

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017214.D
 Acq On : 07 Jul 2020 19:17
 Operator : JC/SP
 Sample : L3195-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117T-20200630

Quant Time: Jul 08 01:55:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	419616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	167287	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
35) Dibromofluoromethane	5.47	113	142337	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	8.70	98	512938	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.12	95	212992	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	

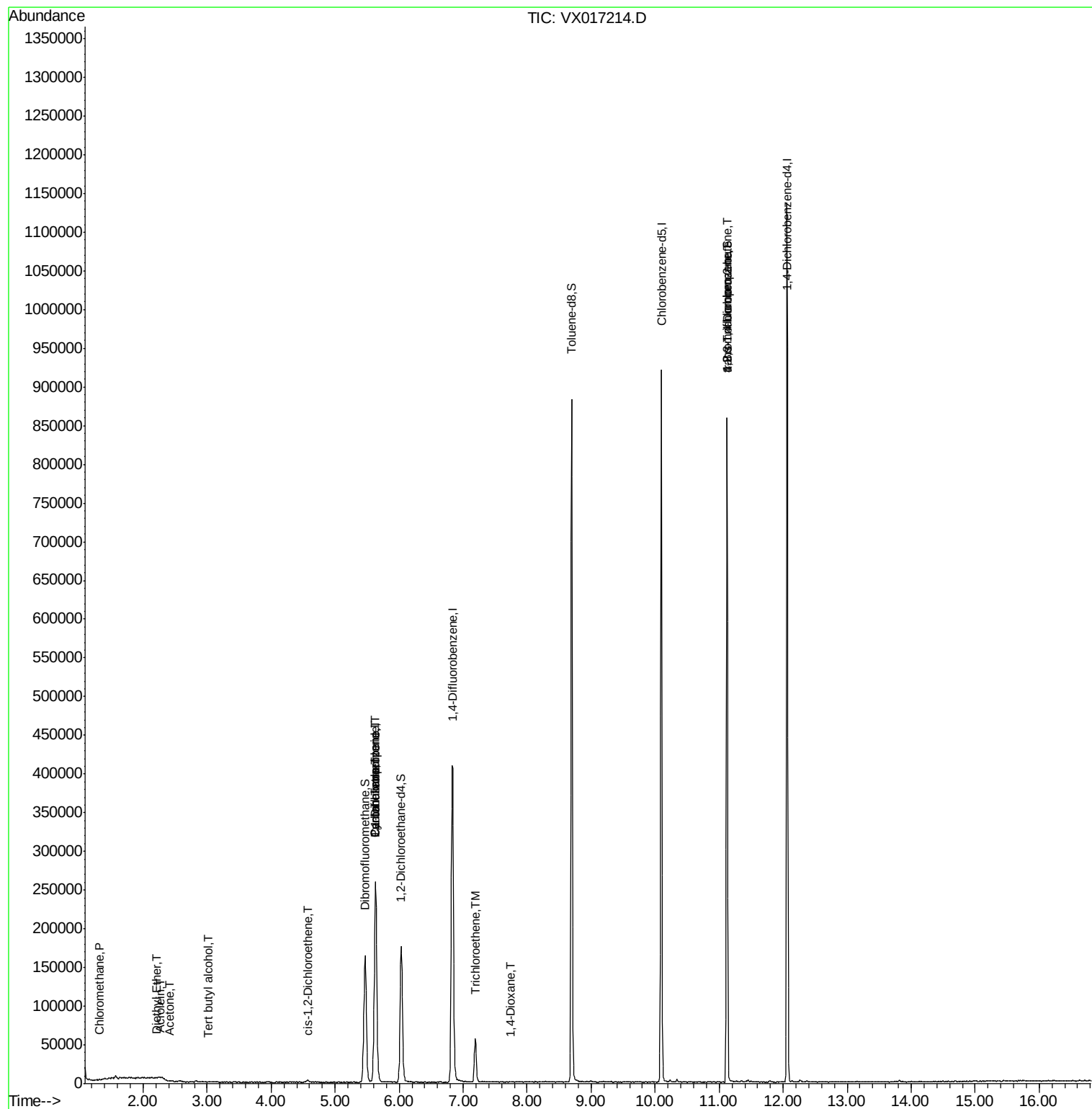
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	697	0.242	ug/l #	72
8) Diethyl Ether	2.21	74	26	0.385	ug/l #	1
11) Tert butyl alcohol	3.03	59	251	0.433	ug/l #	73
13) Acrolein	2.26	56	146	0.422	ug/l #	17
16) Acetone	2.42	43	1161	1.022	ug/l #	70
20) Methylene Chloride	2.83	84	441	Below Cal	#	76
27) cis-1,2-Dichloroethene	4.57	96	1994	0.651	ug/l	77
31) Cyclohexane	5.64	56	5024	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17462	4.403	ug/l #	52
38) Carbon Tetrachloride	5.62	117	25177	5.764	ug/l #	19
44) Trichloroethene	7.19	130	21105	6.293	ug/l	92
49) 1,4-Dioxane	7.74	88	43	0.597	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104685	23.149	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104685	59.947	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	390	Below Cal	#	1

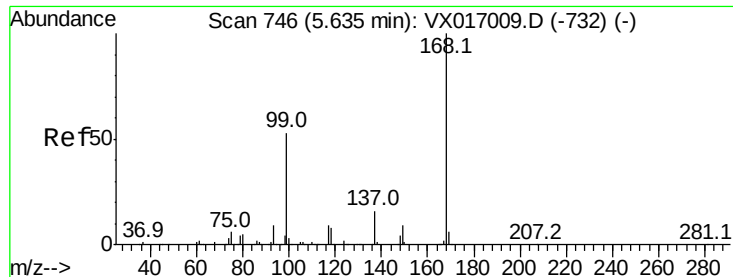
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 08 01:55:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

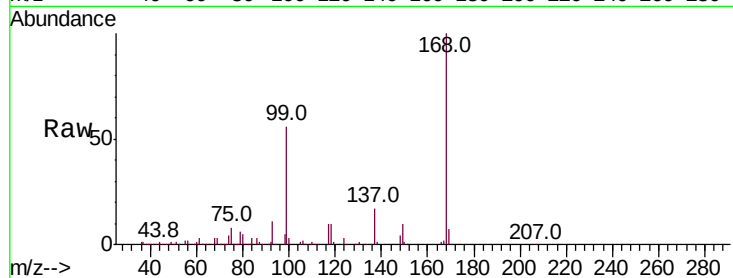
MH-117T-20200630

Tot Ion:168 Resp: 246253

Ion Ratio Lower Upper

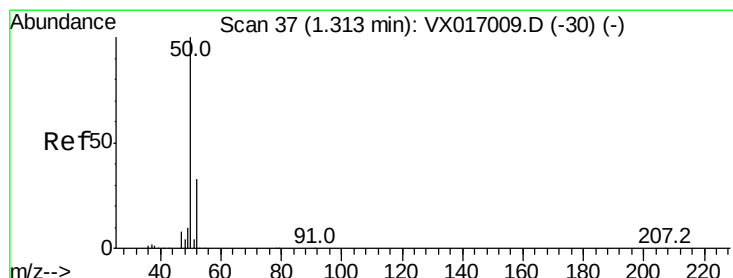
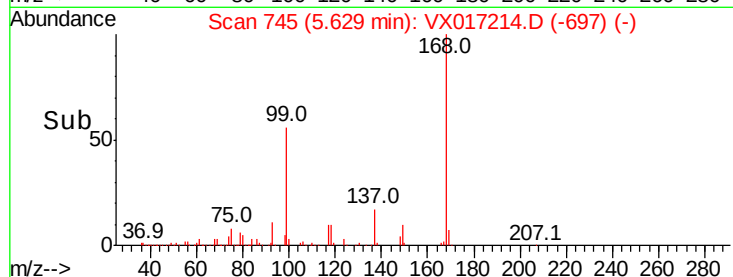
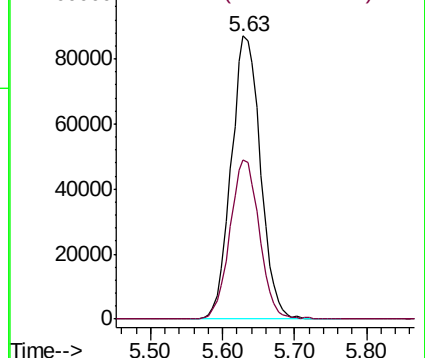
168 100

99 56.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017214.D

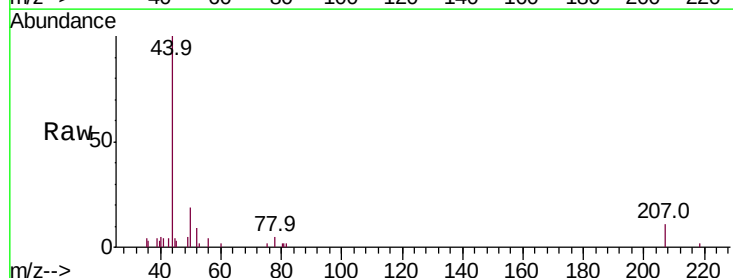
Acq: 07 Jul 2020 19:17

Tgt Ion: 50 Resp: 697

Ion Ratio Lower Upper

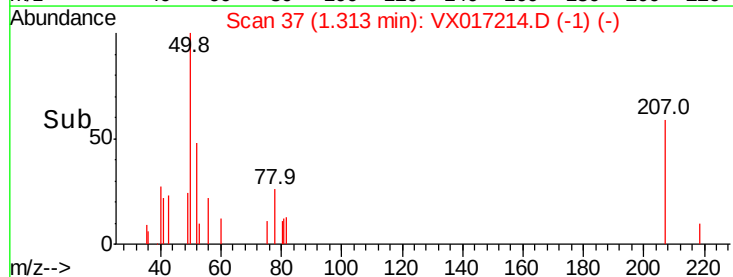
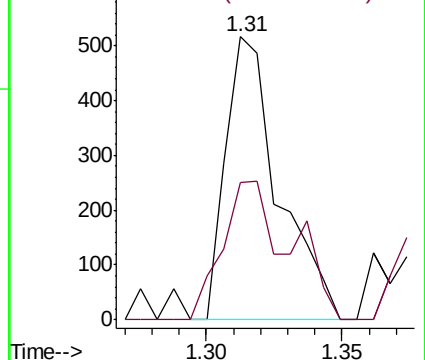
50 100

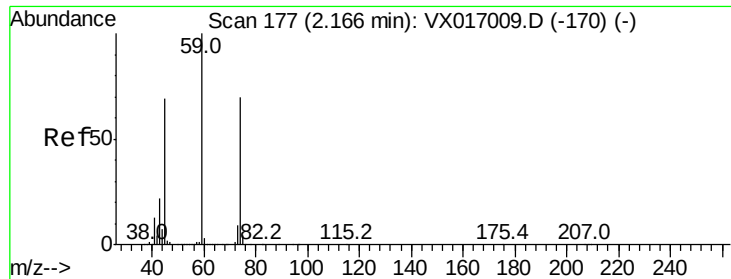
52 48.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.385 ug/l

RT: 2.21 min Scan# 185

Delta R.T. 0.05 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

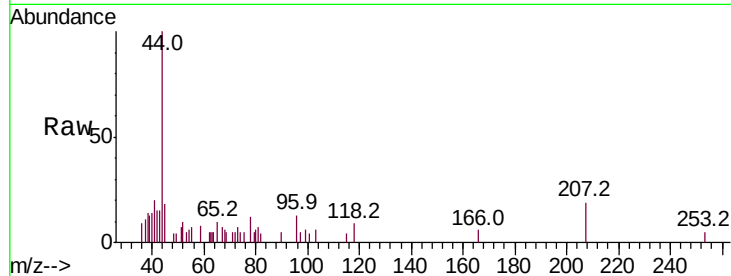
MH-117T-20200630

Tot Ion: 74 Resp: 26

Ion Ratio Lower Upper

74 100

45 815.4 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300

200

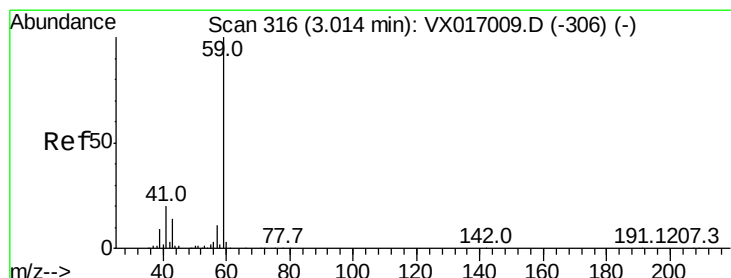
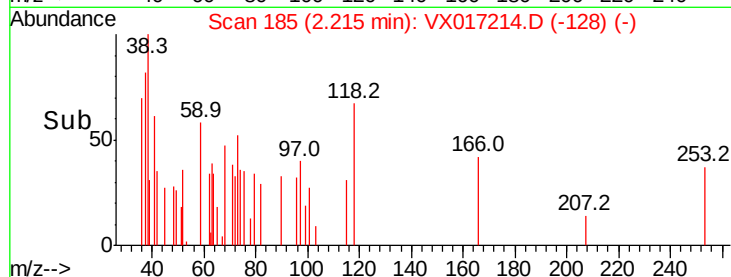
100

0

2.20 2.21 2.22 2.23

2.21

Time-->



#11

Tert butyl alcohol

Concen: 0.433 ug/l

RT: 3.03 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX017214.D

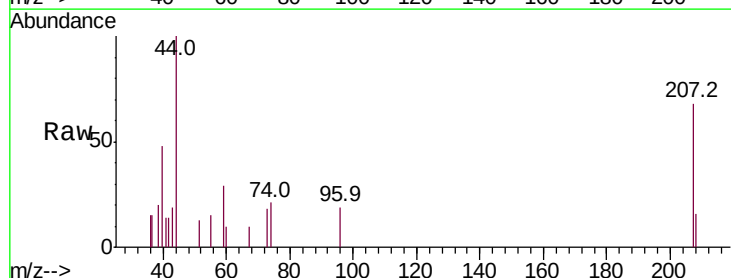
Acq: 07 Jul 2020 19:17

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150

100

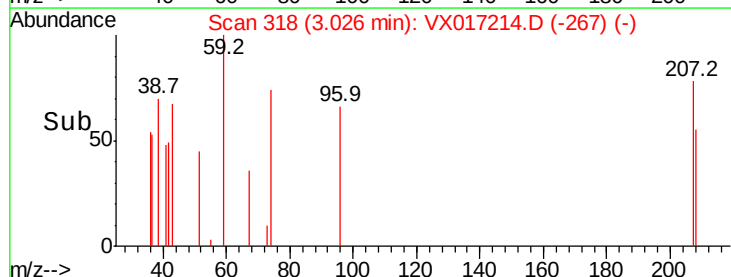
50

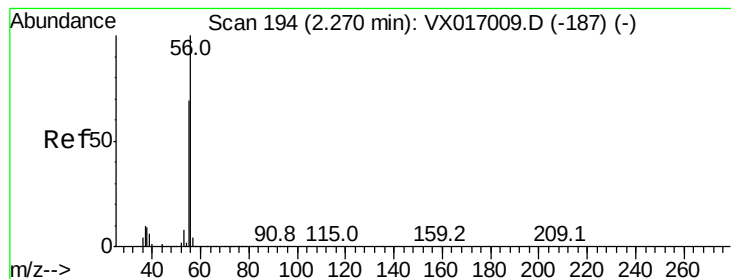
0

3.00 3.03 3.05

3.03

Time-->





#13

Acrolein

Concen: 0.422 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

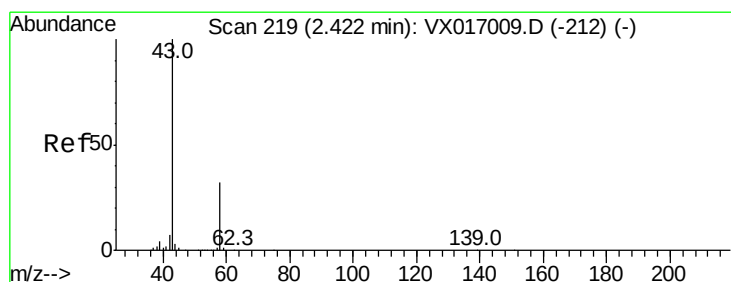
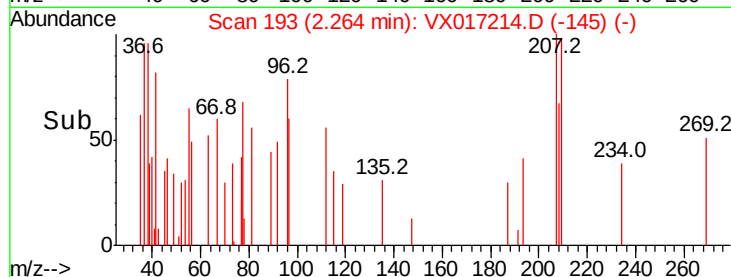
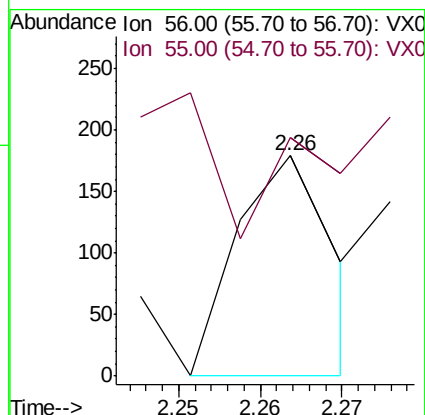
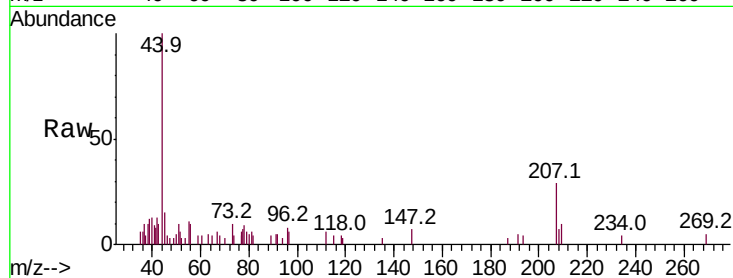
MH-117T-20200630

Tot Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 137.7 55.7 83.5#



#16

Acetone

Concen: 1.022 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017214.D

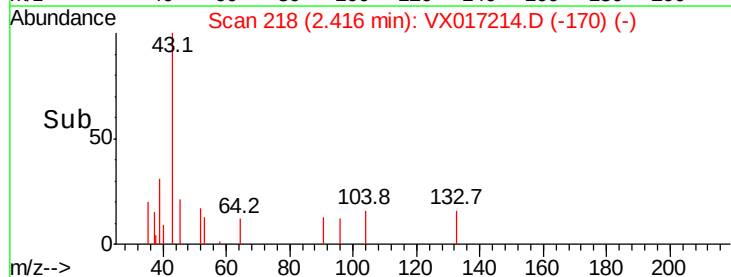
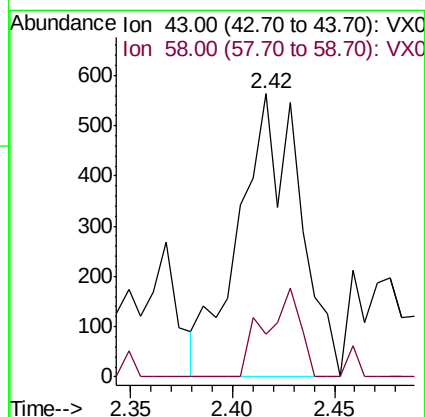
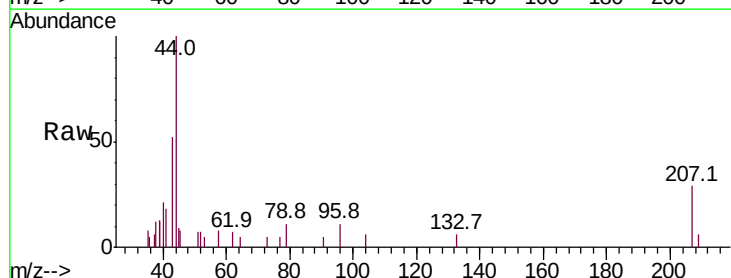
Acq: 07 Jul 2020 19:17

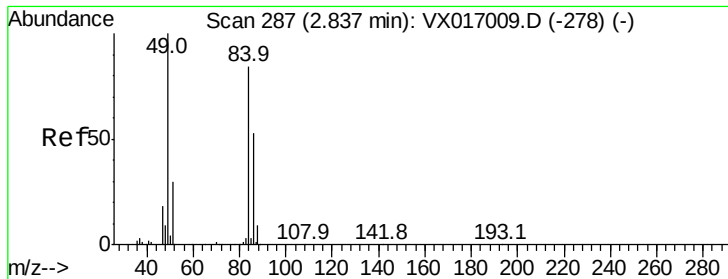
Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

58 15.1 25.7 38.5#

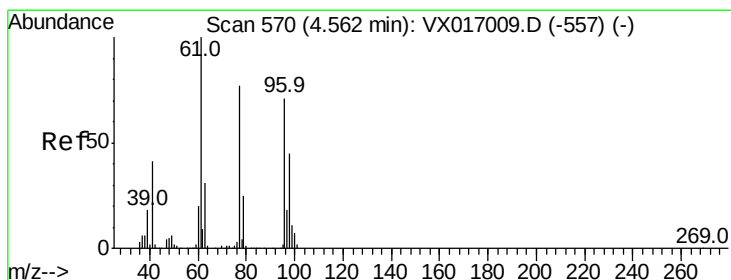
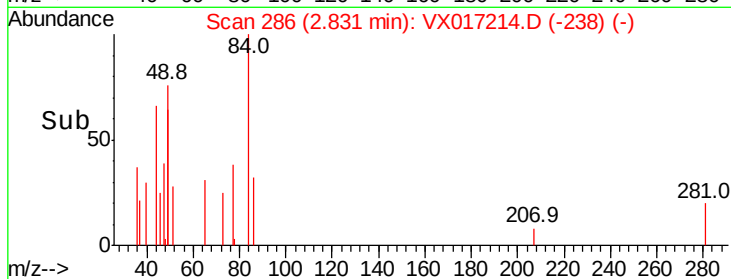
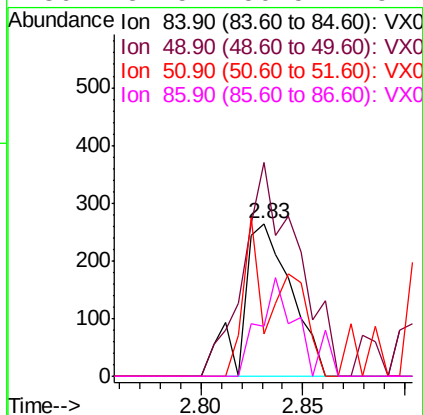
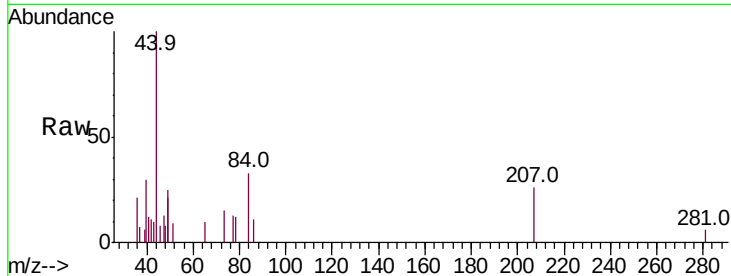




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

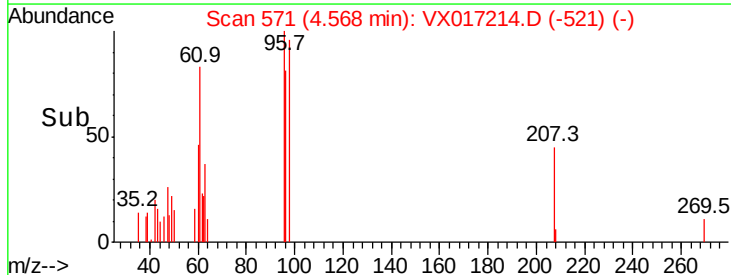
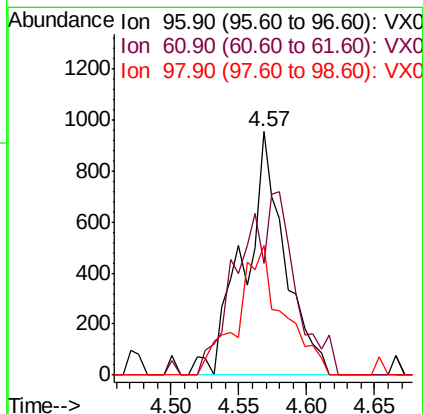
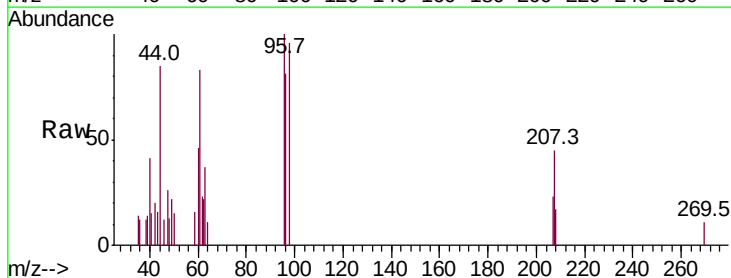
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200630

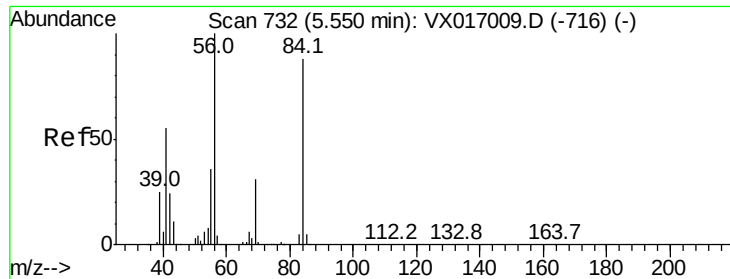
Tot Ion: 84 Resp: 441
Ion Ratio Lower Upper
84 100
49 139.6 94.7 142.1
51 27.9 28.6 42.8#
86 32.5 50.5 75.7#



#27
cis-1,2-Dichloroethene
Concen: 0.651 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

Tgt Ion: 96 Resp: 1994
Ion Ratio Lower Upper
96 100
61 103.7 0.0 282.8
98 59.7 0.0 127.6

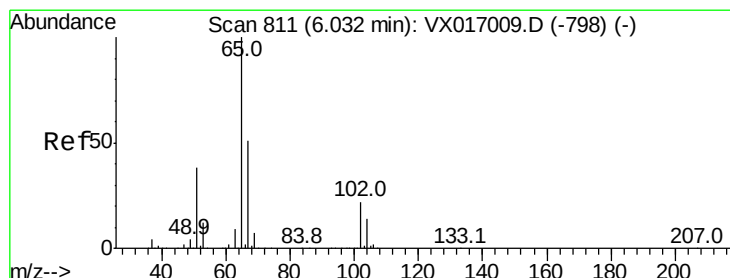
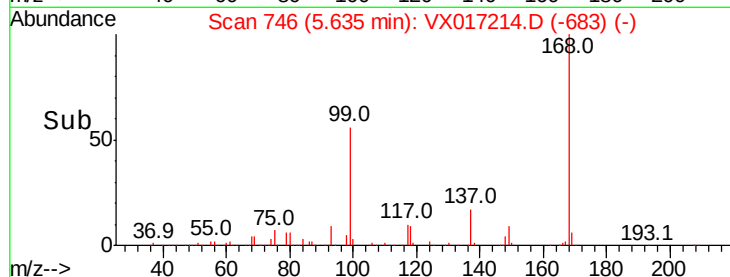
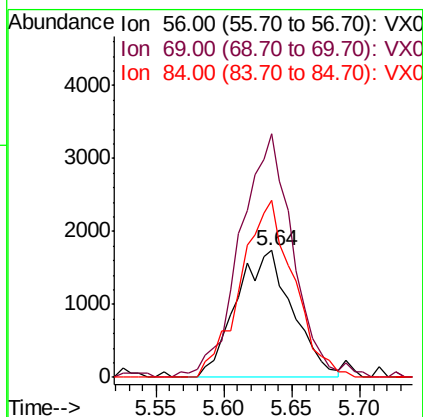
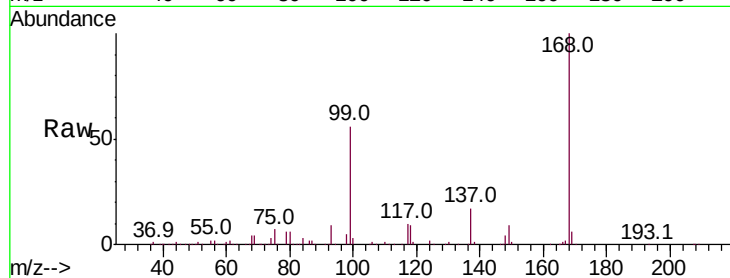




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

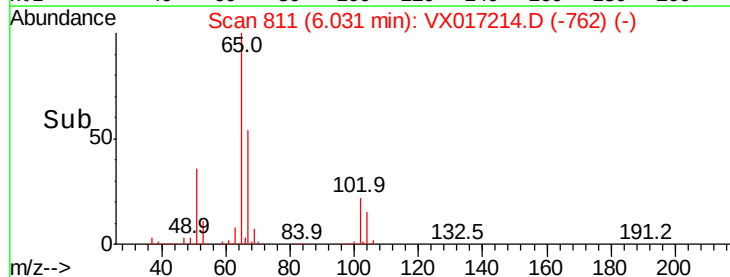
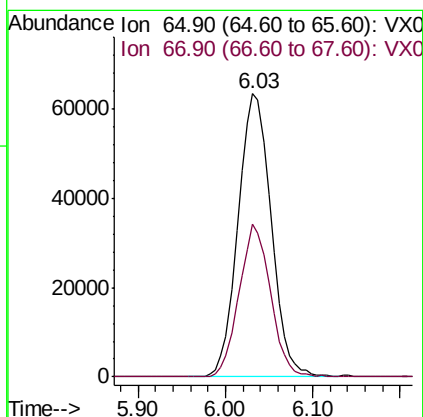
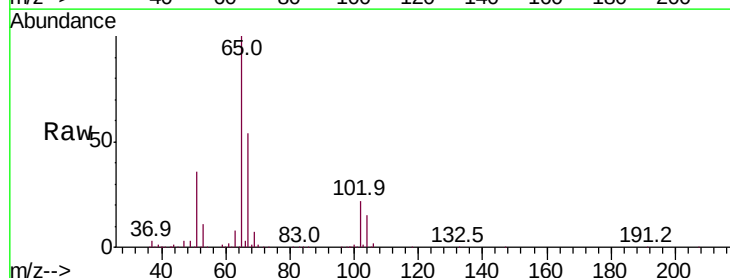
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200630

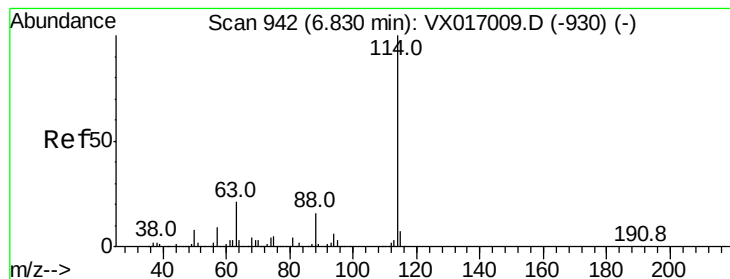
Tot Ion: 56 Resp: 5024
Ion Ratio Lower Upper
56 100
69 188.2 25.0 37.4#
84 139.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 55.105 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

Tgt Ion: 65 Resp: 167287
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

MH-117T-20200630

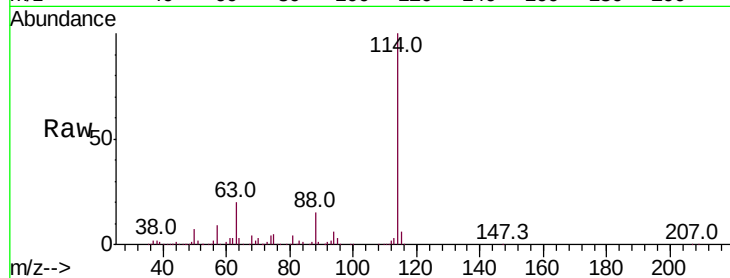
Tot Ion:114 Resp: 419616

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

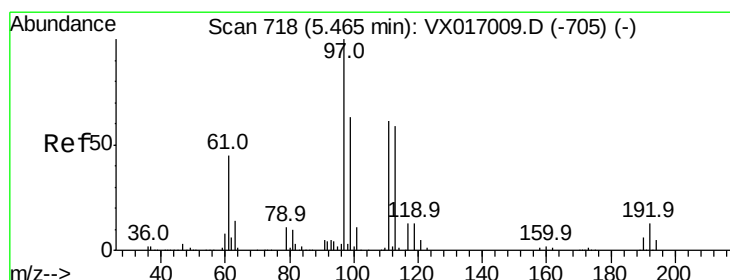
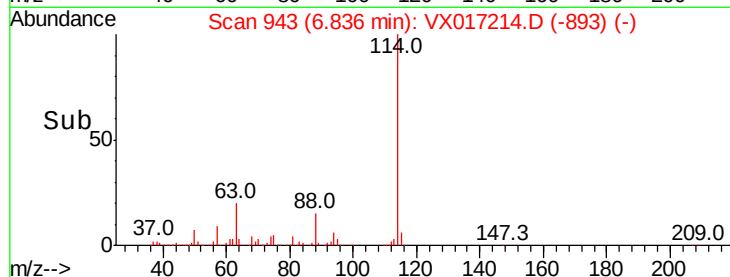
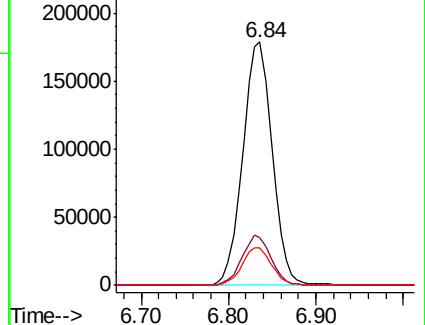
88 15.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.624 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

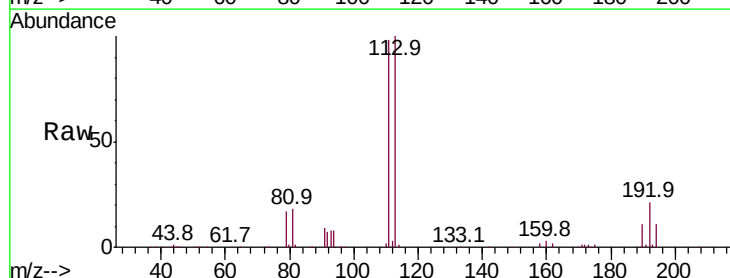
Tgt Ion:113 Resp: 142337

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

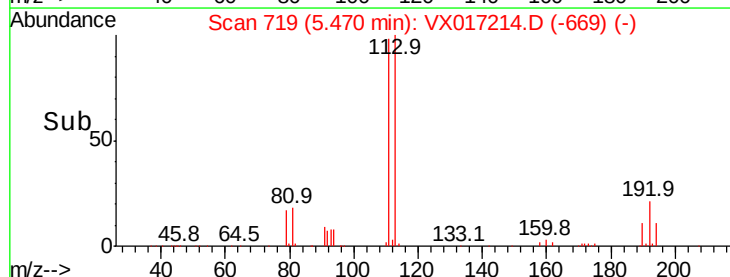
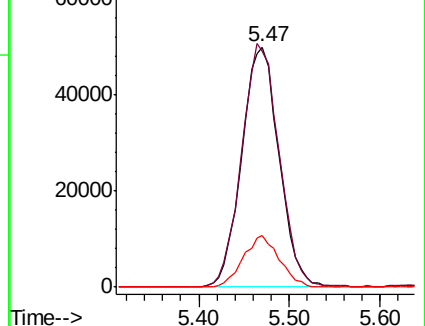
192 21.0 16.7 25.1

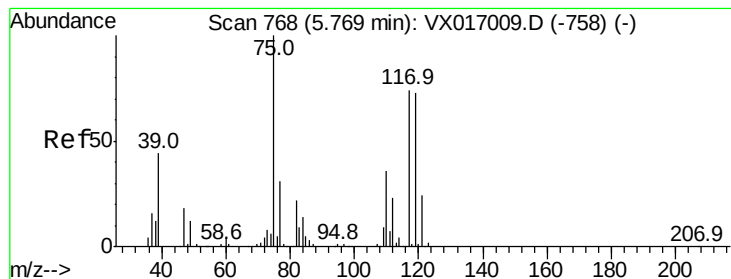


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

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MSVOA_X

ClientSampleId :

MH-117T-20200630

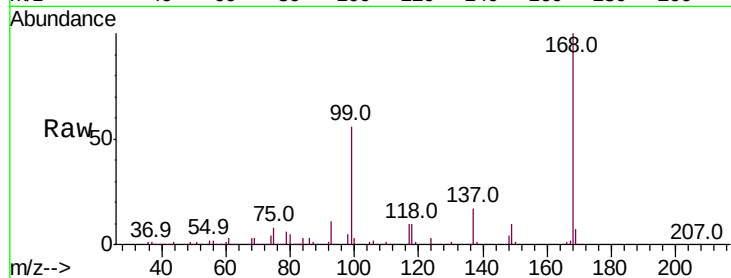
Tot Ion: 75 Resp: 17462

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.1#

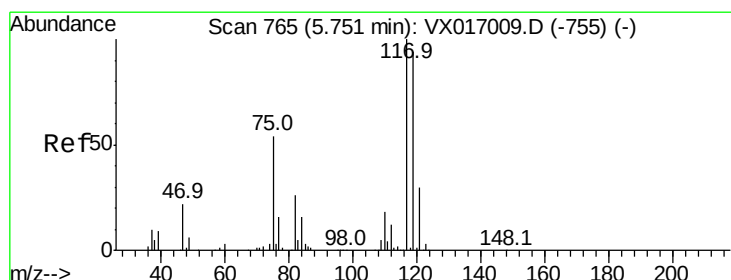
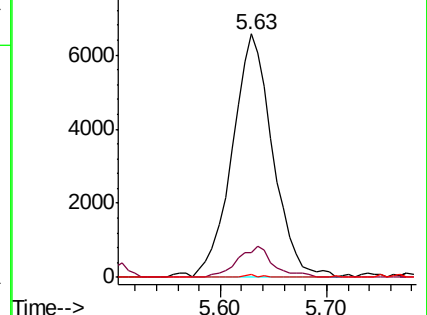
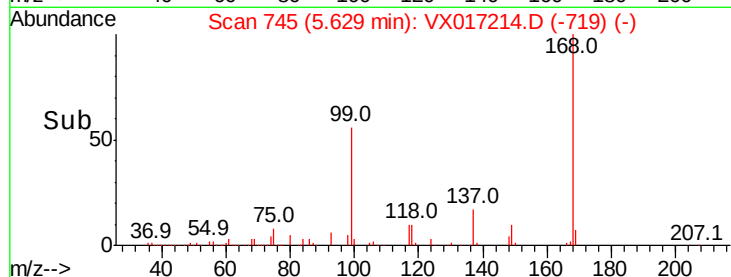
77 0.4 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.764 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

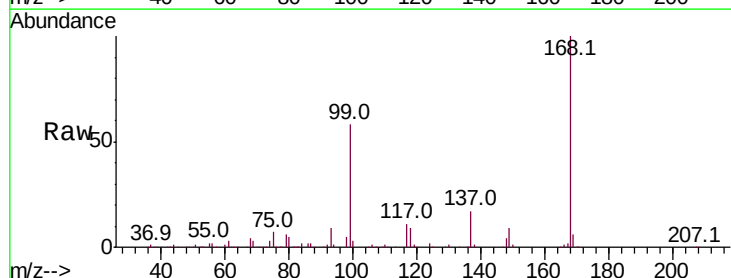
Tgt Ion:117 Resp: 25177

Ion Ratio Lower Upper

117 100

119 7.4 75.4 113.0#

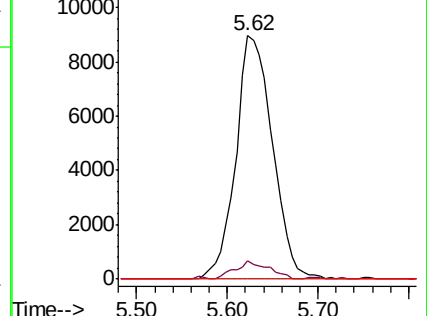
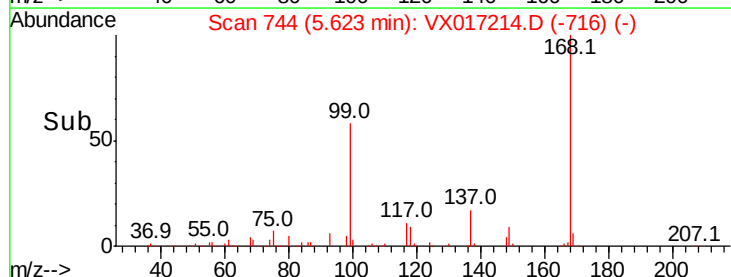
121 0.0 23.8 35.6#

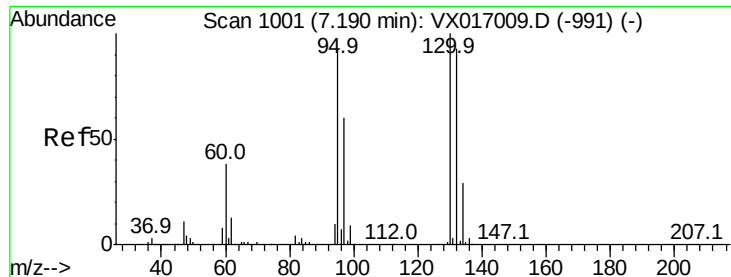


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 6.293 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

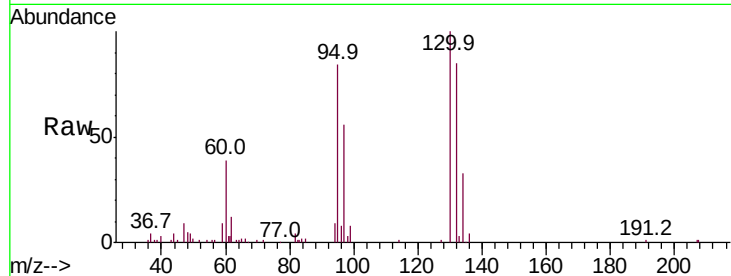
MH-117T-20200630

Tot Ion:130 Resp: 21105

Ion Ratio Lower Upper

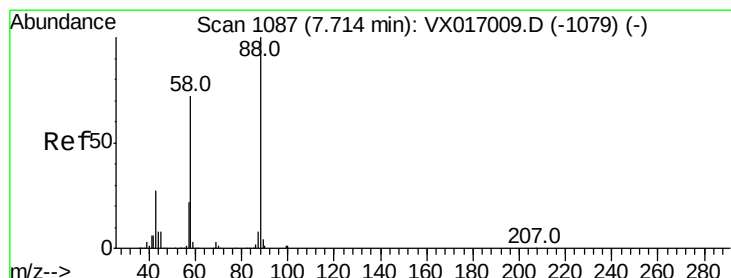
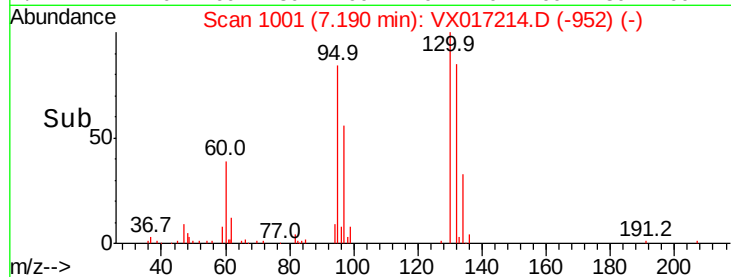
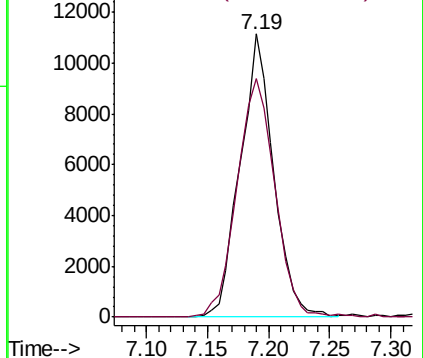
130 100

95 84.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.597 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

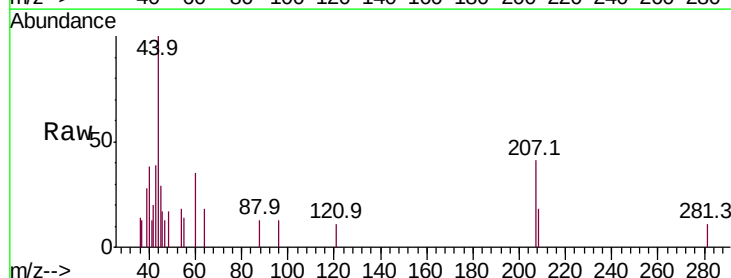
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 114.0 25.8 38.8#

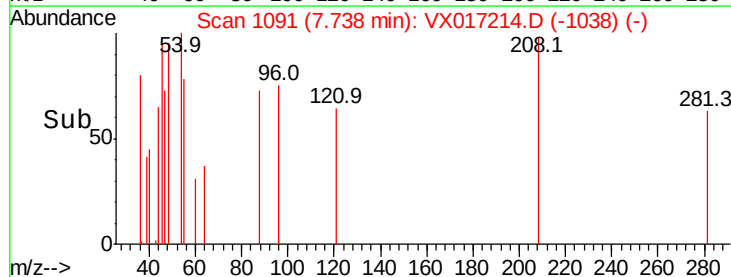
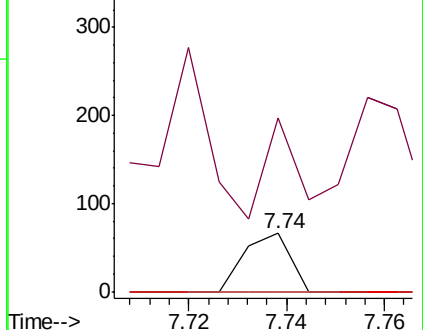
58 0.0 54.8 82.2#

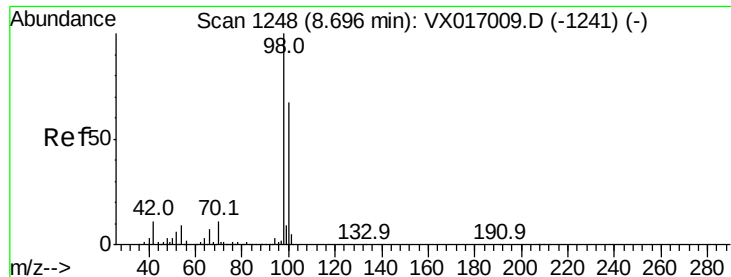


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

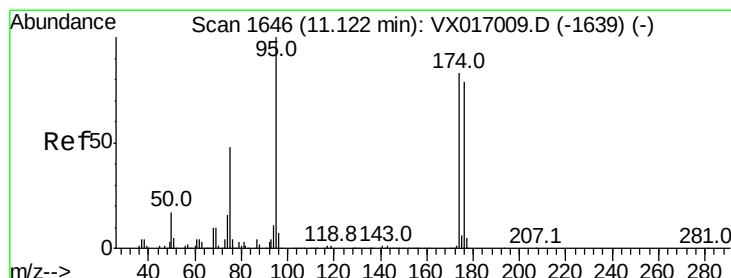
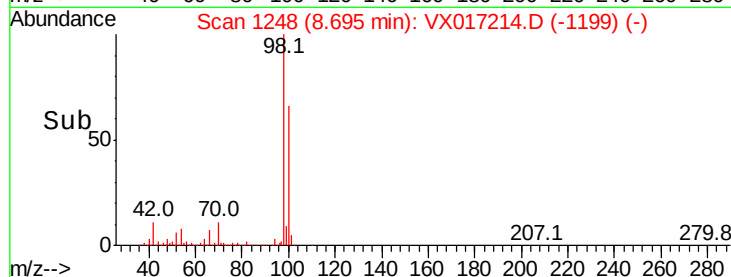
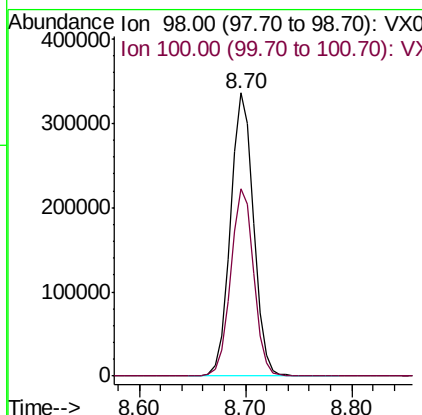
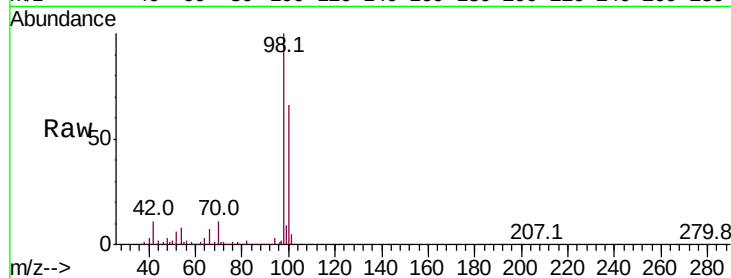




#50
Toluene-d8
Concen: 52.259 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

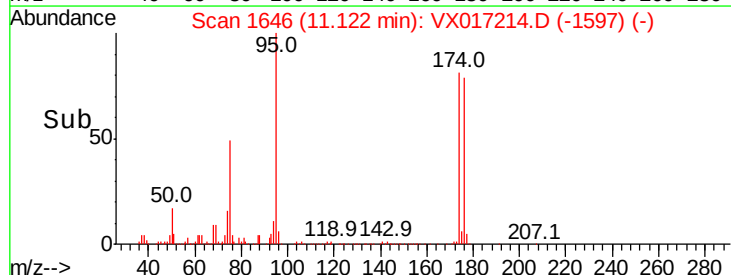
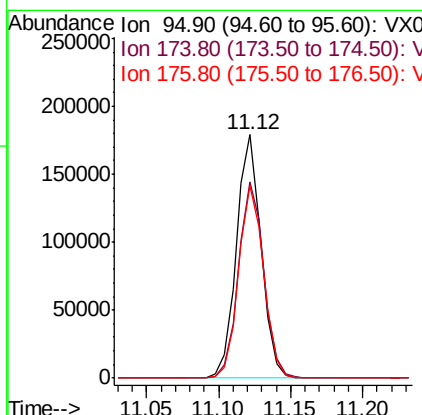
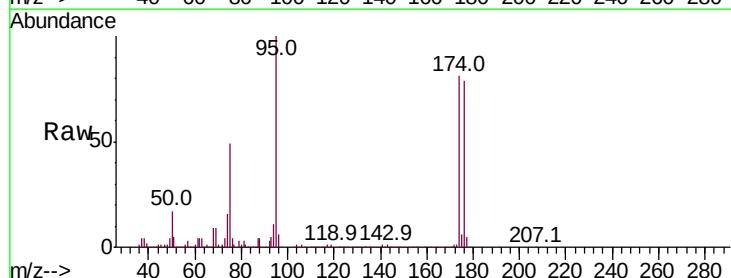
Instrument :
MSVOA_X
ClientSampleId :
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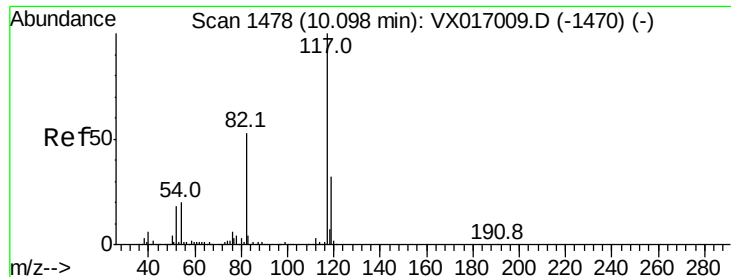
Tot Ion: 98 Resp: 512938
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 55.511 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

Tgt Ion: 95 Resp: 212992
Ion Ratio Lower Upper
95 100
174 82.8 0.0 164.0
176 80.4 0.0 157.6

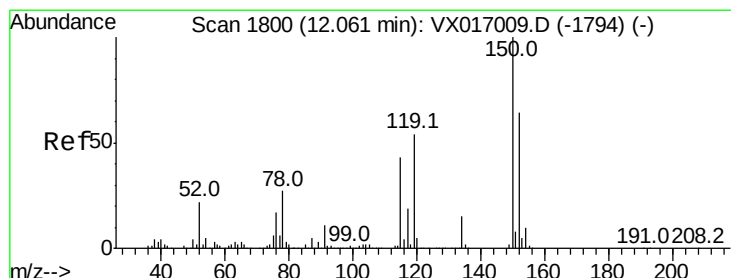
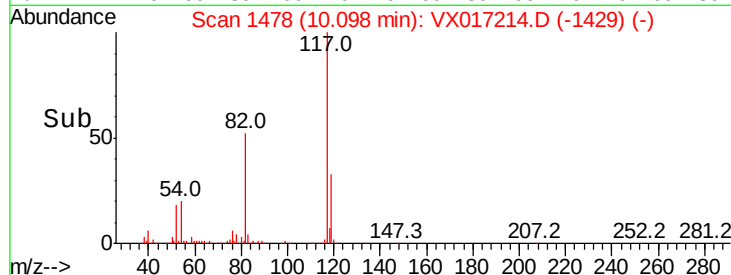
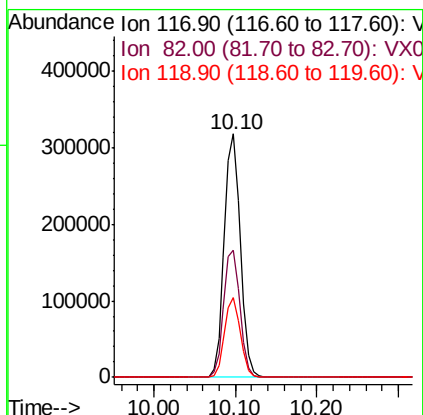
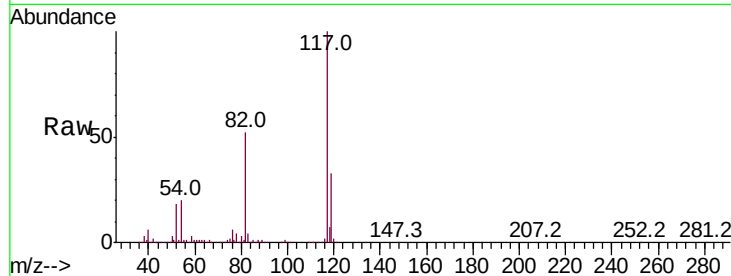




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

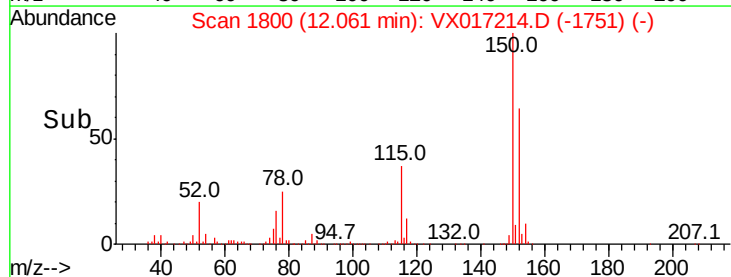
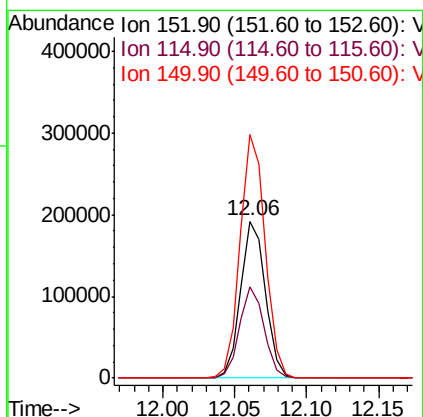
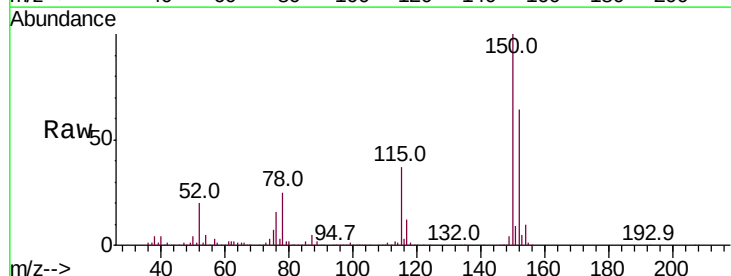
Instrument :
MSVOA_X
ClientSampleId :
MH-117T-20200630

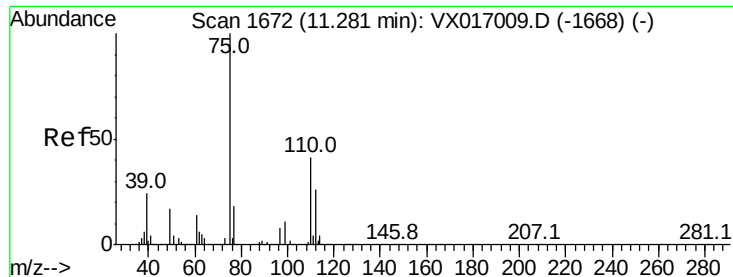
Tot Ion:117 Resp: 435272
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017214.D
Acq: 07 Jul 2020 19:17

Tgt Ion:152 Resp: 229971
Ion Ratio Lower Upper
152 100
115 57.6 40.9 122.7
150 156.9 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.149 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Instrument :

MSVOA_X

ClientSampleId :

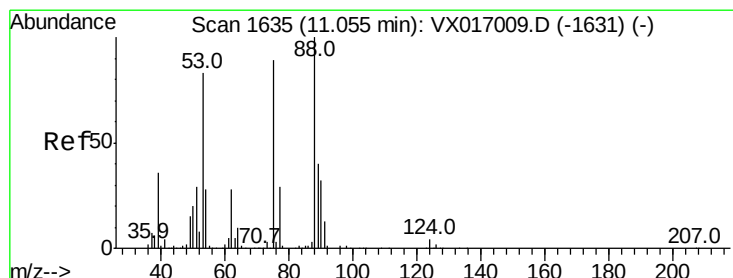
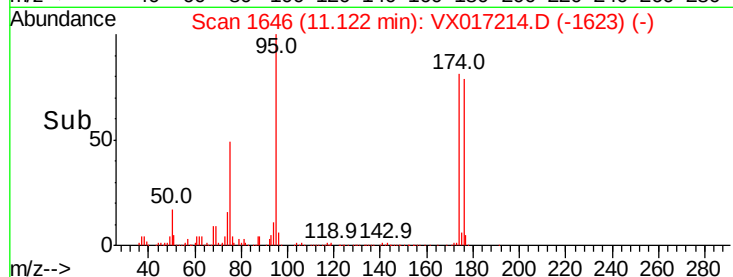
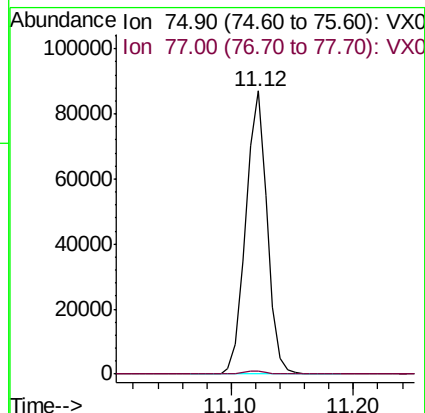
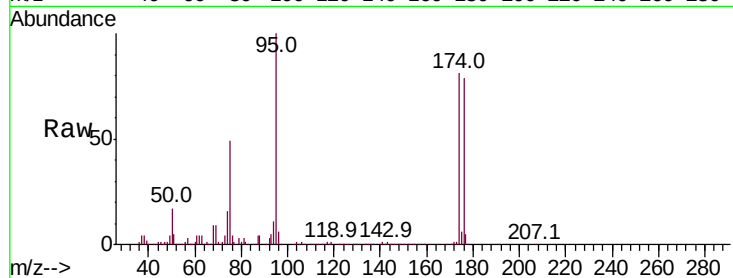
MH-117T-20200630

Tot Ion: 75 Resp: 104685

Ion Ratio Lower Upper

75 100

77 1.0 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.947 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017214.D

Acq: 07 Jul 2020 19:17

Tgt Ion: 75 Resp: 104685

Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

89 0.0 37.0 55.4#

