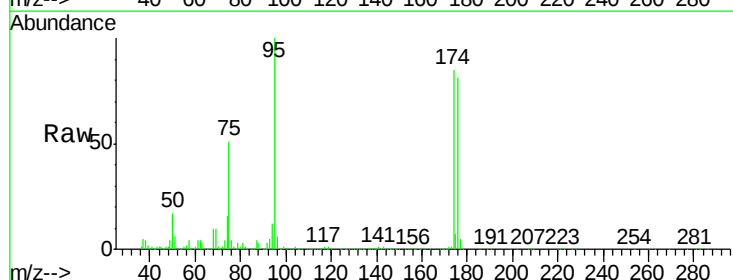
Manual Integrations
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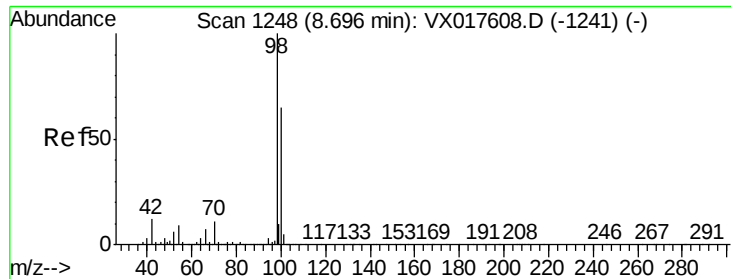
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#60
4-Bromofluorobenzene
Concen: 29.237 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017620.D
Acq: 27 Jul 2020 15:59

Tgt Ion:	95	Resp:	249361
Ion Ratio	Lower	Upper	
95	100		
174	83.6	70.2	105.2
176	81.7	65.6	98.4





#63

Toluene-d8

Concen: 28.312 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tot Ion: 98 Resp: 630965

Ion Ratio Lower Upper

98 100

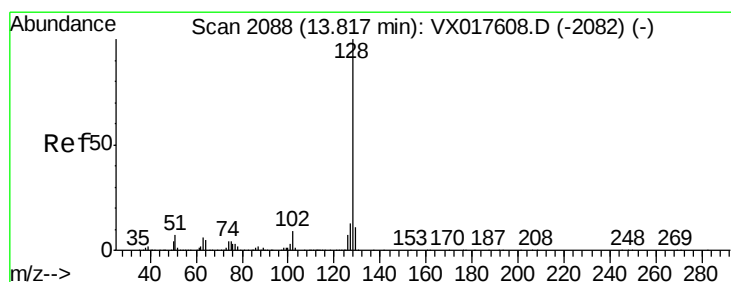
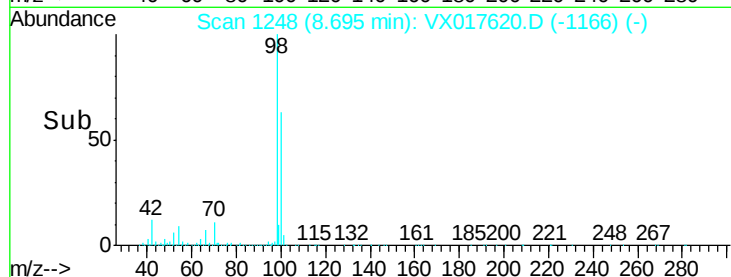
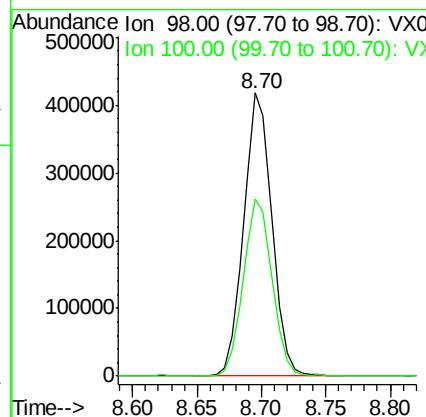
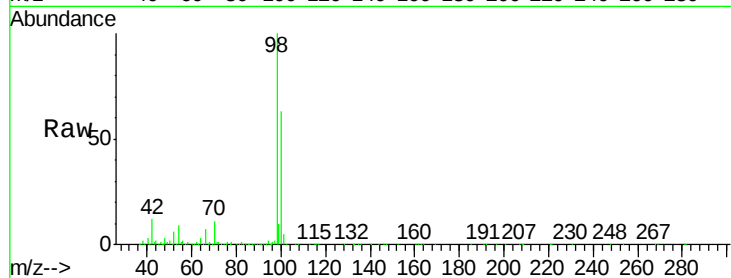
100 63.7 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

7/28/2020 10:31:08 AM



#91

Naphthalene

Concen: 0.318 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017620.D

Acq: 27 Jul 2020 15:59

Tgt Ion: 128 Resp: 9826

Ion Ratio Lower Upper

128 100

127 15.4 10.2 15.2#

129 12.6 8.7 13.1

