

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122818\
 Data File : VX006853.D
 Acq On : 28 Dec 2018 11:40
 Operator : JC/MD
 Sample : J6584-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENGINE-WASH

Quant Time: Dec 29 03:55:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	677955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	948881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	482210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	344286	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	5.50	113	303914	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.71	98	1199303	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	448468	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	

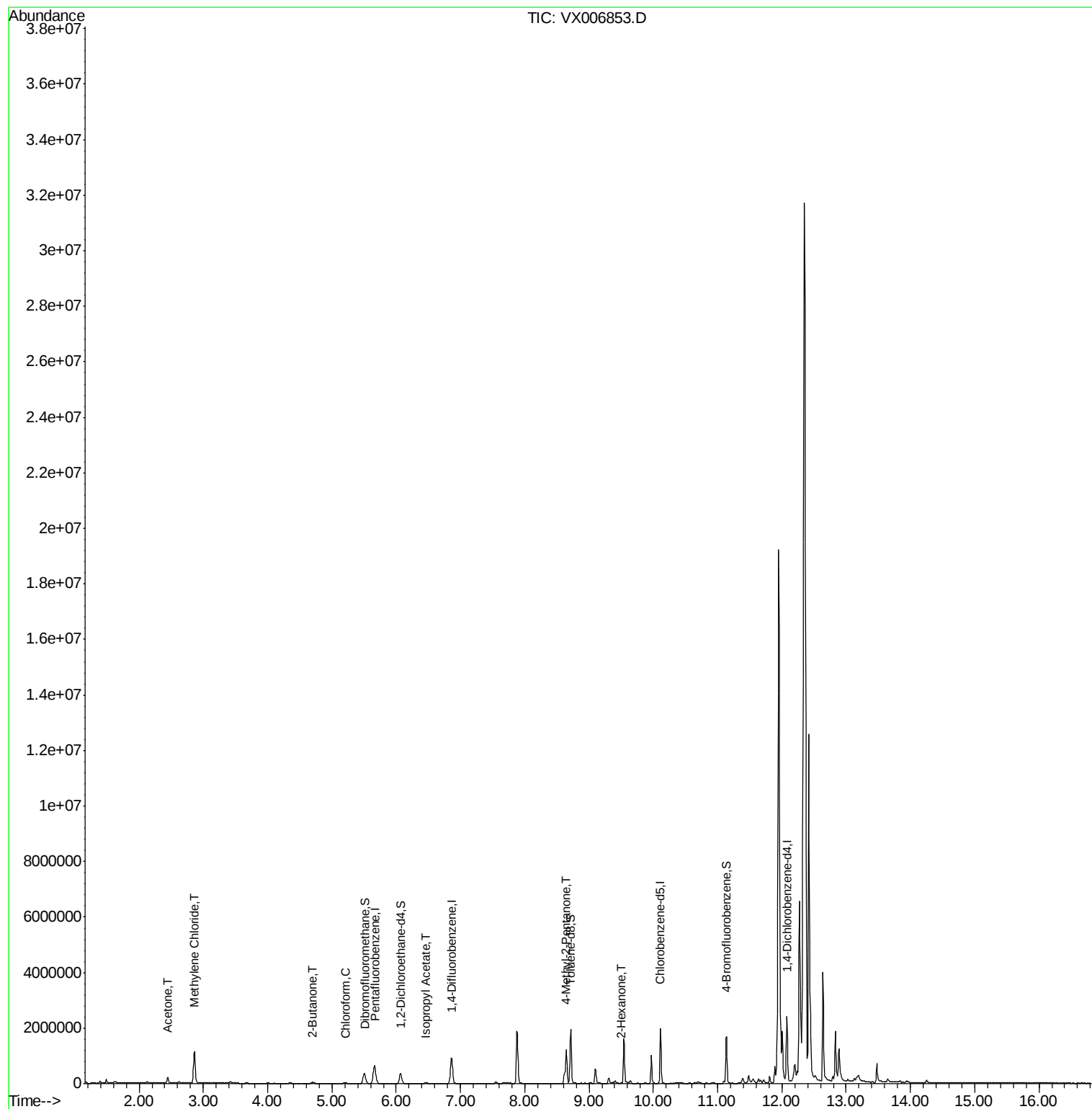
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	214224	63.815	ug/l	98
20) Methylene Chloride	2.86	84	541137	77.956	ug/l	98
25) 2-Butanone	4.70	43	85709	18.151	ug/l	97
30) Chloroform	5.21	83	14432	1.252	ug/l	98
43) Isopropyl Acetate	6.46	43	30295	2.297	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	803338	95.730	ug/l	93
59) 2-Hexanone	9.49	43	8754	1.363	ug/l	96

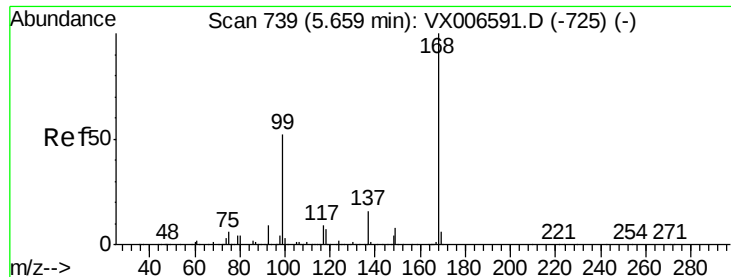
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006853.D

Acq: 28 Dec 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

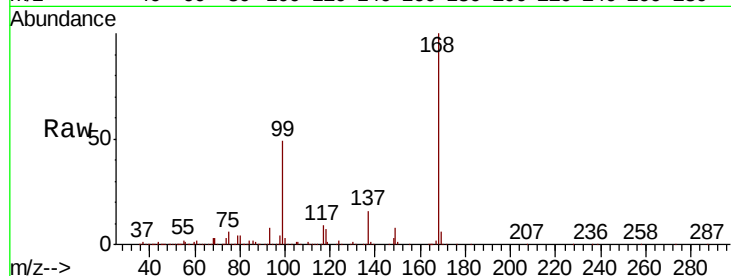
ENGINE-WASH

Tot Ion:168 Resp: 677955

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

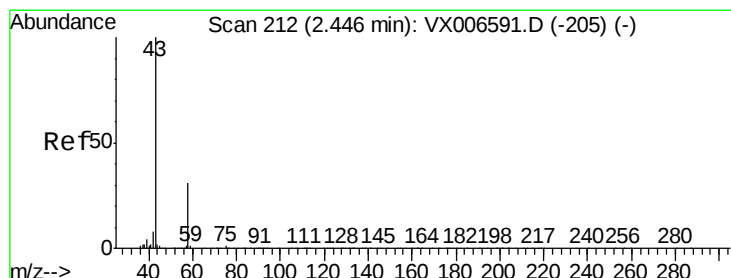
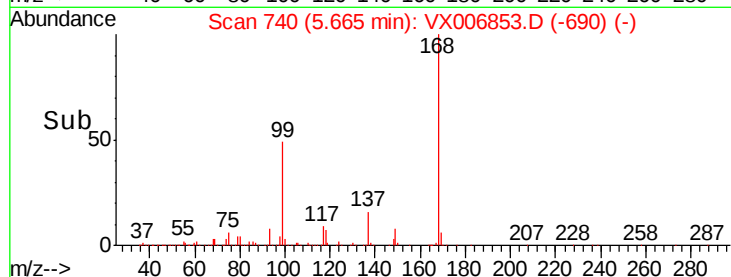
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 63.815 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006853.D

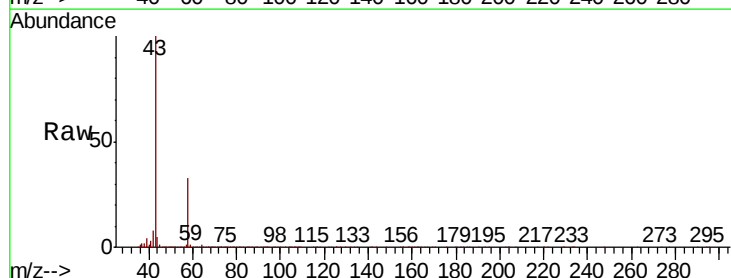
Acq: 28 Dec 2018 11:40

Tgt Ion: 43 Resp: 214224

Ion Ratio Lower Upper

43 100

58 32.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

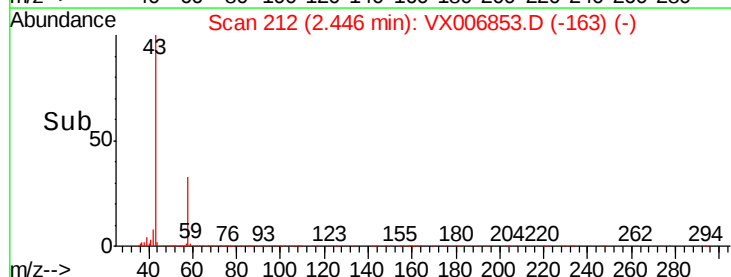
150000

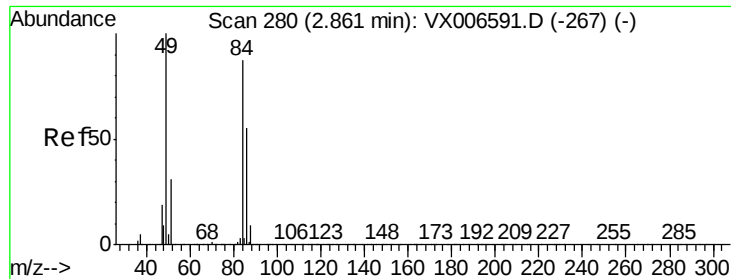
100000

50000

0

Time--> 2.35 2.40 2.45 2.50 2.55

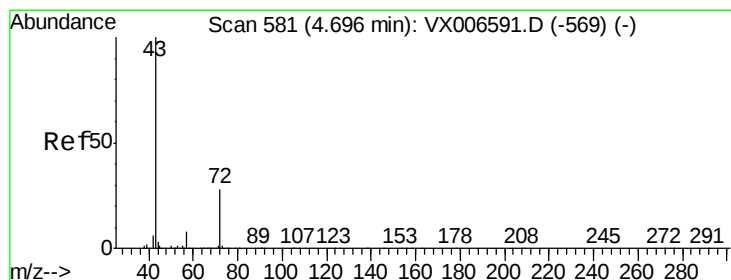
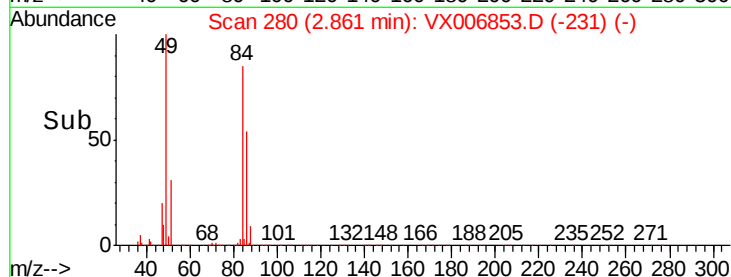
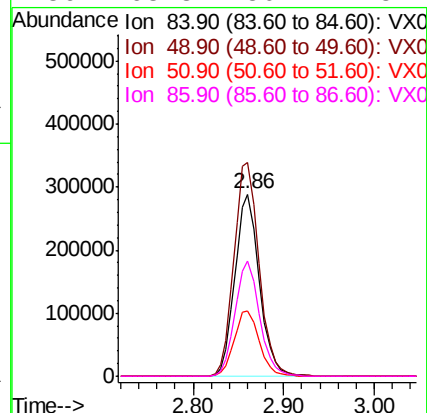
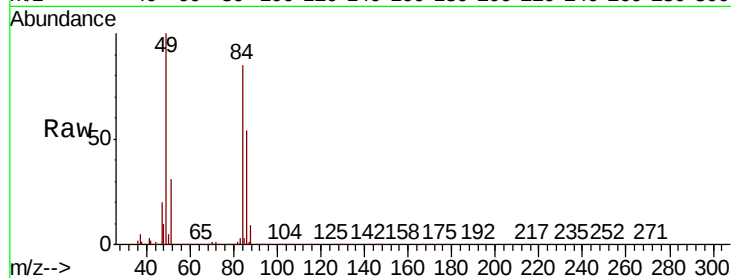




#20
Methvlene Chloride
Concen: 77.956 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

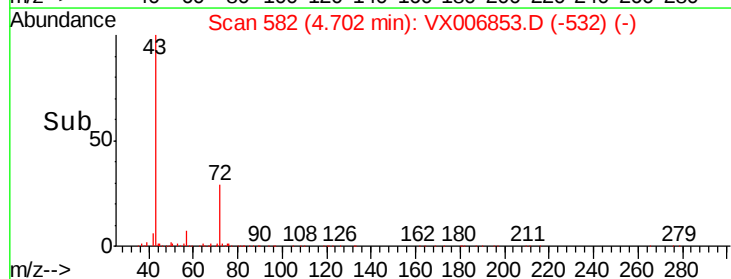
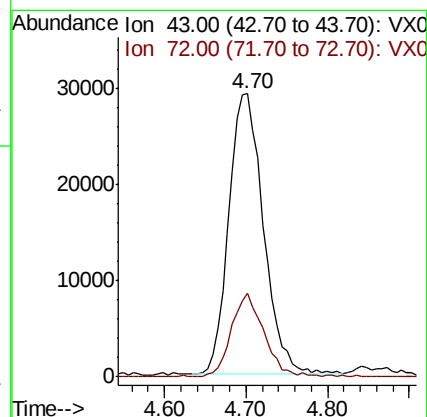
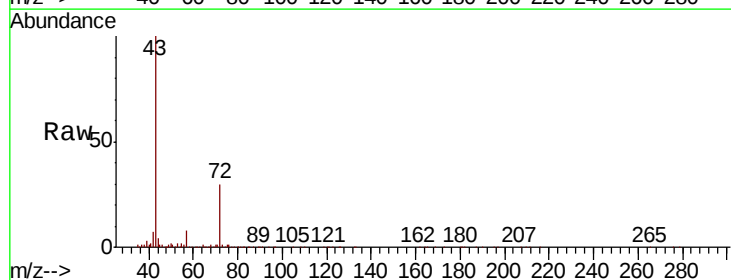
Instrument :
MSVOA_X
ClientSampleId :
ENGINE-WASH

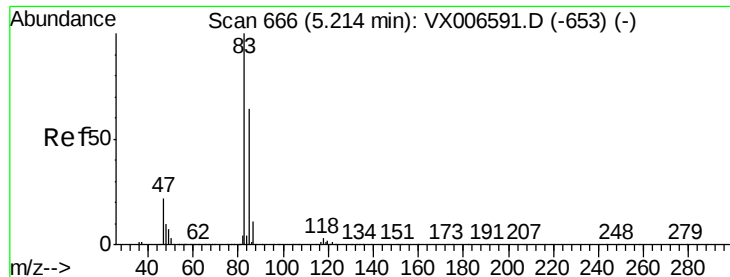
Tot Ion:	84	Resp:	541137
Ion	Ratio	Lower	Upper
84	100		
49	117.5	91.8	137.6
51	35.9	28.5	42.7
86	63.3	50.2	75.2



#25
2-Butanone
Concen: 18.151 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

Tgt Ion:	43	Resp:	85709
Ion	Ratio	Lower	Upper
43	100		
72	29.6	22.4	33.6

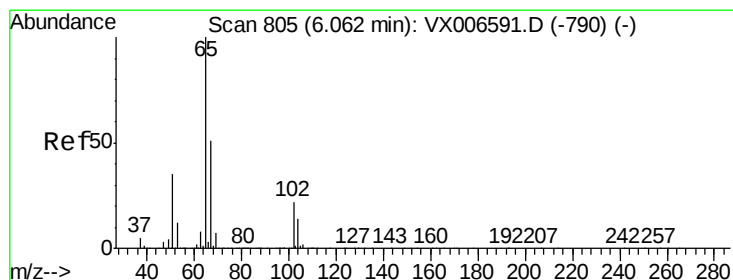
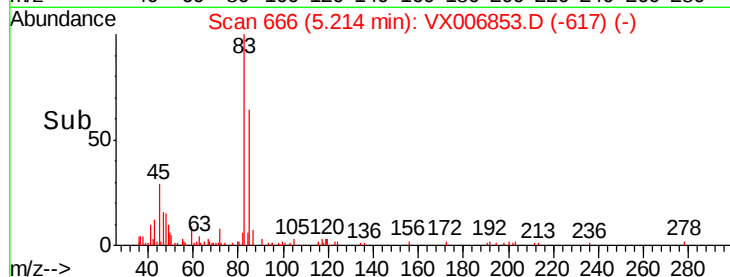
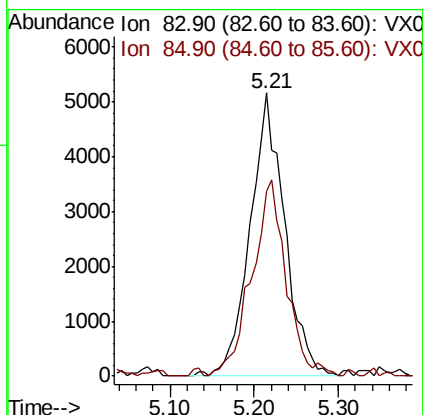
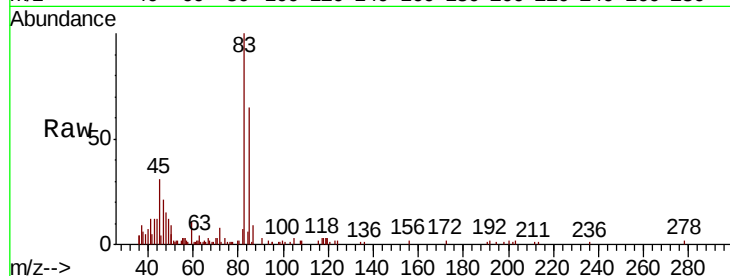




#30
Chloroform
Concen: 1.252 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

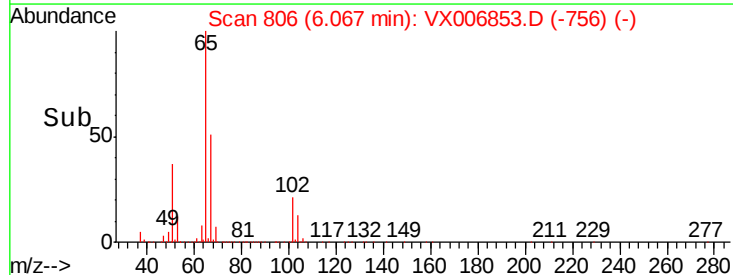
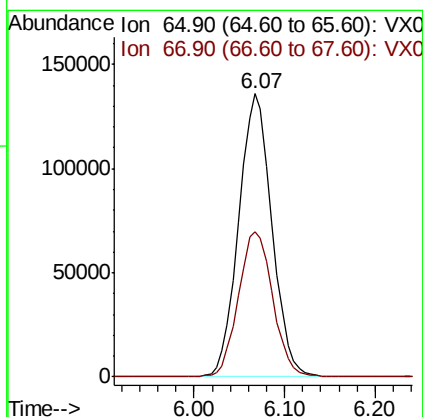
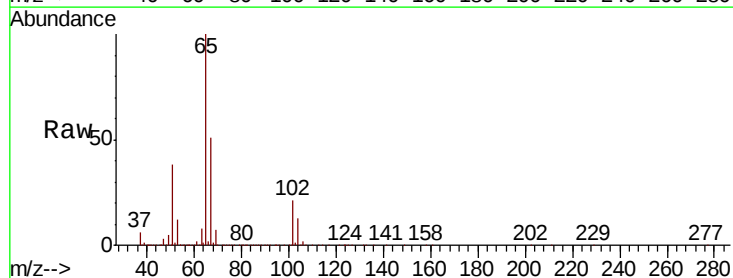
Instrument :
MSVOA_X
ClientSampleId :
ENGINE-WASH

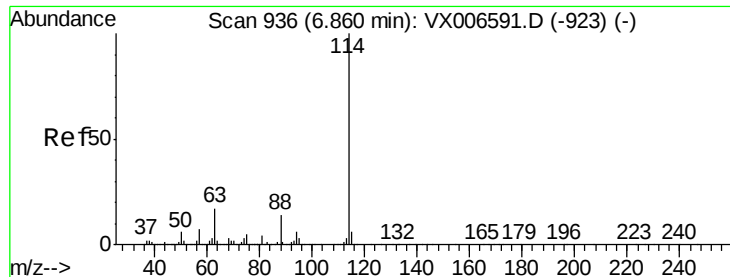
Tot Ion: 83 Resp: 14432
Ion Ratio Lower Upper
83 100
85 65.4 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 47.119 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

Tgt Ion: 65 Resp: 344286
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006853.D

Acq: 28 Dec 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

ENGINE-WASH

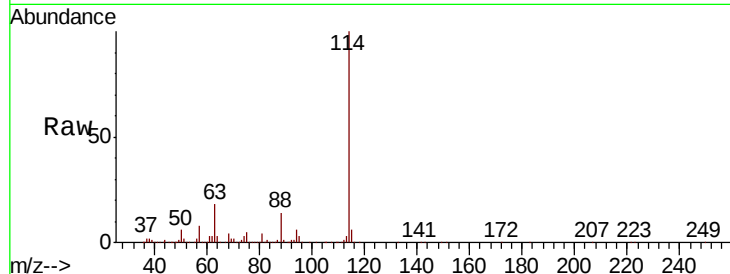
Tot Ion:114 Resp: 1005534

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

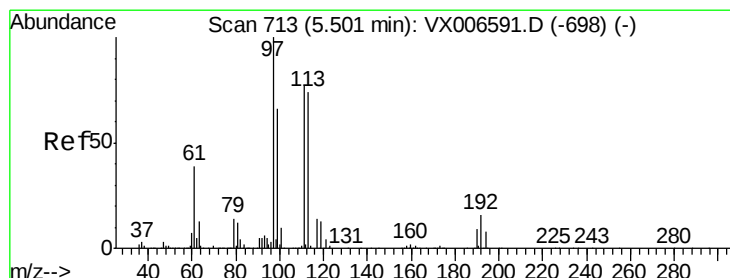
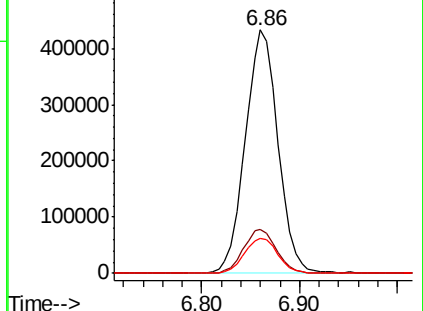
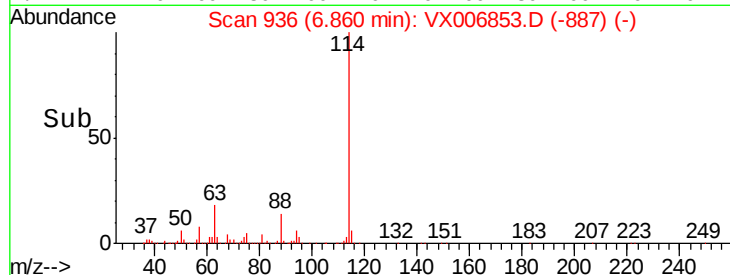
88 14.4 0.0 28.8



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: 47.794 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006853.D

Acq: 28 Dec 2018 11:40

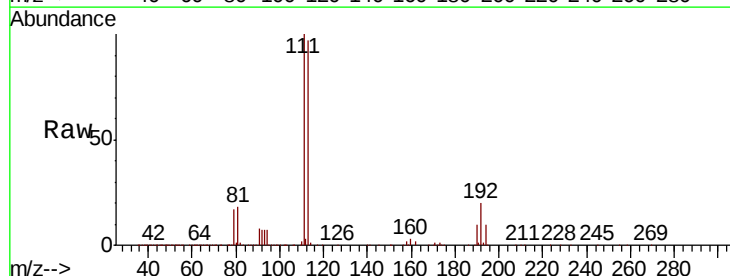
Tgt Ion:113 Resp: 303914

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

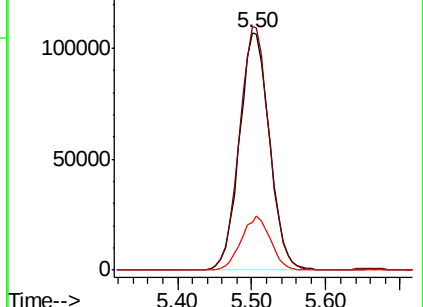
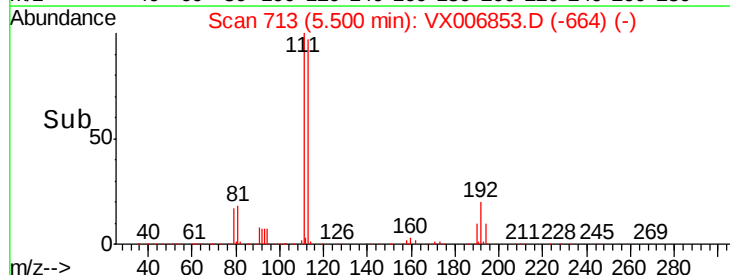
192 22.3 16.7 25.1

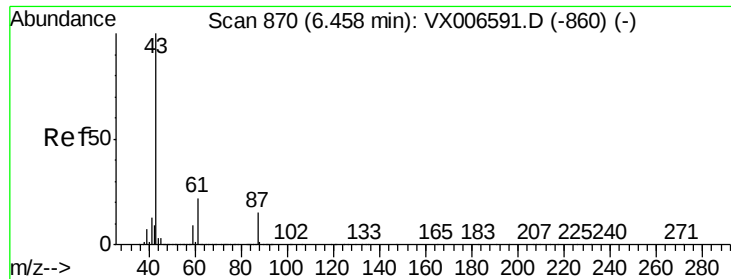


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



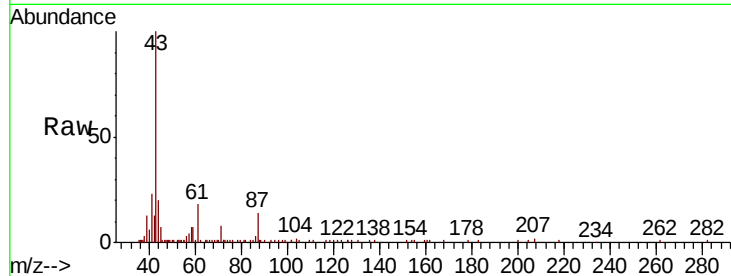


#43

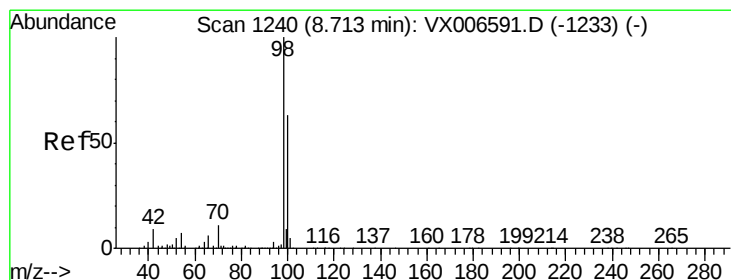
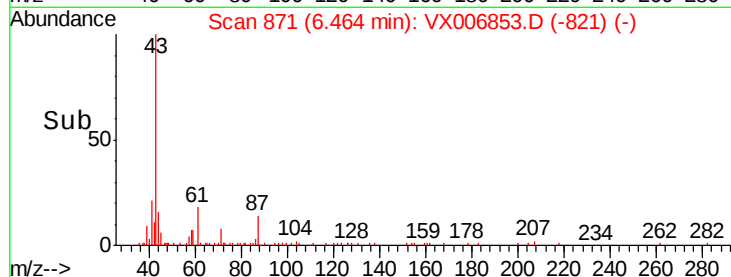
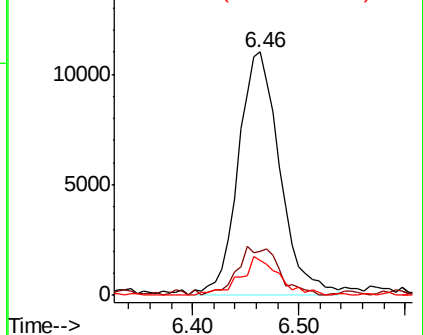
Isopropyl Acetate
 Concen: 2.297 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006853.D
 Acq: 28 Dec 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 ENGINE-WASH

Tot Ion	43	Resp	30295
Ion Ratio	Lower	Upper	
43	100		
61	19.7	16.8	25.2
87	14.5	12.4	18.6



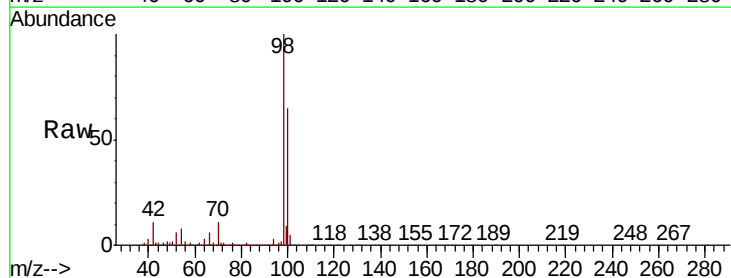
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



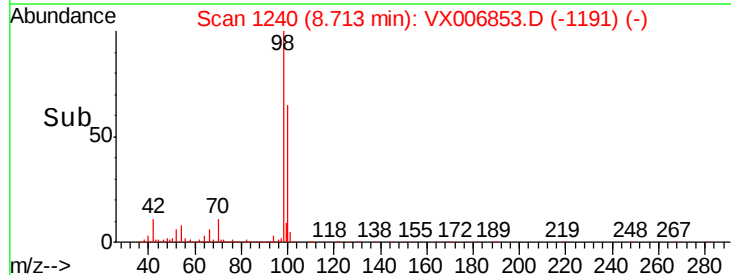
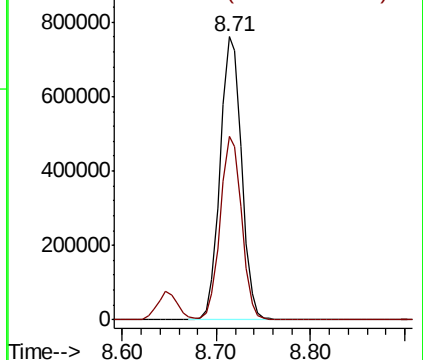
#50

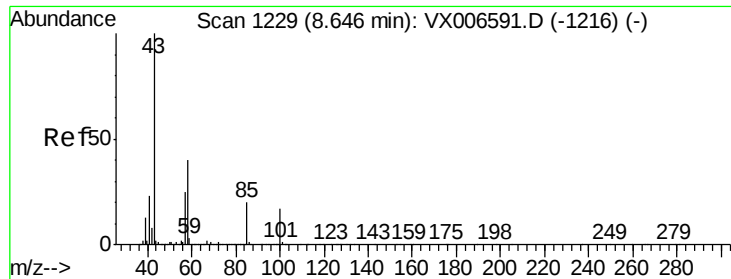
Toluene-d8
 Concen: 50.027 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX006853.D
 Acq: 28 Dec 2018 11:40

Tgt Ion	98	Resp	1199303
Ion Ratio	Lower	Upper	
98	100		
100	64.7	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

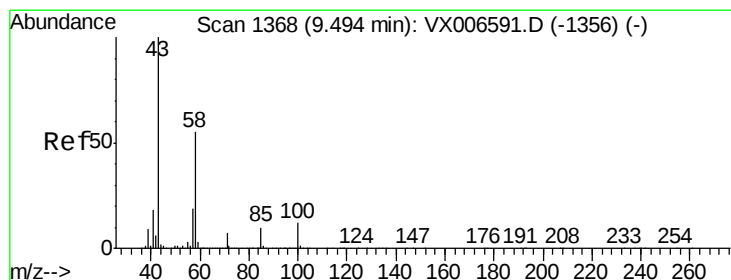
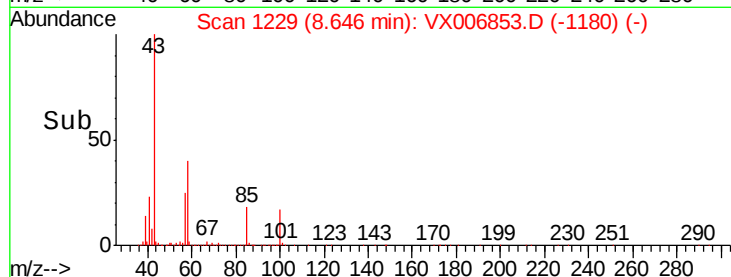
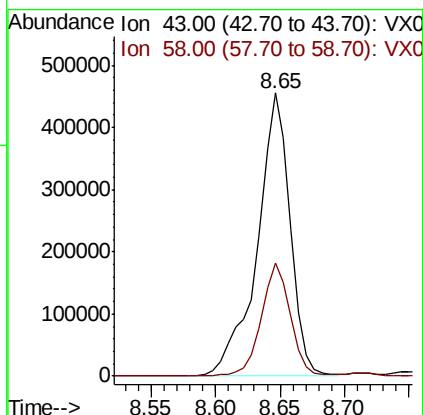
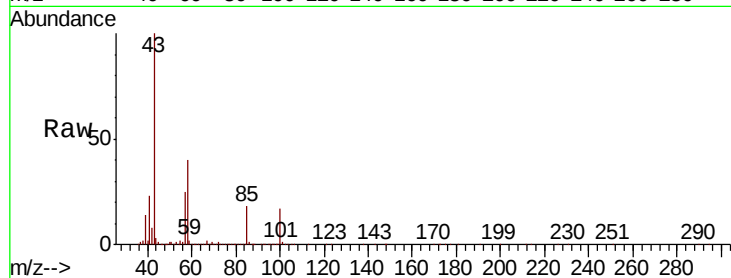




#51
4-Methyl-2-Pentanone
Concen: 95.730 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

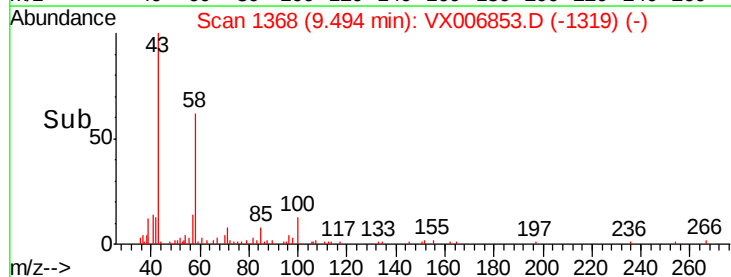
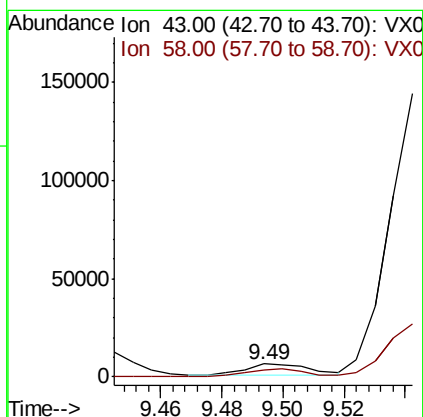
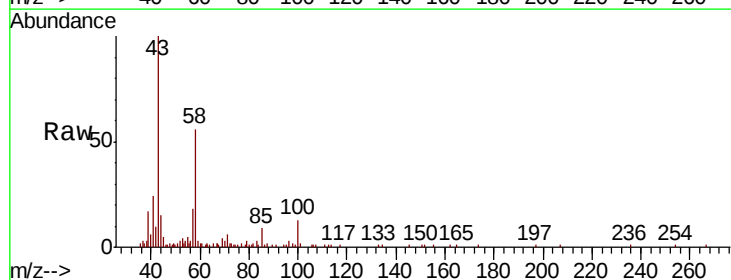
Instrument :
MSVOA_X
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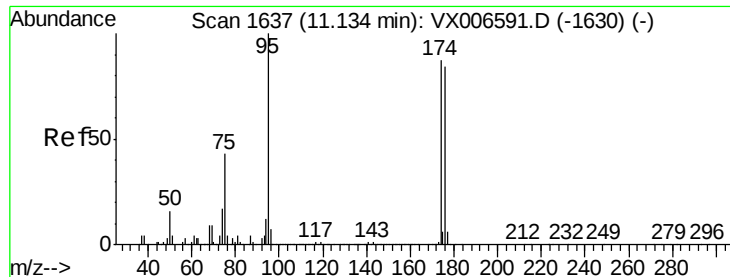
Tot Ion: 43 Resp: 803338
Ion Ratio Lower Upper
43 100
58 35.2 31.8 47.6



#59
2-Hexanone
Concen: 1.363 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006853.D
Acq: 28 Dec 2018 11:40

Tgt Ion: 43 Resp: 8754
Ion Ratio Lower Upper
43 100
58 58.3 27.7 83.1





#62

4-Bromofluorobenzene

Concen: 51.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006853.D

Acq: 28 Dec 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

ENGINE-WASH

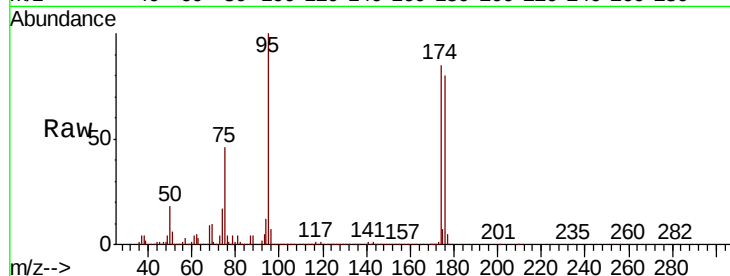
Tot Ion: 95 Resp: 448468

Ion Ratio Lower Upper

95 100

174 90.4 0.0 182.2

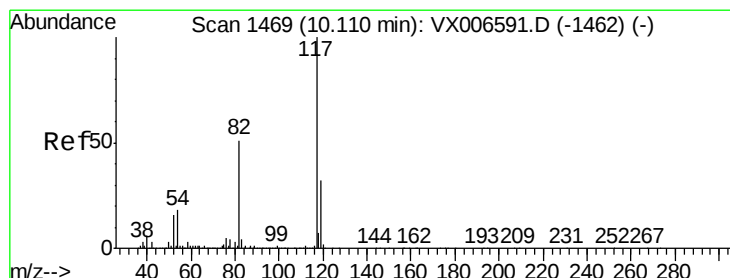
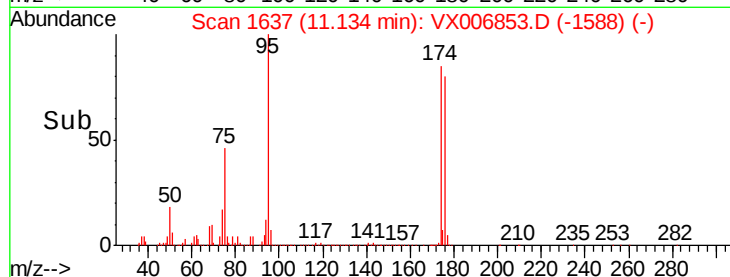
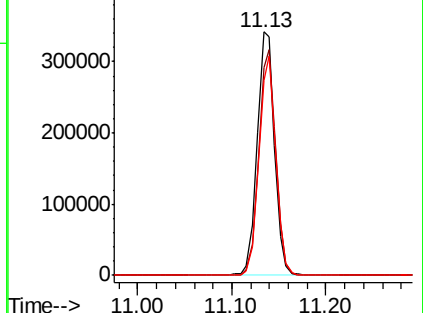
176 87.1 0.0 178.8



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006853.D

Acq: 28 Dec 2018 11:40

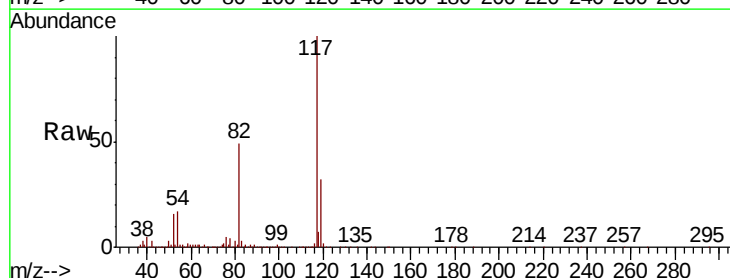
Tgt Ion: 117 Resp: 948881

Ion Ratio Lower Upper

117 100

82 49.1 41.0 61.6

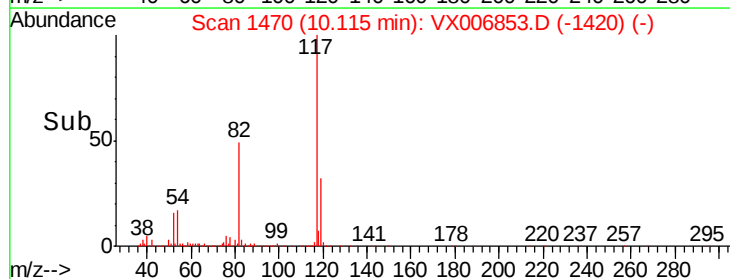
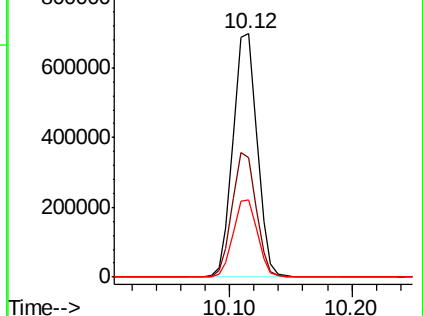
119 31.6 25.4 38.0

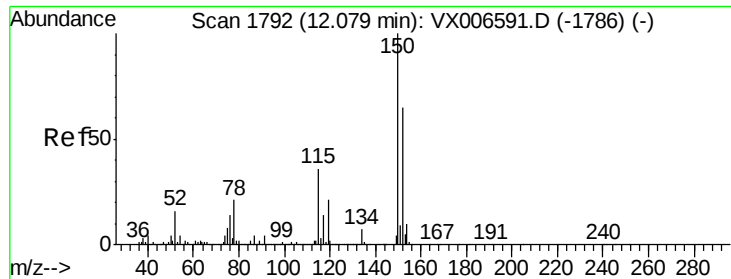


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX006853.D

Acq: 28 Dec 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

ENGINE-WASH

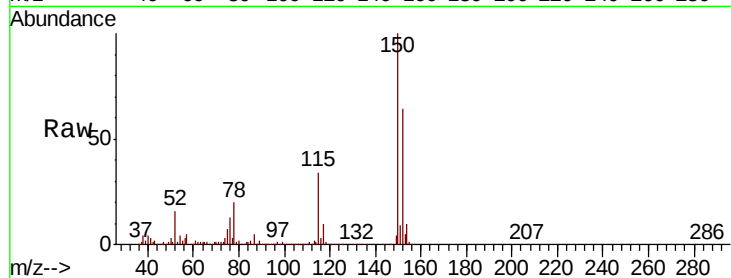
Tot Ion:152 Resp: 482210

Ion Ratio Lower Upper

152 100

115 53.6 39.1 117.2

150 157.1 0.0 344.8



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

