

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017304.D
 Acq On : 09 Jul 2020 13:55
 Operator : JC/SP
 Sample : VX0709WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

Quant Time: Jul 10 06:37:32 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	53233	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	274559	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	250605	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	115735	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	11.12	95	112767	26.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.93%
63) Toluene-d8	8.70	98	316372	29.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.50%

Target Compounds

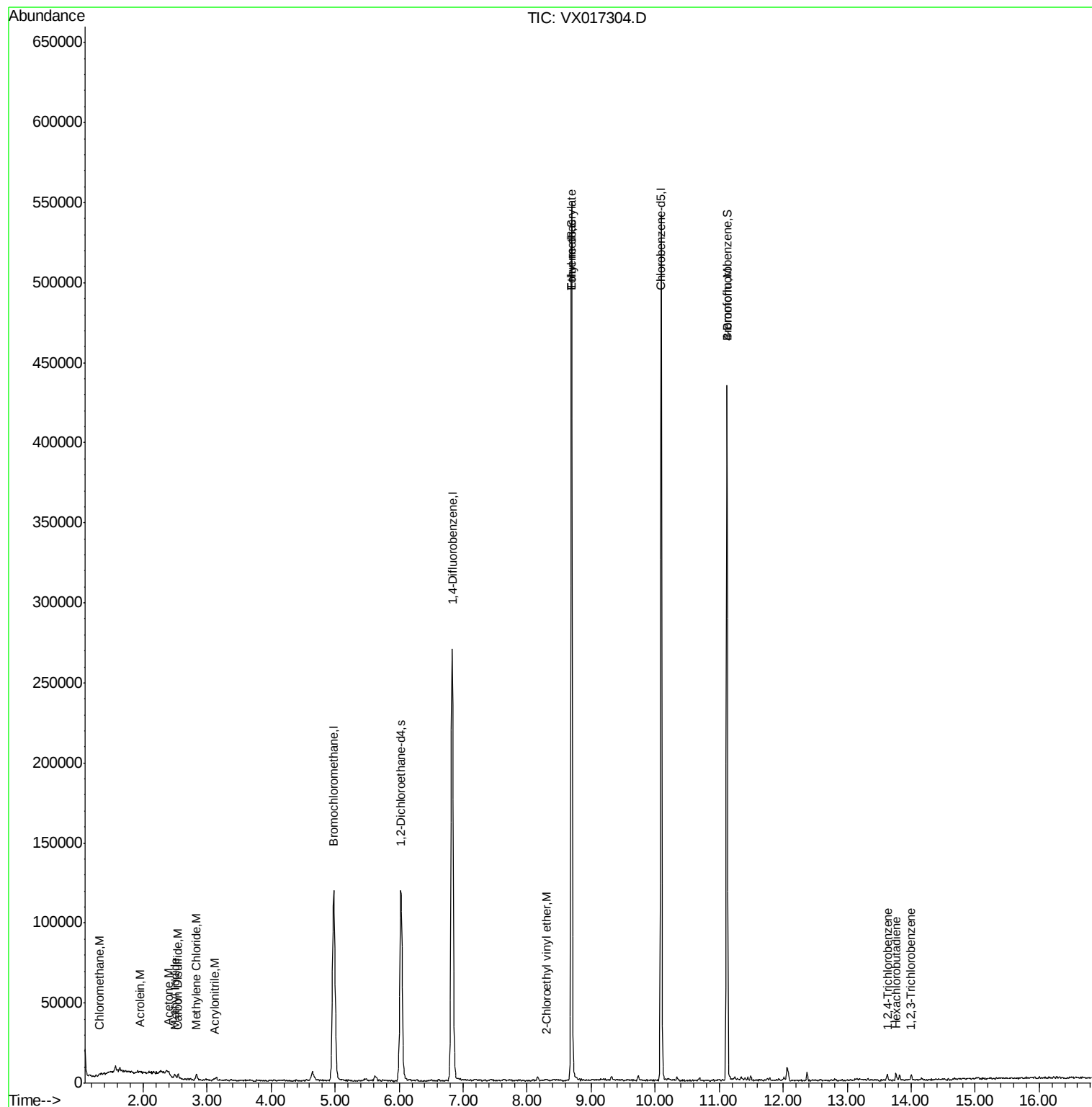
					Ovalue
3) Chloromethane	1.31	50	830	0.335 ug/l	97
11) Methyl Iodide	2.50	142	2032	0.705 ug/l	84
13) Acrolein	1.96	56	104	0.236 ug/l	87
14) Acrylonitrile	3.11	53	403	0.262 ug/l #	50
15) Acetone	2.41	58	184	0.474 ug/l #	1
16) Carbon Disulfide	2.55	76	2834	0.427 ug/l #	91
18) Methylene Chloride	2.84	84	1360	0.451 ug/l #	87
51) Ethyl methacrylate	8.70	69	1458	0.319 ug/l	69
55) 2-Chloroethyl vinyl ether	8.30	63	445	18.910 ug/l #	52
56) Bromoform	11.12	173	748	0.250 ug/l #	1
89) 1,2,4-Trichlorobenzene	13.63	180	1080	0.245 ug/l #	92
90) Hexachlorobutadiene	13.76	225	581	0.329 ug/l	91
92) 1,2,3-Trichlorobenzene	14.01	180	1009	0.230 ug/l	94

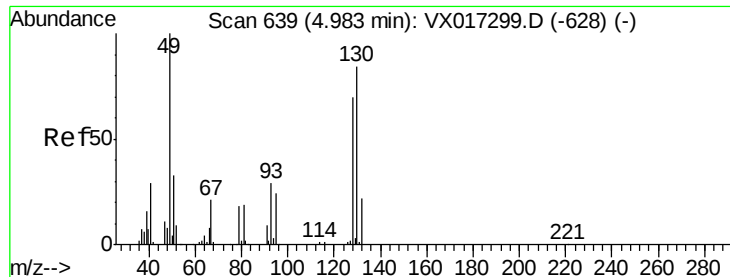
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
Data File : VX017304.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

Quant Time: Jul 10 06:37:32 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

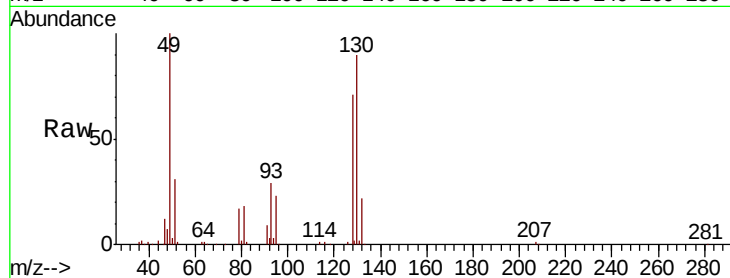
Tot Ion:128 Resp: 53233

Ion Ratio Lower Upper

128 100

49 144.8 0.0 358.8

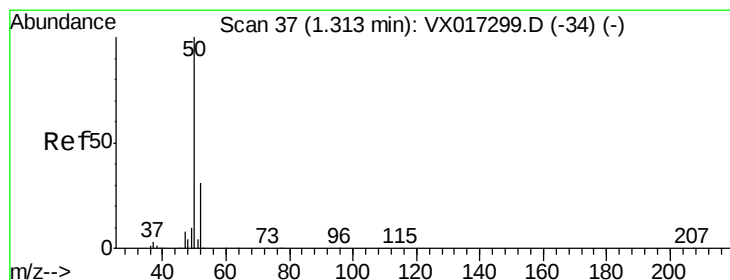
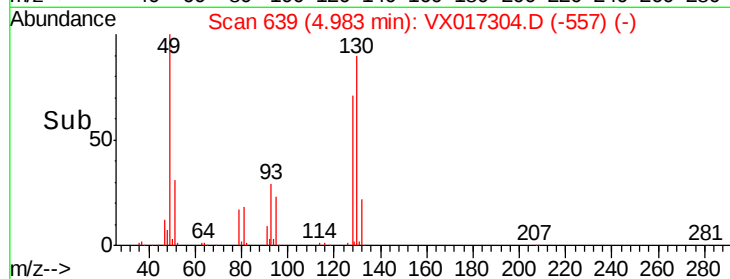
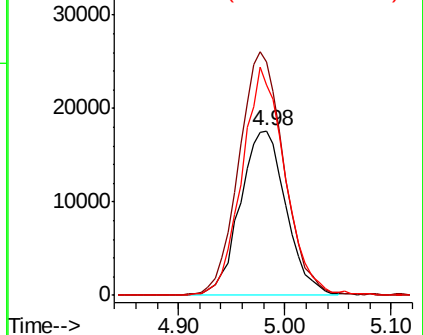
130 129.4 0.0 323.8



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



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017304.D

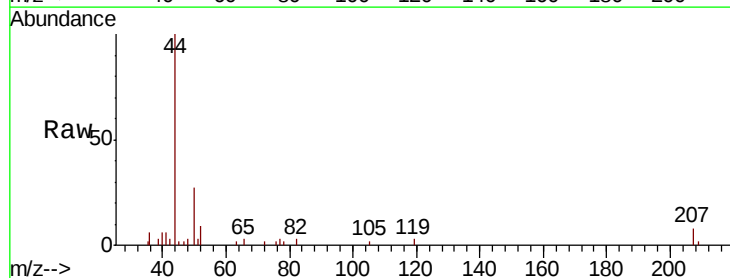
Acq: 09 Jul 2020 13:55

Tgt Ion: 50 Resp: 830

Ion Ratio Lower Upper

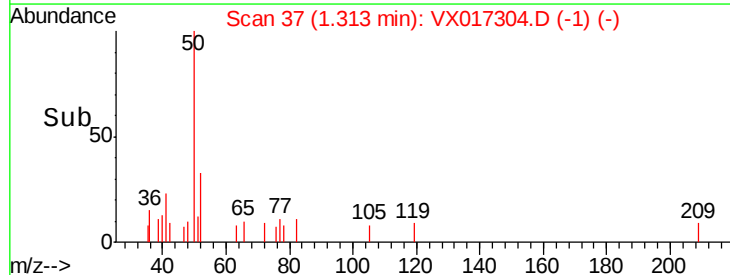
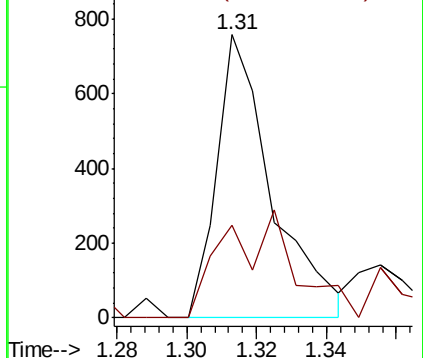
50 100

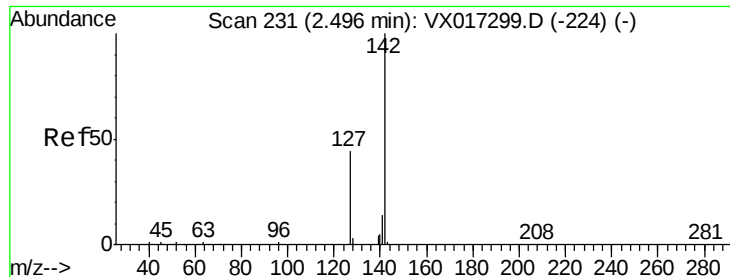
52 32.8 24.8 37.2



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

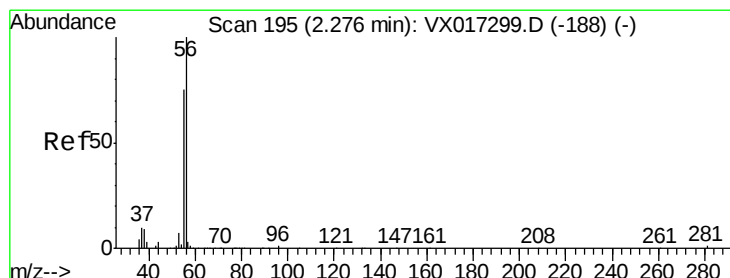
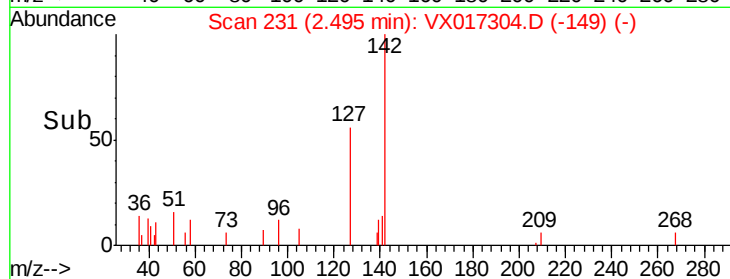
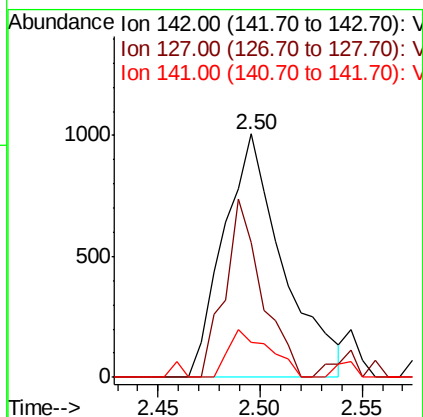
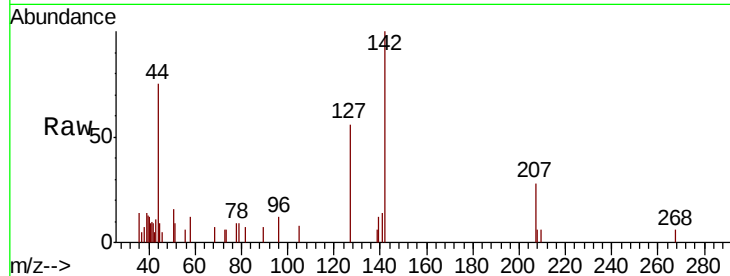




#11
Methvl Iodide
Concen: 0.705 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

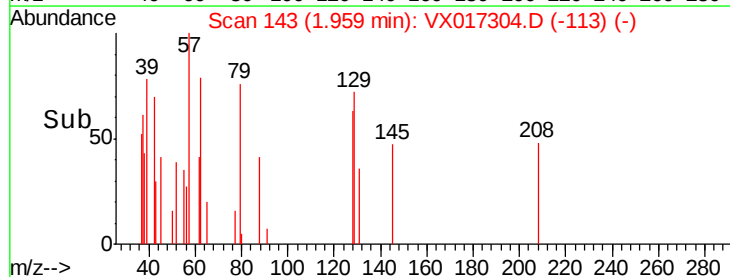
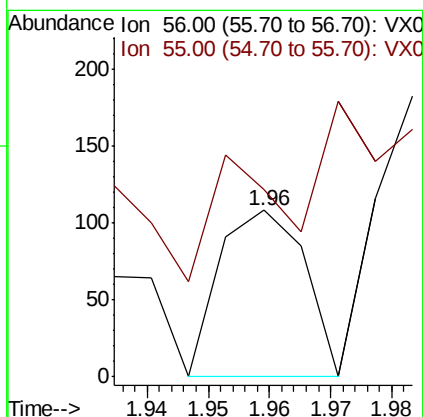
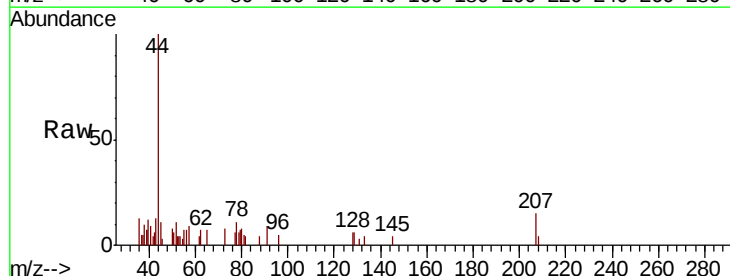
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

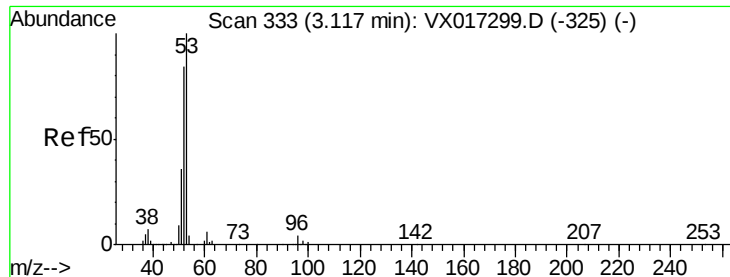
Tot Ion:142 Resp: 2032
Ion Ratio Lower Upper
142 100
127 56.6 21.9 65.7
141 12.6 7.0 21.1



#13
Acrolein
Concen: 0.236 ug/l
RT: 1.96 min Scan# 143
Delta R.T. -0.32 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 62.5 58.5 87.7





#14

Acrylonitrile

Concen: 0.262 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

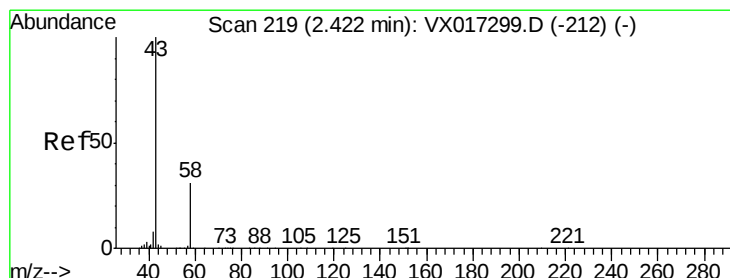
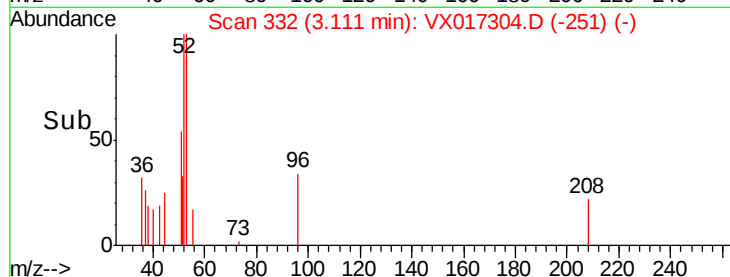
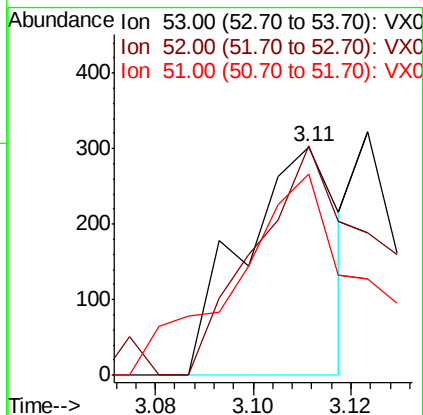
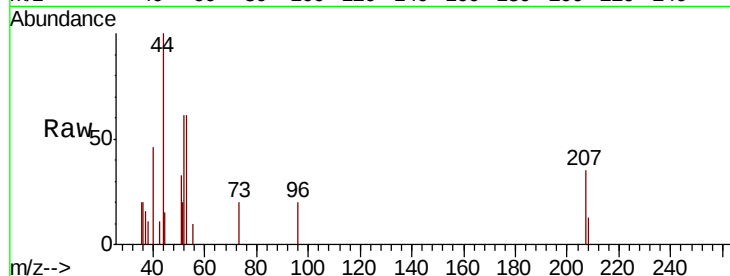
Tot Ion: 53 Resp: 403

Ion Ratio Lower Upper

53 100

52 130.3 41.3 123.9#

51 62.3 18.1 54.1#



#15

Acetone

Concen: 0.474 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017304.D

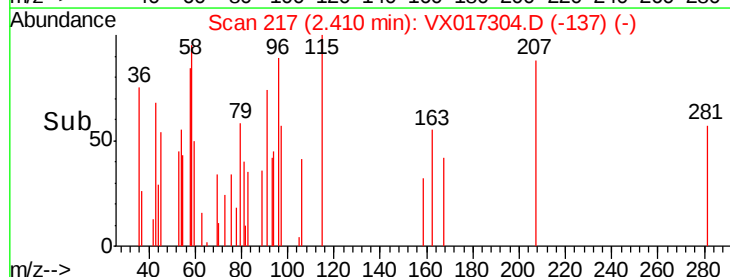
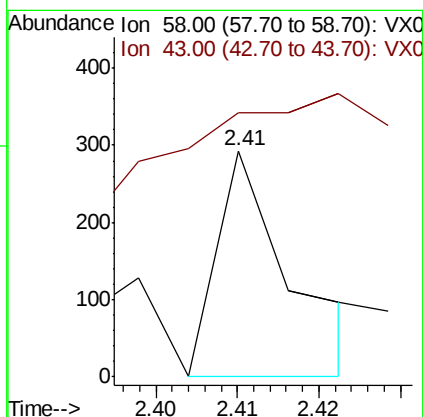
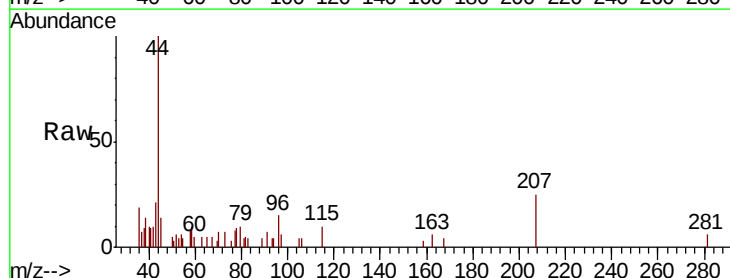
Acq: 09 Jul 2020 13:55

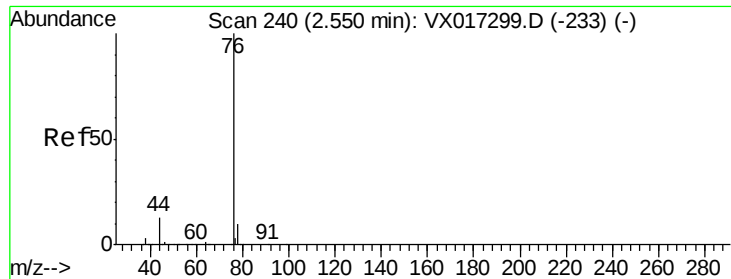
Tgt Ion: 58 Resp: 184

Ion Ratio Lower Upper

58 100

43 16.0 255.0 382.4#

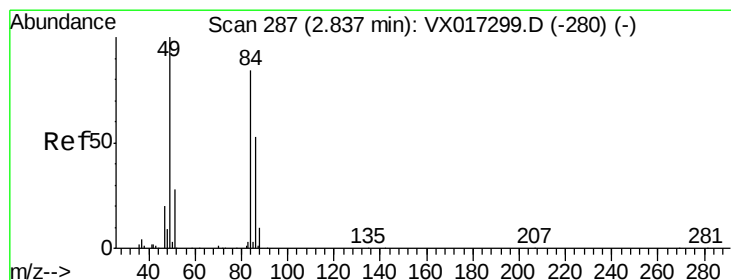
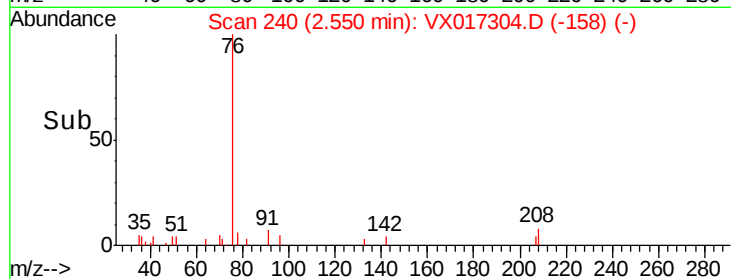
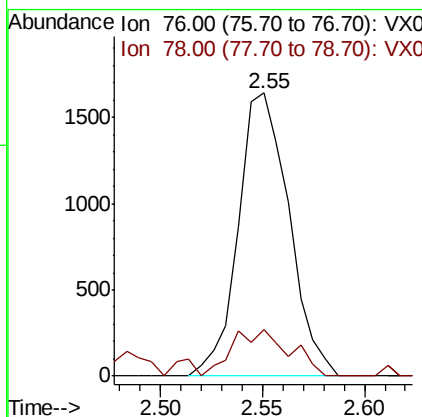
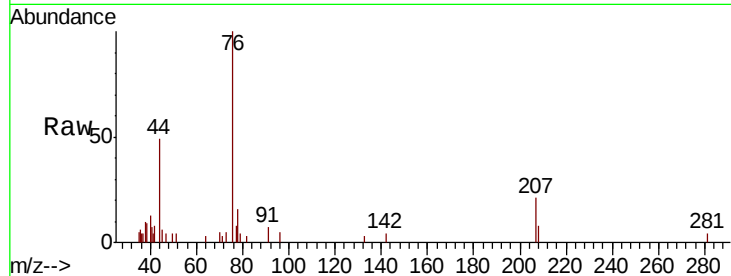




#16
Carbon Disulfide
Concen: 0.427 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

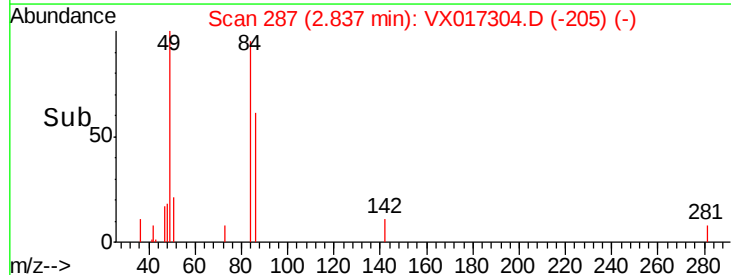
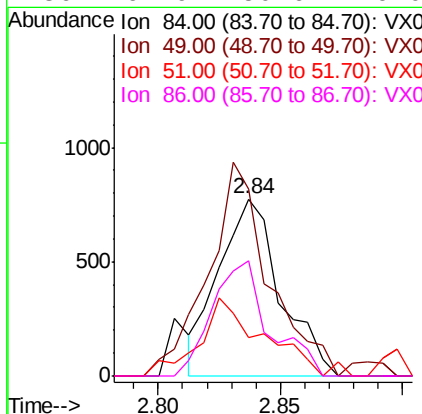
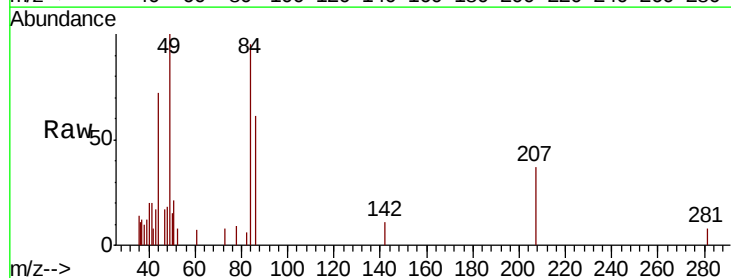
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

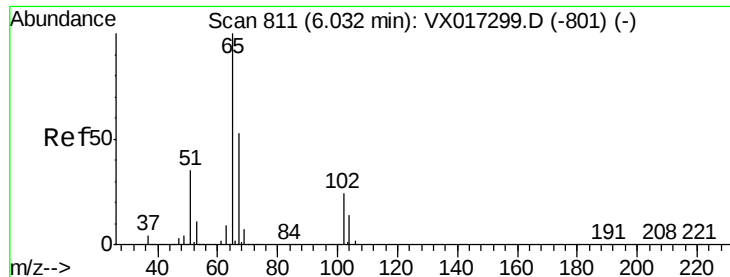
Tot Ion: 76 Resp: 2834
Ion Ratio Lower Upper
76 100
78 13.0 7.9 11.9#



#18
Methylene Chloride
Concen: 0.451 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

Tgt Ion: 84 Resp: 1360
Ion Ratio Lower Upper
84 100
49 105.8 95.7 143.5
51 14.1 27.2 40.8#
86 64.9 50.6 76.0





#27

1,2-Dichloroethane-d4

Concen: 30.250 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

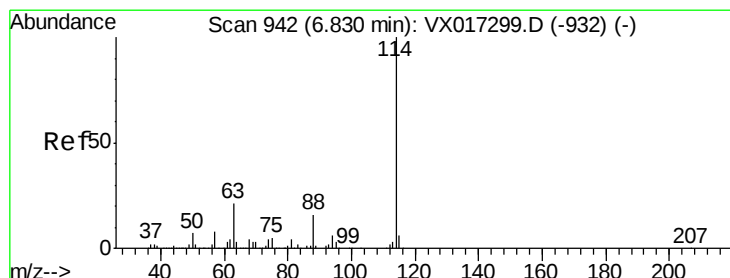
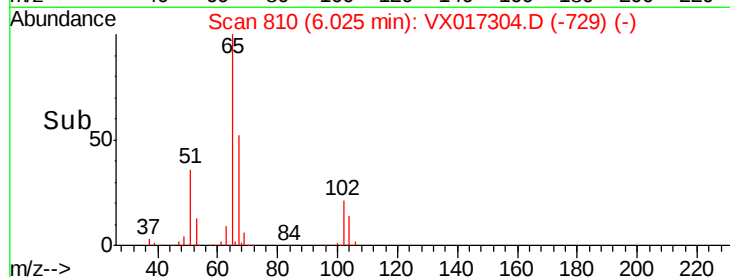
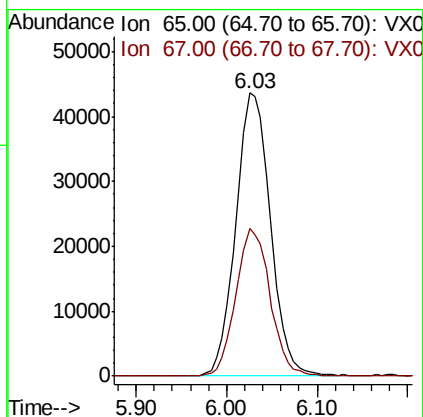
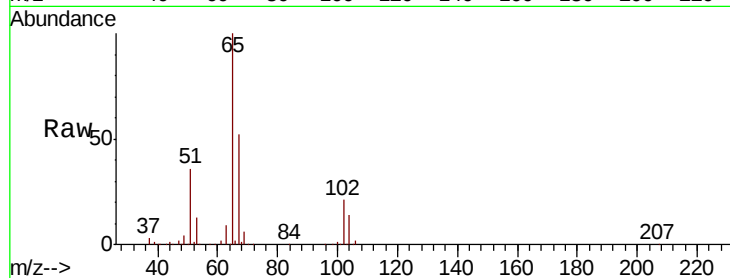
VX0709WBL01

Tot Ion: 65 Resp: 115735

Ion Ratio Lower Upper

65 100

67 51.6 41.0 61.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

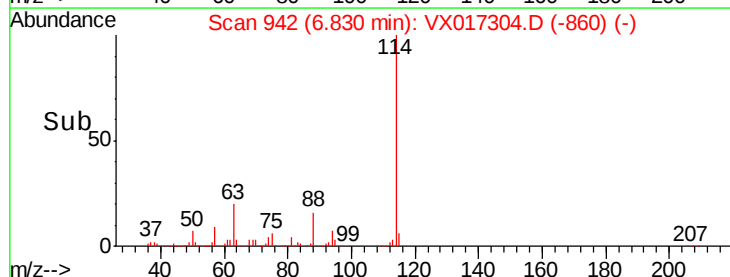
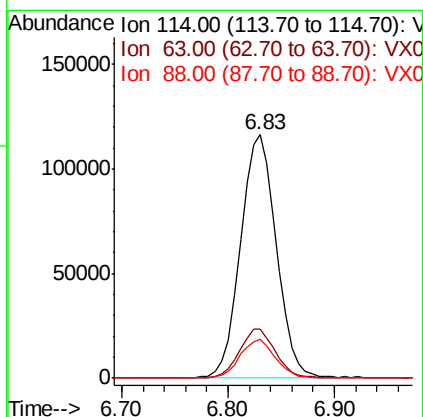
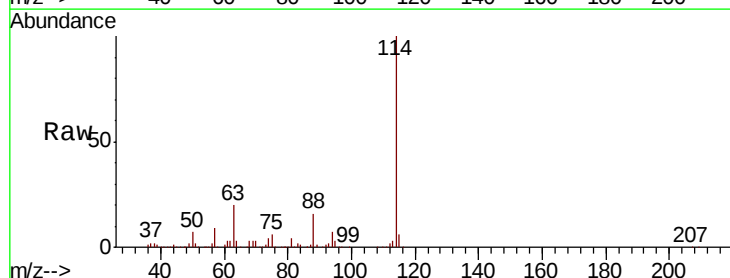
Tgt Ion: 114 Resp: 274559

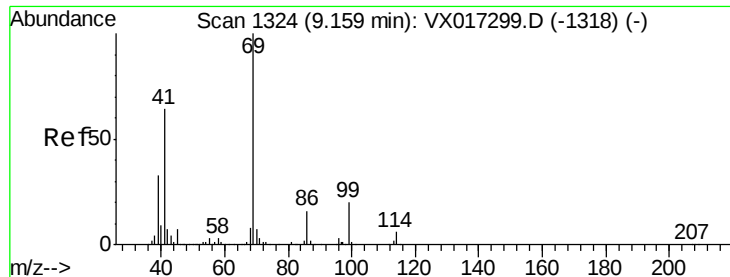
Ion Ratio Lower Upper

114 100

63 20.2 15.9 23.9

88 15.6 12.4 18.6





#51

Ethyl methacrylate

Concen: 0.319 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.46 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

Instrument :

MSVOA_X

ClientSampled :

VX0709WBL01

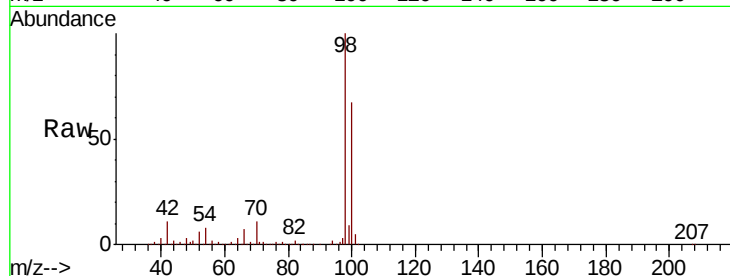
Tot Ion: 69 Resp: 1458

Ion Ratio Lower Upper

69 100

41 37.6 32.1 96.5

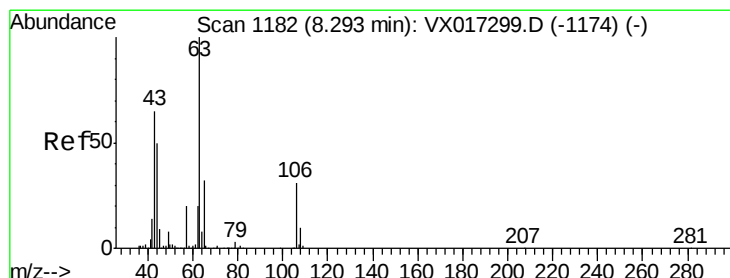
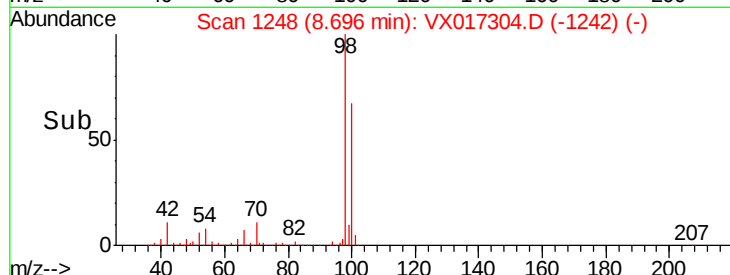
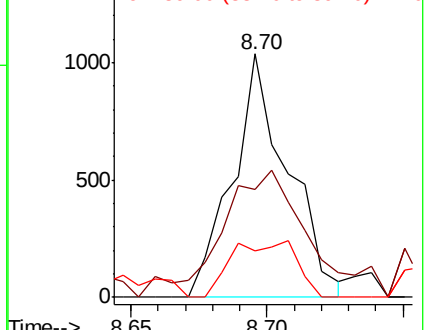
39 19.4 16.3 48.9



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#55

2-Chloroethyl vinyl ether

Concen: 18.910 ug/l

RT: 8.30 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

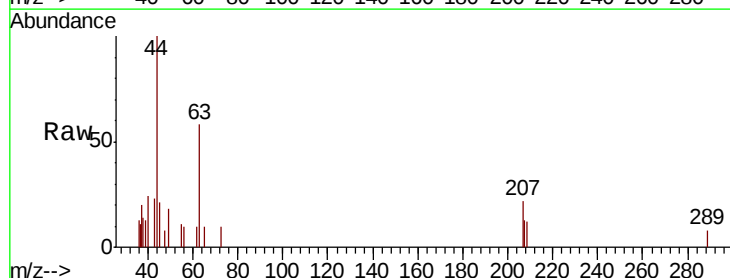
Tgt Ion: 63 Resp: 445

Ion Ratio Lower Upper

63 100

65 9.7 25.4 38.0#

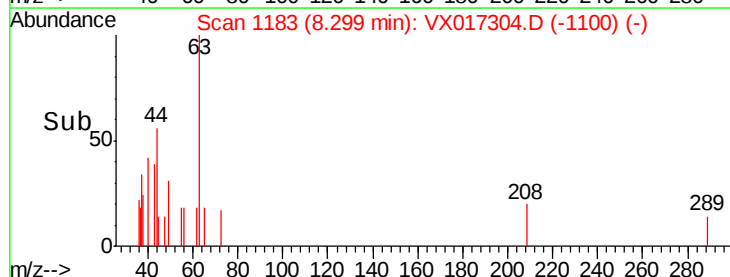
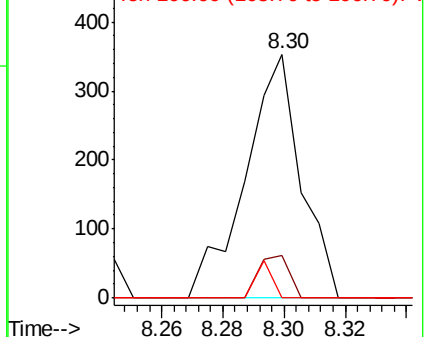
106 0.0 24.5 36.7#

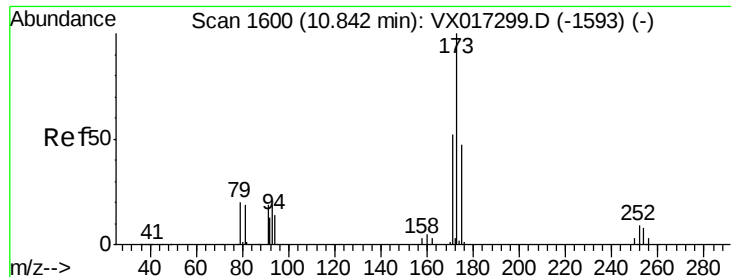


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

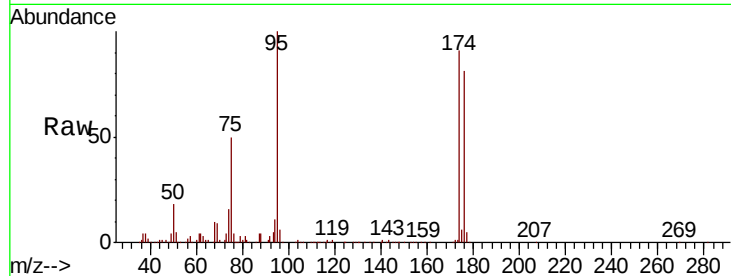




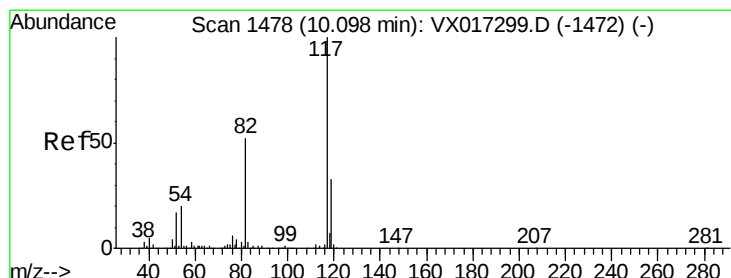
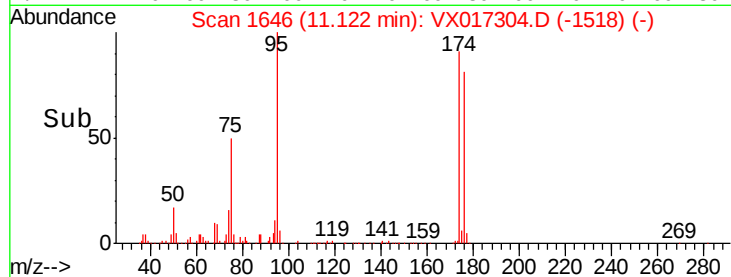
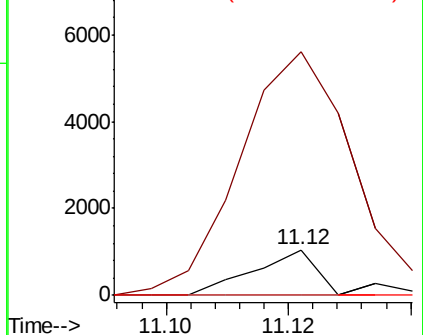
#56
Bromoform
Concen: 0.250 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.28 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

Tot Ion:173 Resp: 748
Ion Ratio Lower Upper
173 100
175 965.9 38.4 57.6#
254 0.0 7.0 10.4#

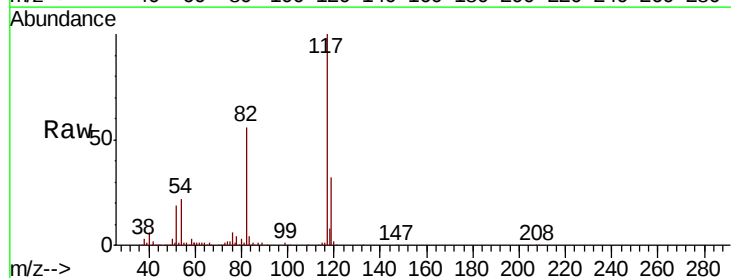


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

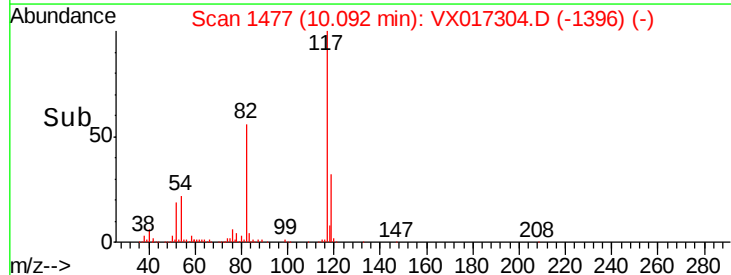
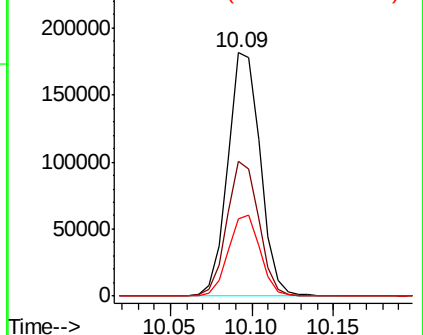


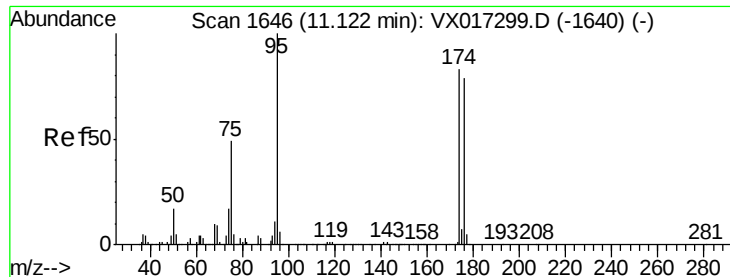
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

Tgt Ion:117 Resp: 250605
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 32.7 26.4 39.6



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

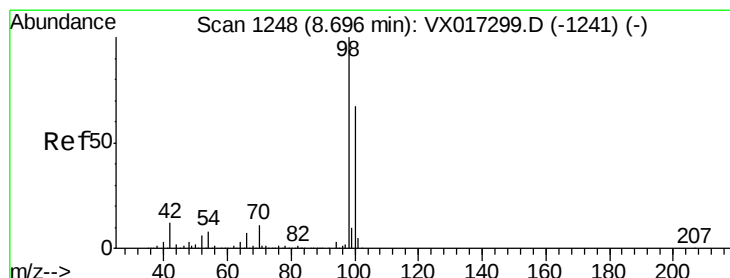
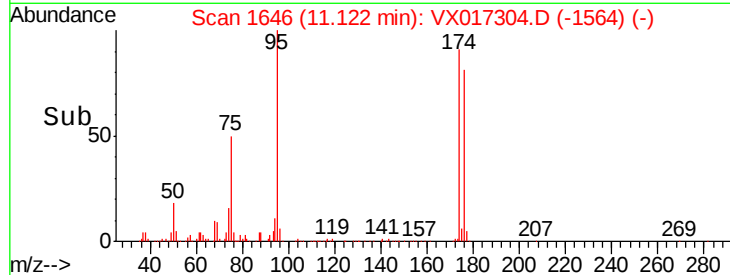
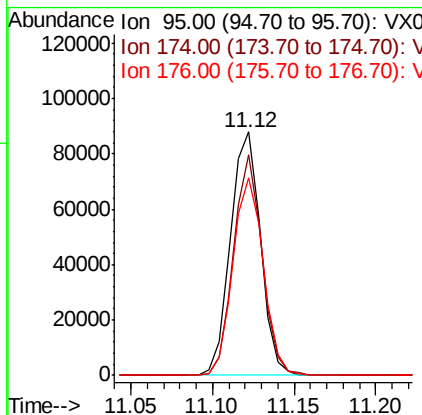
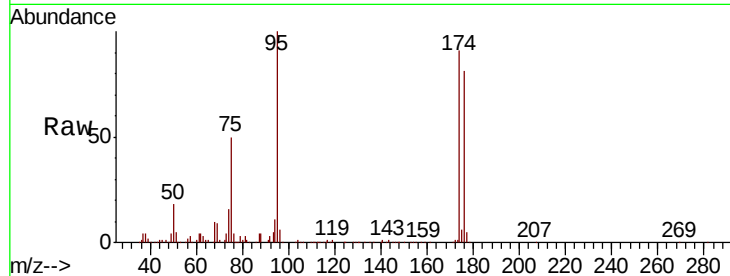




#60
4-Bromofluorobenzene
Concen: 26.376 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

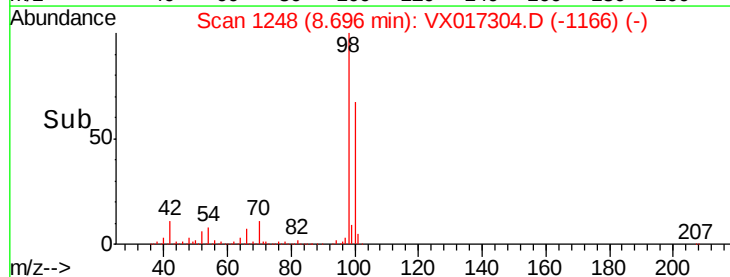
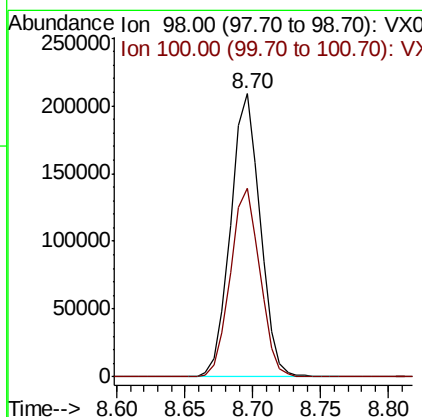
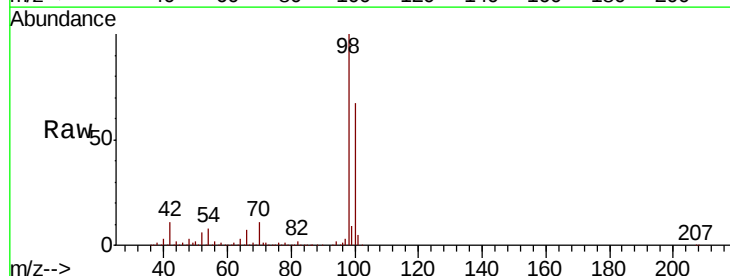
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

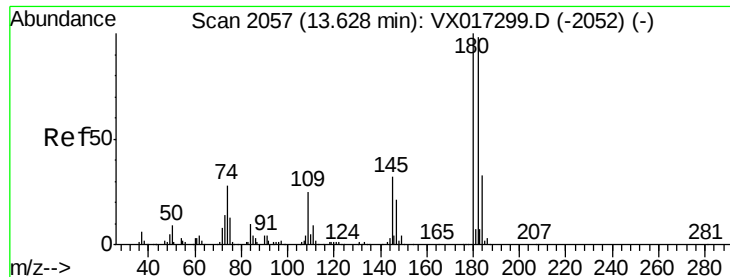
Tot Ion	95	Resp	112767
Ion Ratio	Lower	Upper	
95	100		
174	85.1	66.9	100.3
176	82.2	65.5	98.3



#63
Toluene-d8
Concen: 29.845 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017304.D
Acq: 09 Jul 2020 13:55

Tgt Ion	98	Resp	316372
Ion Ratio	Lower	Upper	
98	100		
100	66.6	52.8	79.2

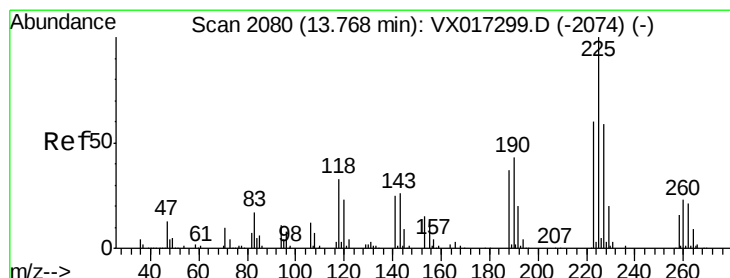
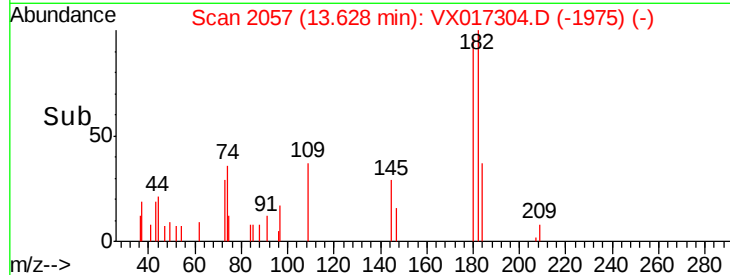
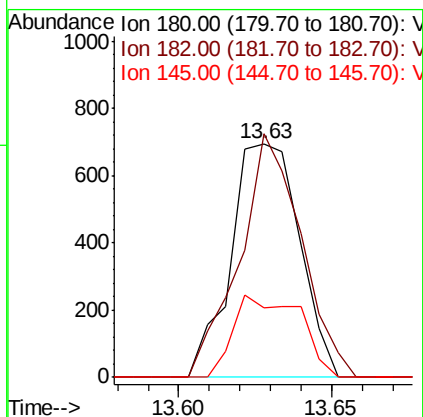
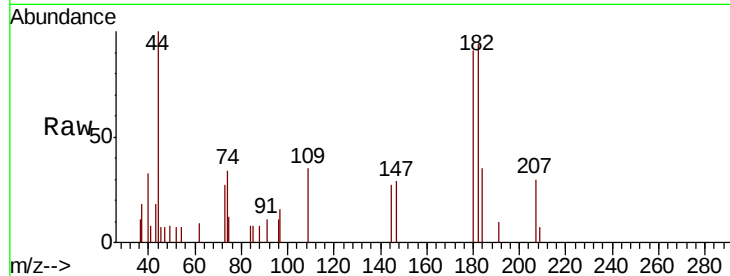




#89
 1,2,4-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017304.D
 Acq: 09 Jul 2020 13:55

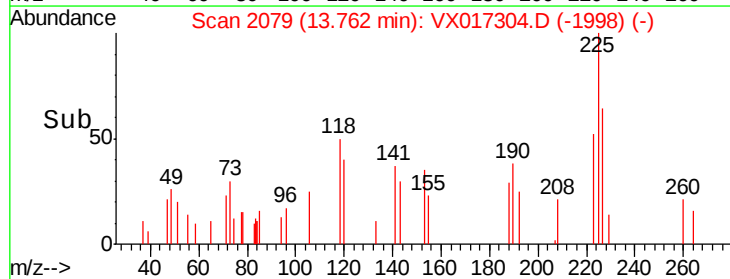
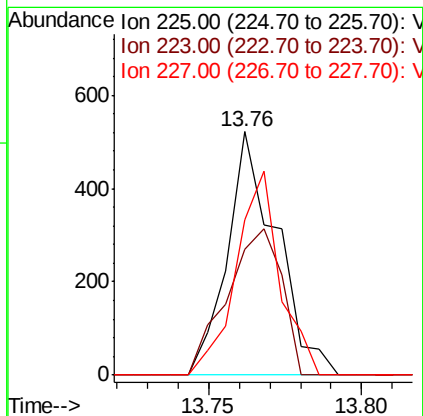
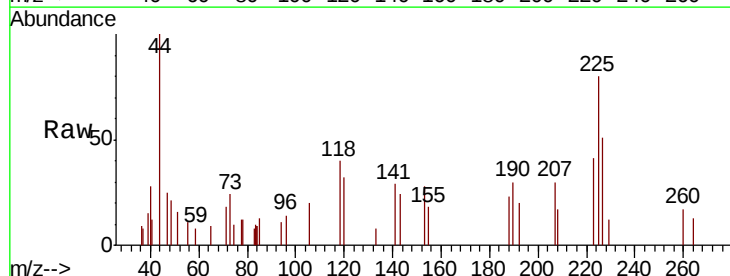
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

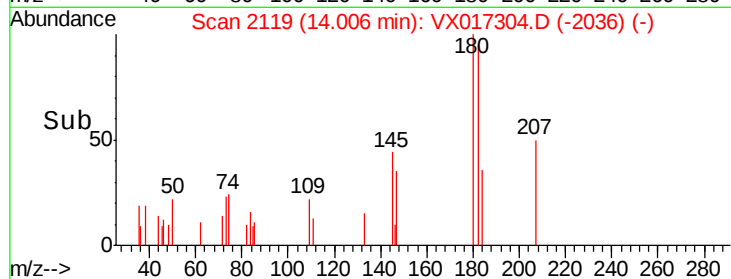
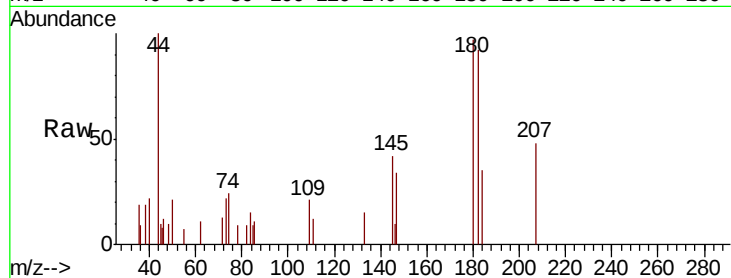
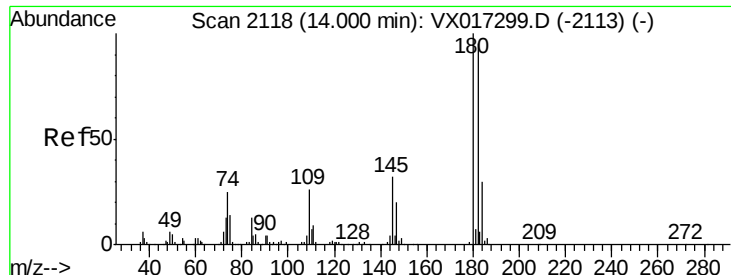
Tot Ion:180 Resp: 1080
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.8 116.8
 145 18.0 25.0 37.4#



#90
 Hexachlorobutadiene
 Concen: 0.329 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017304.D
 Acq: 09 Jul 2020 13:55

Tgt Ion:225 Resp: 581
 Ion Ratio Lower Upper
 225 100
 223 66.4 0.0 129.0
 227 74.0 0.0 124.4





#92

1,2,3-Trichlorobenzene

Concen: 0.230 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX017304.D

Acq: 09 Jul 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

Tot Ion:180 Resp: 1009

Ion Ratio Lower Upper

180 100

182 89.4 0.0 185.6

145 38.3 0.0 63.0

