

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009756.D
 Acq On : 21 May 2019 18:31
 Operator : JC/SP
 Sample : K2966-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: May 22 07:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115997	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.50	113	85126	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	347521	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	115022	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

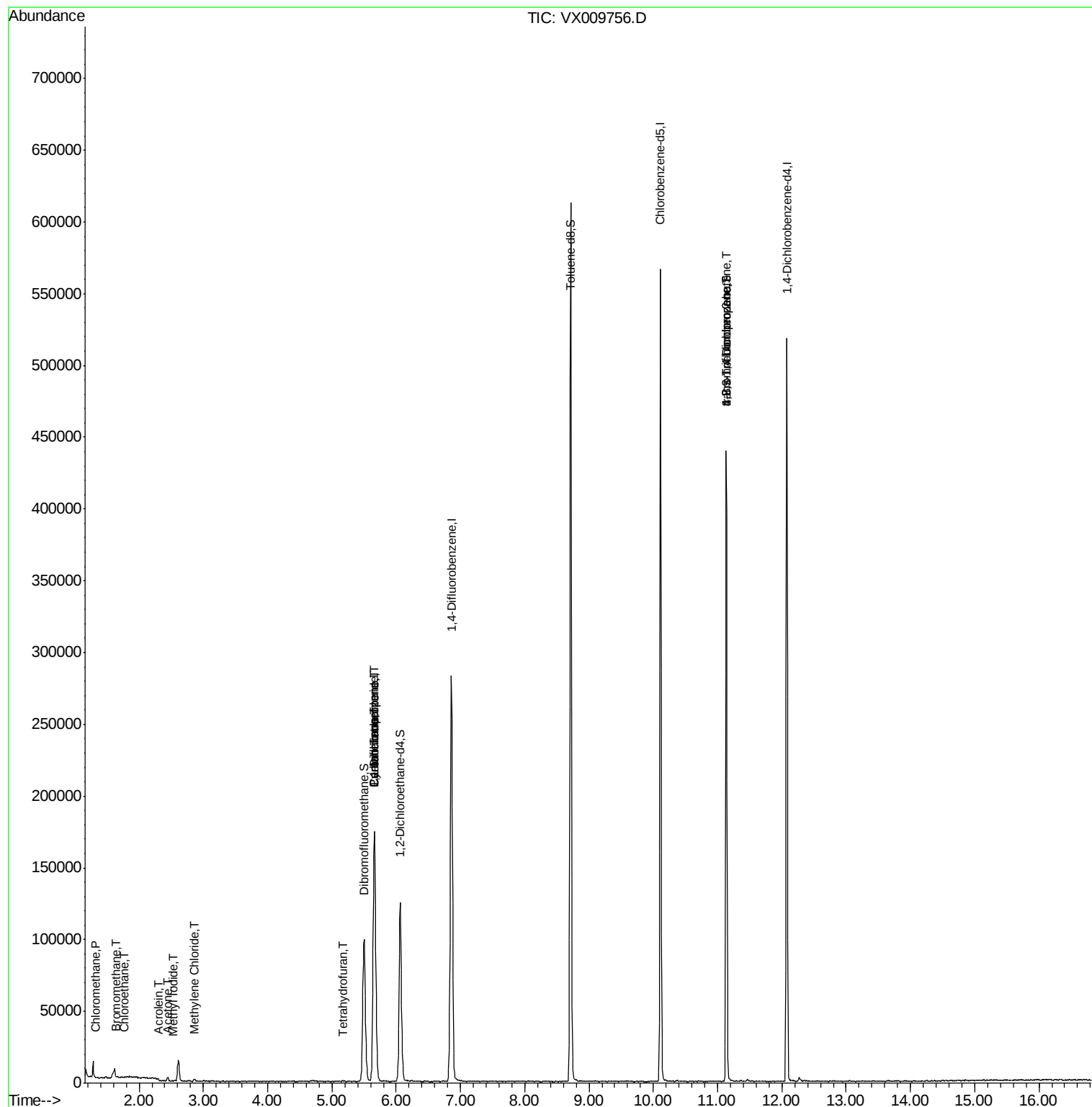
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	585	0.273	ug/l #	74
5) Bromomethane	1.64	94	392	0.312	ug/l #	69
6) Chloroethane	1.77	64	1748	1.301	ug/l	91
10) Methyl Iodide	2.53	142	97	4.641	ug/l #	42
13) Acrolein	2.30	56	157	0.322	ug/l #	55
16) Acetone	2.45	43	3272	2.616	ug/l	89
20) Methylene Chloride	2.85	84	593	0.293	ug/l #	74
28) Bromochloromethane	5.01	49	41	Below Cal	#	20
29) Tetrahydrofuran	5.16	42	442	0.353	ug/l #	50
31) Cyclohexane	5.67	56	4071	1.182	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	13488	5.283	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16016	6.905	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60442	25.021	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60442	64.020	ug/l #	10

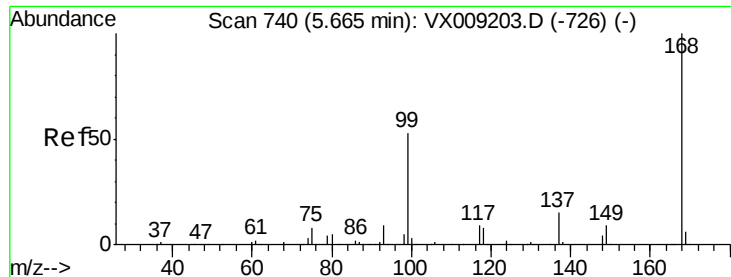
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

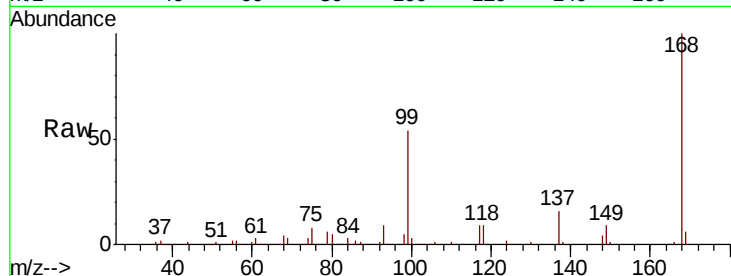
TB

Tot Ion:168 Resp: 170616

Ion Ratio Lower Upper

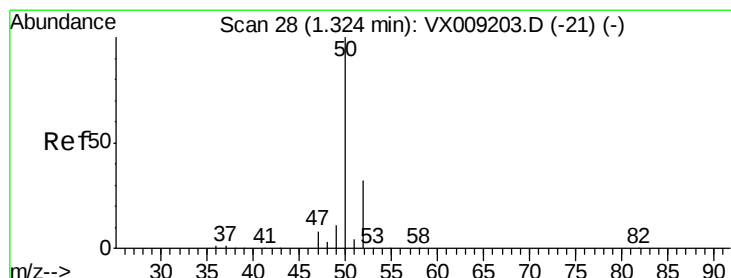
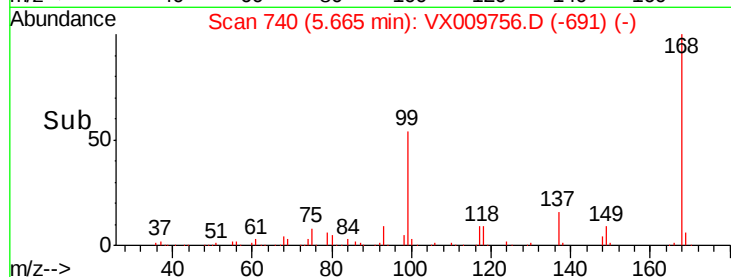
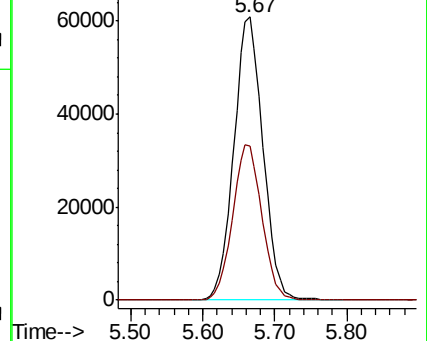
168 100

99 54.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009756.D

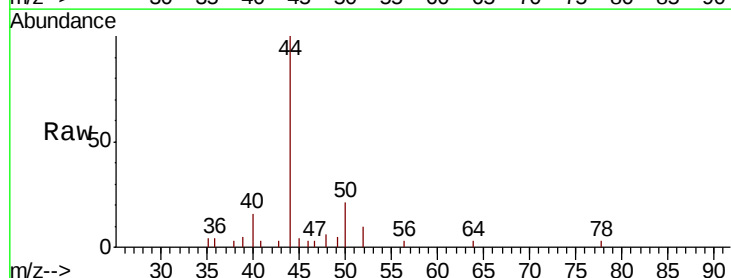
Acq: 21 May 2019 18:31

Tgt Ion: 50 Resp: 585

Ion Ratio Lower Upper

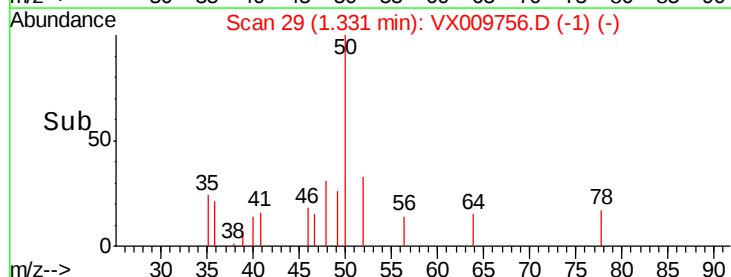
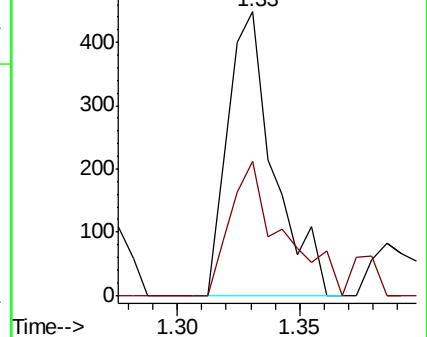
50 100

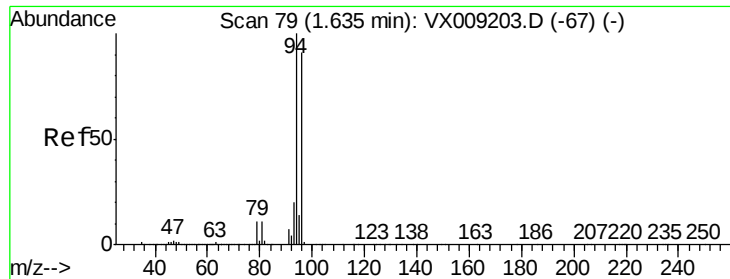
52 47.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

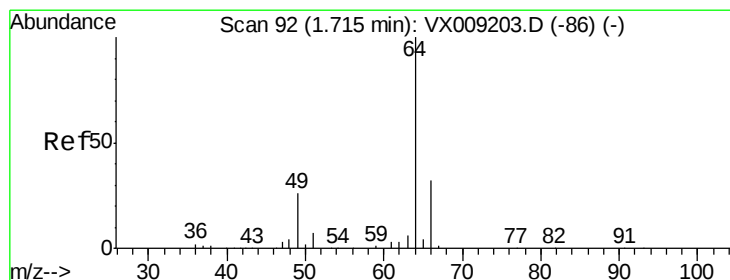
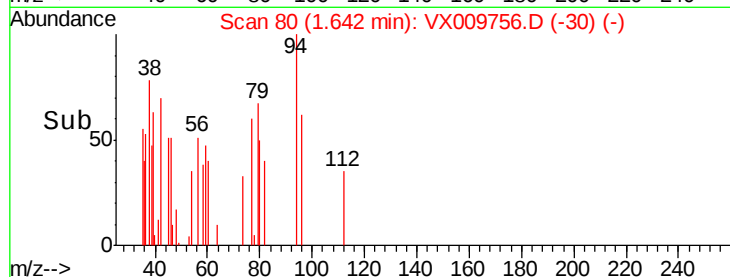
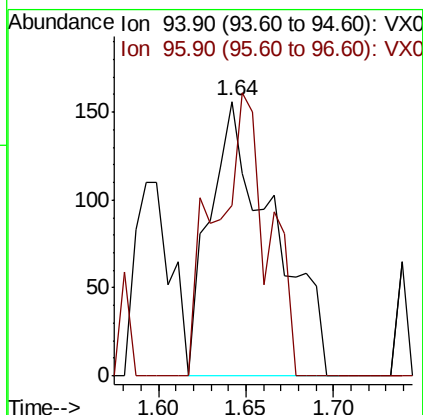
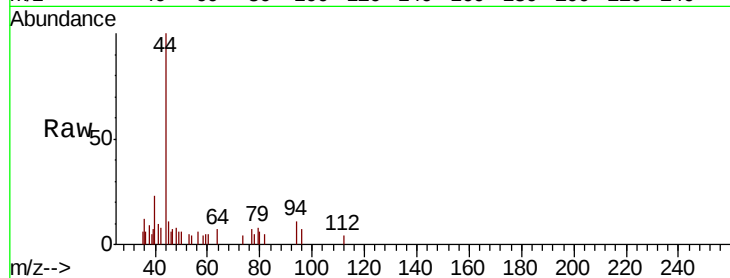
TB

Tot Ion: 94 Resp: 392

Ion Ratio Lower Upper

94 100

96 62.2 73.0 109.6#



#6

Chloroethane

Concen: 1.301 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.05 min

Lab File: VX009756.D

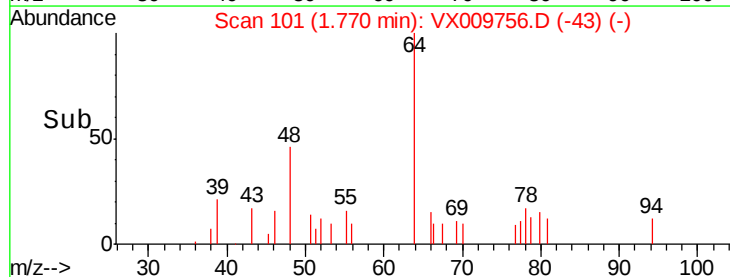
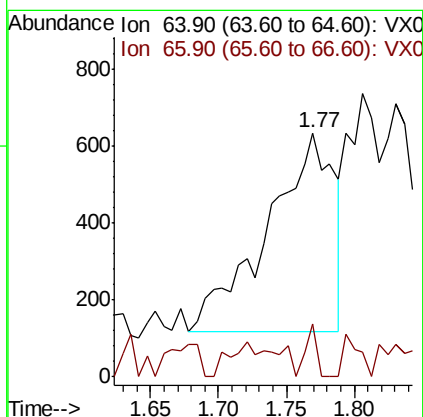
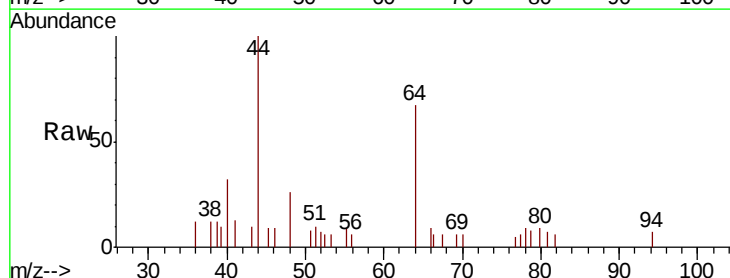
Acq: 21 May 2019 18:31

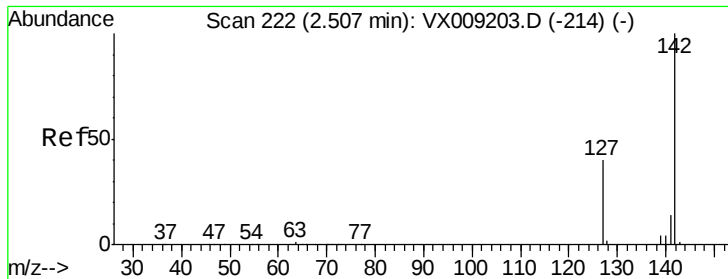
Tgt Ion: 64 Resp: 1748

Ion Ratio Lower Upper

64 100

66 26.7 25.3 37.9

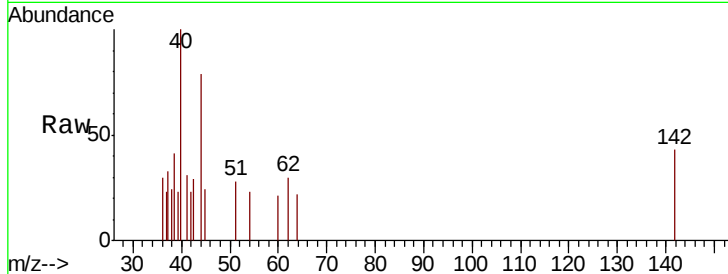




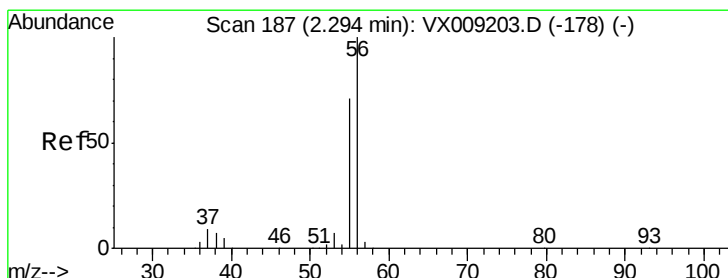
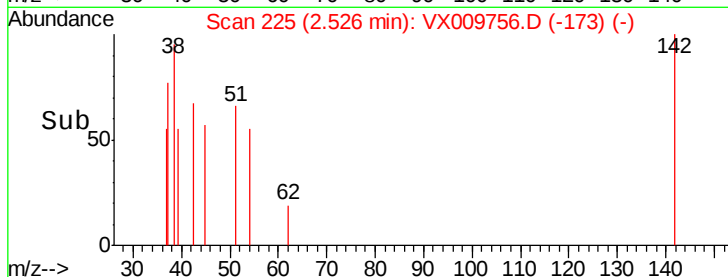
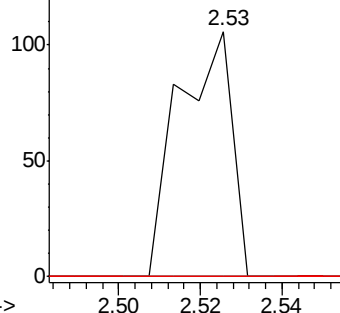
#10
Methyl Iodide
Concen: 4.641 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009756.D
Acq: 21 May 2019 18:31

Instrument :
MSVOA_X
ClientSampled :
TB

Tot Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

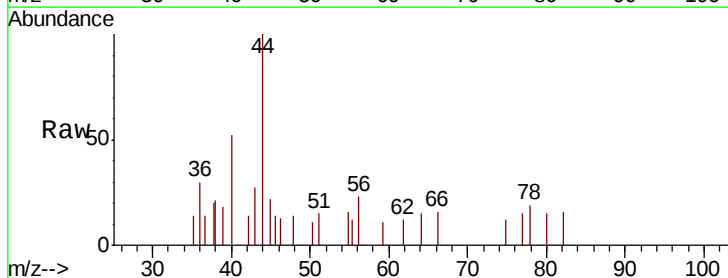


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

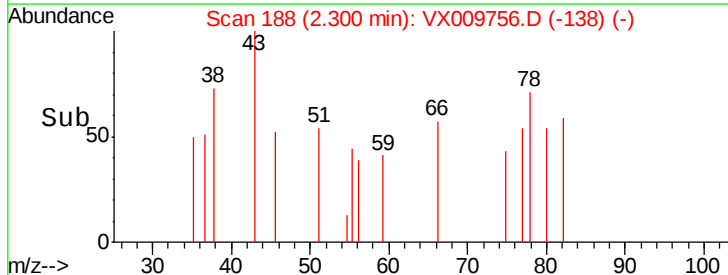
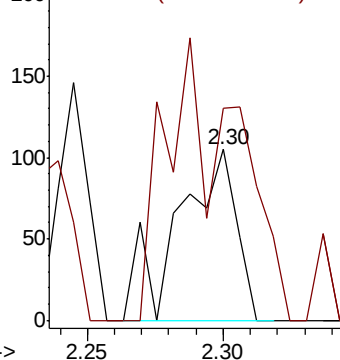


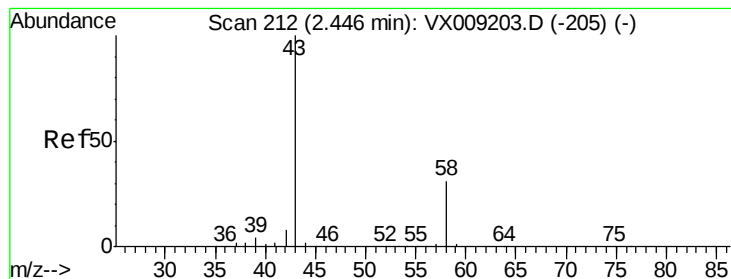
#13
Acrolein
Concen: 0.322 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009756.D
Acq: 21 May 2019 18:31

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 107.6 56.6 85.0#



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





#16

Acetone

Concen: 2.616 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

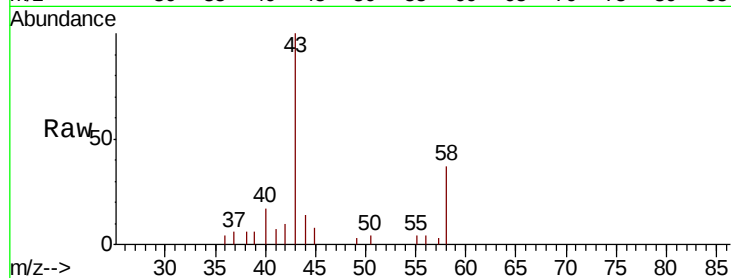
TB

Tot Ion: 43 Resp: 3272

Ion Ratio Lower Upper

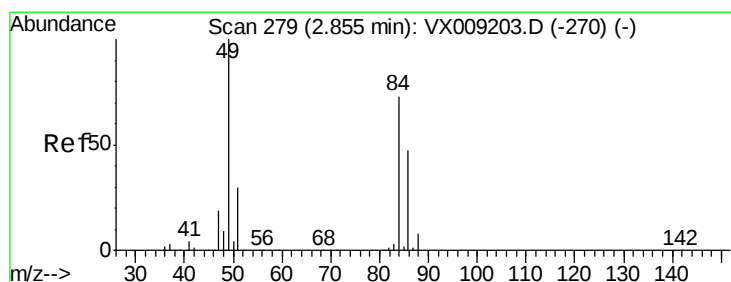
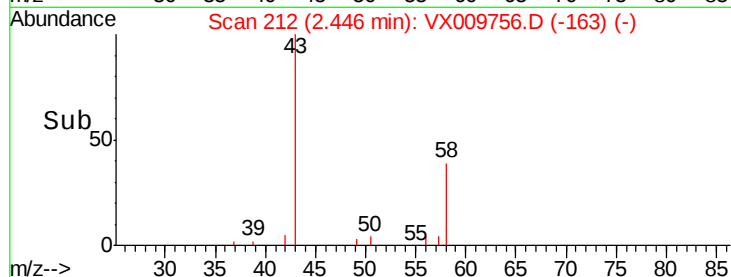
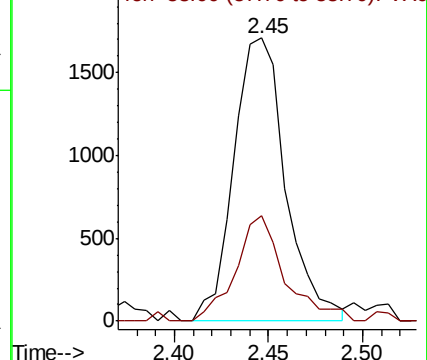
43 100

58 37.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Tgt Ion: 84 Resp: 593

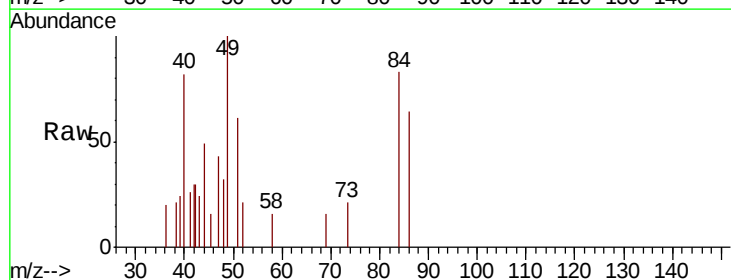
Ion Ratio Lower Upper

84 100

49 98.6 109.9 164.9#

51 53.5 32.7 49.1#

86 77.3 52.0 78.0

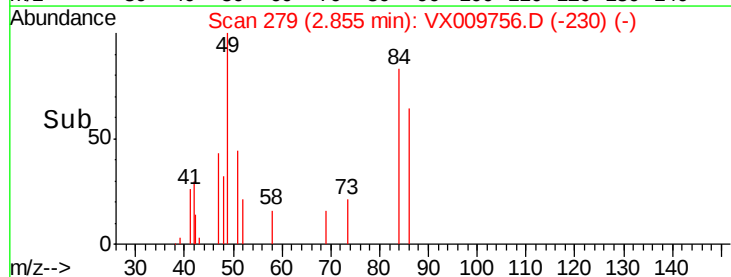
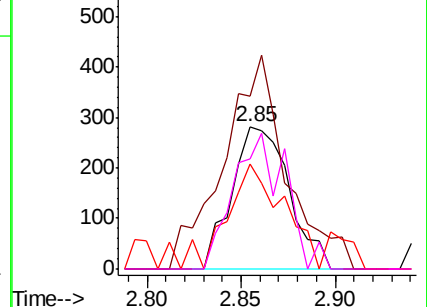


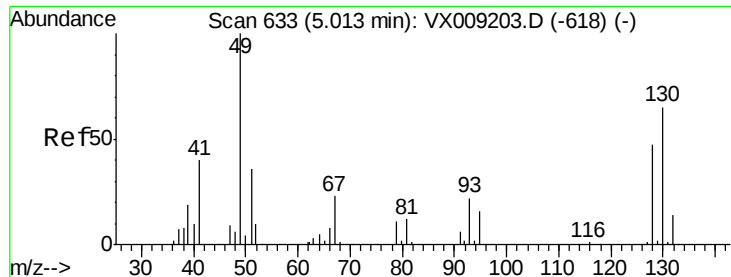
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

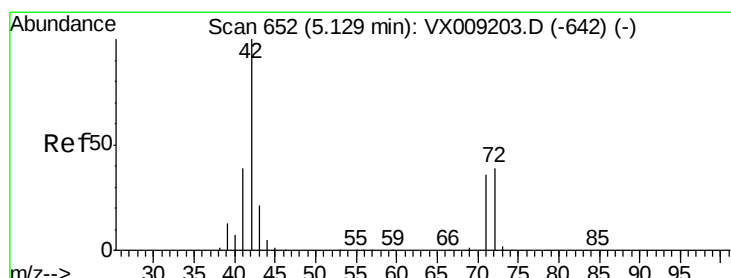
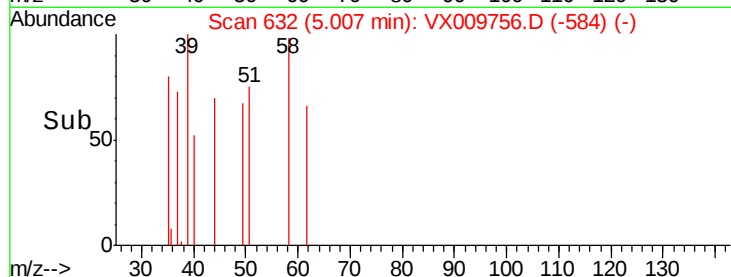
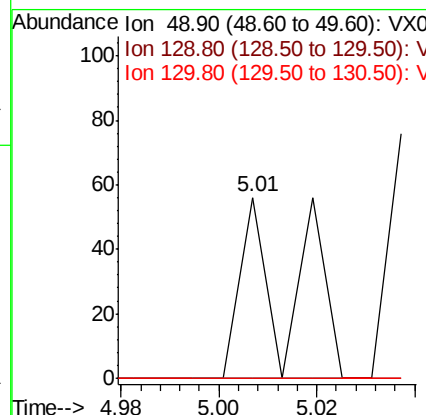
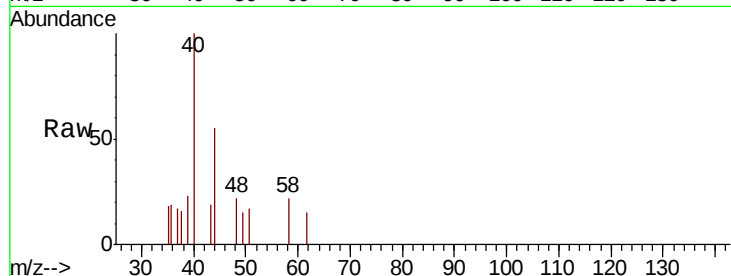
MSVOA_X

ClientSampleId :

TB

Tot Ion: 49 Resp: 41

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 5.16 min Scan# 657

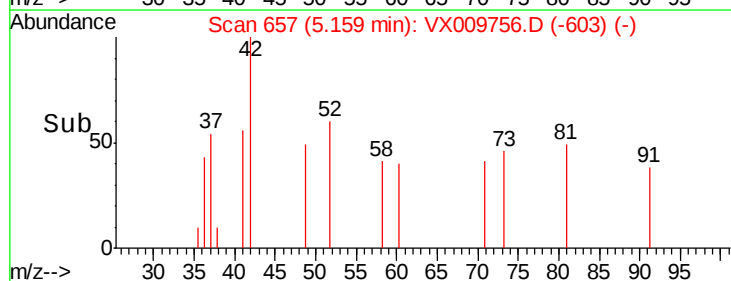
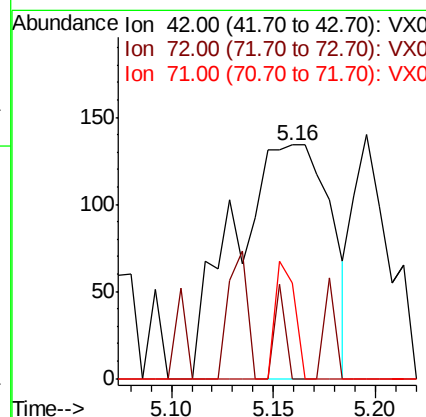
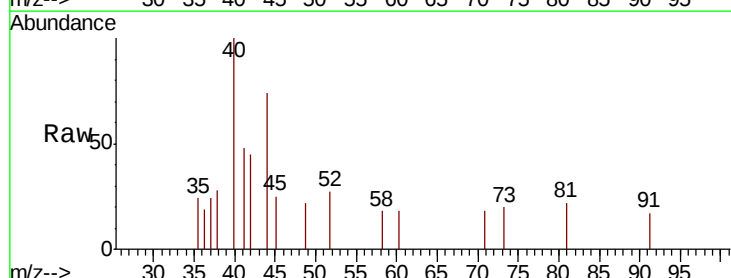
Delta R.T. 0.03 min

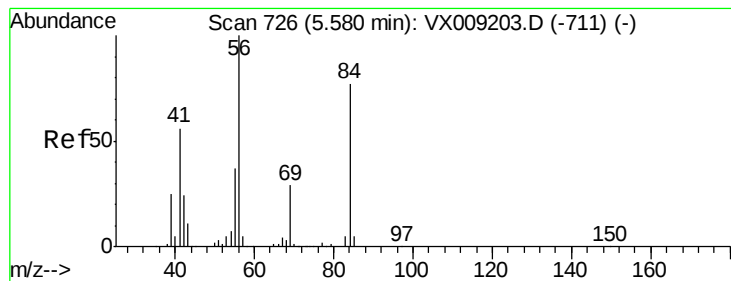
Lab File: VX009756.D

Acq: 21 May 2019 18:31

Tgt Ion: 42 Resp: 442

Ion	Ratio	Lower	Upper
42	100		
72	4.5	30.4	45.6#
71	10.2	28.6	43.0#





#31

Cyclohexane

Concen: 1.182 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

TB

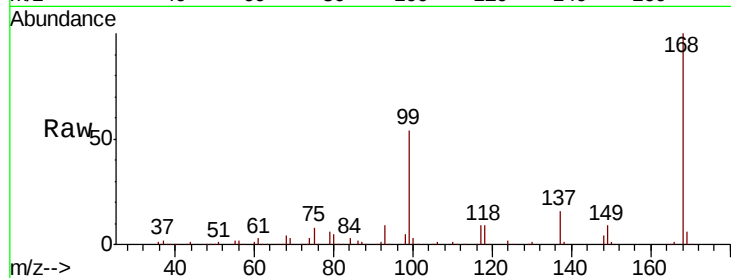
Tot Ion: 56 Resp: 4071

Ion Ratio Lower Upper

56 100

69 144.8 23.4 35.0#

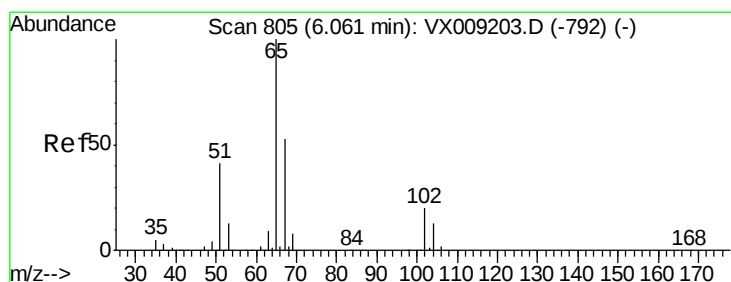
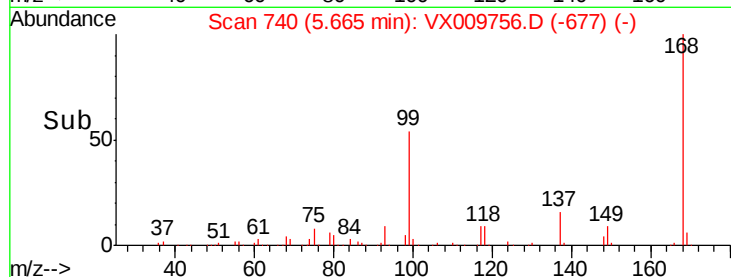
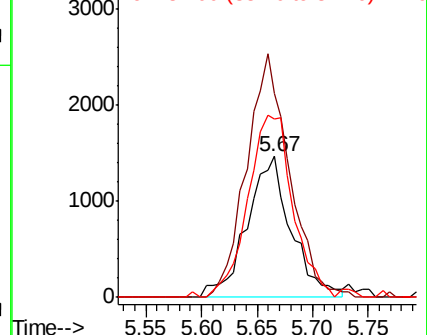
84 122.4 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.803 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009756.D

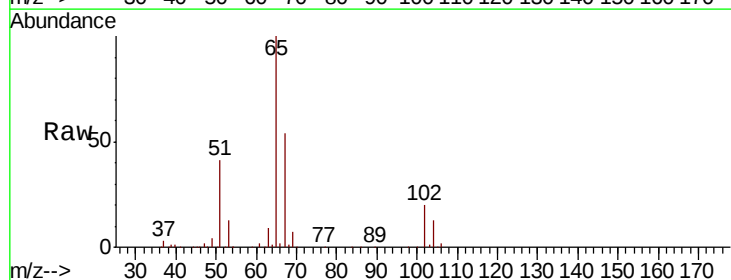
Acq: 21 May 2019 18:31

Tgt Ion: 65 Resp: 115997

Ion Ratio Lower Upper

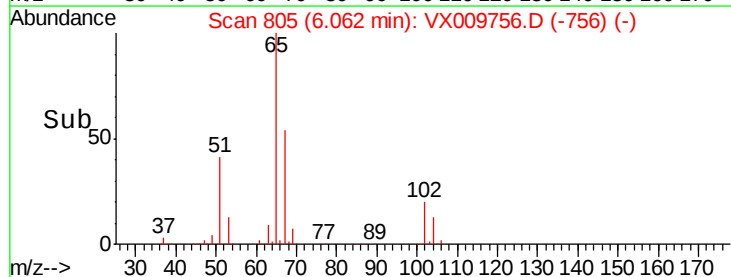
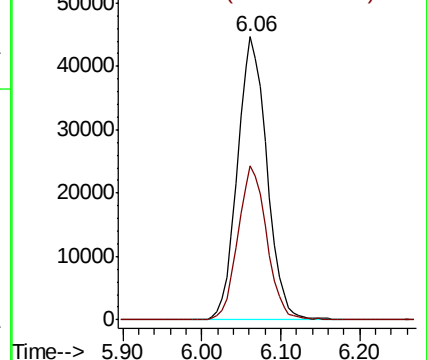
65 100

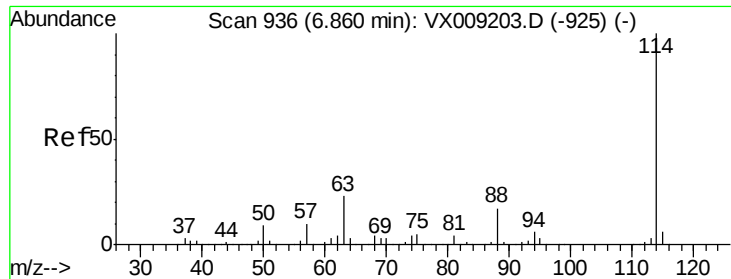
67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

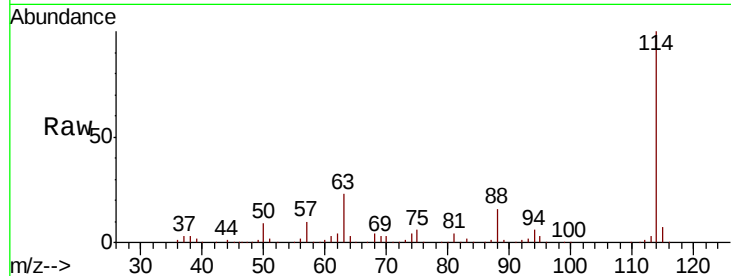




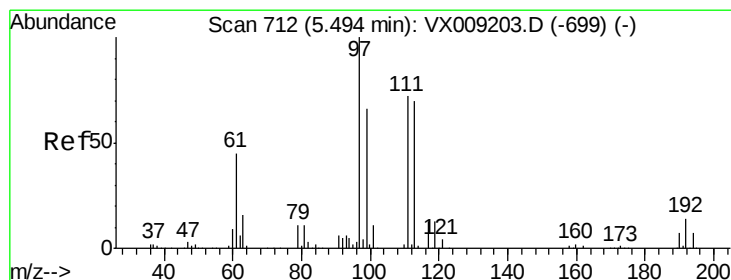
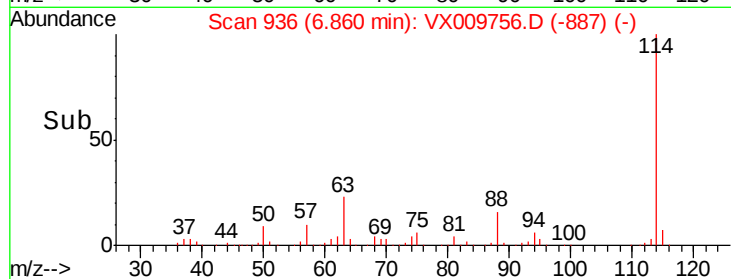
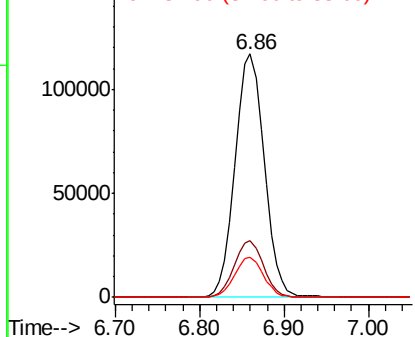
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009756.D
 Acq: 21 May 2019 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Tot Ion:114 Resp: 274723
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.3 0.0 33.2

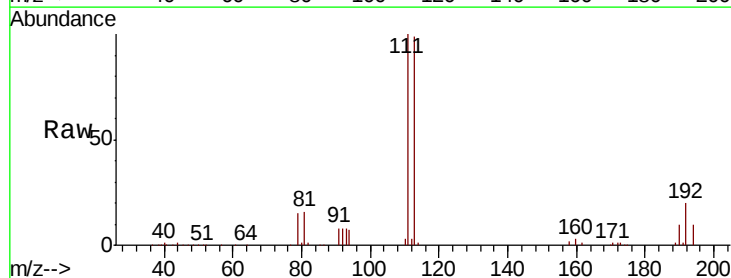


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

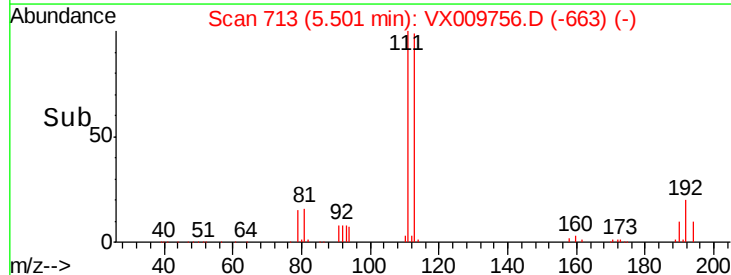
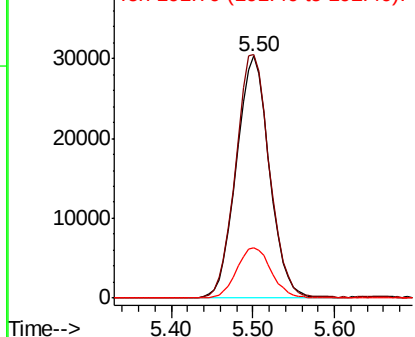


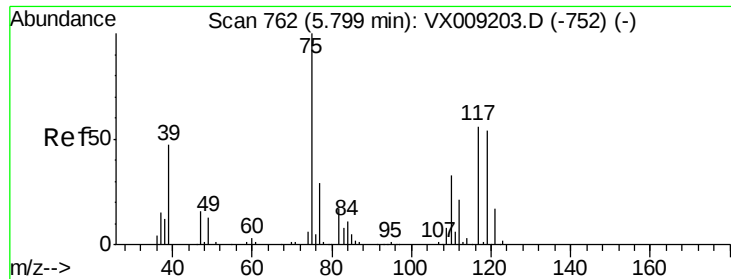
#35
 Dibromofluoromethane
 Concen: 49.291 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009756.D
 Acq: 21 May 2019 18:31

Tgt Ion:113 Resp: 85126
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 21.6 17.0 25.6



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: 5.283 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TB

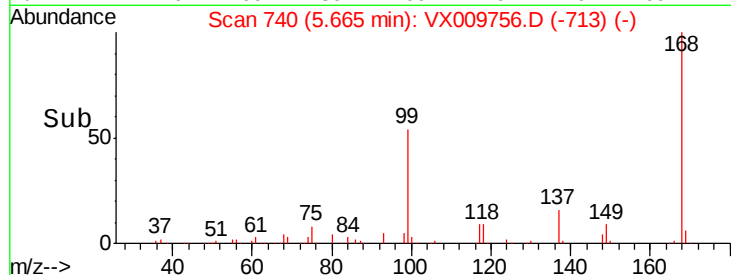
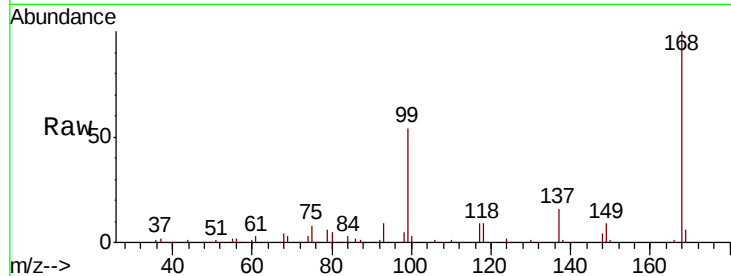
Tot Ion: 75 Resp: 13488

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

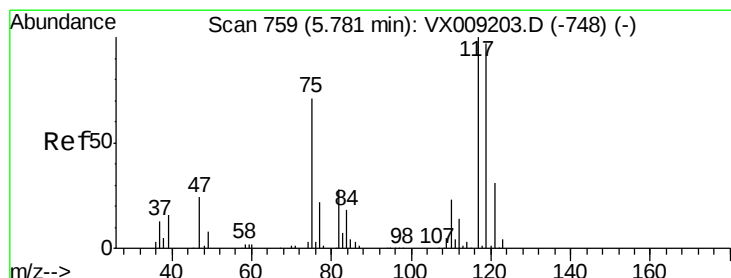
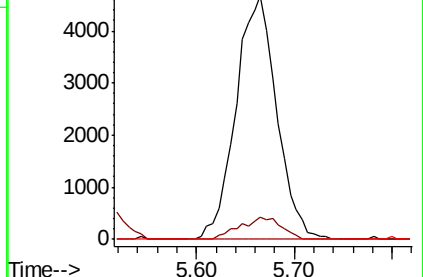
77 0.0 24.8 37.2#



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: 6.905 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

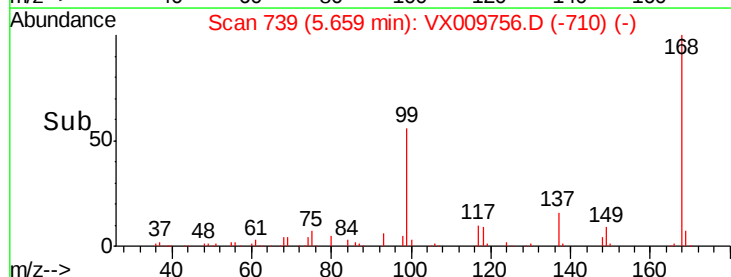
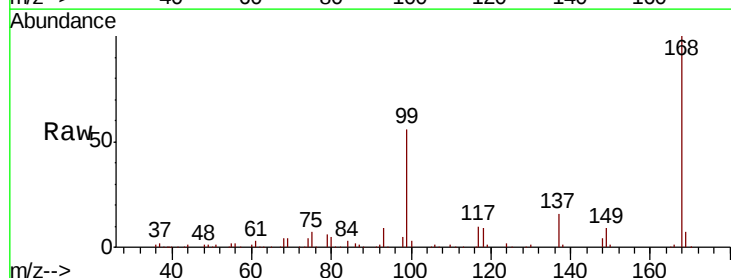
Tgt Ion: 117 Resp: 16016

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

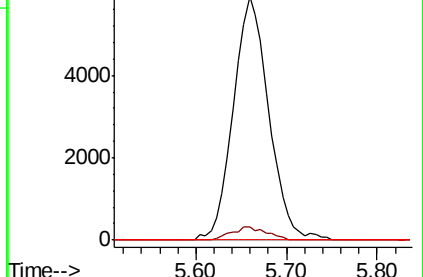
121 0.0 24.7 37.1#

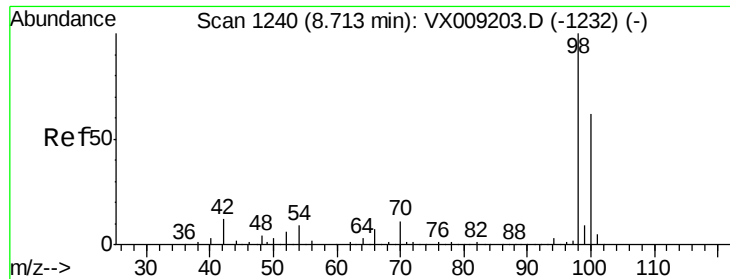


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.842 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

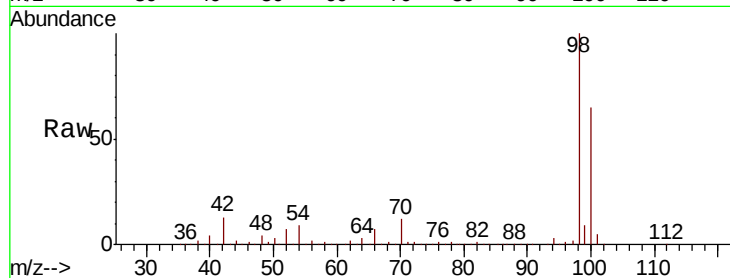
TB

Tot Ion: 98 Resp: 347521

Ion Ratio Lower Upper

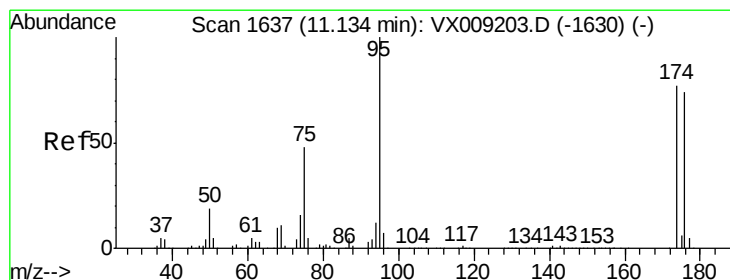
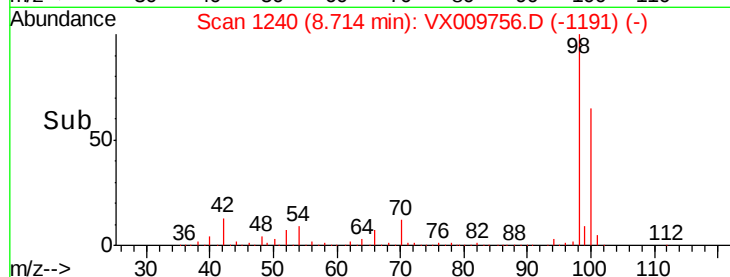
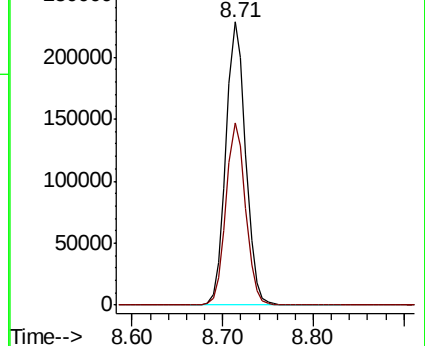
98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009756.D

Acq: 21 May 2019 18:31

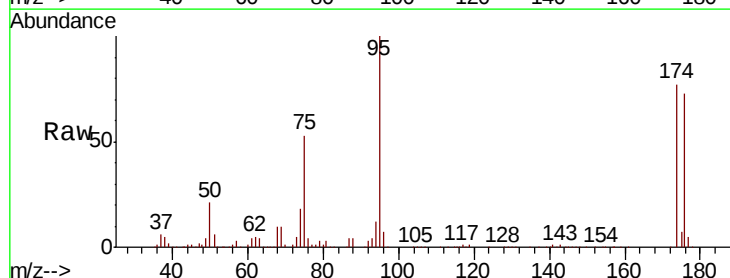
Tgt Ion: 95 Resp: 115022

Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.6

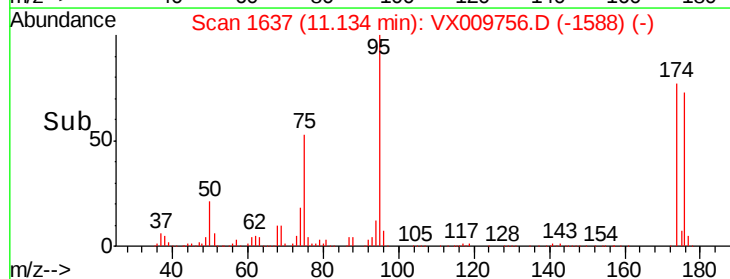
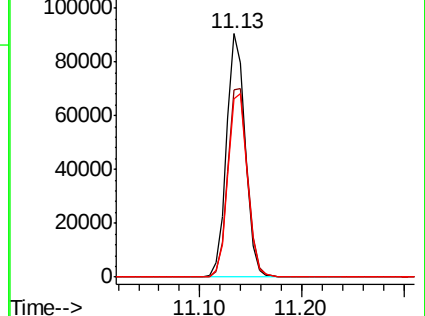
176 78.6 0.0 159.2

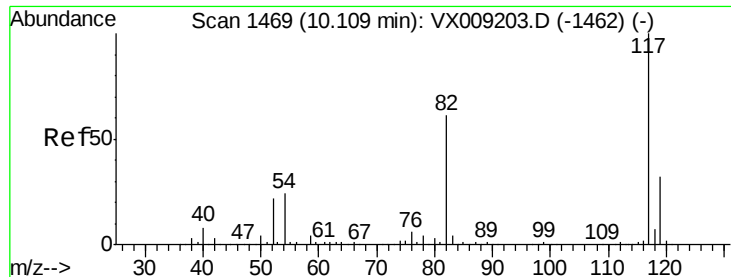


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

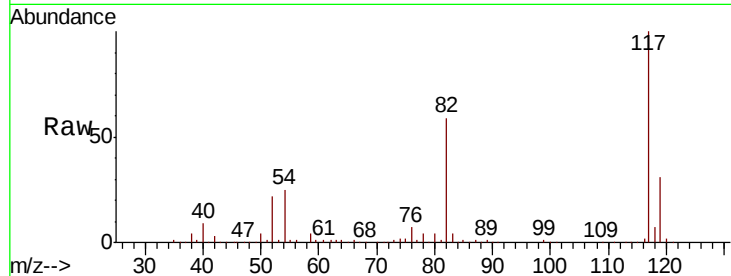




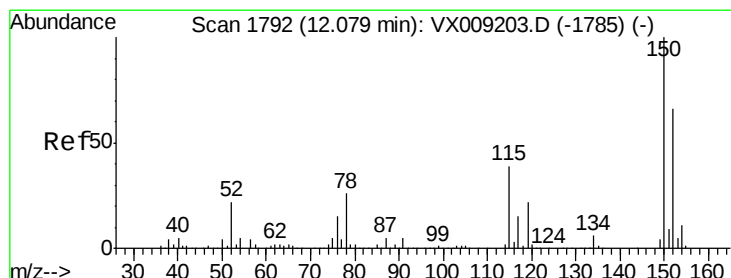
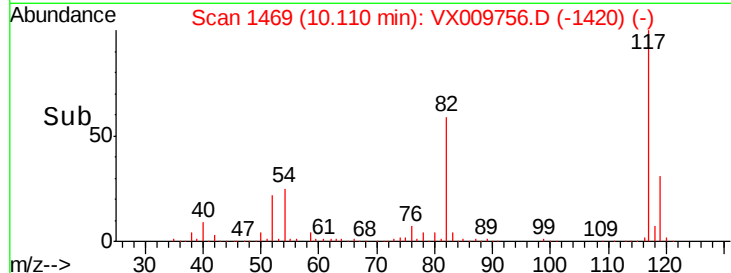
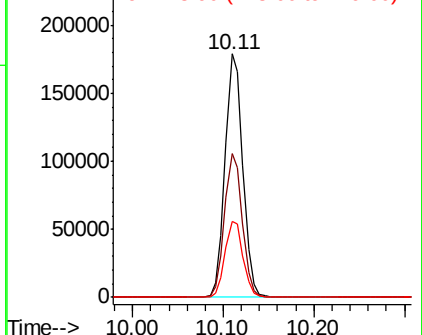
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009756.D
Acq: 21 May 2019 18:31

Instrument :
MSVOA_X
ClientSampled :
TB

Tot Ion:117 Resp: 243423
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.4 25.8 38.6

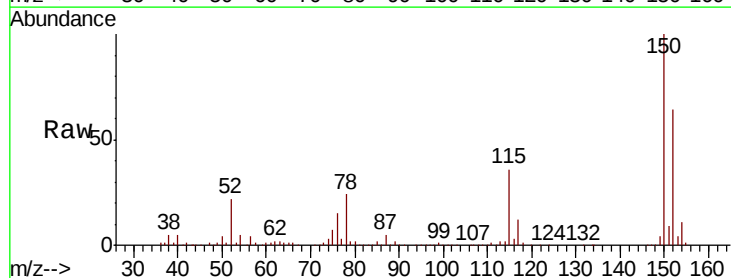


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

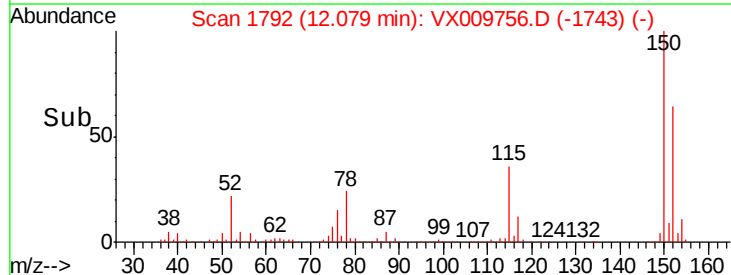
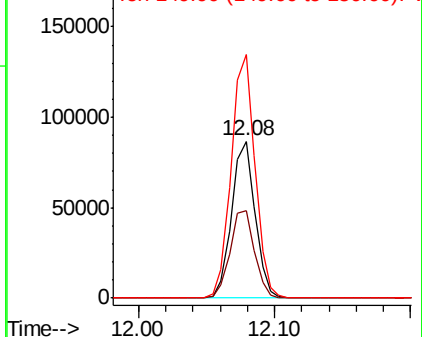


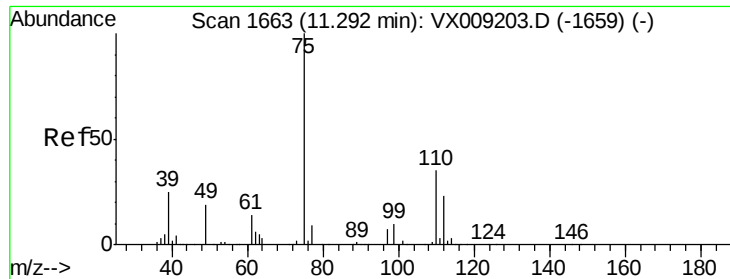
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009756.D
Acq: 21 May 2019 18:31

Tgt Ion:152 Resp: 104139
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 157.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

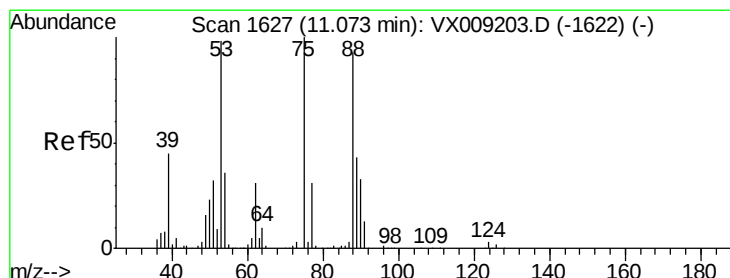
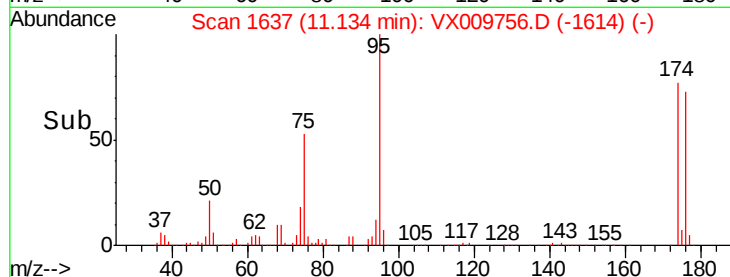
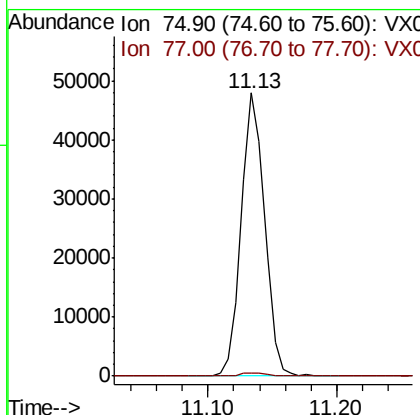
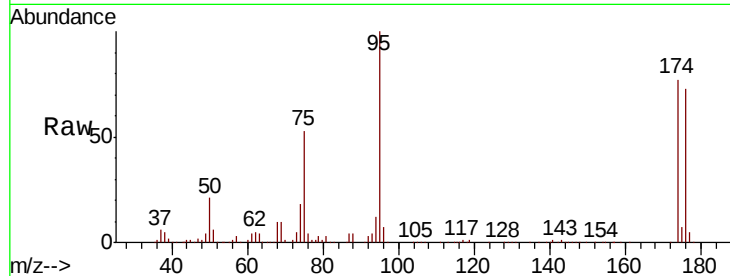




#76
 1,2,3-Trichloropropane
 Concen: 25.021 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009756.D
 Acq: 21 May 2019 18:31

Instrument :
 MSVOA_X
 ClientSampled :
 TB

Tot Ion: 75 Resp: 60442
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.020 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009756.D
 Acq: 21 May 2019 18:31

Tgt Ion: 75 Resp: 60442
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.1 34.7 52.1#

