

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059841.D
 Acq On : 20 Aug 2018 20:08
 Operator : JC/SY
 Sample : J4542-04
 Misc : 11.26g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-024-B

Quant Time: Aug 21 05:12:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	994321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1428281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1158593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	534171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.97	65	437354	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	5.50	113	577768	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
50) Toluene-d8	8.67	98	1522633	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.90	95	575585	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

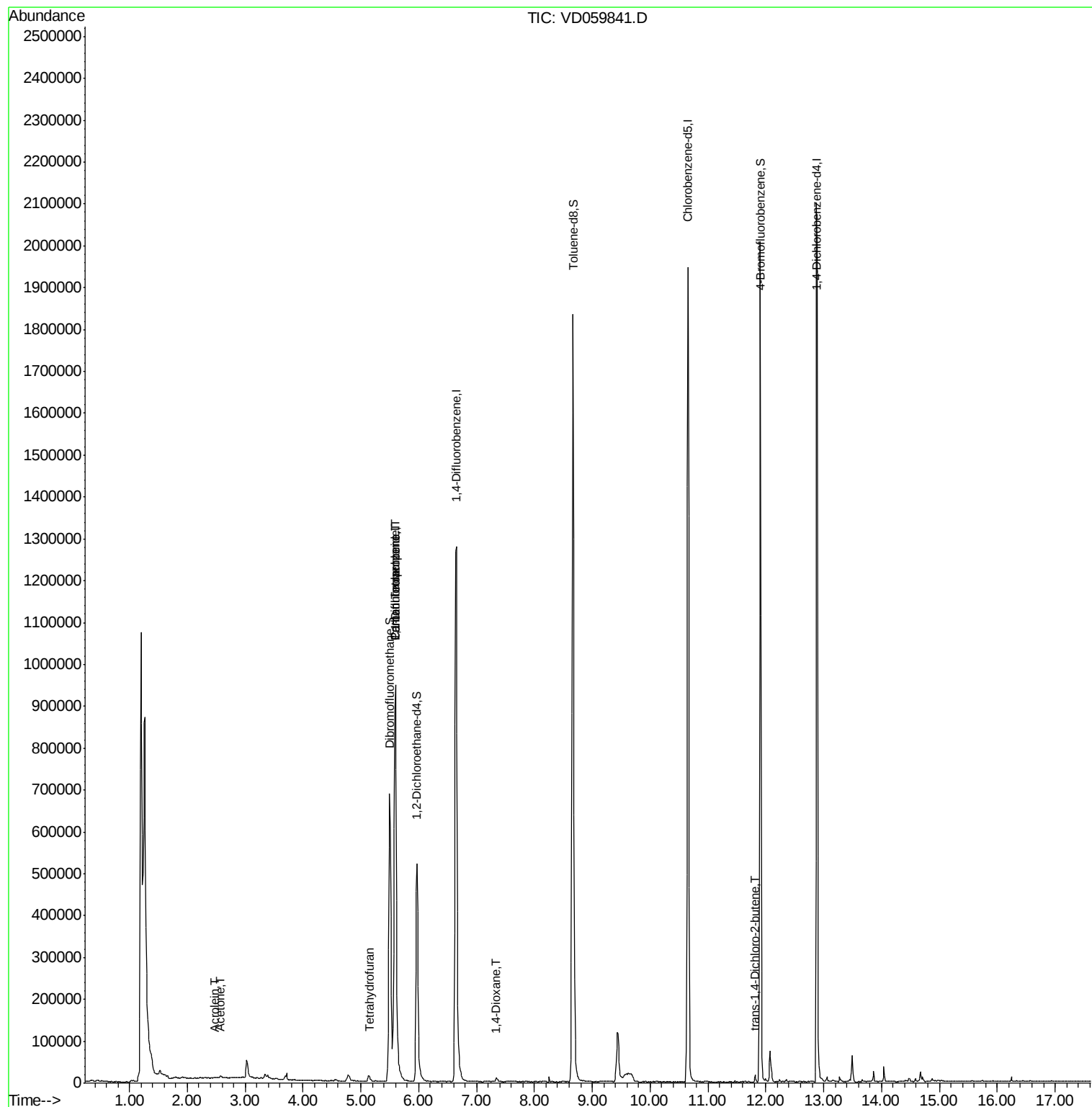
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.47	56	1364	5.581	ug/l #	27
16) Acetone	2.57	43	9144	6.856	ug/l #	90
18) Methyl Acetate	2.89	43	1329	Below Cal	#	65
20) Methylene Chloride	3.03	84	19480	Below Cal		88
29) Tetrahydrofuran	5.13	42	13909	6.814	ug/l #	88
31) Cyclohexane	5.59	56	20063	Below Cal	#	1
36) 1,1-Dichloropropene	5.59	75	70219	5.797	ug/l #	46
38) Carbon Tetrachloride	5.60	117	80262	6.639	ug/l #	15
49) 1,4-Dioxane	7.33	88	365	6.297	ug/l #	1
67) Ethyl Benzene	10.82	91	763	Below Cal	#	43
80) 1,3,5-Trimethylbenzene	12.30	105	228	Below Cal	#	30
81) trans-1,4-Dichloro-2-buten	11.81	75	7317	2.649	ug/l #	10
82) 4-Chlorotoluene	12.30	91	1263	Below Cal	#	48
89) n-Butylbenzene	13.17	91	856	Below Cal	#	67
91) 1,2-Dichlorobenzene	13.16	146	621	Below Cal	#	25

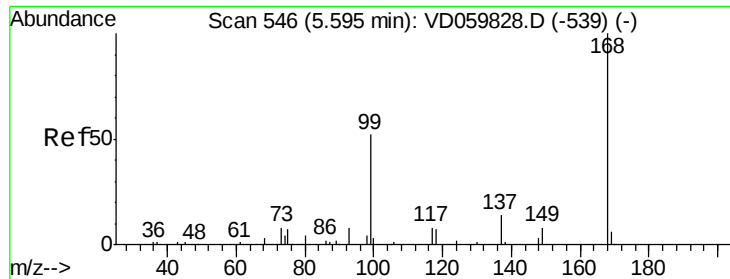
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleId :

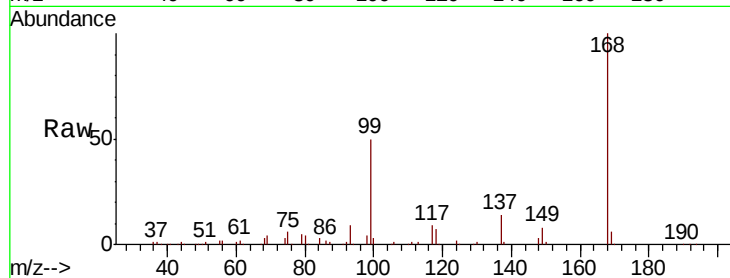
FK-GF-02-024-B

Tgt Ion:168 Resp: 994321

Ion Ratio Lower Upper

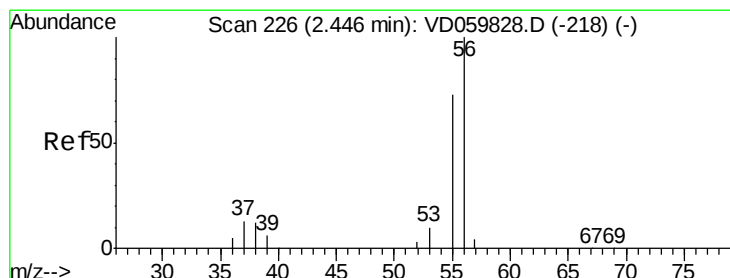
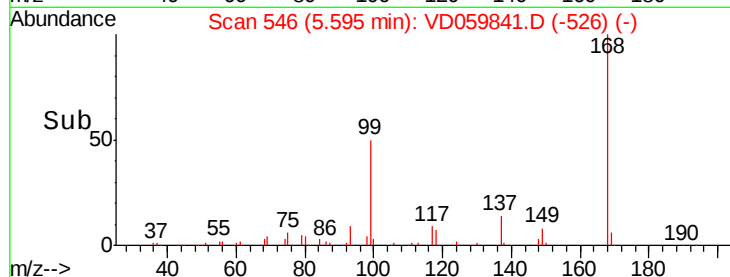
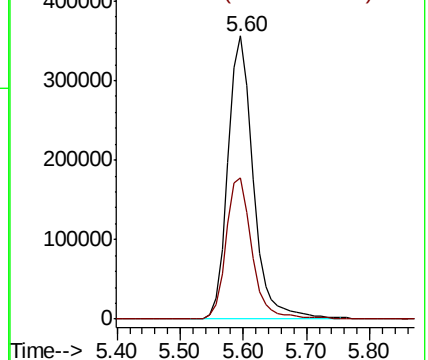
168 100

99 50.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 5.581 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD059841.D

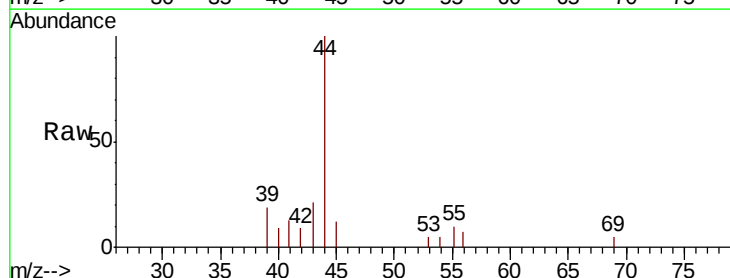
Acq: 20 Aug 2018 20:08

Tgt Ion: 56 Resp: 1364

Ion Ratio Lower Upper

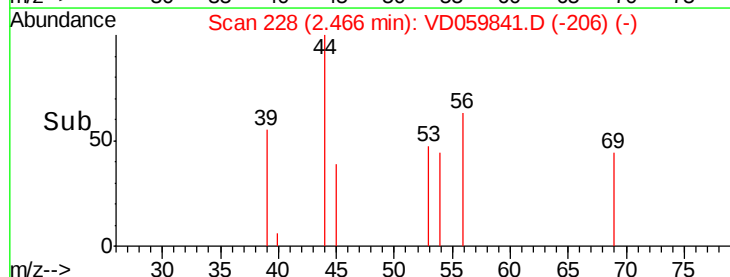
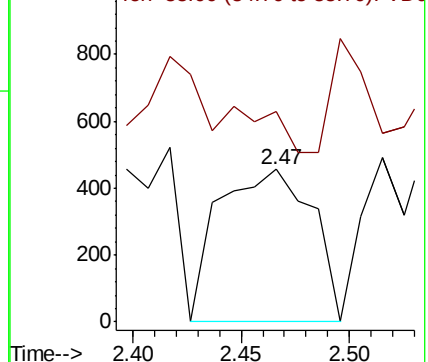
56 100

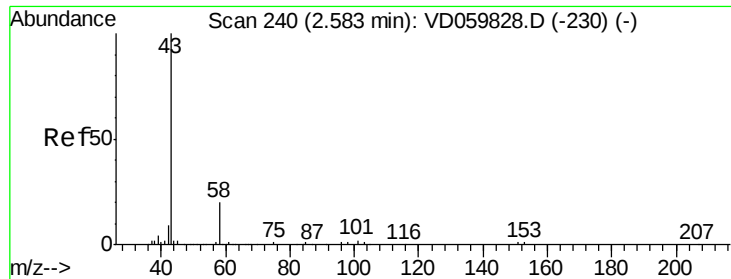
55 138.1 60.4 90.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 6.856 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleId :

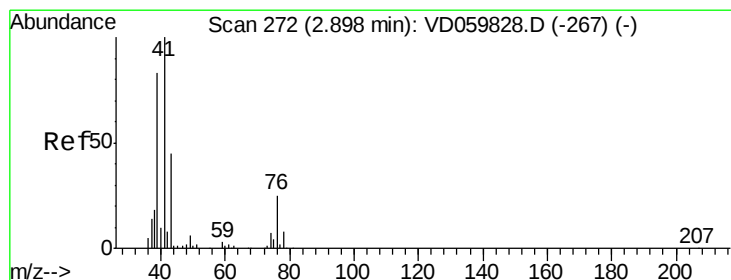
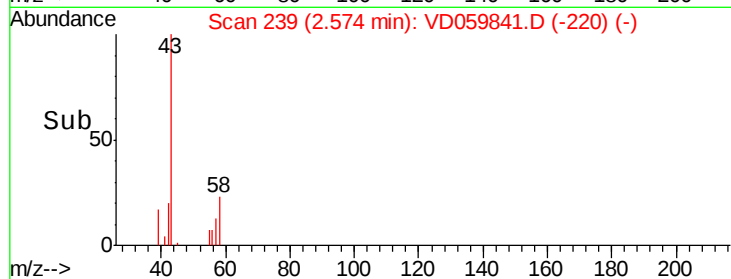
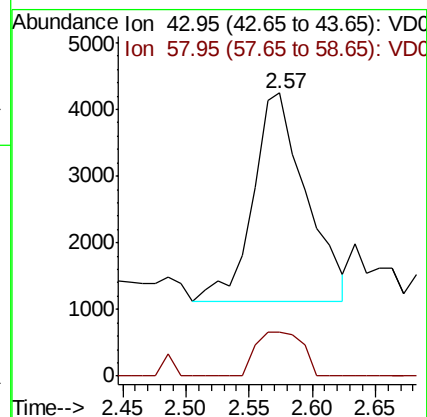
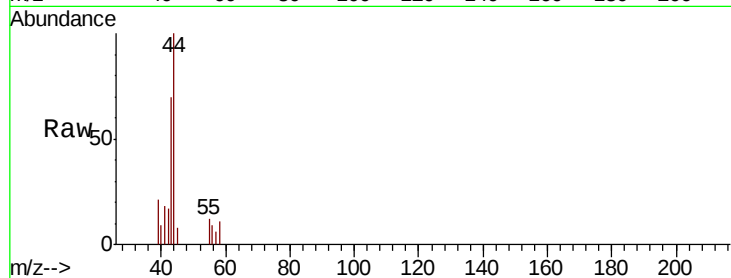
FK-GF-02-024-B

Tgt Ion: 43 Resp: 9144

Ion Ratio Lower Upper

43 100

58 15.7 16.2 24.2#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.89 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD059841.D

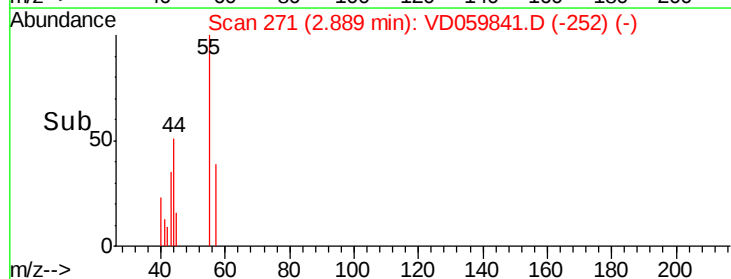
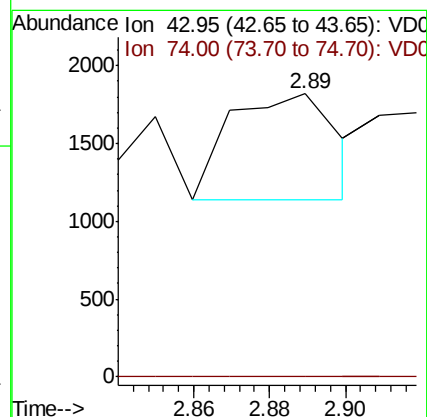
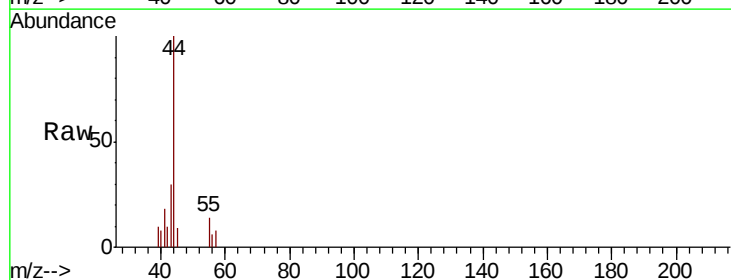
Acq: 20 Aug 2018 20:08

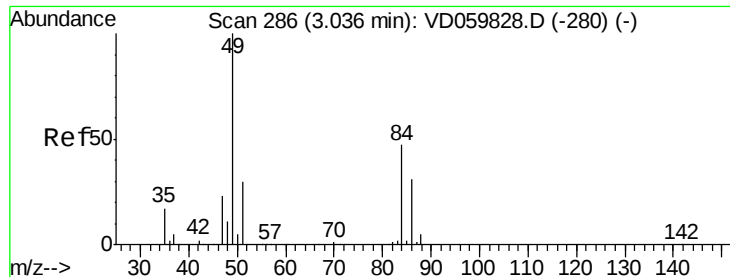
Tgt Ion: 43 Resp: 1329

Ion Ratio Lower Upper

43 100

74 0.0 11.4 17.0#

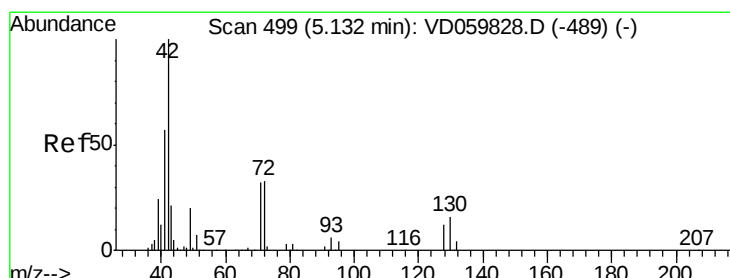
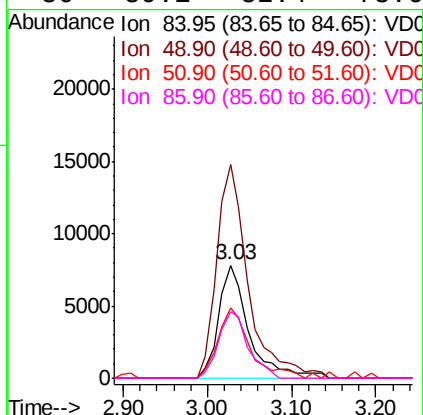
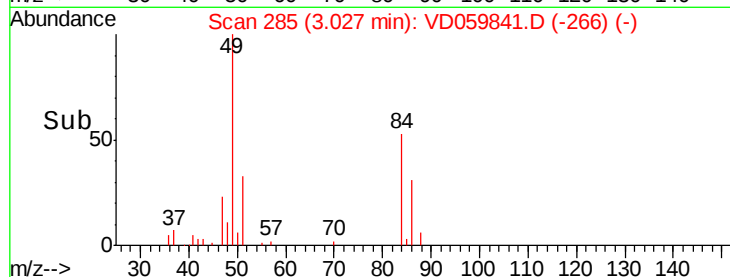
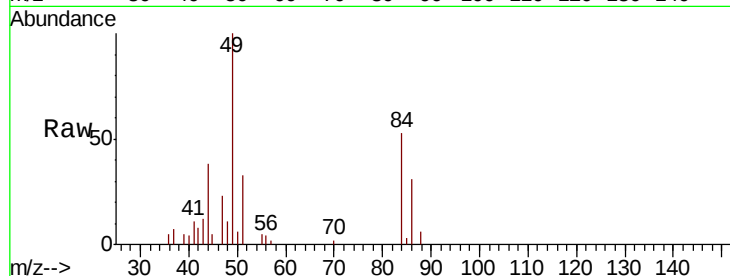




#20
Methylene Chloride
Concen: Below Cal
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059841.D
Acq: 20 Aug 2018 20:08

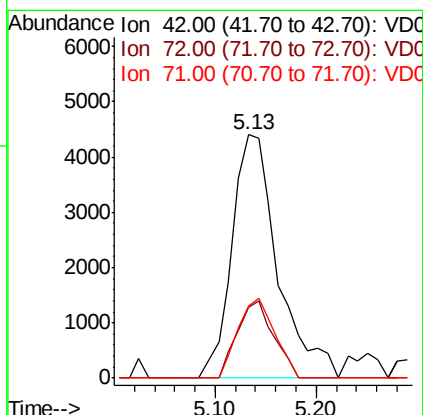
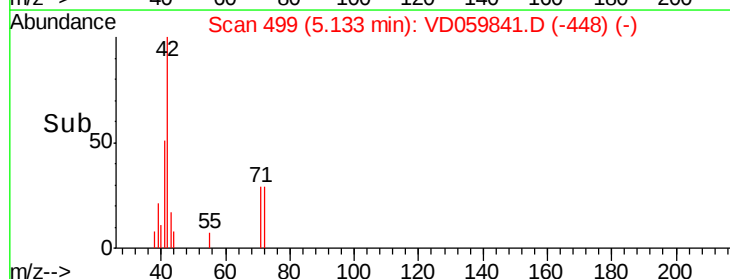
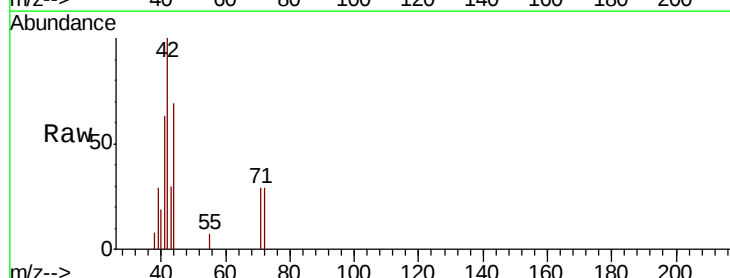
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-024-B

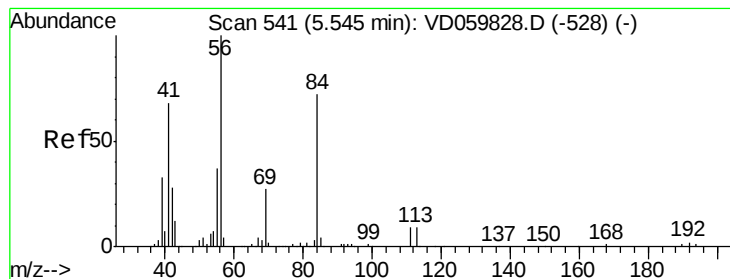
Tgt Ion: 84 Resp: 19480
Ion Ratio Lower Upper
84 100
49 188.8 170.4 255.6
51 62.0 51.4 77.0
86 59.1 52.4 78.6



#29
Tetrahydrofuran
Concen: 6.814 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059841.D
Acq: 20 Aug 2018 20:08

Tgt Ion: 42 Resp: 13909
Ion Ratio Lower Upper
42 100
72 25.2 25.8 38.6#
71 26.2 25.7 38.5





#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 545

Delta R.T. 0.04 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-B

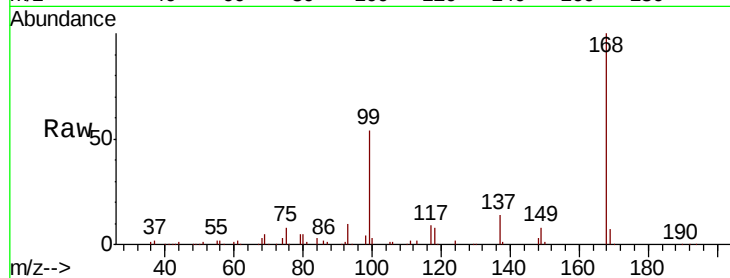
Tgt Ion: 56 Resp: 20063

Ion Ratio Lower Upper

56 100

69 212.9 21.7 32.5#

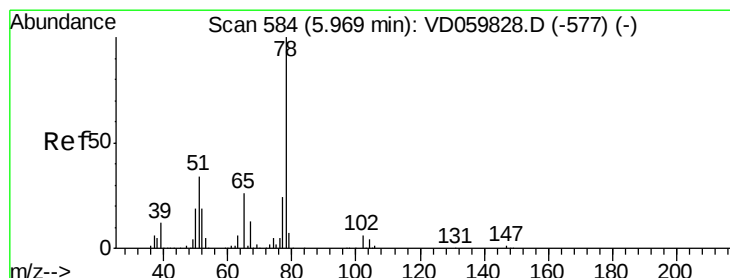
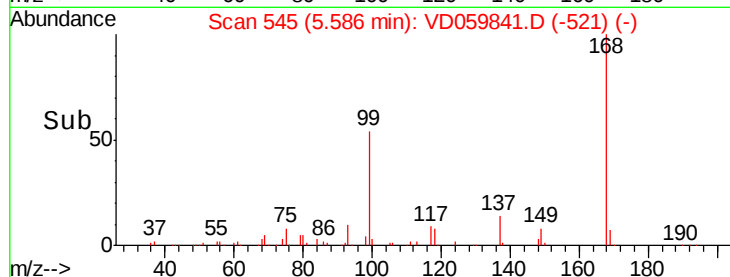
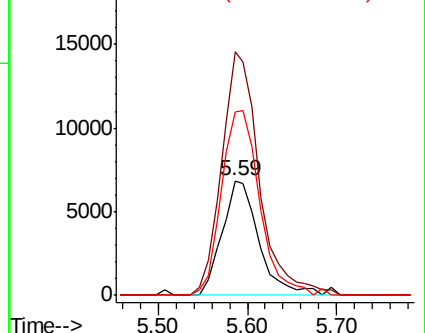
84 160.2 57.8 86.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059841.D

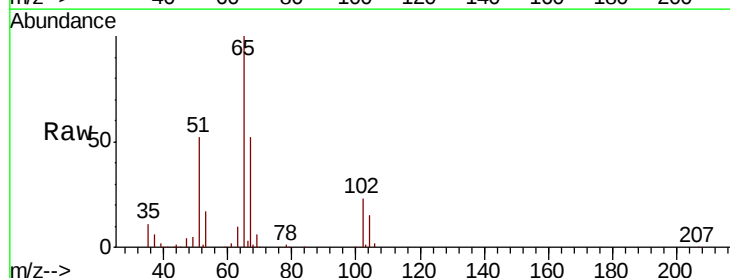
Acq: 20 Aug 2018 20:08

Tgt Ion: 65 Resp: 437354

Ion Ratio Lower Upper

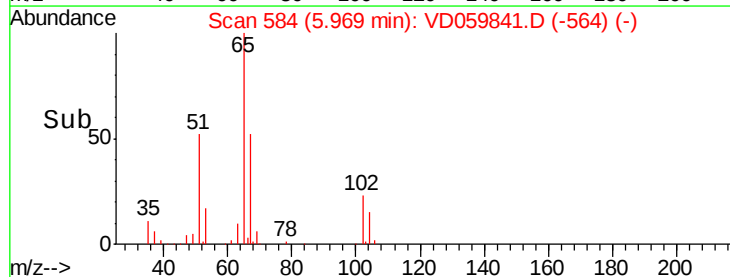
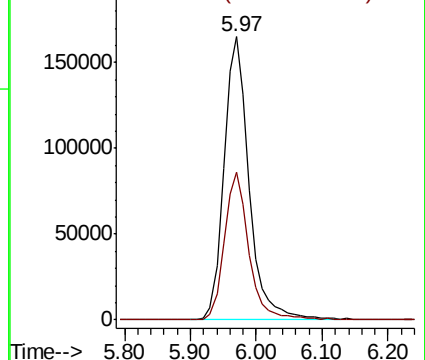
65 100

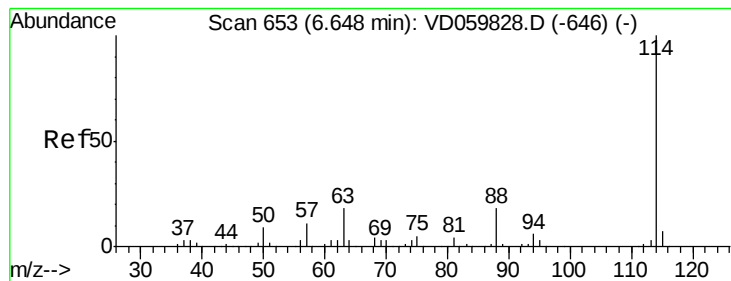
67 52.3 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-B

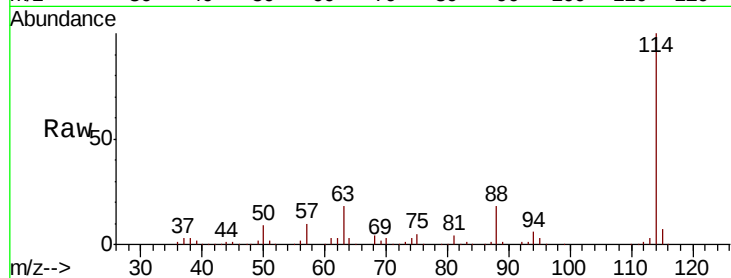
Tgt Ion:114 Resp: 1428281

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.0

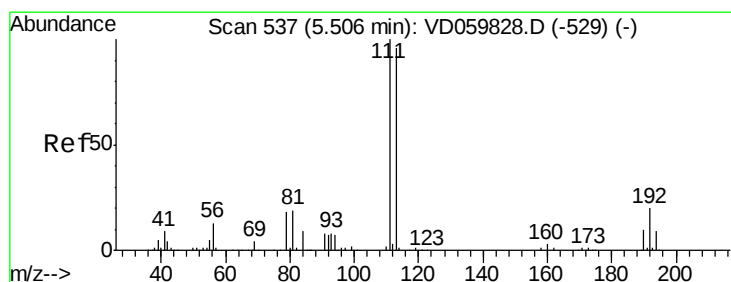
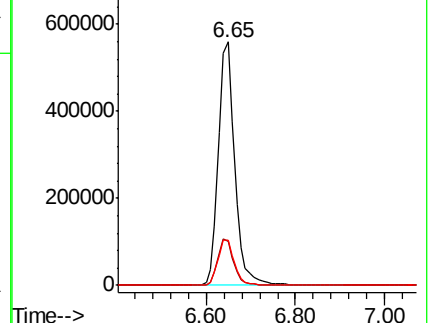
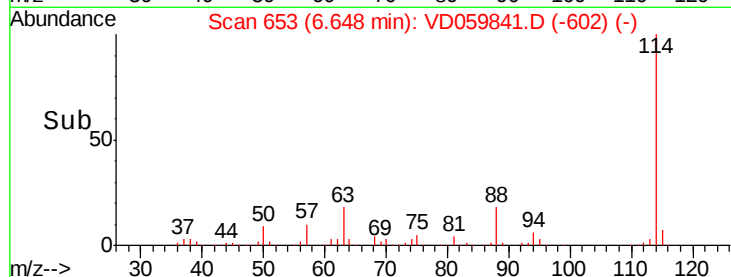
88 18.4 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

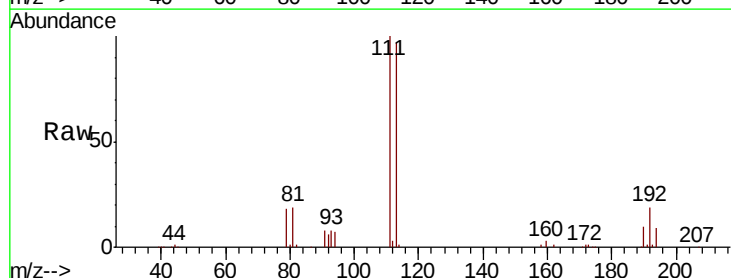
Tgt Ion:113 Resp: 577768

Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

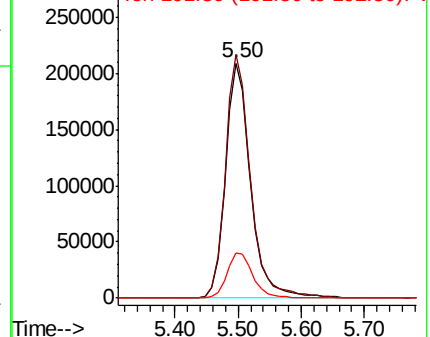
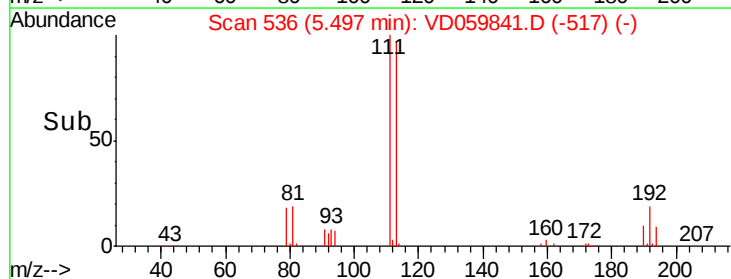
192 19.5 16.8 25.2

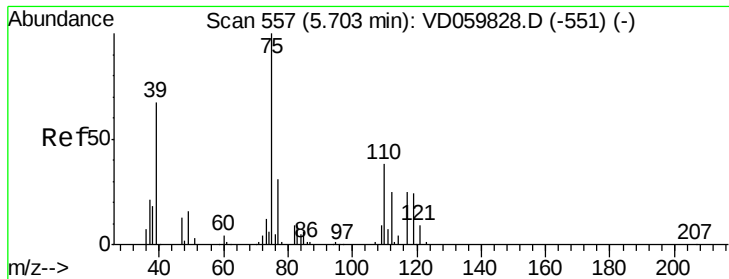


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

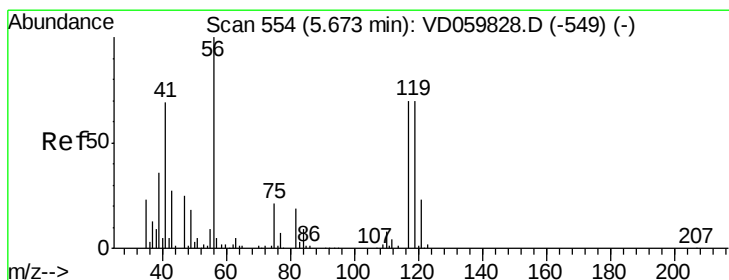
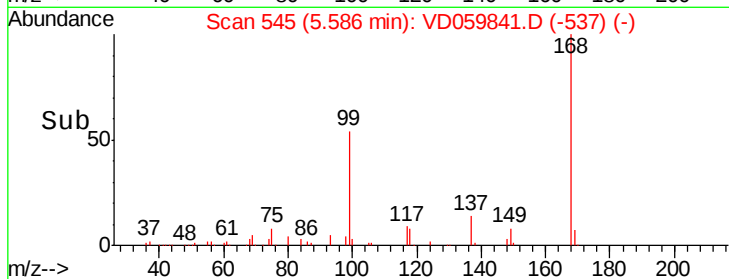
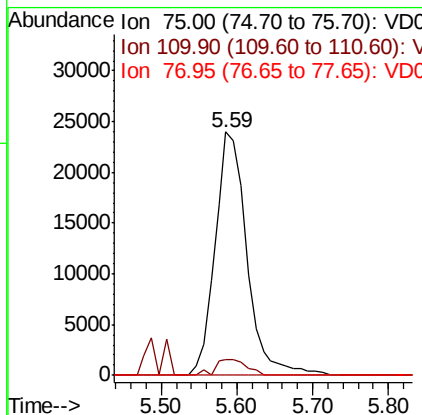
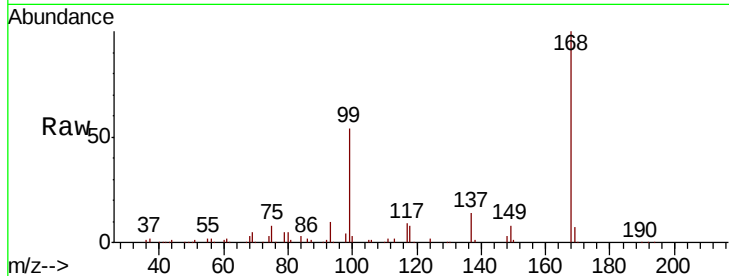




#36
 1,1-Dichloropropene
 Concen: 5.797 ug/l
 RT: 5.59 min Scan# 545
 Delta R.T. -0.12 min
 Lab File: VD059841.D
 Acq: 20 Aug 2018 20:08

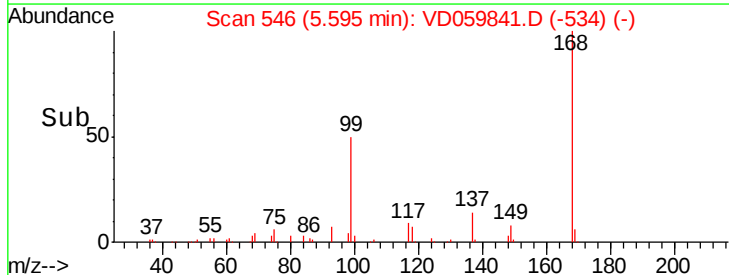
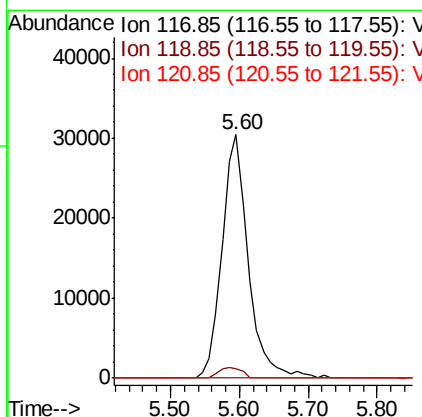
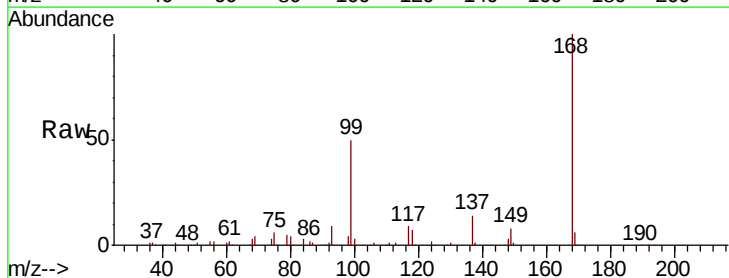
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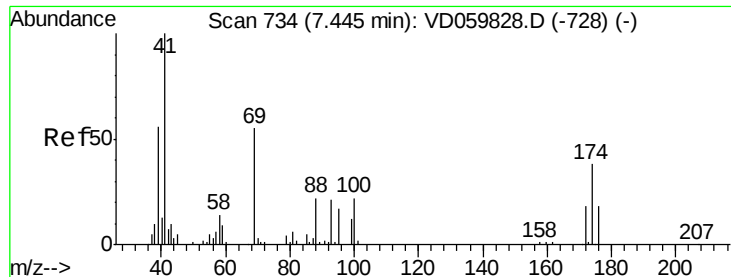
Tgt Ion: 75 Resp: 70219
 Ion Ratio Lower Upper
 75 100
 110 6.5 18.8 56.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.639 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. -0.08 min
 Lab File: VD059841.D
 Acq: 20 Aug 2018 20:08

Tgt Ion: 117 Resp: 80262
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.0 115.4#
 121 0.0 24.7 37.1#

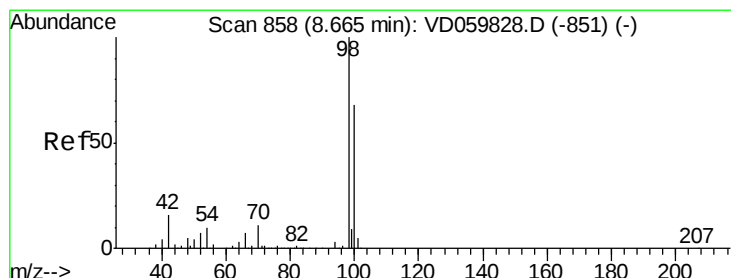
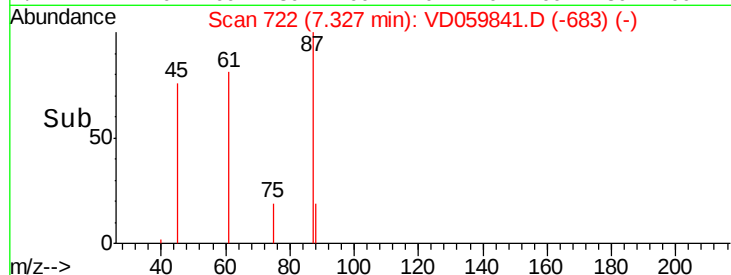
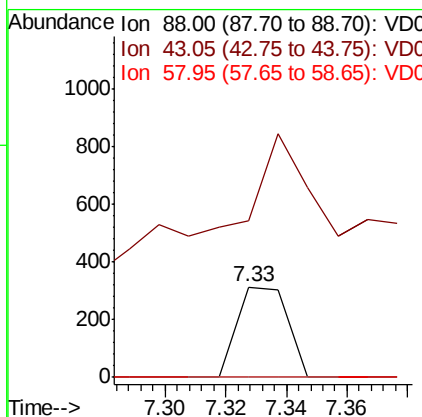
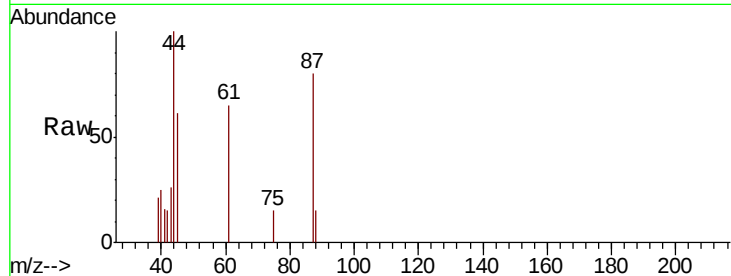




#49
 1,4-Dioxane
 Concen: 6.297 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.12 min
 Lab File: VD059841.D
 Acq: 20 Aug 2018 20:08

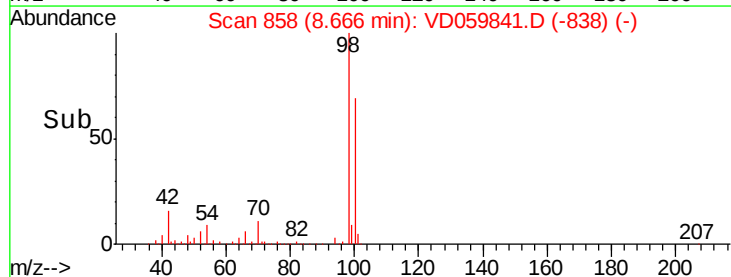
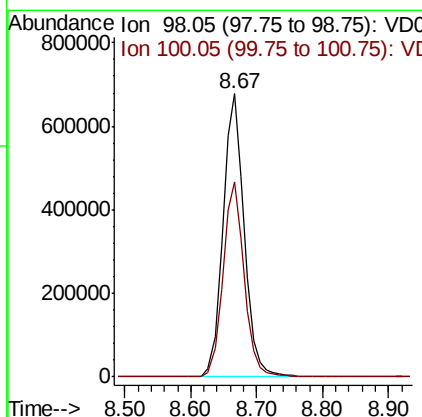
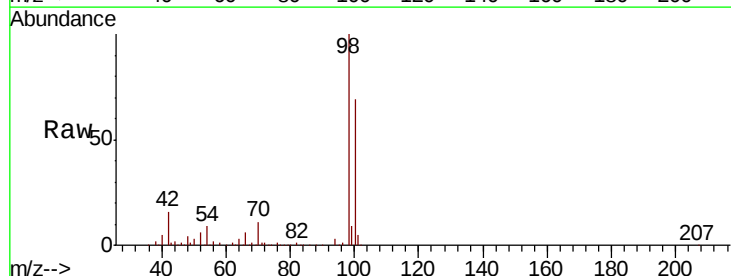
Instrument :
 MSVOA_D
 ClientSampleID :
 FK-GF-02-024-B

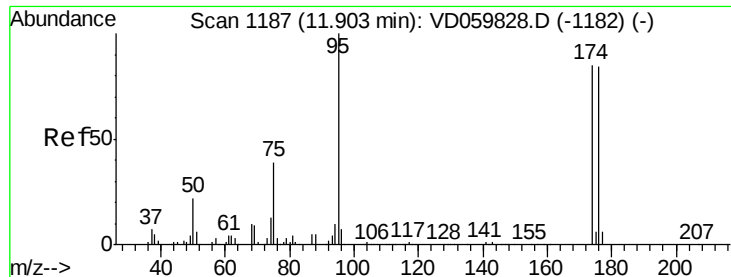
Tgt Ion: 88 Resp: 365
 Ion Ratio Lower Upper
 88 100
 43 172.1 41.4 62.0#
 58 0.0 52.4 78.6#



#50
 Toluene-d8
 Concen: 6.297 ug/l
 RT: 8.67 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD059841.D
 Acq: 20 Aug 2018 20:08

Tgt Ion: 98 Resp: 1522633
 Ion Ratio Lower Upper
 98 100
 100 68.8 55.0 82.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-B

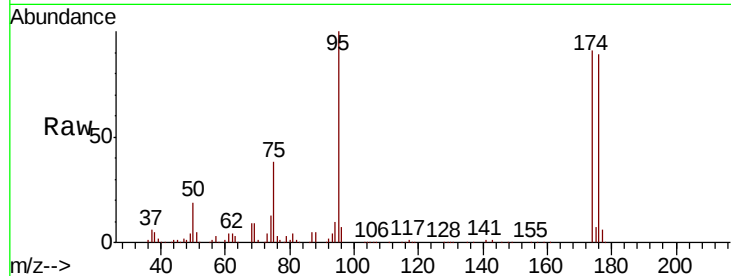
Tgt Ion: 95 Resp: 575585

Ion Ratio Lower Upper

95 100

174 91.4 0.0 169.2

176 89.0 0.0 168.0

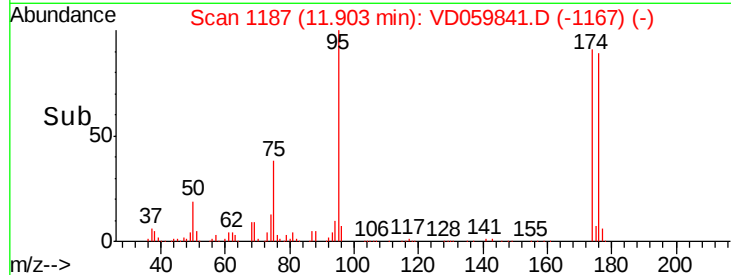


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



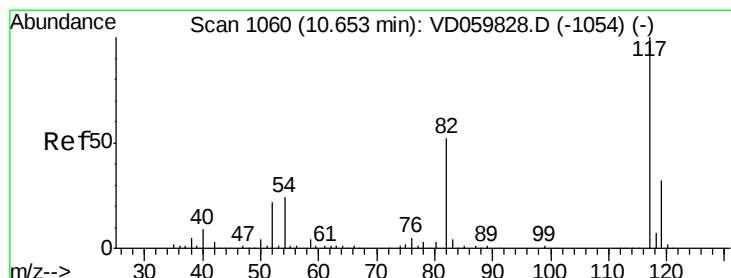
Abundance

Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.65 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

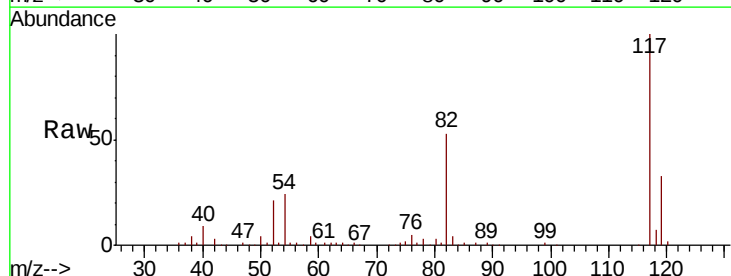
Tgt Ion: 117 Resp: 1158593

Ion Ratio Lower Upper

117 100

82 52.9 41.6 62.4

119 32.6 25.6 38.4

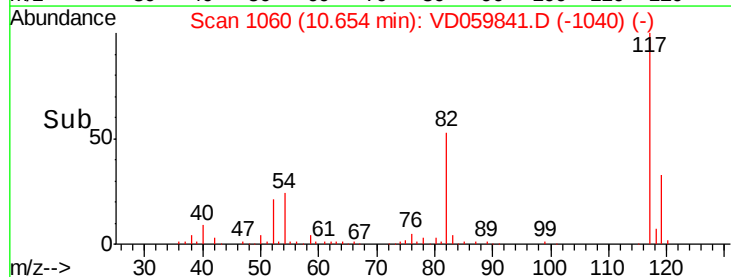


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



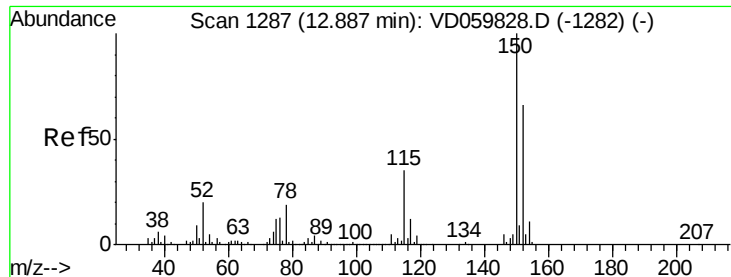
Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

Instrument :

MSVOA_D

ClientSampleID :

FK-GF-02-024-B

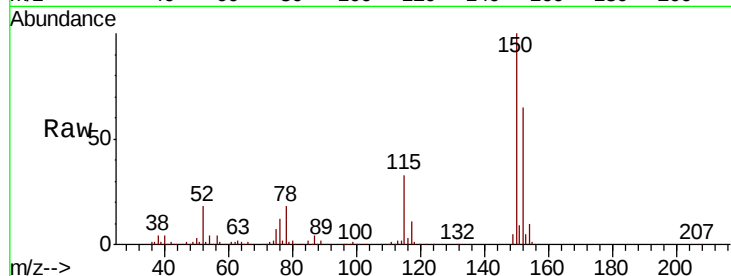
Tgt Ion:152 Resp: 534171

Ion Ratio Lower Upper

152 100

115 50.2 26.9 80.6

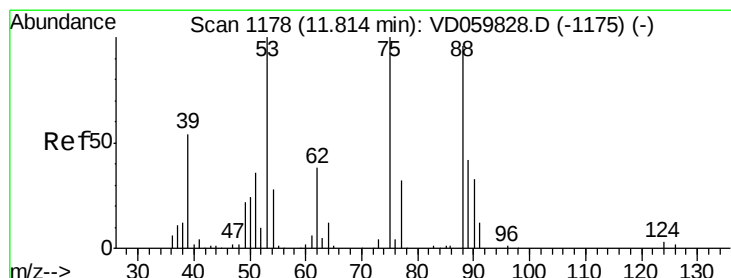
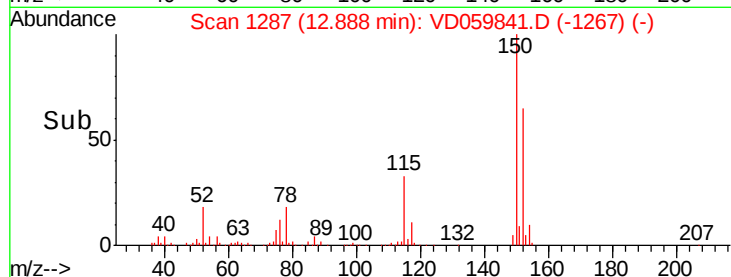
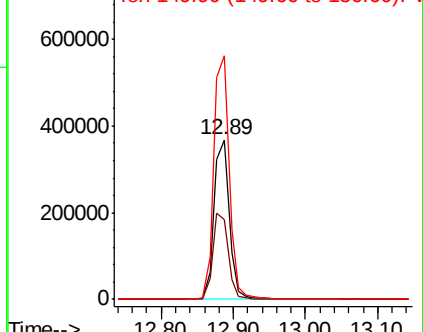
150 153.0 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 2.649 ug/l

RT: 11.81 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VD059841.D

Acq: 20 Aug 2018 20:08

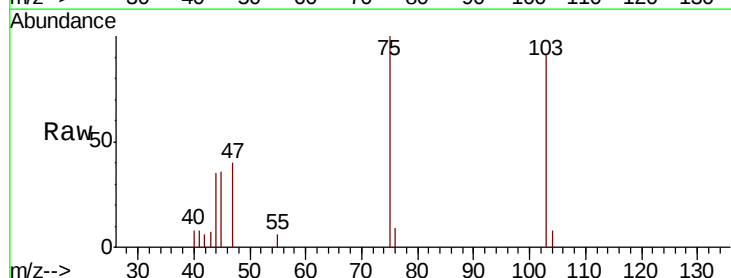
Tgt Ion: 75 Resp: 7317

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

