

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017310.D
 Acq On : 09 Jul 2020 16:11
 Operator : JC/SP
 Sample : L3235-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 10 06:39:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	63951	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	314749	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	298191	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	137794	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	11.12	95	130833	25.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.73%
63) Toluene-d8	8.70	98	369130	29.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.57%

Target Compounds

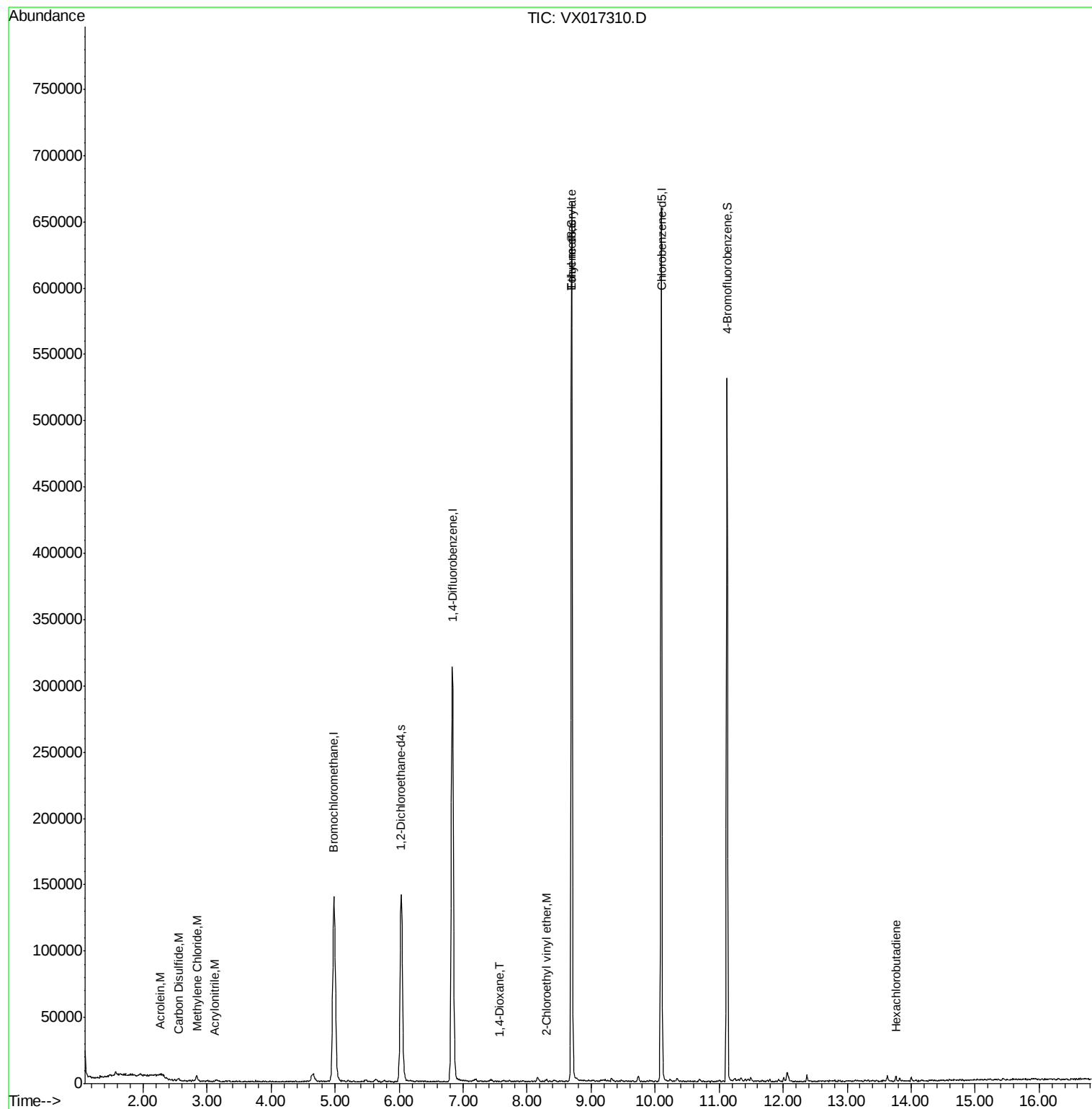
					Ovalue
13) Acrolein	2.27	56	285	0.538 ug/l	99
14) Acrylonitrile	3.12	53	417	0.226 ug/l #	47
16) Carbon Disulfide	2.55	76	1888	0.237 ug/l	97
18) Methylene Chloride	2.84	84	1750	0.483 ug/l #	78
45) 1,4-Dioxane	7.57	88	41	0.554 ug/l #	1
51) Ethyl methacrylate	8.70	69	1564	0.298 ug/l	76
55) 2-Chloroethyl vinyl ether	8.29	63	377	18.867 ug/l	96
90) Hexachlorobutadiene	13.76	225	484	0.230 ug/l	88

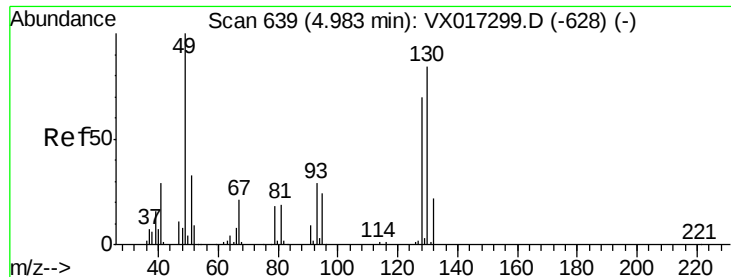
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Jul 10 06:39:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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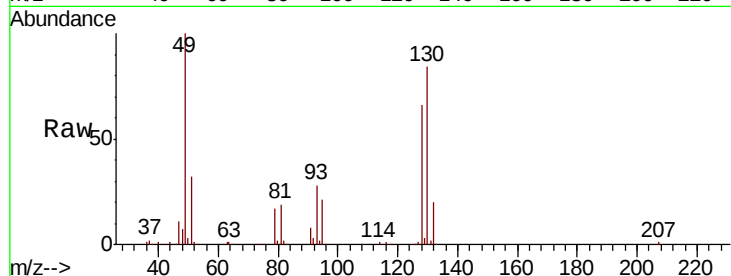




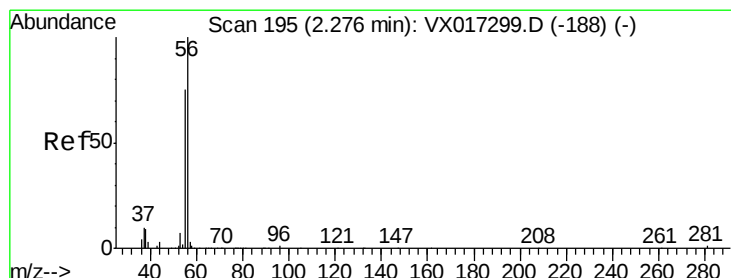
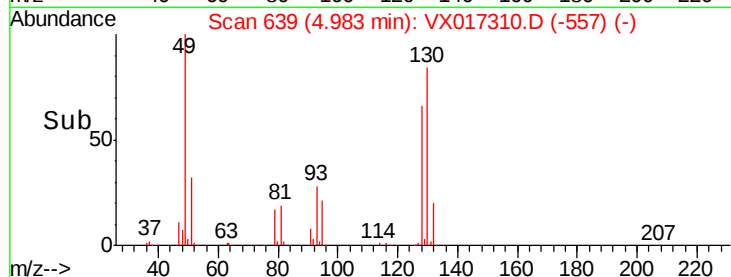
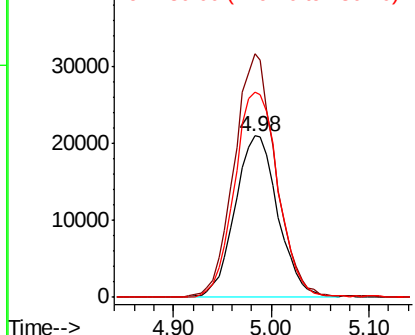
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:128 Resp: 63951
Ion Ratio Lower Upper
128 100
49 145.6 0.0 358.8
130 129.4 0.0 323.8

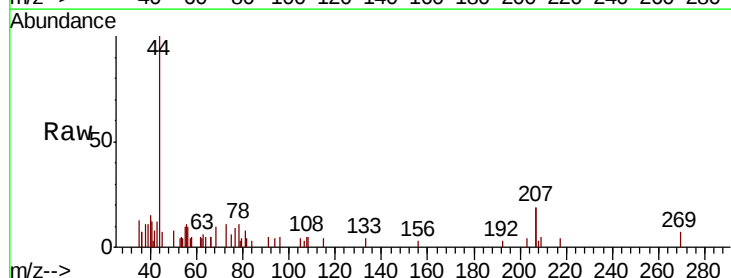


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V

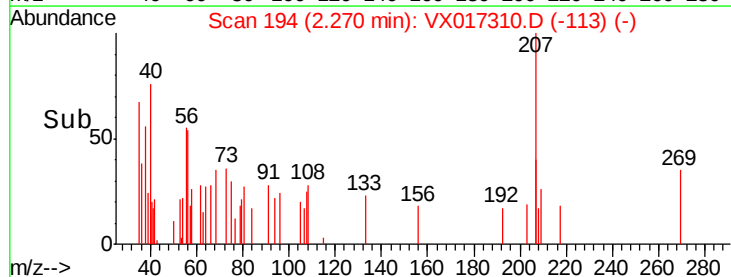
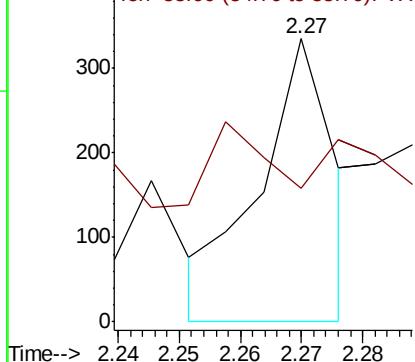


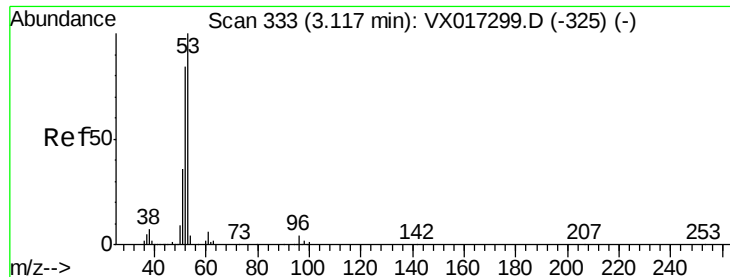
#13
Acrolein
Concen: 0.538 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 74.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#14

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017310.D

Acq: 09 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

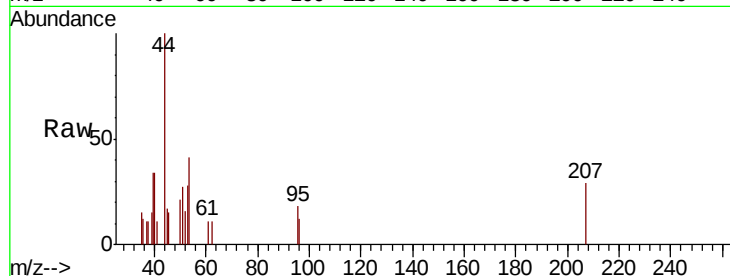
Tot Ion: 53 Resp: 417

Ion Ratio Lower Upper

53 100

52 20.4 41.3 123.9#

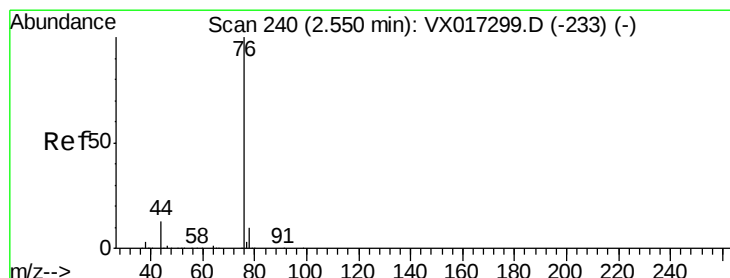
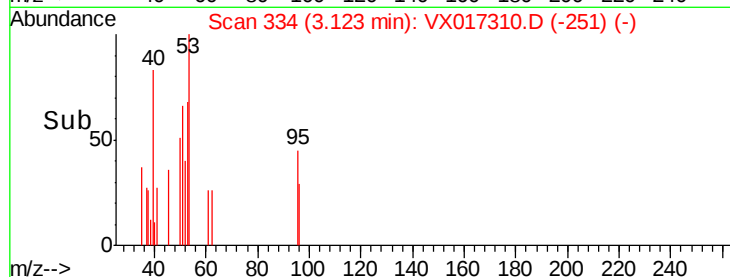
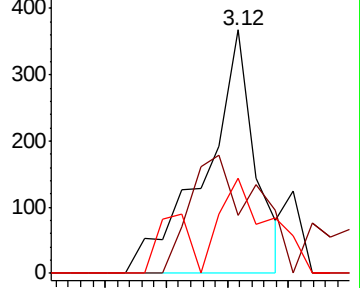
51 27.1 18.1 54.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017310.D

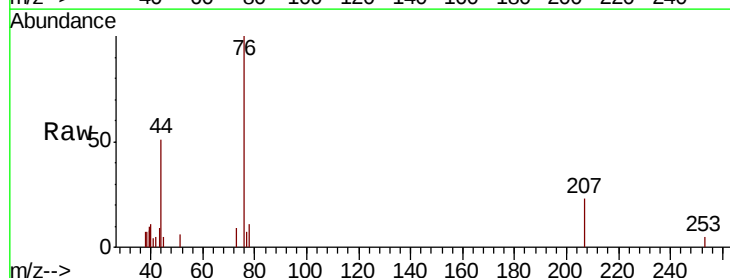
Acq: 09 Jul 2020 16:11

Tgt Ion: 76 Resp: 1888

Ion Ratio Lower Upper

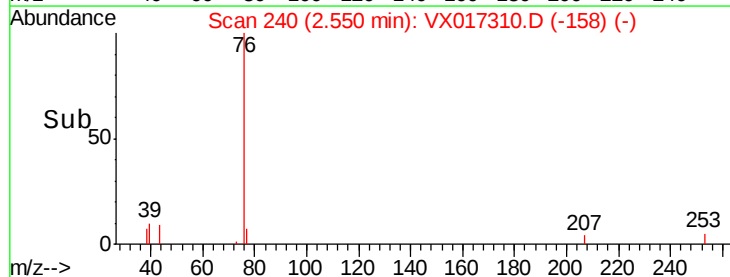
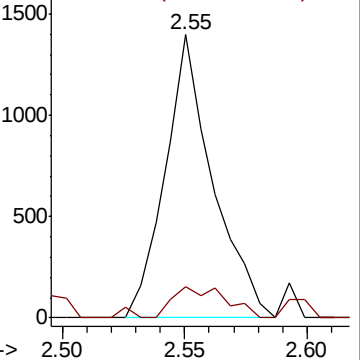
76 100

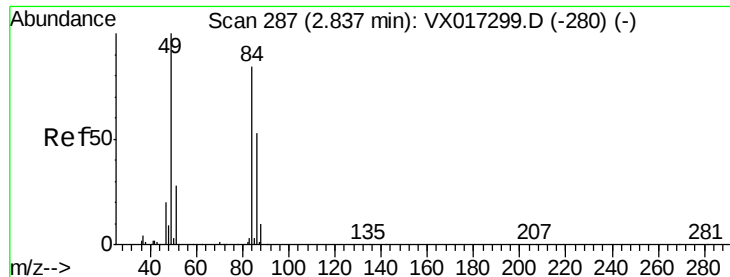
78 10.9 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

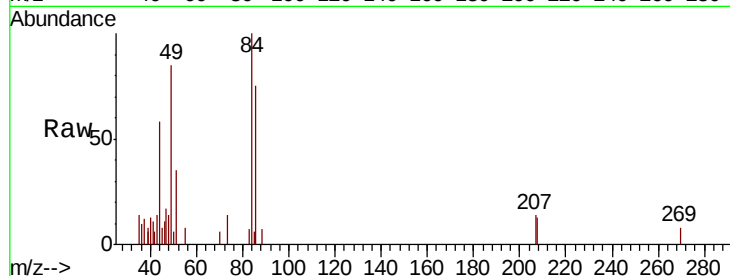




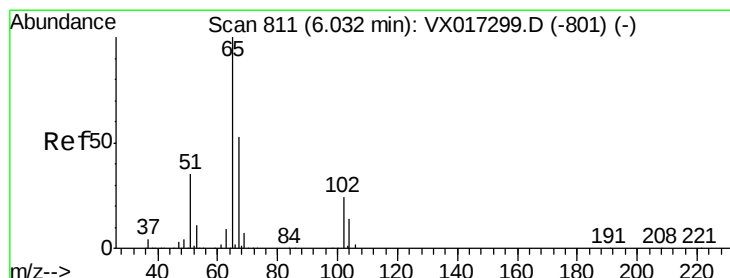
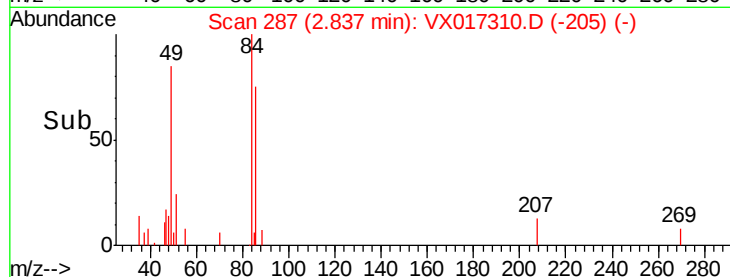
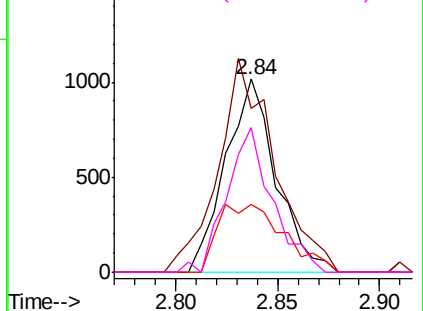
#18
Methvlene Chloride
Concen: 0.483 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 84 Resp: 1750
Ion Ratio Lower Upper
84 100
49 85.1 95.7 143.5#
51 35.3 27.2 40.8
86 74.6 50.6 76.0

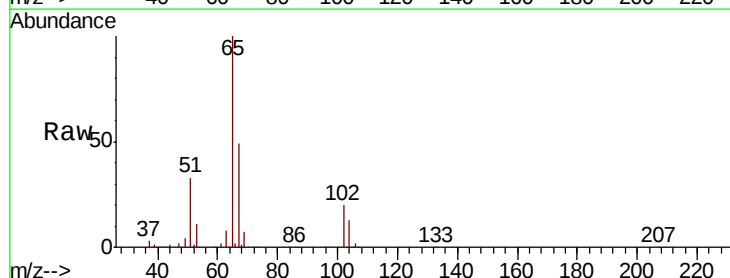


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

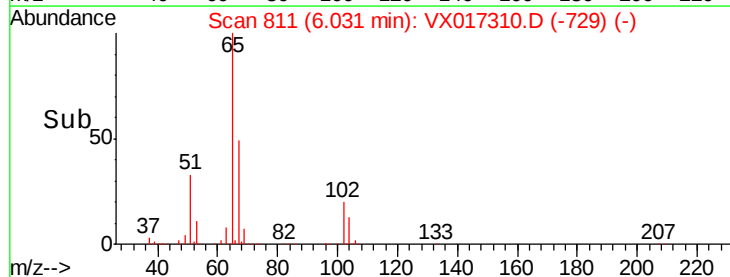
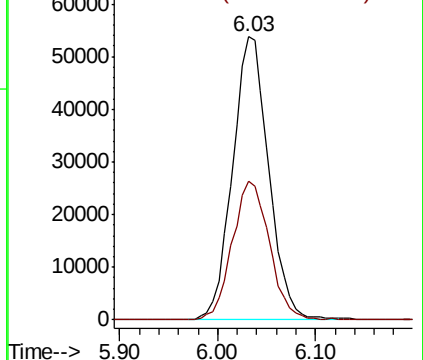


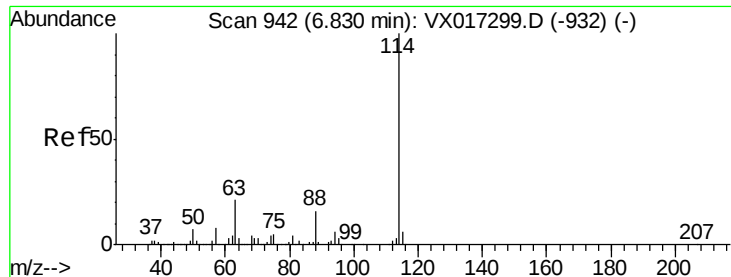
#27
1,2-Dichloroethane-d4
Concen: 29.979 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Tgt Ion: 65 Resp: 137794
Ion Ratio Lower Upper
65 100
67 50.3 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0
Ion 67.00 (66.70 to 67.70): VX0

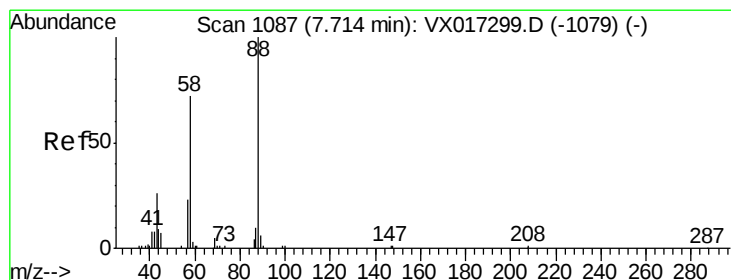
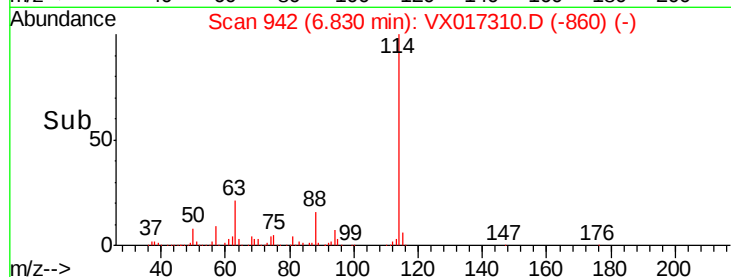
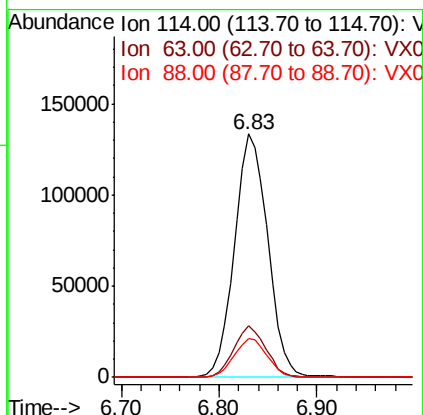
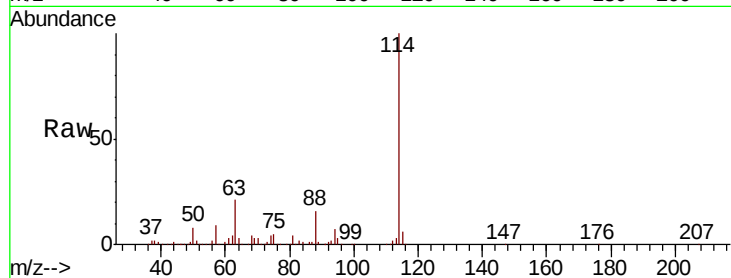




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017310.D
 Acq: 09 Jul 2020 16:11

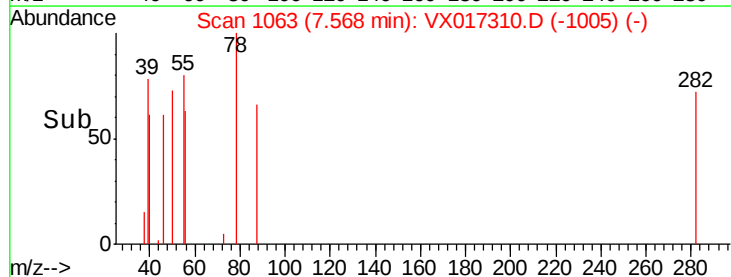
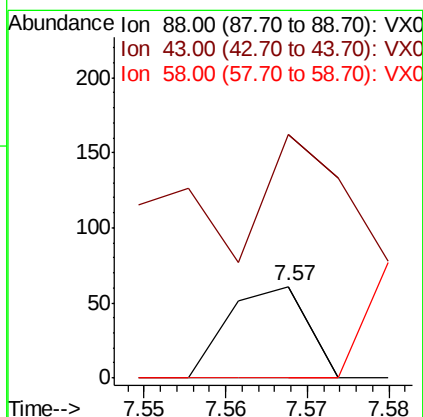
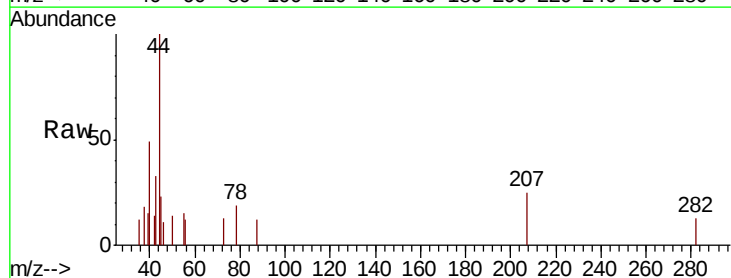
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

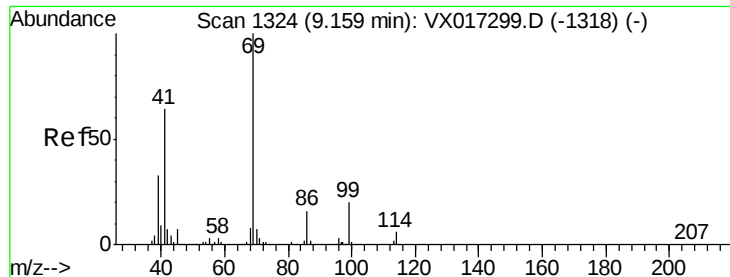
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.9	23.9
88	15.8	12.4	18.6



#45
 1,4-Dioxane
 Concen: 0.554 ug/l
 RT: 7.57 min Scan# 1063
 Delta R.T. -0.15 min
 Lab File: VX017310.D
 Acq: 09 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	414.6	29.0	43.4#
58	0.0	58.3	87.5#

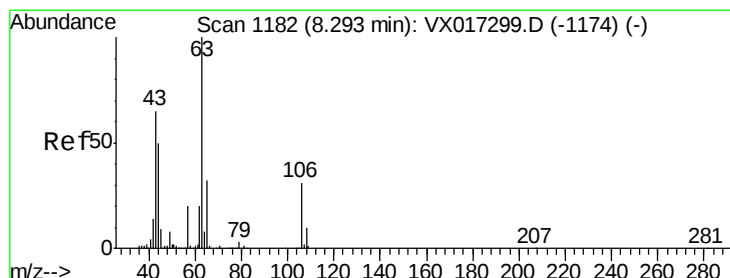
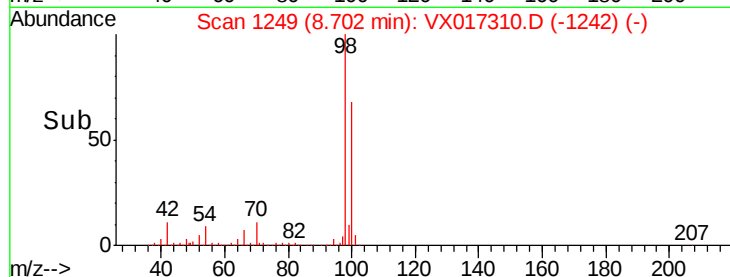
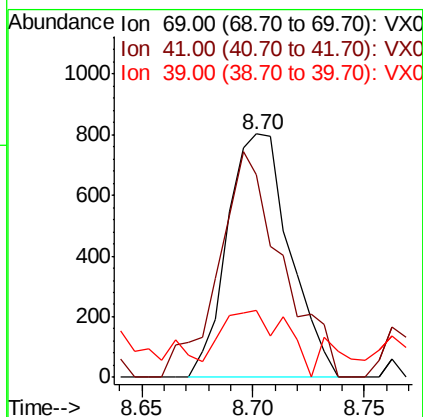
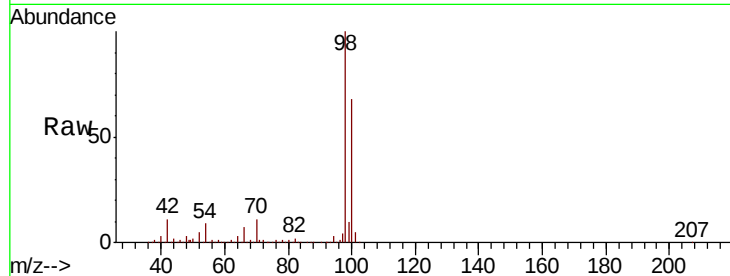




#51
Ethyl methacrylate
Concen: 0.298 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. -0.46 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

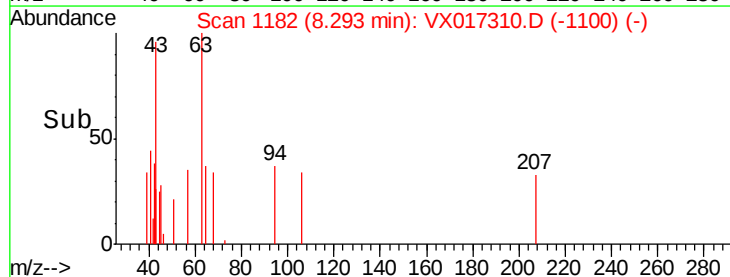
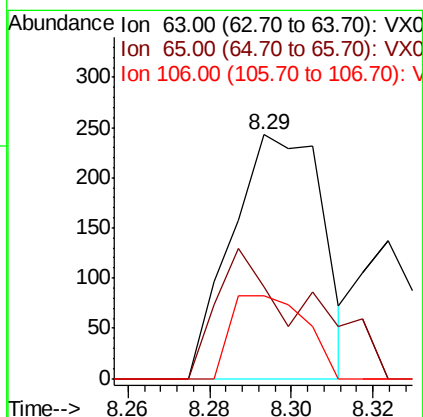
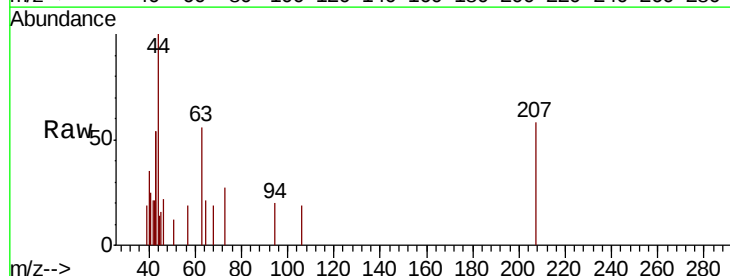
Instrument :
MSVOA_X
ClientSampled :
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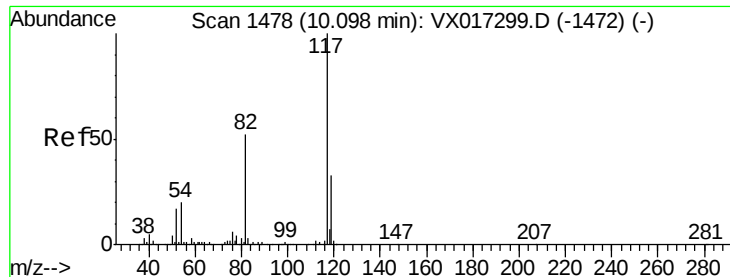
Tot Ion	69	Resp	1564
Ion Ratio	Lower	Upper	
69	100		
41	83.2	32.1	96.5
39	18.7	16.3	48.9



#55
2-Chloroethyl vinyl ether
Concen: 18.867 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Tgt Ion	63	Resp	377
Ion Ratio	Lower	Upper	
63	100		
65	33.4	25.4	38.0
106	28.1	24.5	36.7

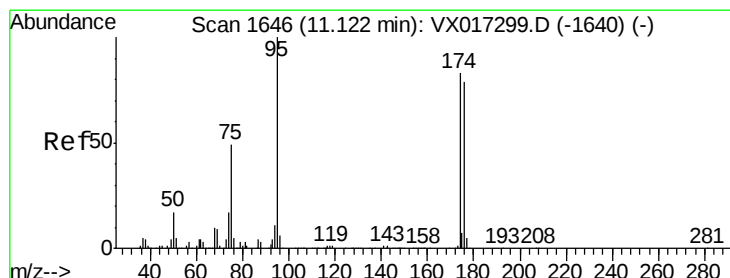
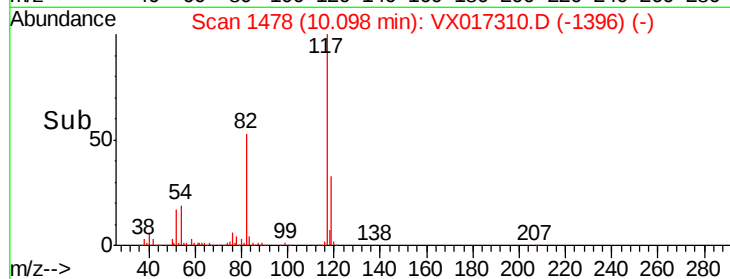
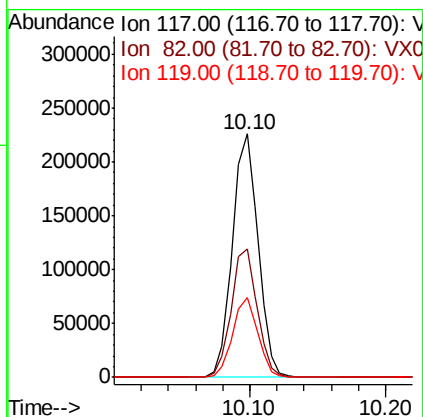
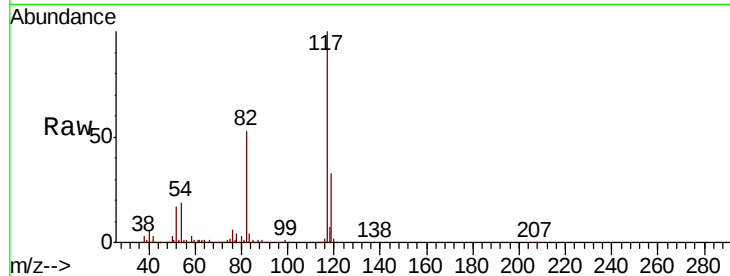




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

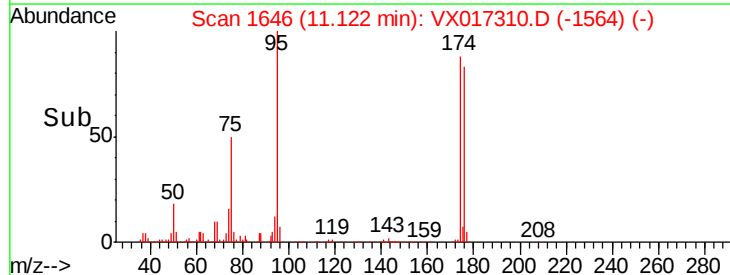
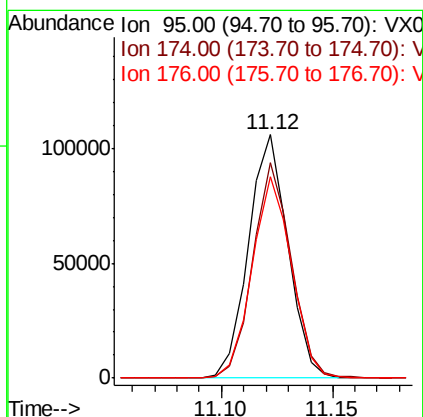
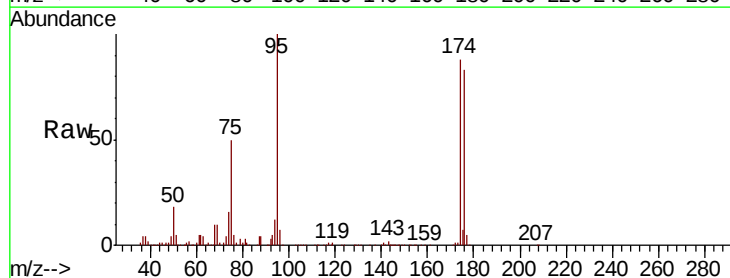
Instrument :
MSVOA_X
ClientSampleId :
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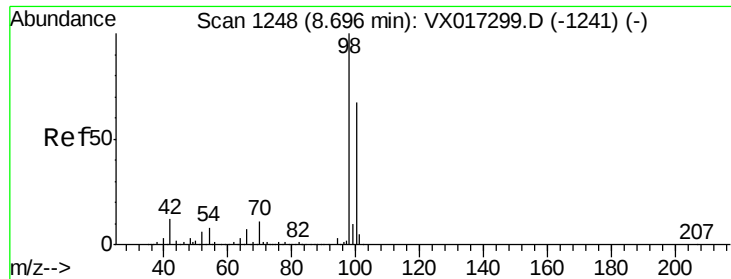
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.2	26.4	39.6



#60
4-Bromofluorobenzene
Concen: 25.718 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017310.D
Acq: 09 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	66.9	100.3
176	83.0	65.5	98.3





#63

Toluene-d8

Concen: 29.265 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017310.D

Acq: 09 Jul 2020 16:11

Instrument :

MSVOA_X

ClientSampled :

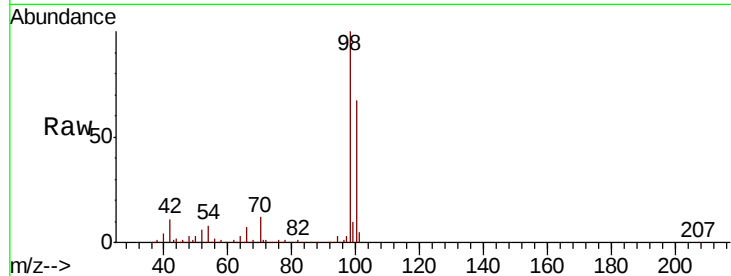
TRIP-BLANK

Tot Ion: 98 Resp: 369130

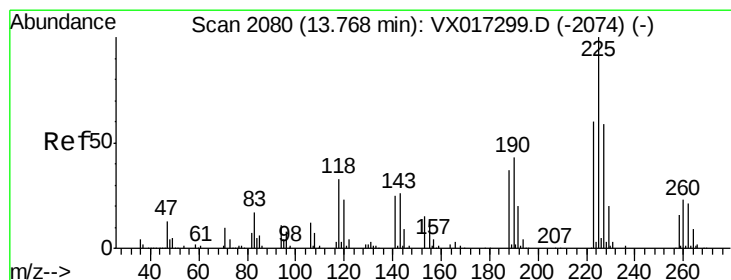
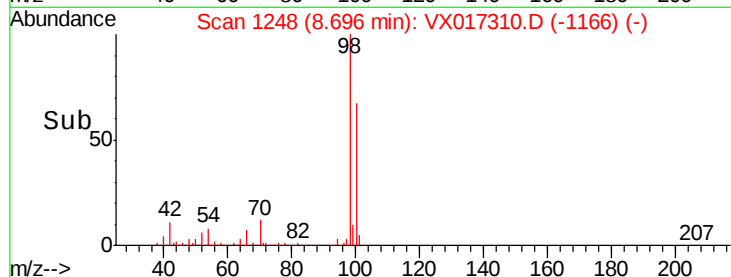
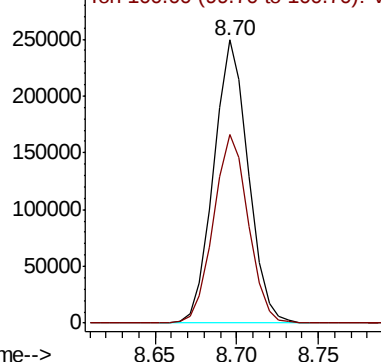
Ion Ratio Lower Upper

98 100

100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VX017299.D (-1241) (-)



#90

Hexachlorobutadiene

Concen: 0.230 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017310.D

Acq: 09 Jul 2020 16:11

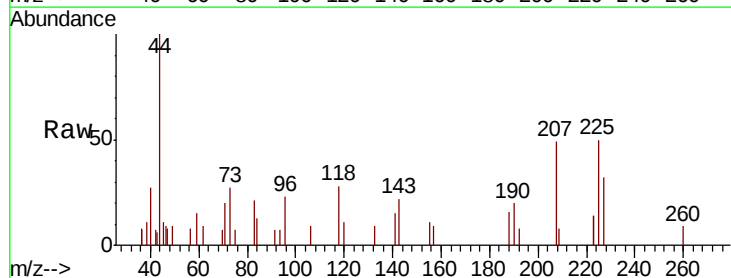
Tgt Ion: 225 Resp: 484

Ion Ratio Lower Upper

225 100

223 46.7 0.0 129.0

227 62.2 0.0 124.4



Abundance Ion 225.00 (224.70 to 225.70): VX017299.D (-2074) (-)

