

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015417.D
 Acq On : 28 Mar 2020 06:10
 Operator : JC/SP
 Sample : L2018-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Mar 30 01:54:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1075607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1809341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1706048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	912617	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	738305	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.47	113	556834	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.70	98	2162685	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.12	95	938014	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	

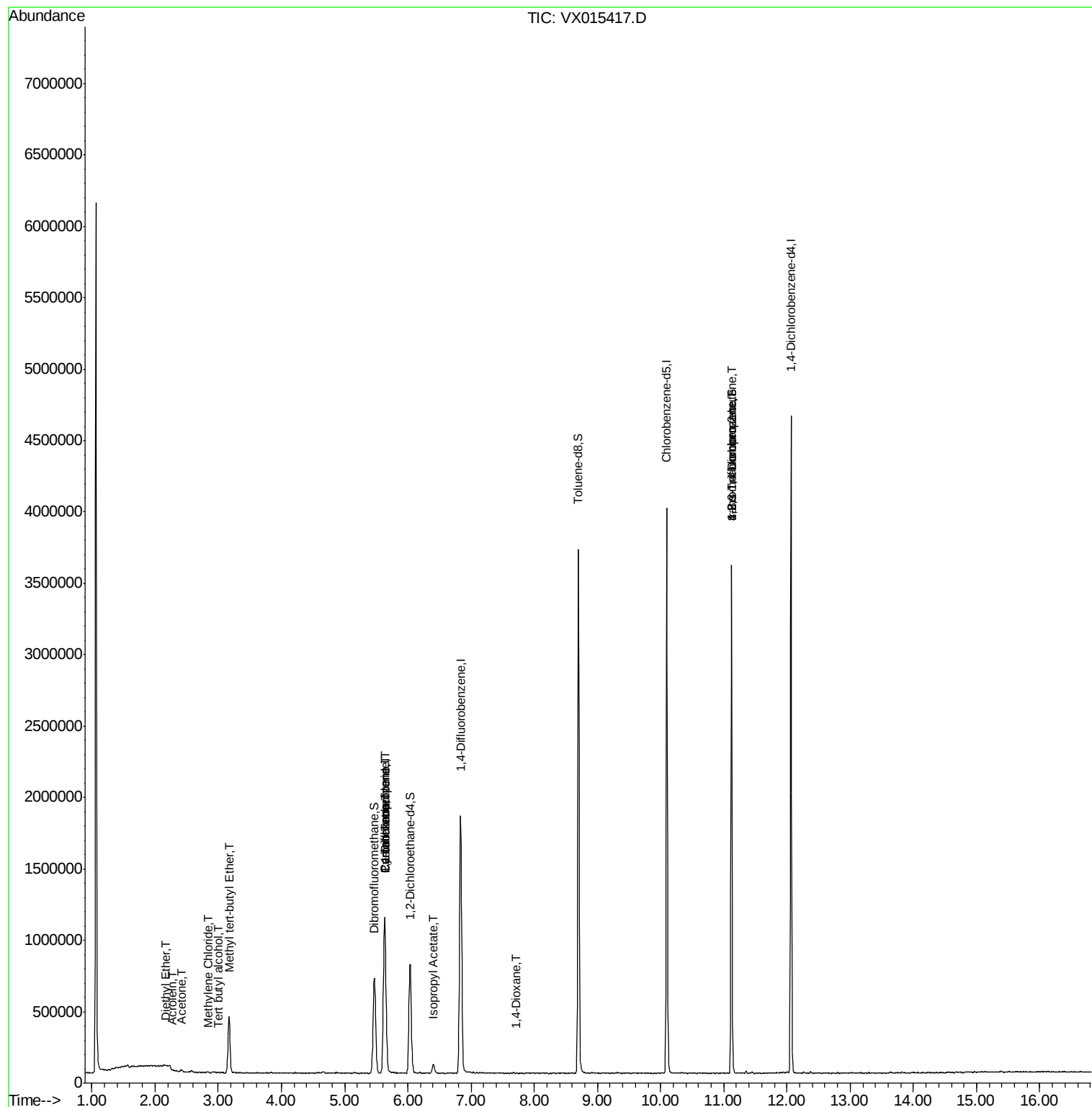
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	492	Below Cal	#	3
8) Diethyl Ether	2.16	74	1549	0.247	ug/l	74
11) Tert butyl alcohol	3.01	59	4123	1.135	ug/l #	73
13) Acrolein	2.28	56	1684	0.814	ug/l #	57
16) Acetone	2.42	43	22943	3.520	ug/l	91
19) Methyl tert-butyl Ether	3.17	73	437362	11.105	ug/l	99
20) Methylene Chloride	2.83	84	4565	0.375	ug/l #	57
31) Cyclohexane	5.63	56	24037	1.252	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	84676	5.079	ug/l #	50
38) Carbon Tetrachloride	5.64	117	108851	6.028	ug/l #	16
43) Isopropyl Acetate	6.40	43	27336	0.746	ug/l #	28
49) 1,4-Dioxane	7.71	88	373	1.092	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	478483	25.496	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	478483	61.176	ug/l #	10

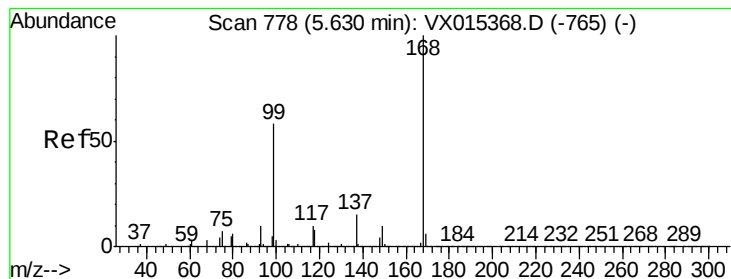
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

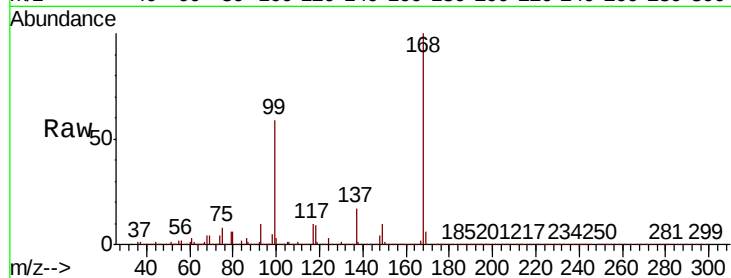
MW-3

Tot Ion:168 Resp: 1075607

Ion Ratio Lower Upper

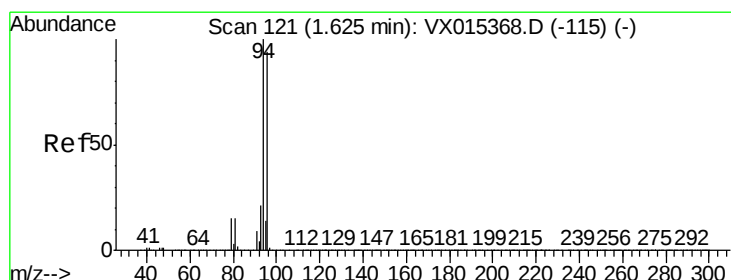
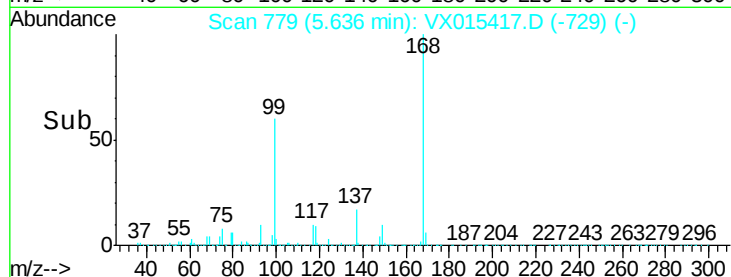
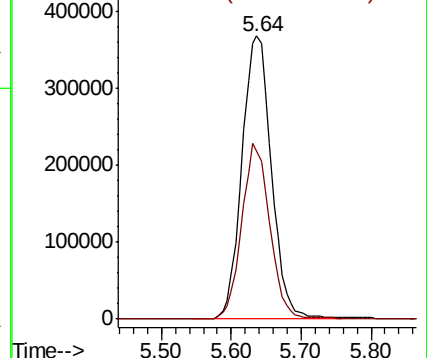
168 100

99 59.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015417.D

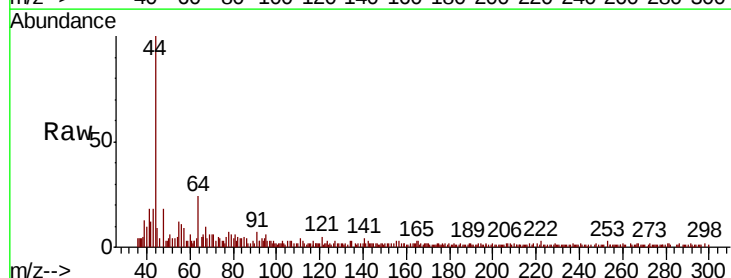
Acq: 28 Mar 2020 06:10

Tgt Ion: 94 Resp: 492

Ion Ratio Lower Upper

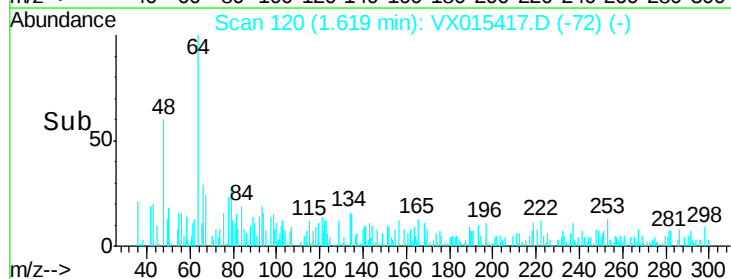
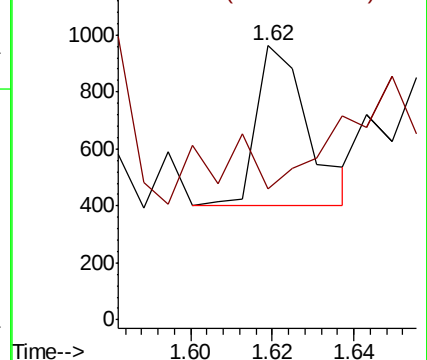
94 100

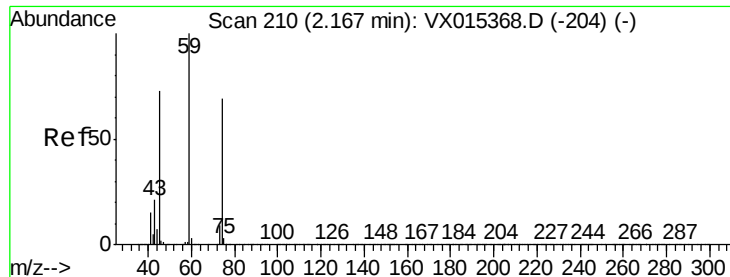
96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.247 ug/l

RT: 2.16 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

Instrument :

MSVOA_X

ClientSampled :

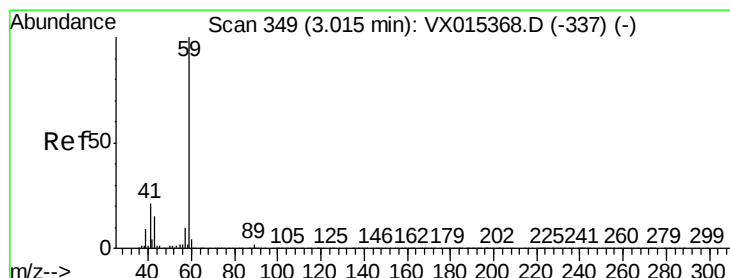
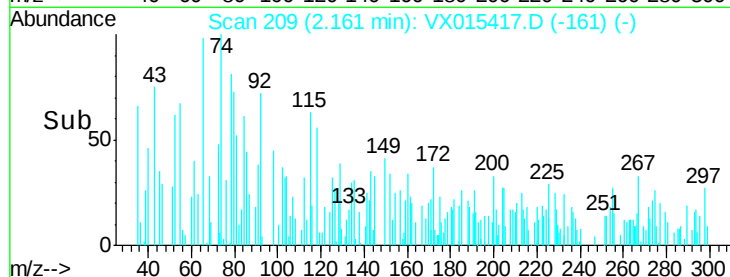
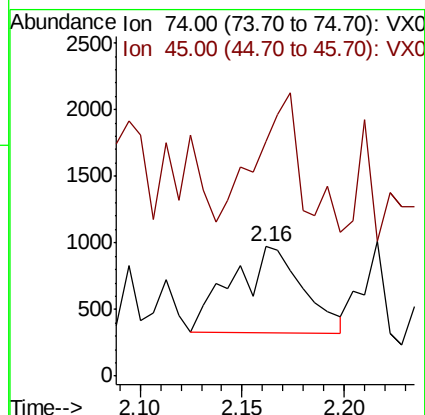
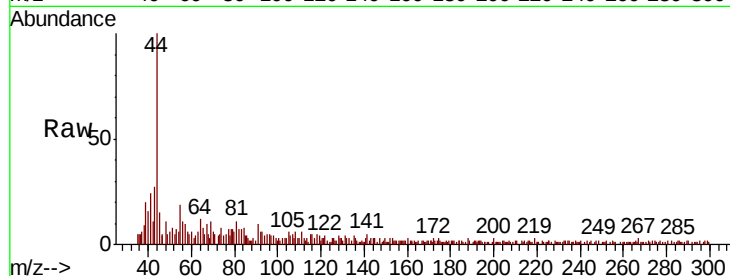
MW-3

Tot Ion: 74 Resp: 1549

Ion Ratio Lower Upper

74 100

45 134.3 53.8 161.4



#11

Tert butyl alcohol

Concen: 1.135 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015417.D

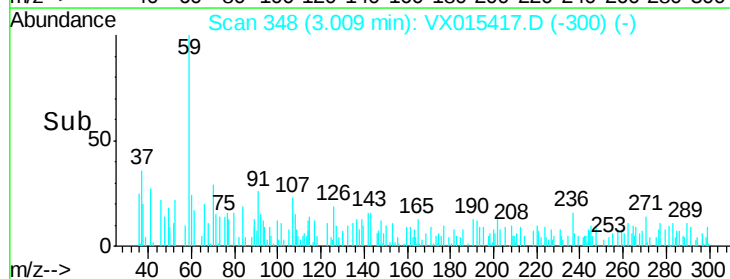
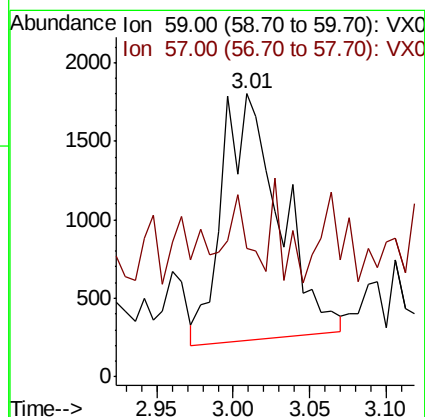
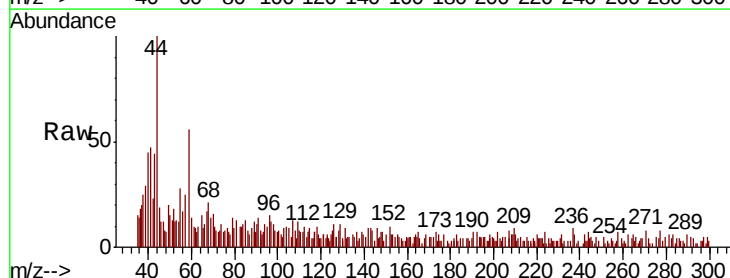
Acq: 28 Mar 2020 06:10

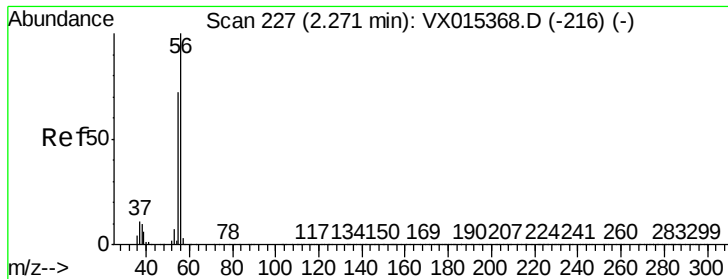
Tgt Ion: 59 Resp: 4123

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

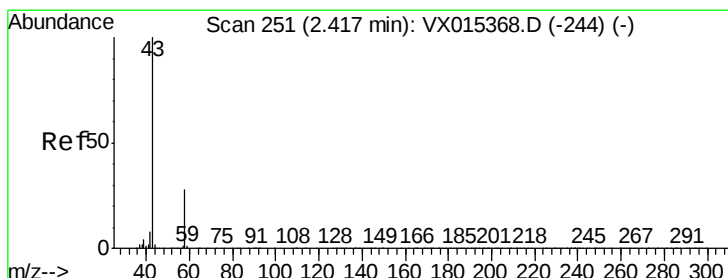
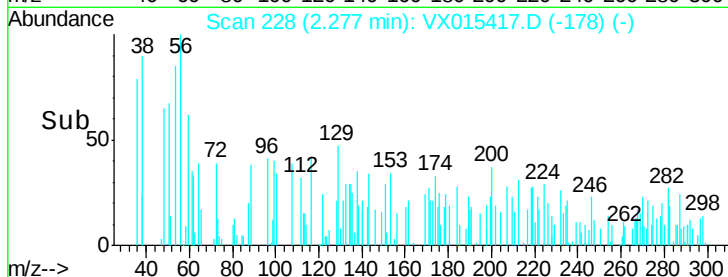
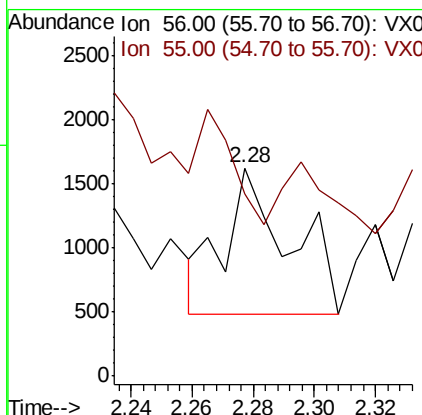
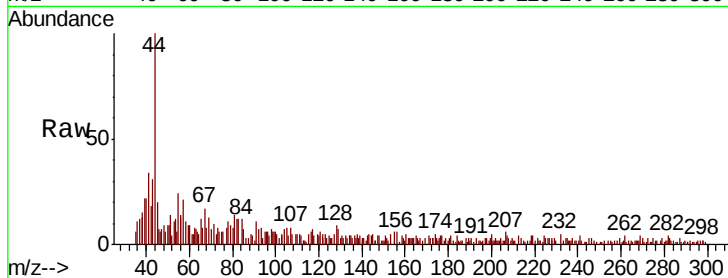




#13
Acrolein
Concen: 0.814 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

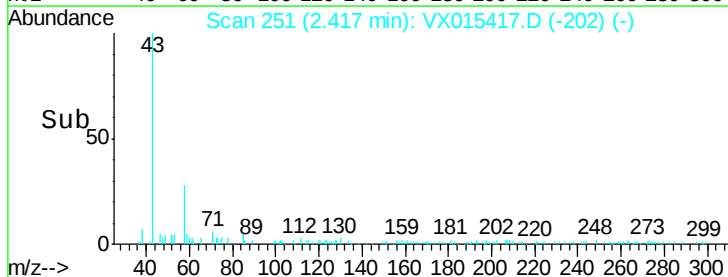
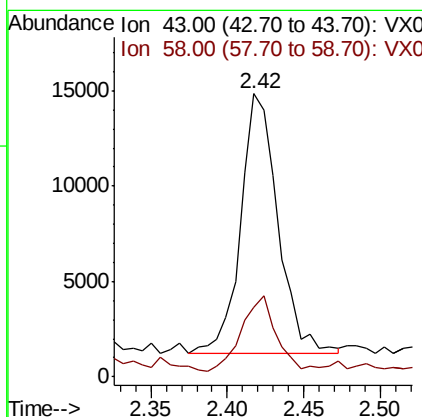
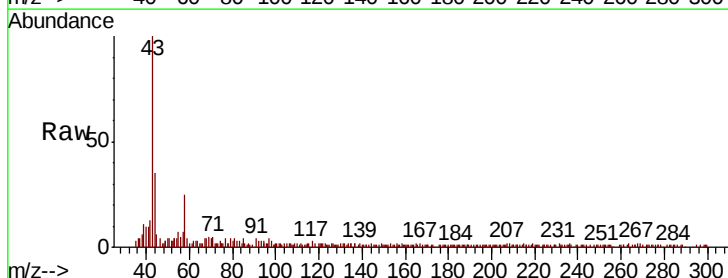
Instrument :
MSVOA_X
ClientSampled :
MW-3

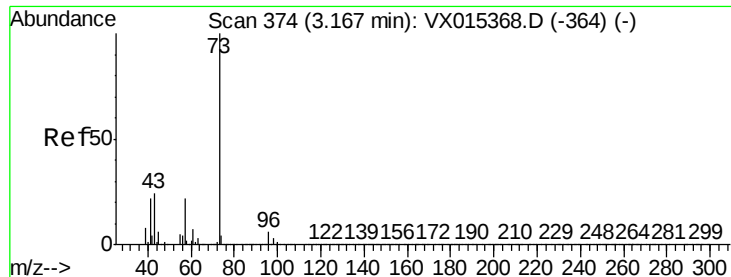
Tot Ion: 56 Resp: 1684
Ion Ratio Lower Upper
56 100
55 35.5 57.0 85.4#



#16
Acetone
Concen: 3.520 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

Tgt Ion: 43 Resp: 22943
Ion Ratio Lower Upper
43 100
58 22.9 22.1 33.1



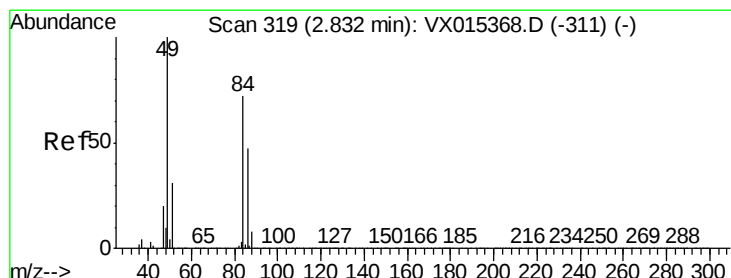
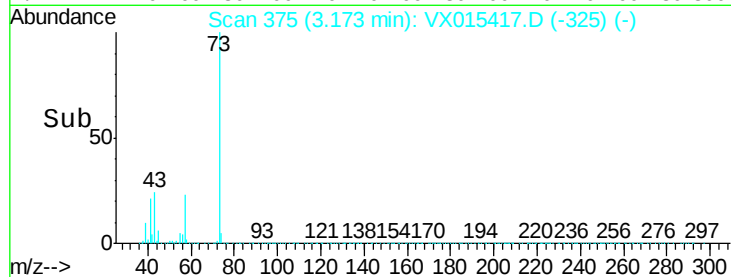
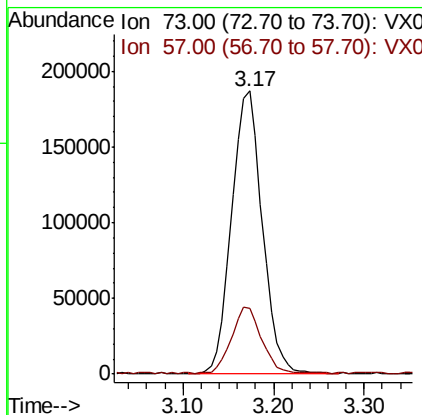
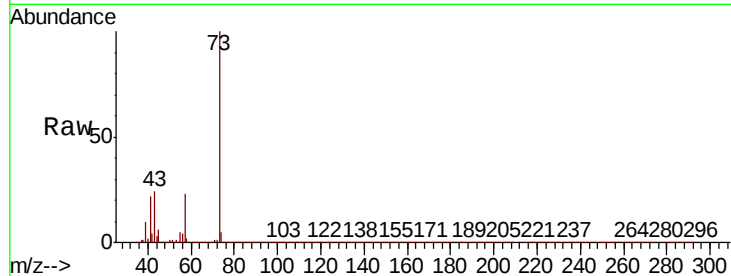


#19

Methyl tert-butyl Ether
 Concen: 11.105 ug/l
 RT: 3.17 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

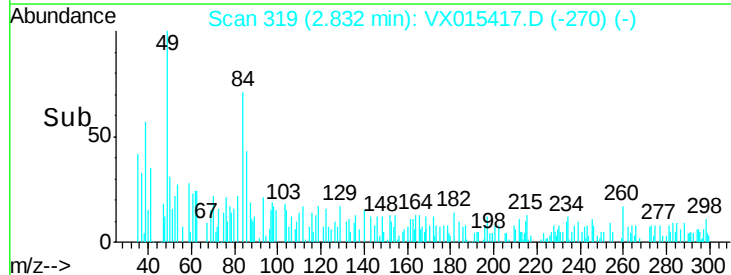
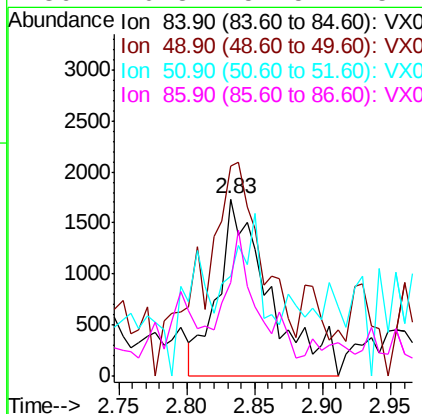
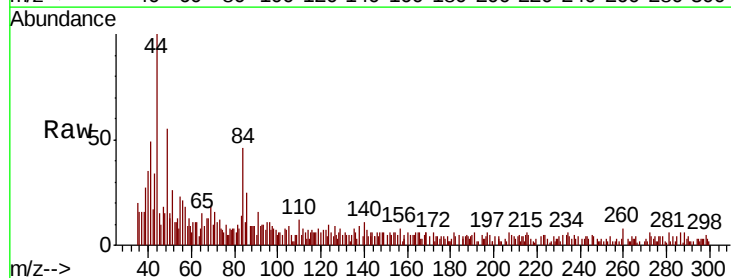
Tot Ion: 73 Resp: 437362
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.9 26.9

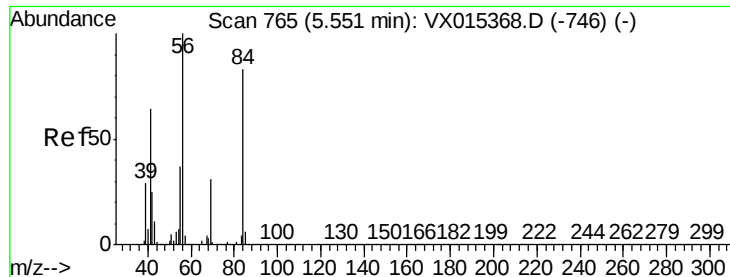


#20

Methylene Chloride
 Concen: 0.375 ug/l
 RT: 2.83 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

Tgt Ion: 84 Resp: 4565
 Ion Ratio Lower Upper
 84 100
 49 92.7 111.3 166.9#
 51 17.2 34.0 51.0#
 86 20.8 52.5 78.7#

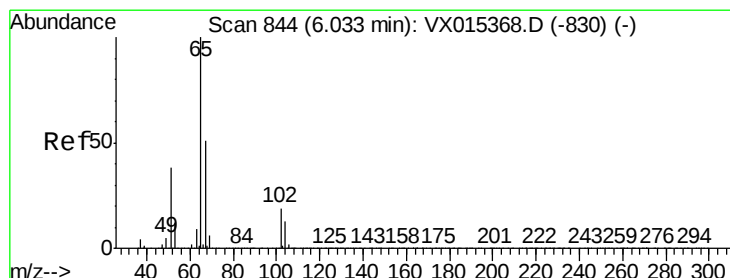
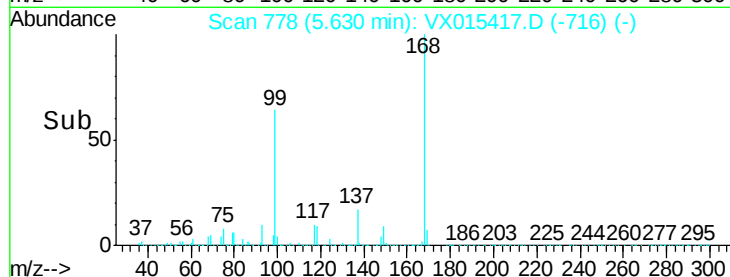
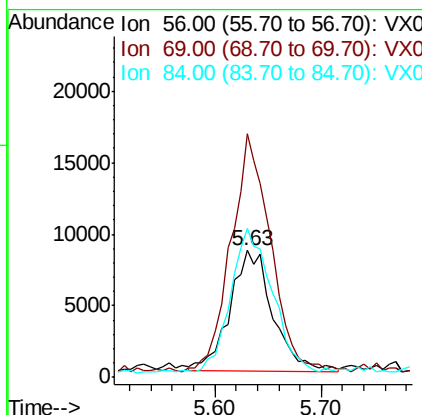
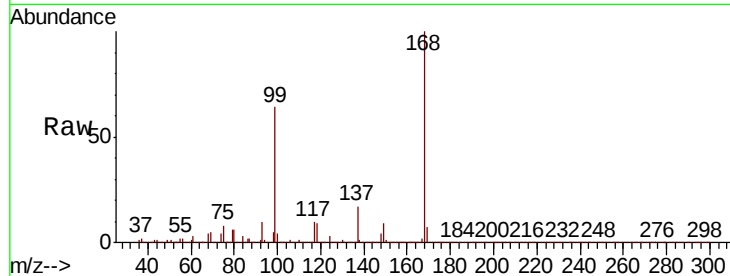




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

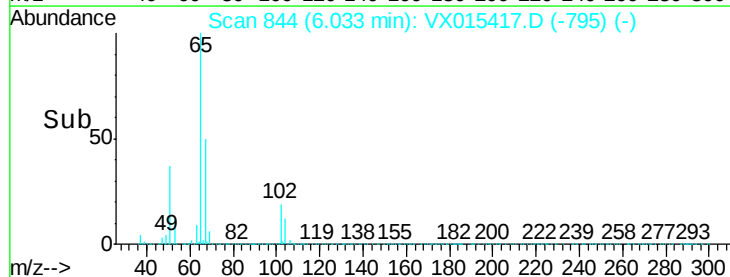
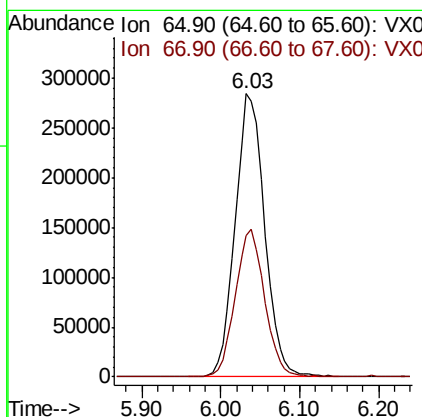
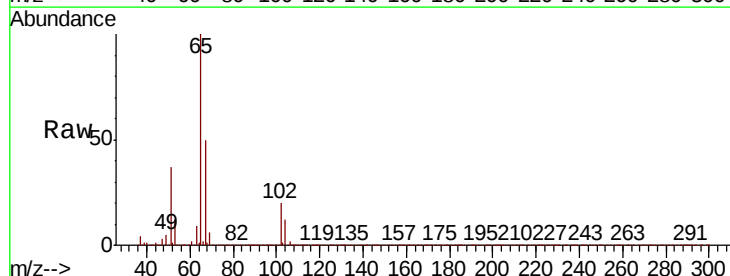
Instrument :
MSVOA_X
ClientSampled :
MW-3

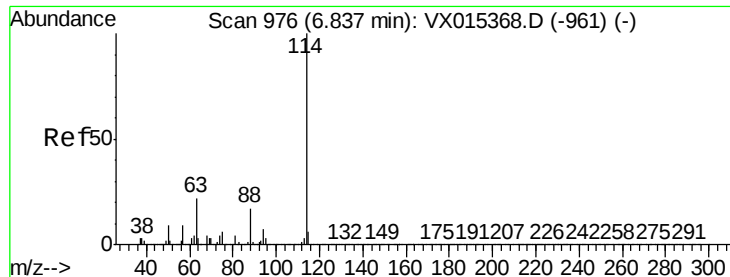
Tot Ion: 56 Resp: 24037
Ion Ratio Lower Upper
56 100
69 196.6 24.6 36.8#
84 118.7 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.668 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

Tgt Ion: 65 Resp: 738305
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

MW-3

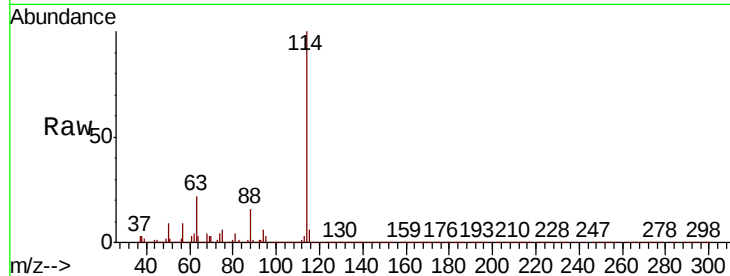
Tot Ion:114 Resp: 1809341

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

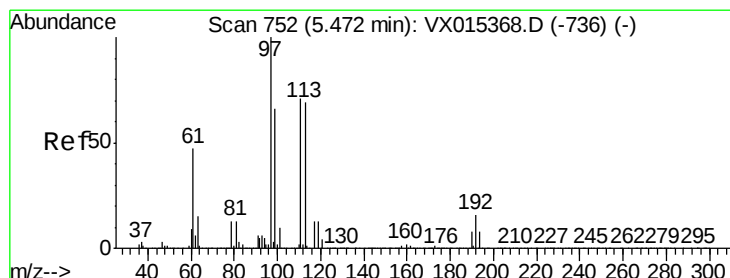
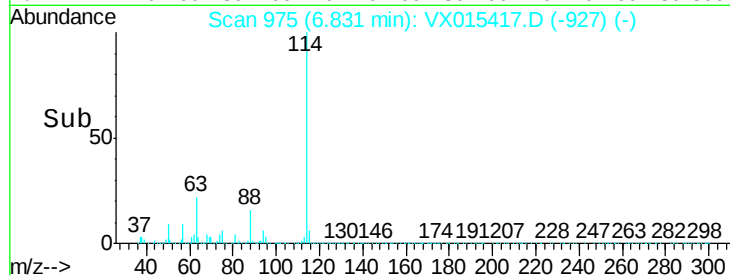
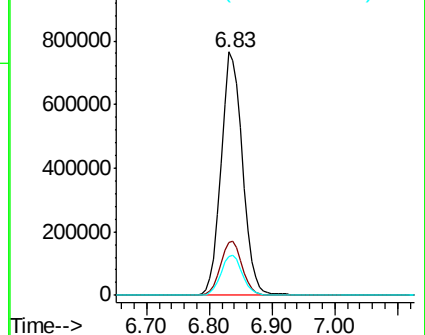
88 15.8 0.0 33.8



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: 48.145 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

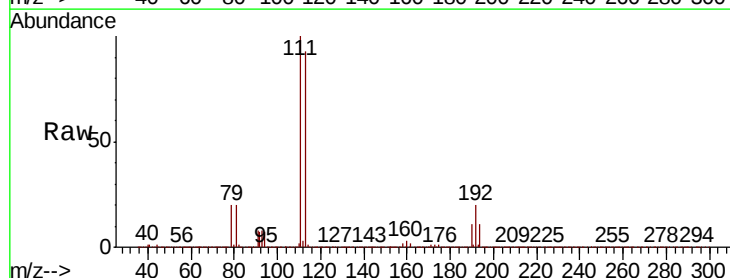
Tgt Ion:113 Resp: 556834

Ion Ratio Lower Upper

113 100

111 104.8 81.5 122.3

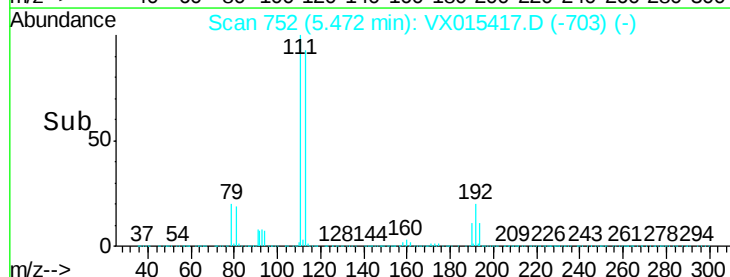
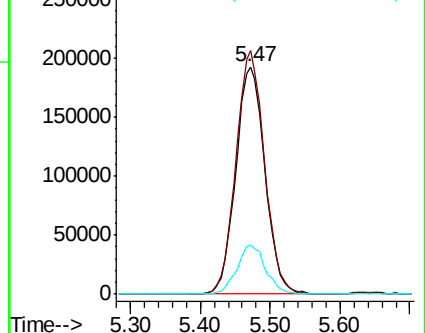
192 21.0 17.8 26.6

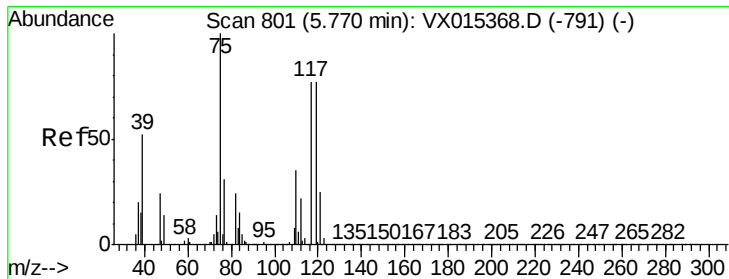


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

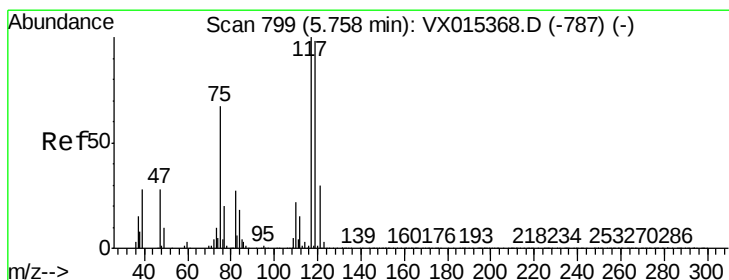
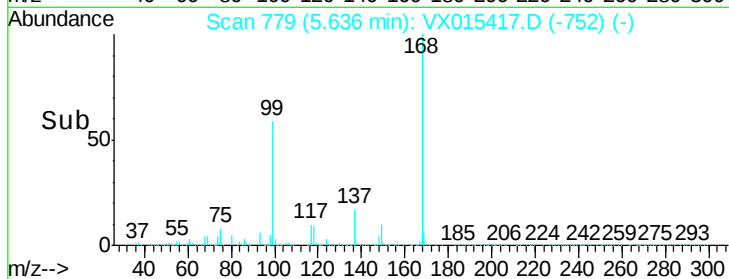
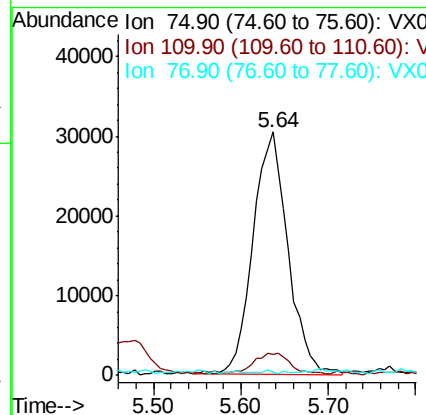
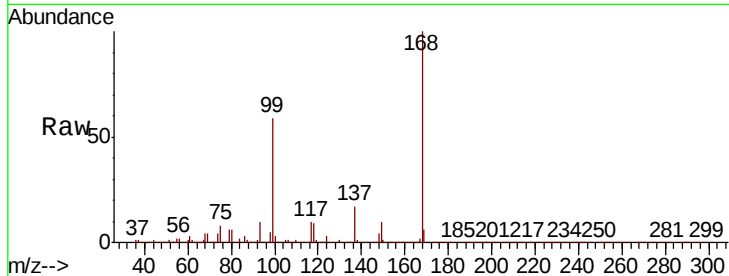




#36
 1,1-Dichloropropene
 Concen: 5.079 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

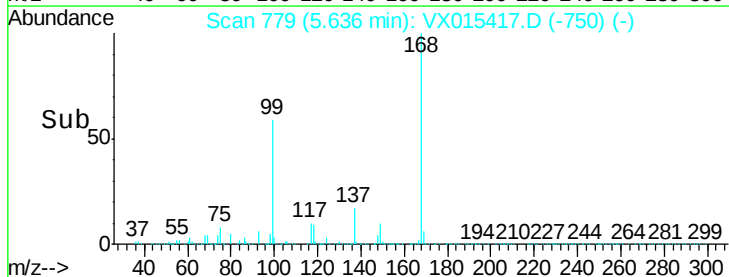
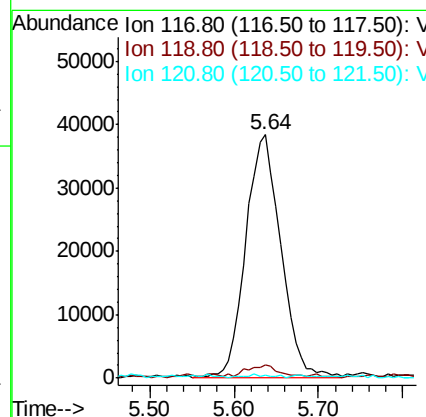
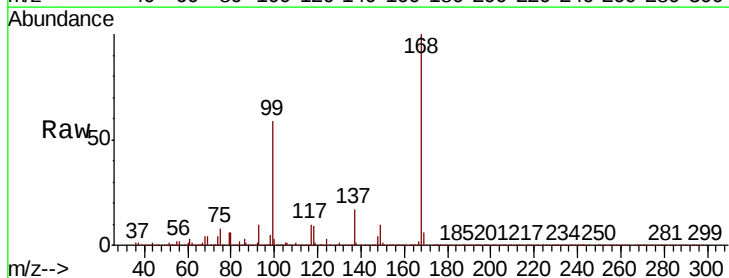
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

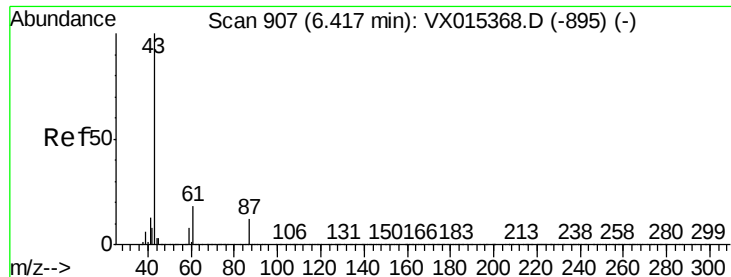
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.1	51.3#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.028 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.0	117.0#
121	0.5	23.8	35.8#





#43

Isopropyl Acetate

Concen: 0.746 ug/l

RT: 6.40 min Scan# 905

Delta R.T. -0.01 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

Instrument :

MSVOA_X

ClientSampled :

MW-3

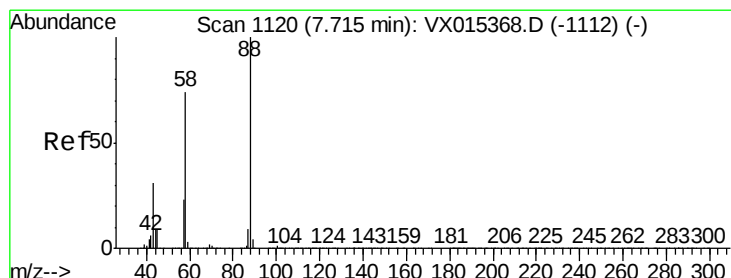
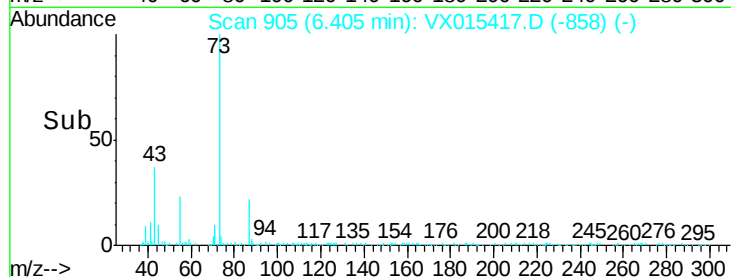
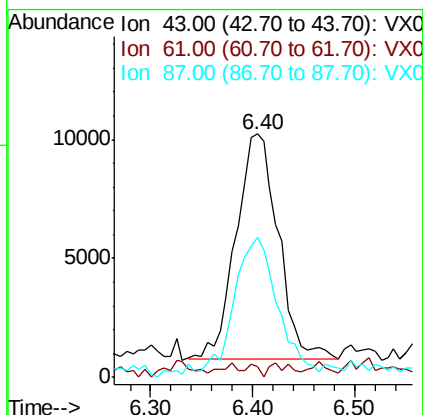
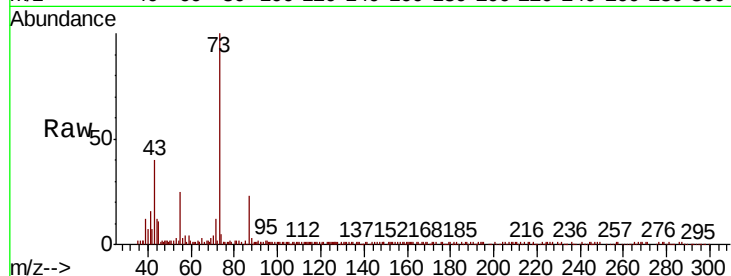
Tot Ion: 43 Resp: 27336

Ion Ratio Lower Upper

43 100

61 1.4 14.8 22.2#

87 59.8 9.4 14.0#



#49

1,4-Dioxane

Concen: 1.092 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

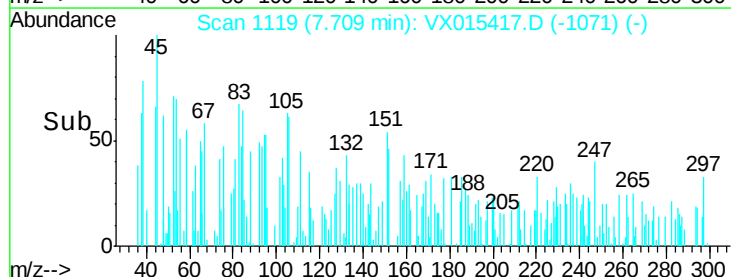
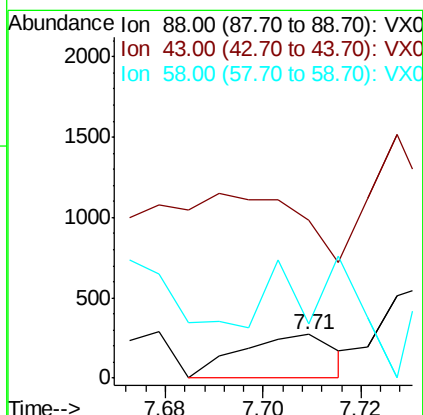
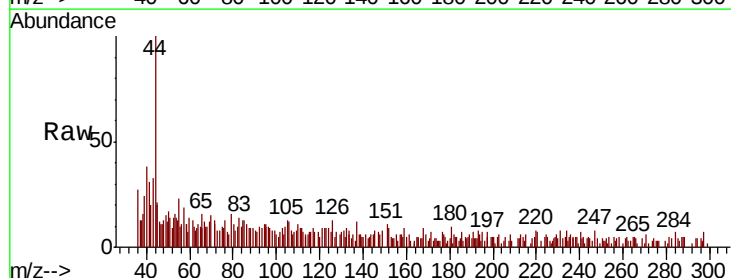
Tgt Ion: 88 Resp: 373

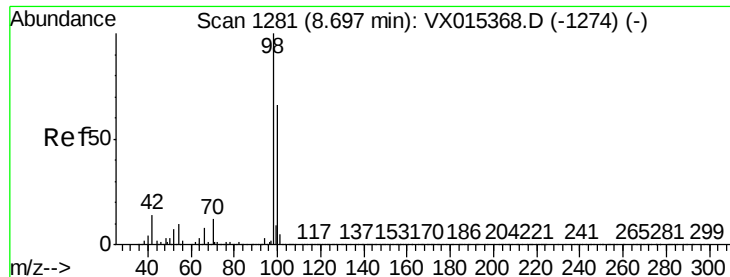
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 216.6 60.6 90.8#





#50

Toluene-d8

Concen: 50.788 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

Instrument :

MSVOA_X

ClientSampleId :

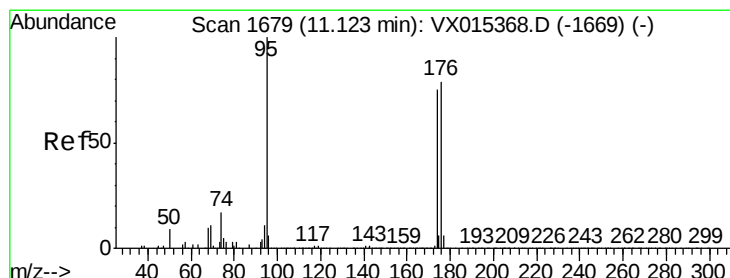
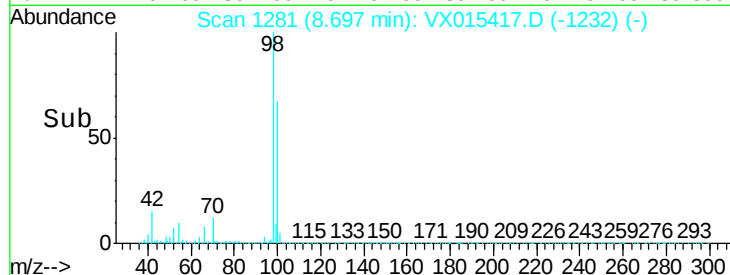
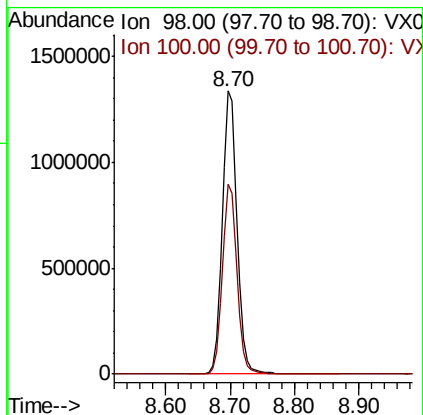
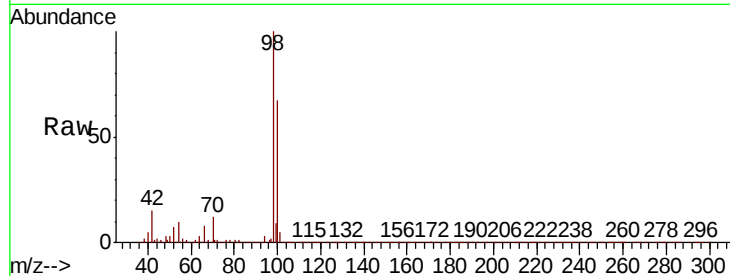
MW-3

Tot Ion: 98 Resp: 2162685

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.203 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015417.D

Acq: 28 Mar 2020 06:10

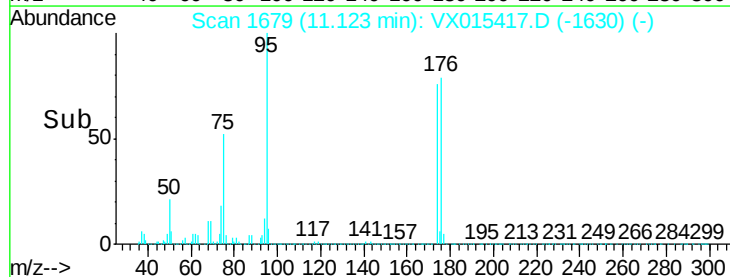
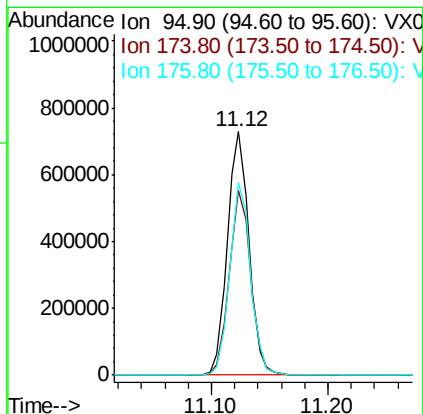
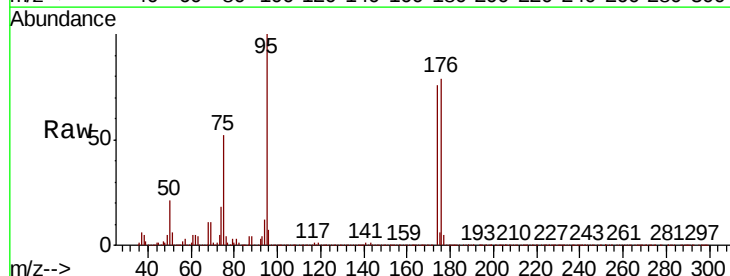
Tgt Ion: 95 Resp: 938014

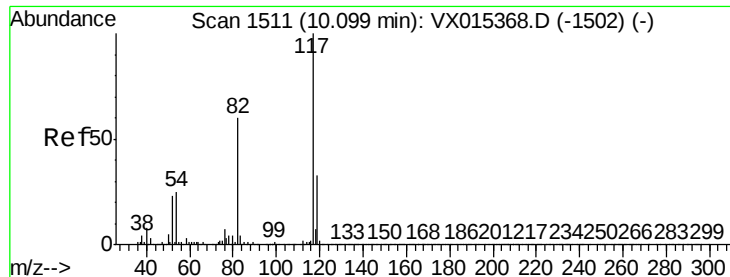
Ion Ratio Lower Upper

95 100

174 76.0 0.0 158.6

176 77.2 0.0 159.0

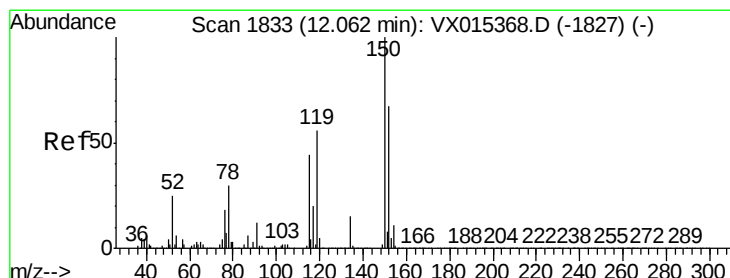
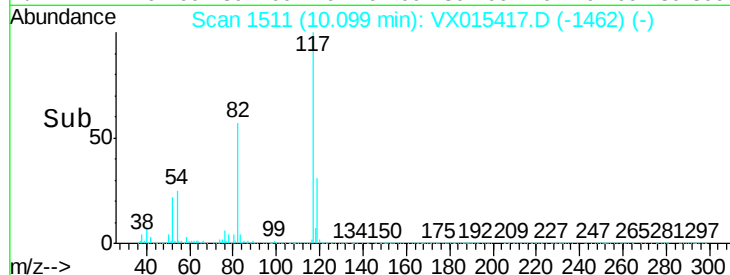
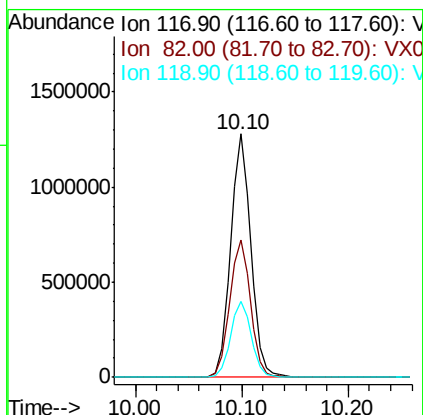
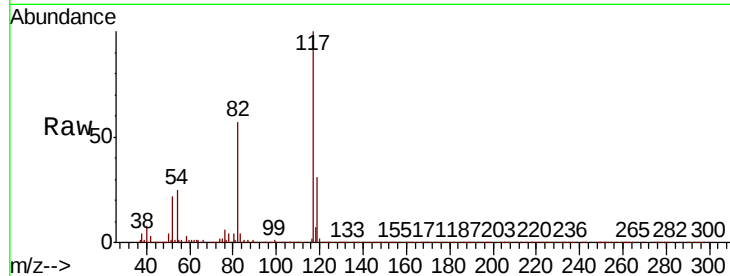




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

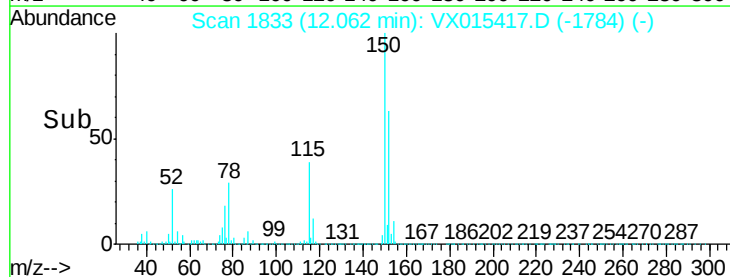
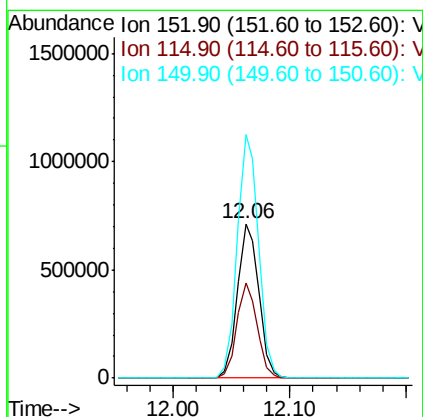
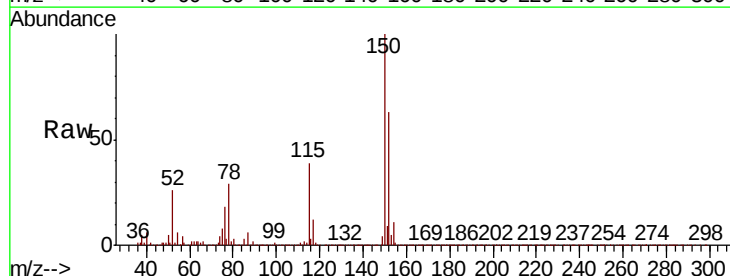
Instrument :
MSVOA_X
ClientSampleId :
MW-3

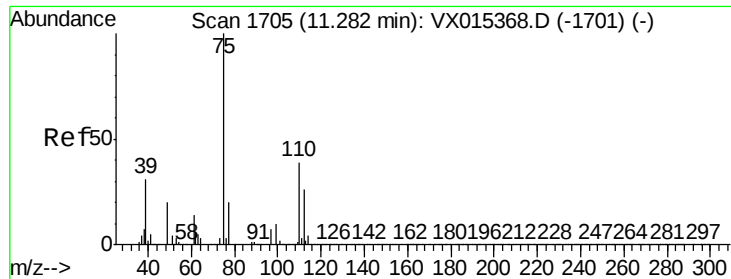
Tot Ion:117 Resp: 1706048
Ion Ratio Lower Upper
117 100
82 56.5 47.8 71.8
119 31.0 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015417.D
Acq: 28 Mar 2020 06:10

Tgt Ion:152 Resp: 912617
Ion Ratio Lower Upper
152 100
115 58.8 39.0 116.9
150 156.7 0.0 340.8

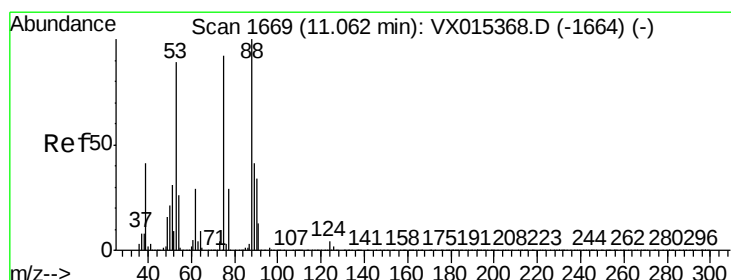
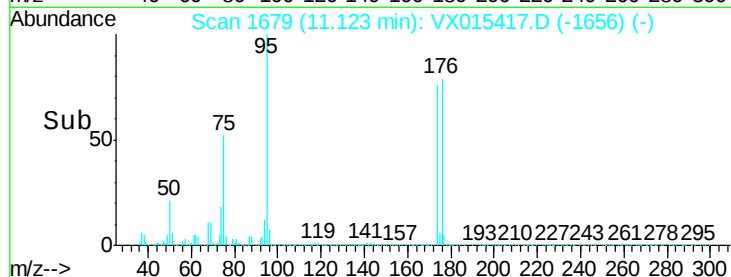
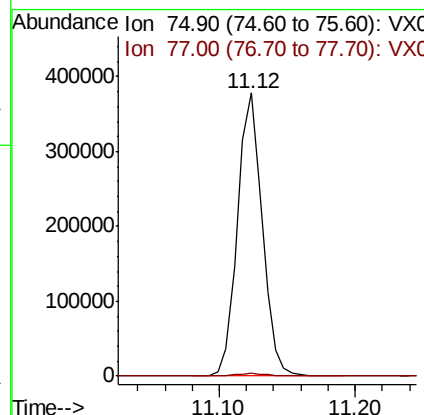
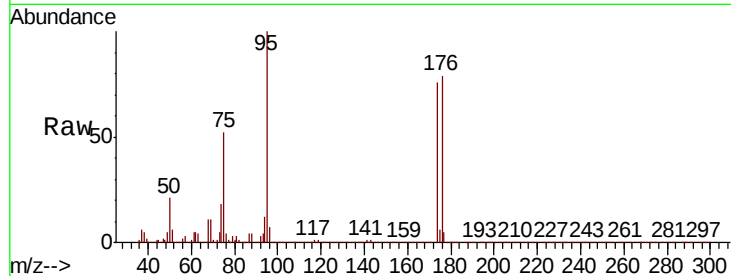




#76
 1,2,3-Trichloropropane
 Concen: 25.496 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tot Ion: 75 Resp: 478483
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.176 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015417.D
 Acq: 28 Mar 2020 06:10

Tgt Ion: 75 Resp: 478483
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 36.1 54.1#

