

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012443.D
 Acq On : 17 Sep 2019 19:52
 Operator : JC/SP
 Sample : K4858-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20190909

Quant Time: Sep 18 04:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	132913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	210755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	173008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	65252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	91236	47.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.80%	
35) Dibromofluoromethane	5.48	113	64585	50.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.26%	
50) Toluene-d8	8.71	98	241978	51.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	11.14	95	83412	42.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.10%	

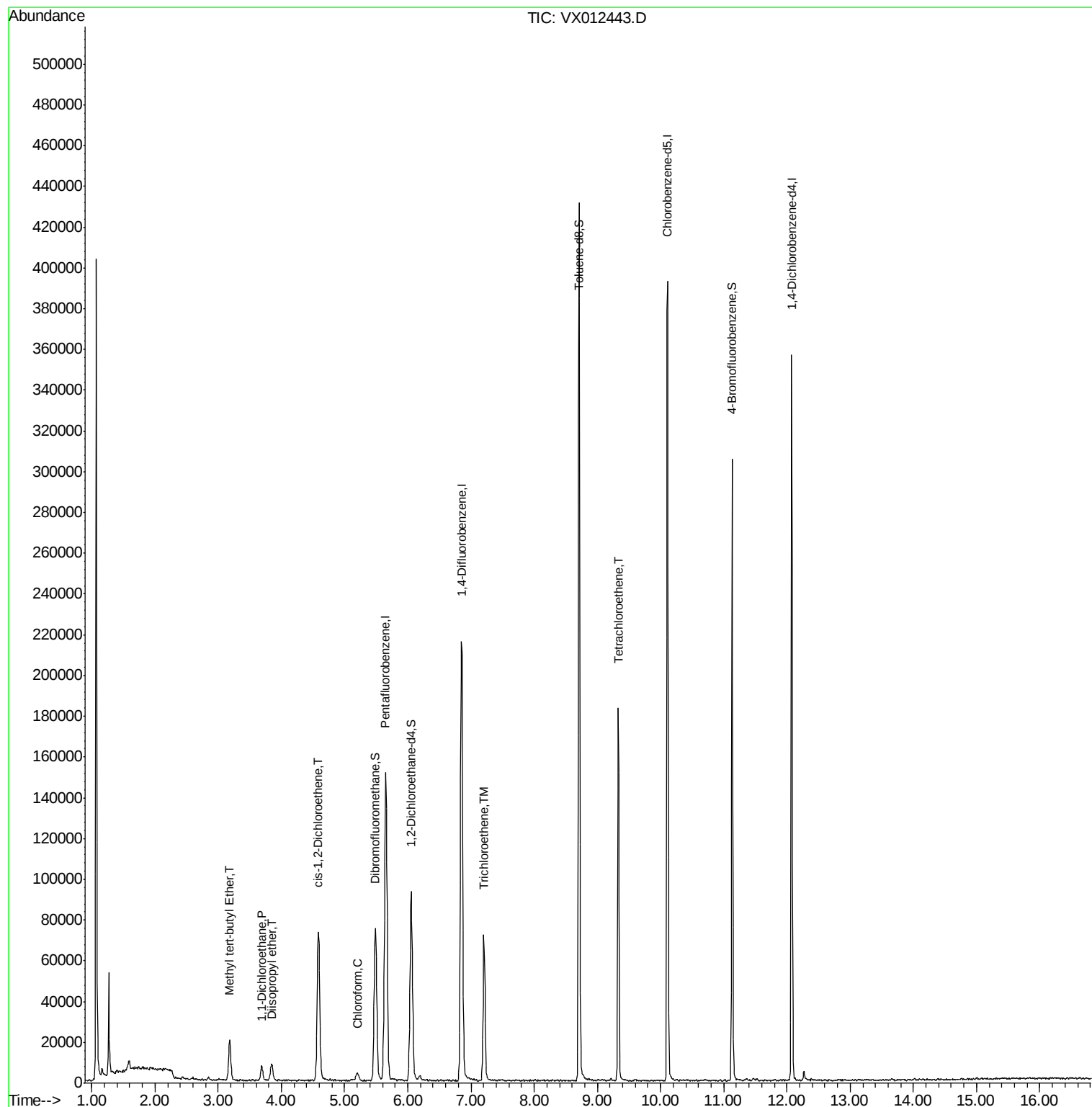
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.19	73	21184	4.650	ug/l	96
22) Diisopropyl ether	3.84	45	8946	1.964	ug/l #	79
24) 1,1-Dichloroethane	3.69	63	7473	3.429	ug/l #	92
27) cis-1,2-Dichloroethene	4.59	96	45626	35.198	ug/l	87
30) Chloroform	5.20	83	4287	1.713	ug/l	95
44) Trichloroethene	7.20	130	27325	25.503	ug/l	90
64) Tetrachloroethene	9.33	164	32424	40.899	ug/l	97

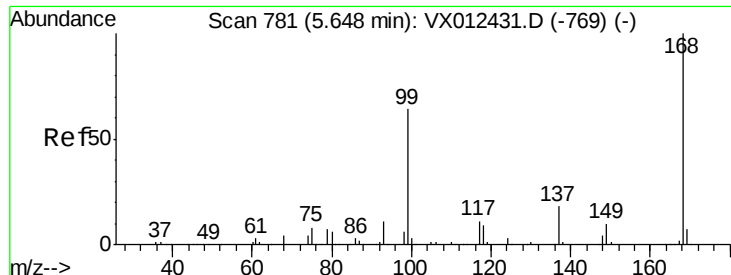
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012443.D

Acq: 17 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

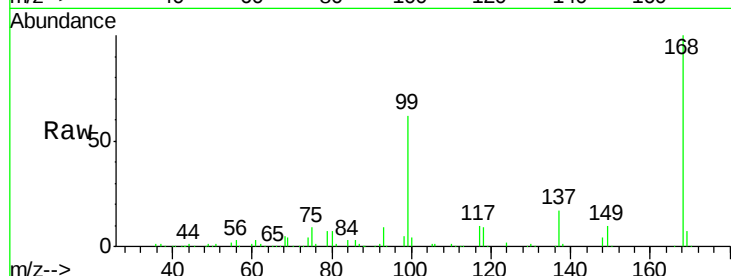
MW202D1-20190909

Tot Ion:168 Resp: 132913

Ion Ratio Lower Upper

168 100

99 62.5 51.4 77.2

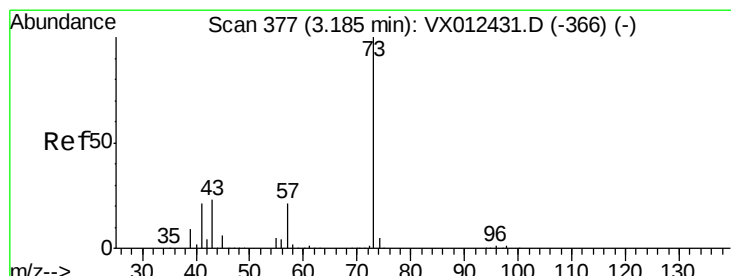
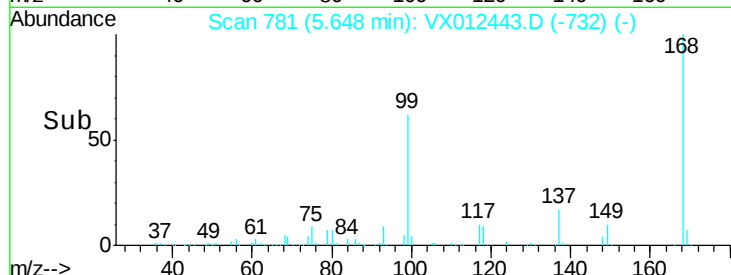


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#19

Methyl tert-butyl Ether

Concen: 4.650 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX012443.D

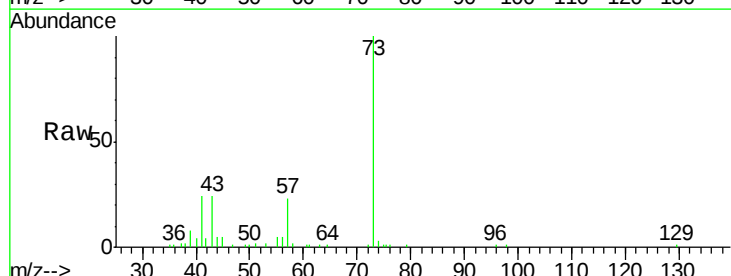
Acq: 17 Sep 2019 19:52

Tgt Ion: 73 Resp: 21184

Ion Ratio Lower Upper

73 100

57 22.9 16.8 25.2

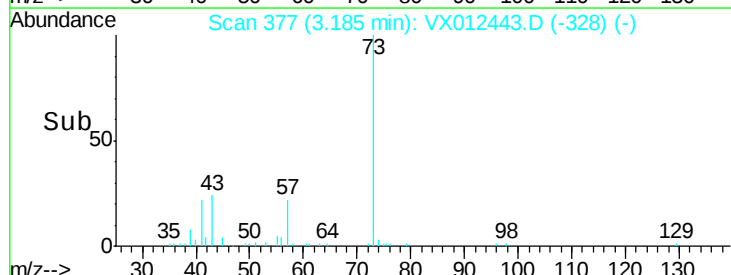


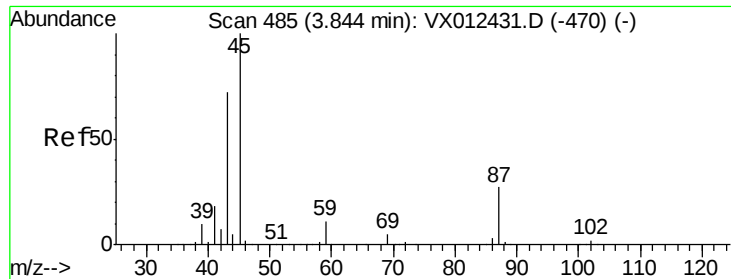
Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.19

Time-->





#22

Diisopropyl ether

Concen: 1.964 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012443.D

Acq: 17 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20190909

Tot Ion: 45 Resp: 8946

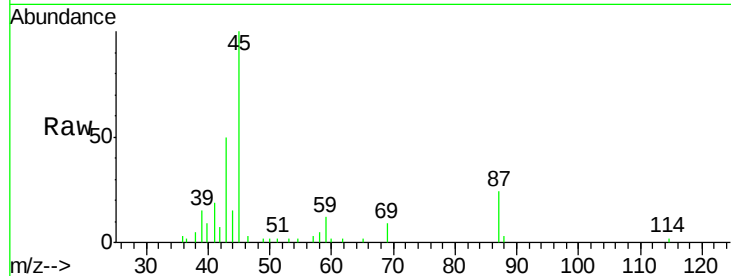
Ion Ratio Lower Upper

45 100

43 47.7 57.8 86.8#

87 24.2 21.3 31.9

59 12.0 8.5 12.7

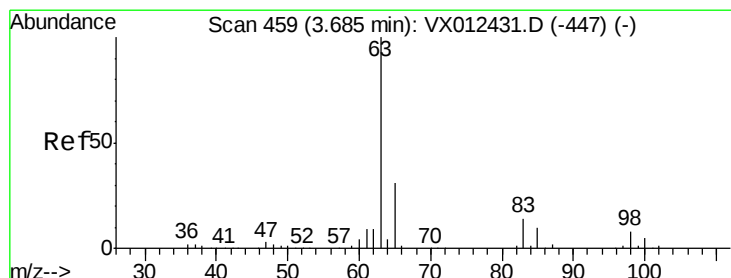
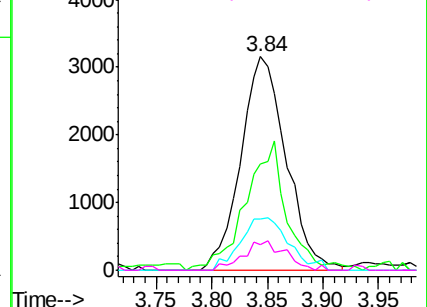
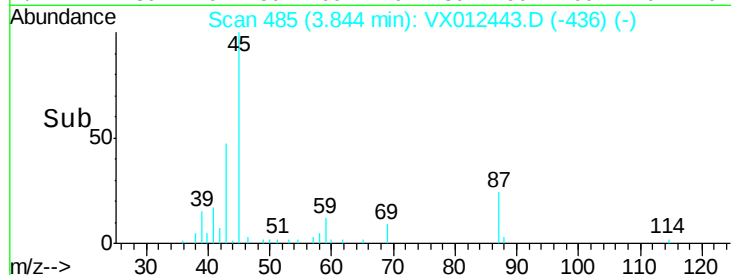


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#24

1,1-Dichloroethane

Concen: 3.429 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012443.D

Acq: 17 Sep 2019 19:52

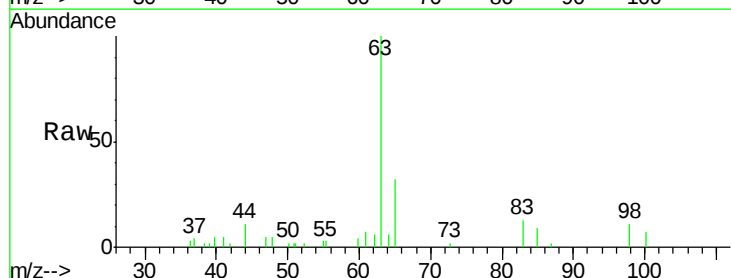
Tgt Ion: 63 Resp: 7473

Ion Ratio Lower Upper

63 100

98 10.7 3.9 11.7

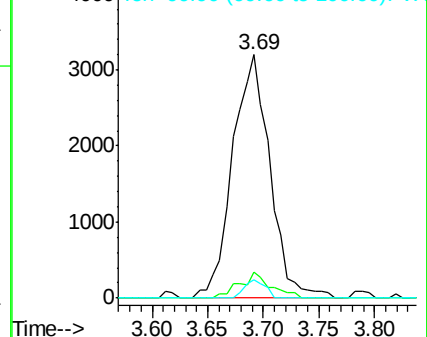
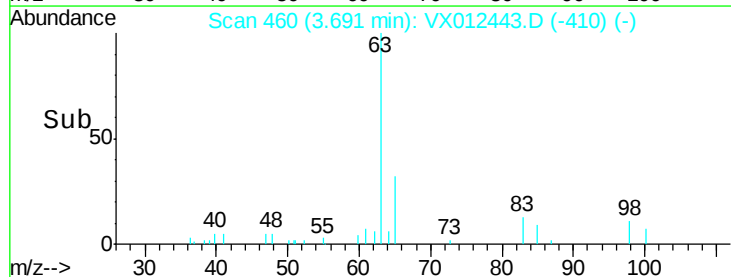
100 7.3 2.3 6.9#

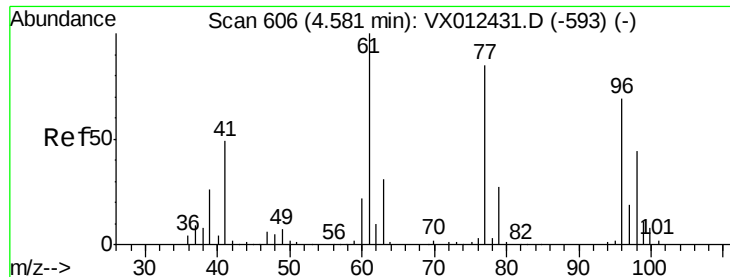


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



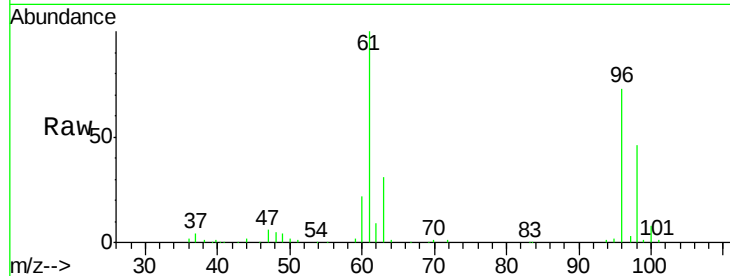


#27

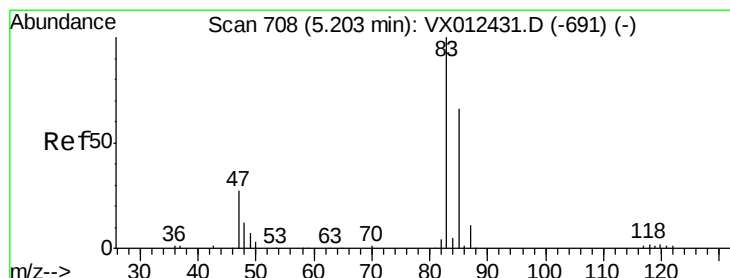
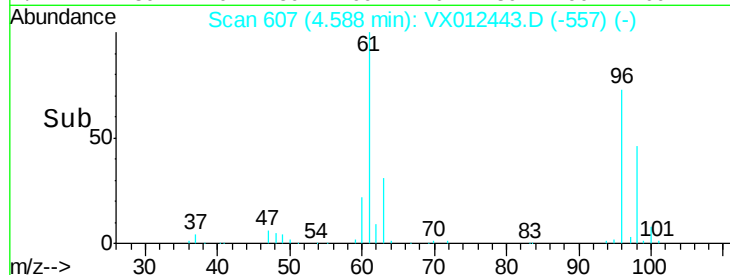
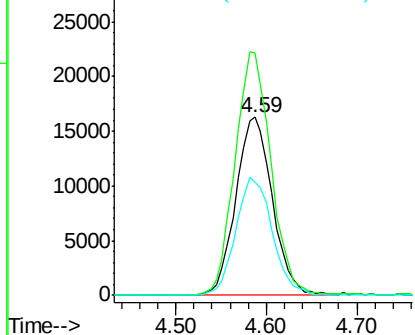
cis-1,2-Dichloroethene
 Concen: 35.198 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20190909

Tot Ion: 96 Resp: 45626
 Ion Ratio Lower Upper
 96 100
 61 135.1 0.0 319.4
 98 65.8 0.0 130.6



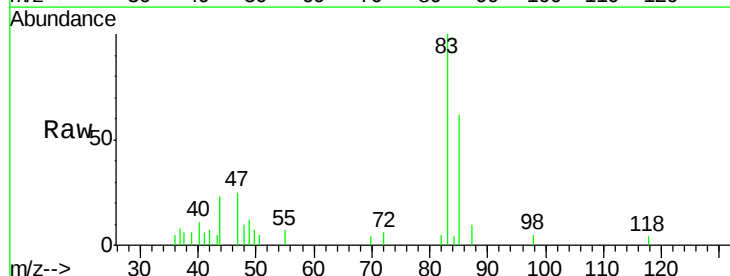
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



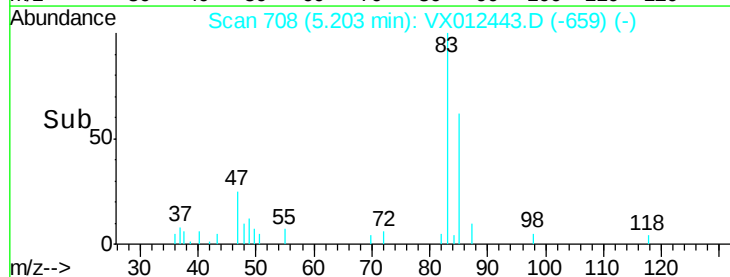
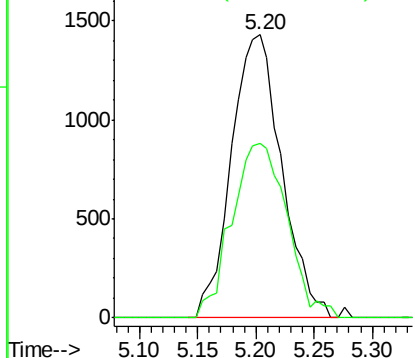
#30

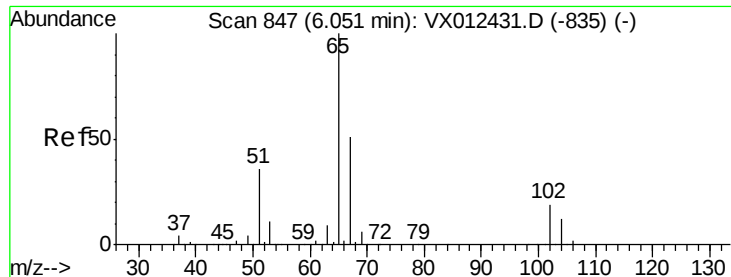
Chloroform
 Concen: 1.713 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

Tgt Ion: 83 Resp: 4287
 Ion Ratio Lower Upper
 83 100
 85 61.9 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0

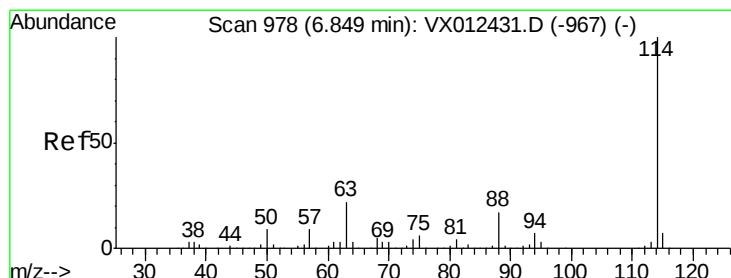
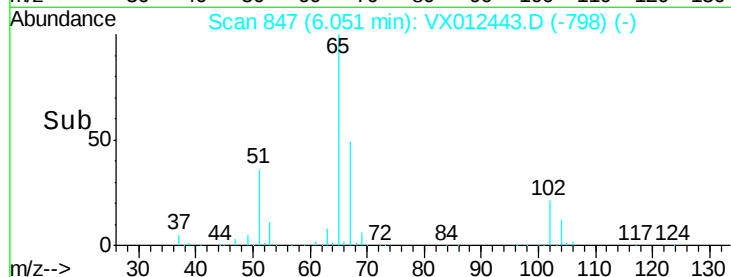
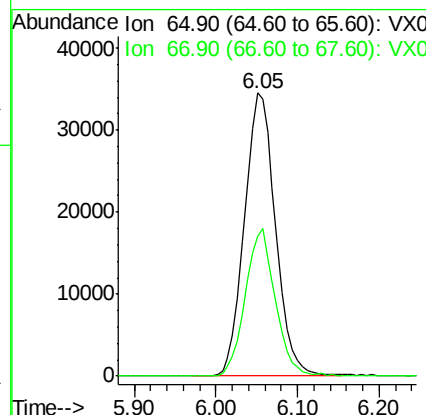
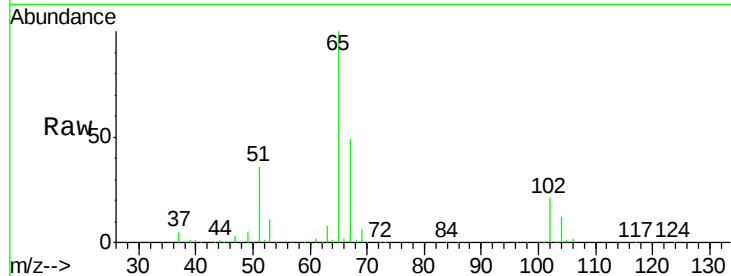




#33
 1,2-Dichloroethane-d4
 Concen: 47.895 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

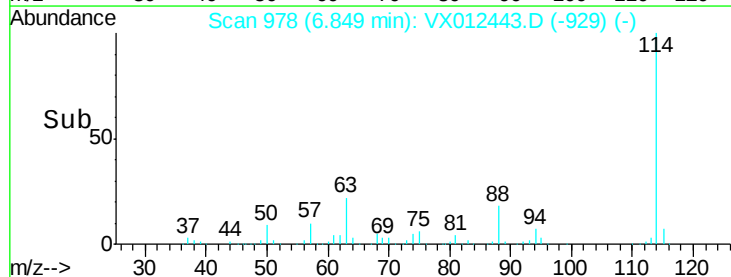
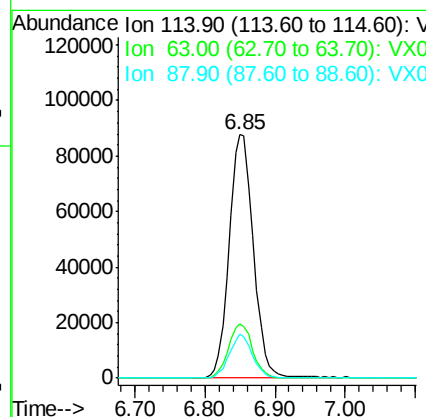
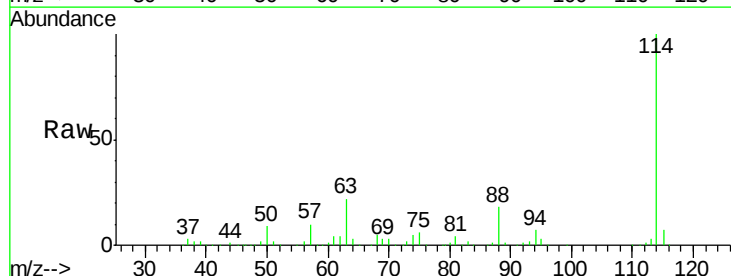
Instrument :
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 ClientSampleId :
 MW202D1-20190909

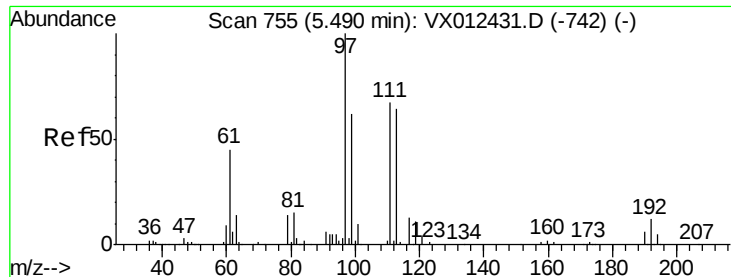
Tot Ion: 65 Resp: 91236
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

Tgt Ion: 114 Resp: 210755
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 17.9 0.0 33.2

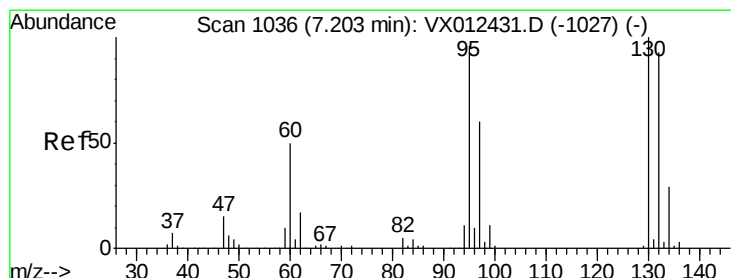
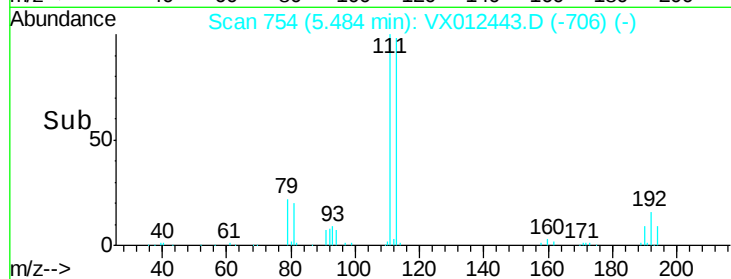
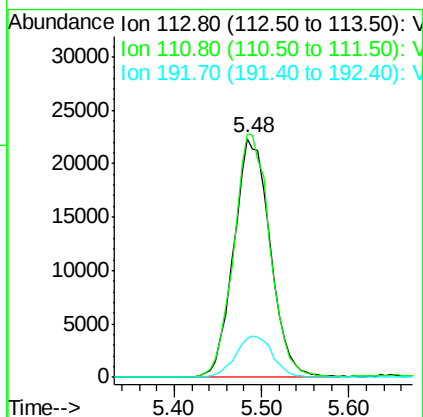
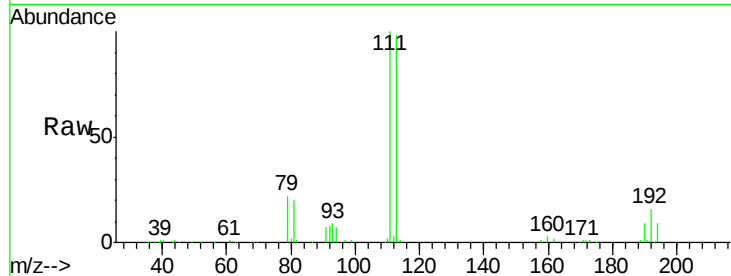




#35
 Dibromofluoromethane
 Concen: 50.631 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

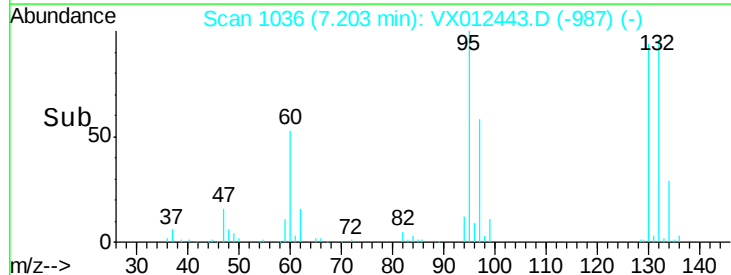
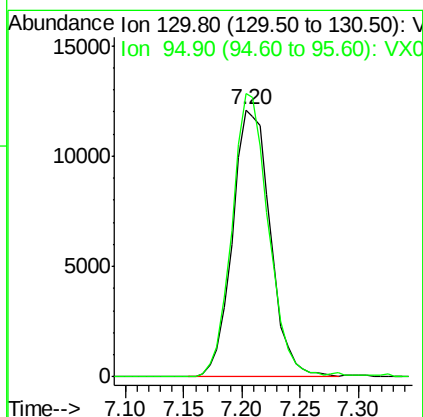
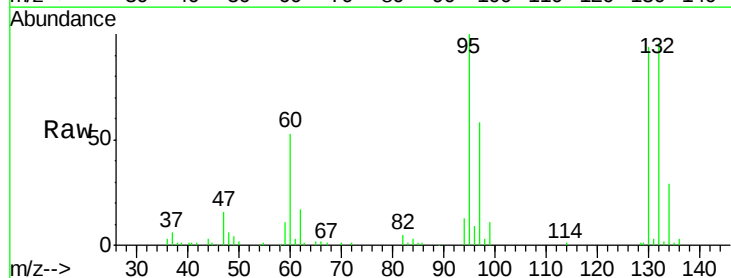
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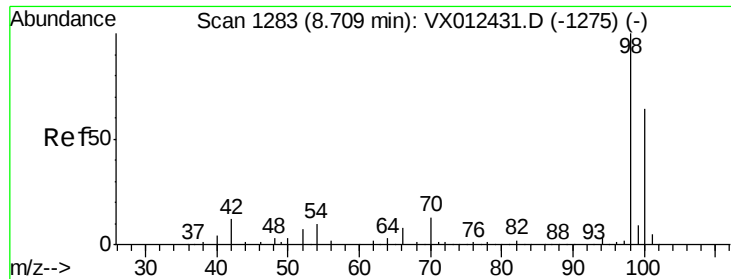
Tot Ion:113 Resp: 64585
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.2
 192 17.7 14.4 21.6



#44
 Trichloroethene
 Concen: 25.503 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012443.D
 Acq: 17 Sep 2019 19:52

Tgt Ion:130 Resp: 27325
 Ion Ratio Lower Upper
 130 100
 95 106.1 0.0 193.0

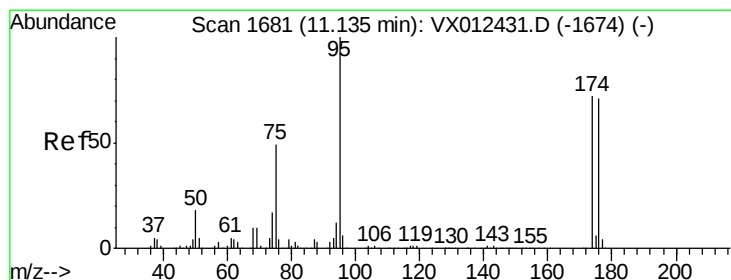
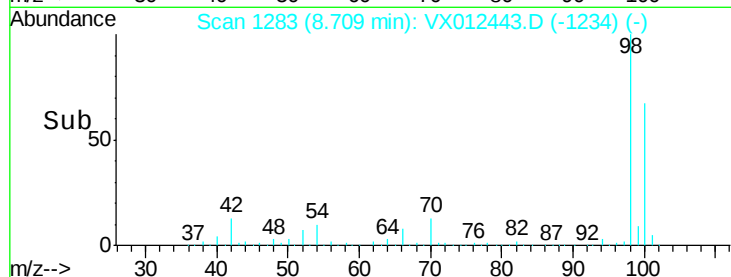
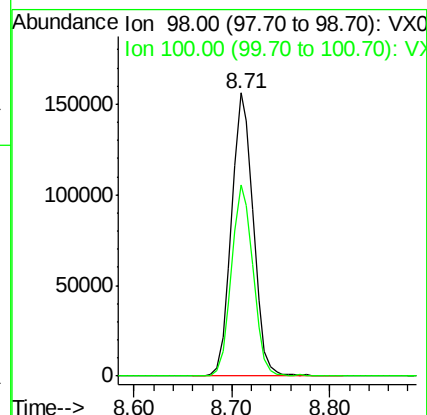
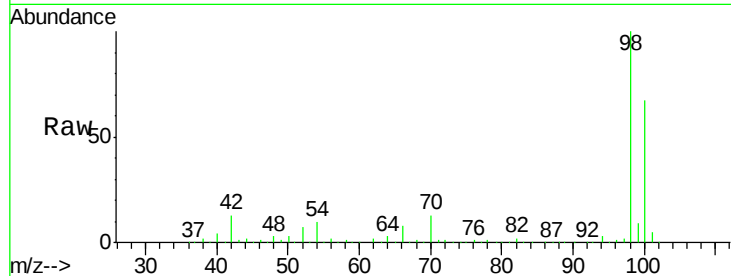




#50
Toluene-d8
Concen: 51.249 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012443.D
Acq: 17 Sep 2019 19:52

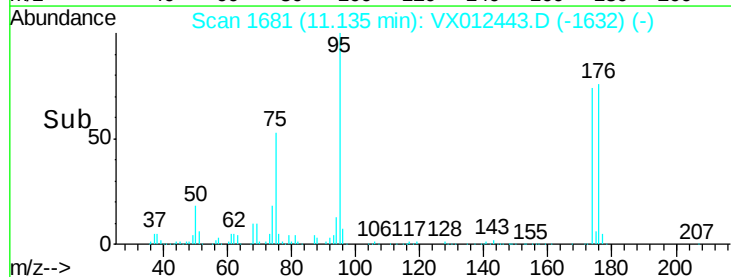
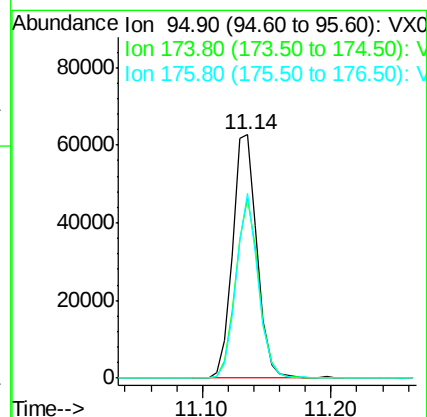
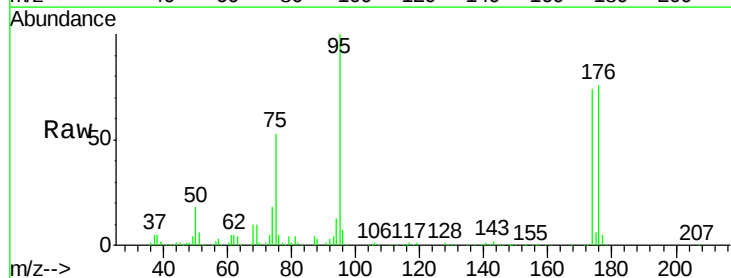
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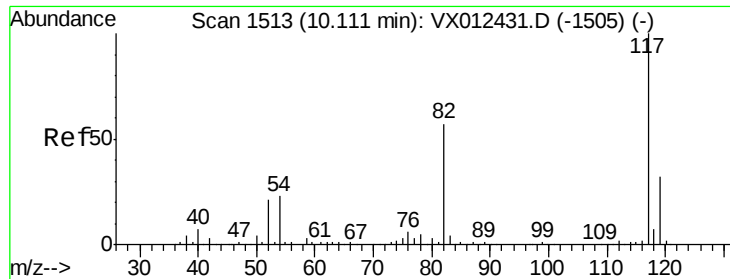
Tot Ion: 98 Resp: 241978
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 42.547 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012443.D
Acq: 17 Sep 2019 19:52

Tgt Ion: 95 Resp: 83412
Ion Ratio Lower Upper
95 100
174 69.9 0.0 140.0
176 68.2 0.0 135.4

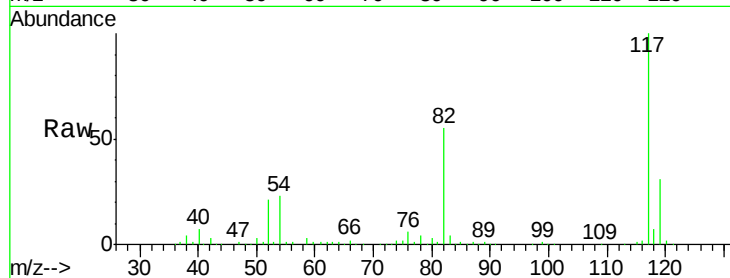




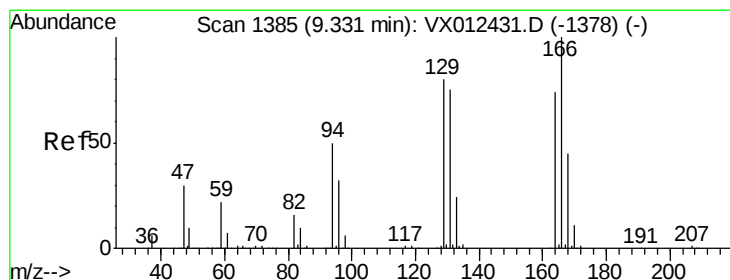
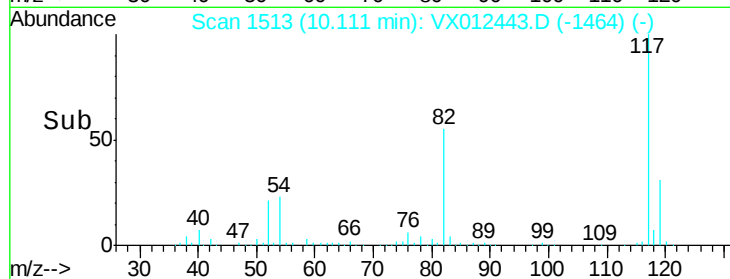
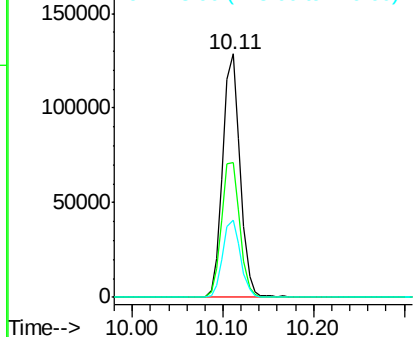
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012443.D
Acq: 17 Sep 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20190909

Tot Ion:117 Resp: 173008
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 31.5 25.3 37.9

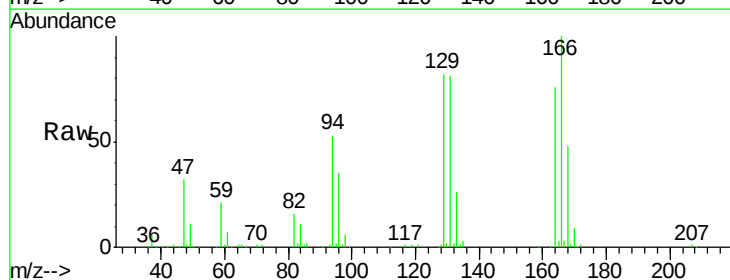


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

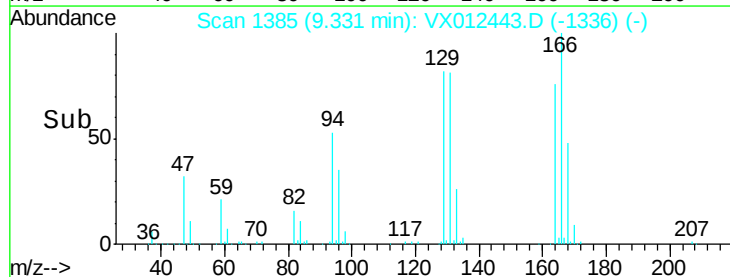
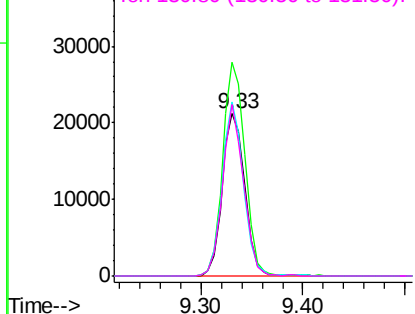


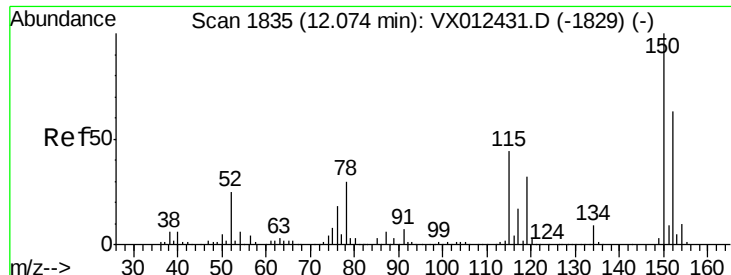
#64
Tetrachloroethene
Concen: 40.899 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012443.D
Acq: 17 Sep 2019 19:52

Tgt Ion:164 Resp: 32424
Ion Ratio Lower Upper
164 100
166 131.5 107.8 161.6
129 107.4 86.2 129.2
131 105.9 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012443.D

Acq: 17 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20190909

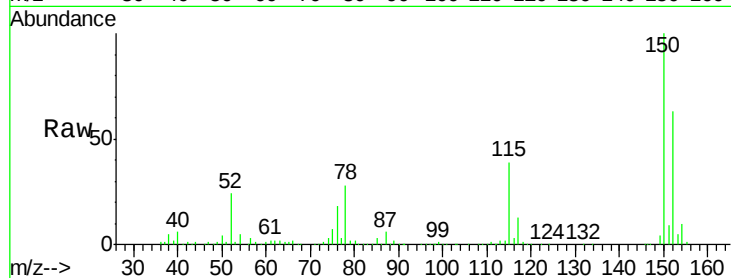
Tot Ion:152 Resp: 65252

Ion Ratio Lower Upper

152 100

115 64.1 44.1 132.3

150 157.9 0.0 343.8



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

