

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059836.D
 Acq On : 20 Aug 2018 17:46
 Operator : JC/SY
 Sample : J4531-02
 Misc : 9.42g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-036

Quant Time: Aug 21 05:10:50 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	904940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1308585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	936756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	337610	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	376031	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
35) Dibromofluoromethane	5.50	113	523677	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
50) Toluene-d8	8.67	98	1356930	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.90	95	411843	41.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.24%	

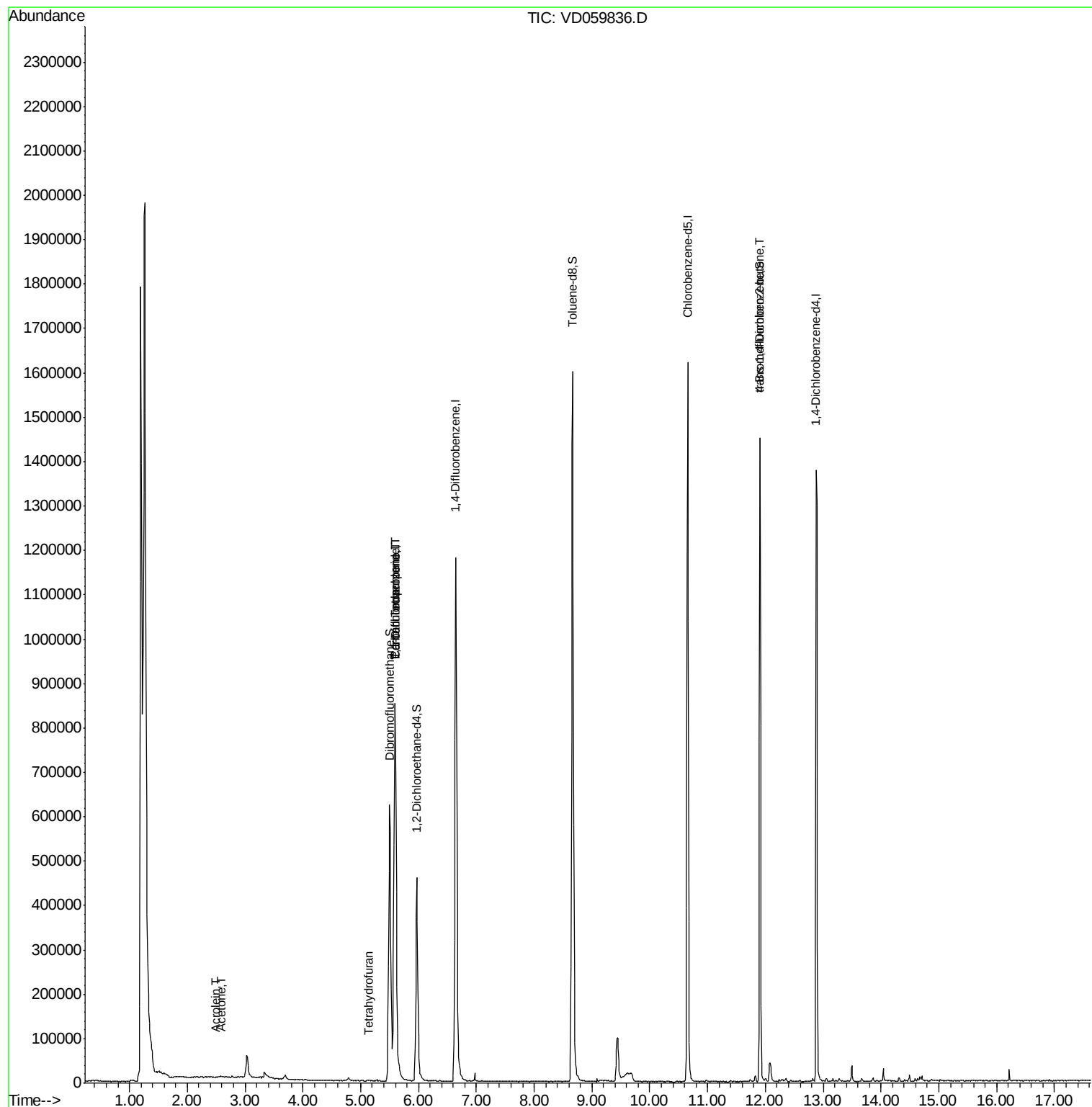
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.49	56	741	3.764	ug/l #	36
16) Acetone	2.57	43	1793	1.477	ug/l #	91
18) Methyl Acetate	2.87	43	1156	Below Cal	#	65
20) Methylene Chloride	3.04	84	21887	Below Cal		87
29) Tetrahydrofuran	5.14	42	3660	1.970	ug/l #	47
31) Cyclohexane	5.59	56	18822	Below Cal	#	1
36) 1,1-Dichloropropene	5.60	75	62269	5.611	ug/l #	48
38) Carbon Tetrachloride	5.60	117	75471	6.814	ug/l #	16
67) Ethyl Benzene	10.83	91	1561	Below Cal	#	43
80) 1,3,5-Trimethylbenzene	12.30	105	656	Below Cal		100
81) trans-1,4-Dichloro-2-buten	11.90	75	159088	91.114	ug/l #	10
82) 4-Chlorotoluene	12.30	91	2624	Below Cal		97
89) n-Butylbenzene	13.17	91	1531	Below Cal	#	79
91) 1,2-Dichlorobenzene	13.17	146	1455	Below Cal		88

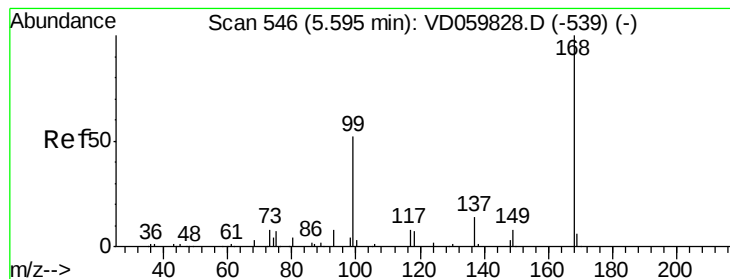
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

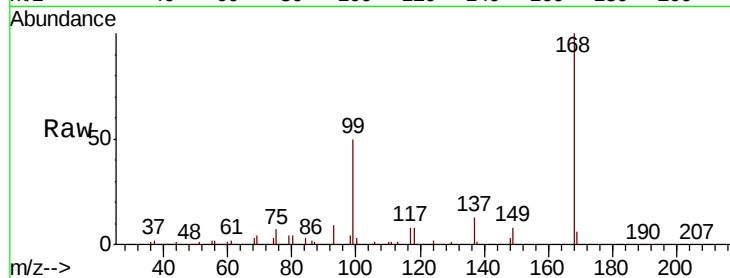
FK-PS-01-036

Tgt Ion:168 Resp: 904940

Ion Ratio Lower Upper

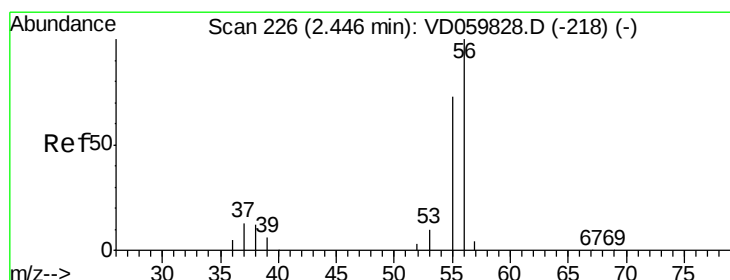
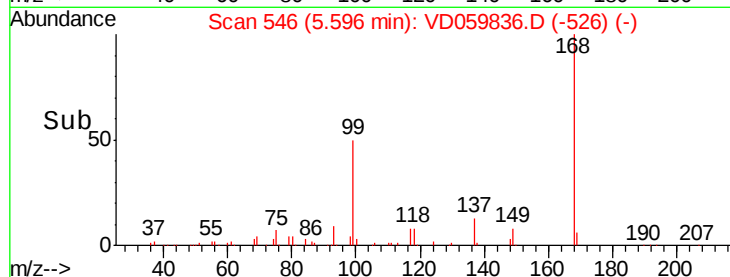
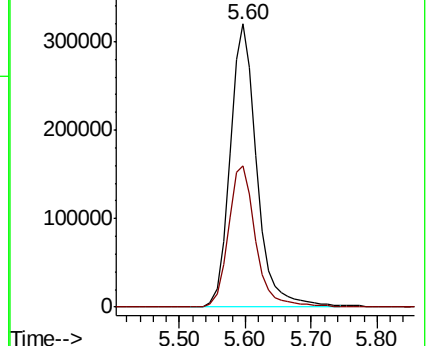
168 100

99 49.9 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: 3.764 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.04 min

Lab File: VD059836.D

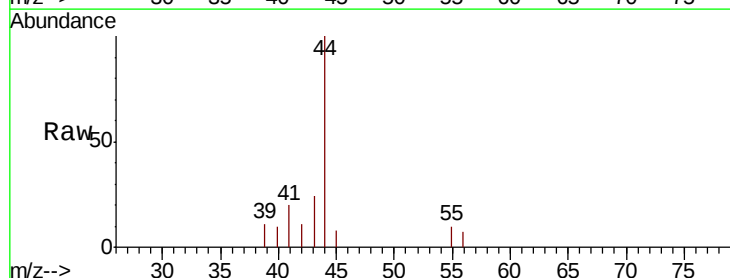
Acq: 20 Aug 2018 17:46

Tgt Ion: 56 Resp: 741

Ion Ratio Lower Upper

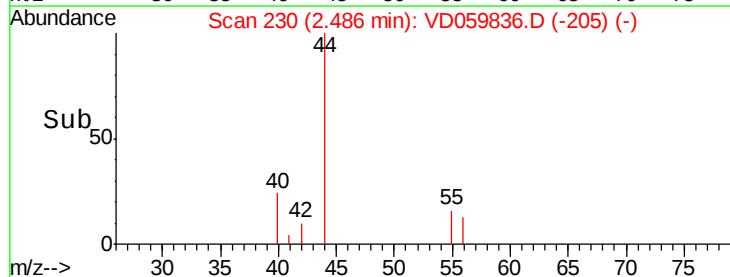
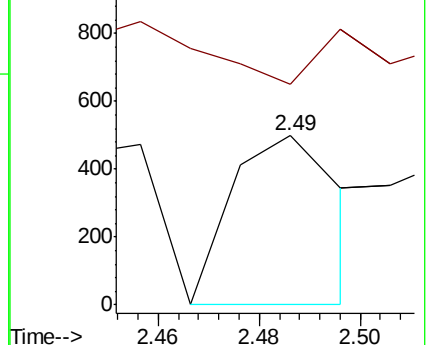
56 100

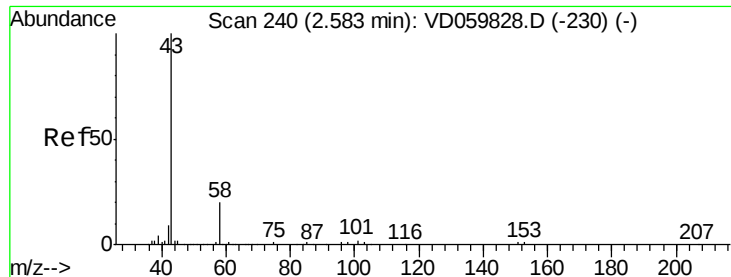
55 130.3 60.4 90.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.477 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

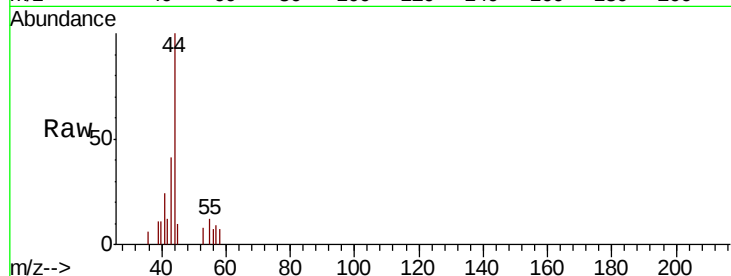
FK-PS-01-036

Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

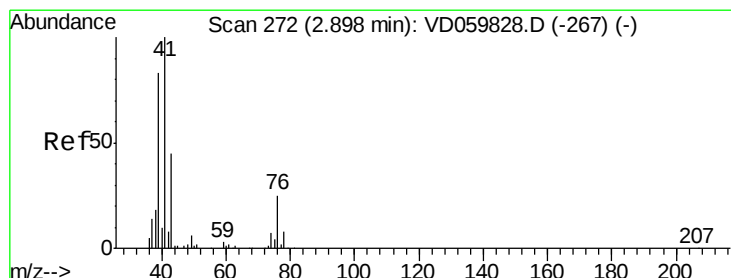
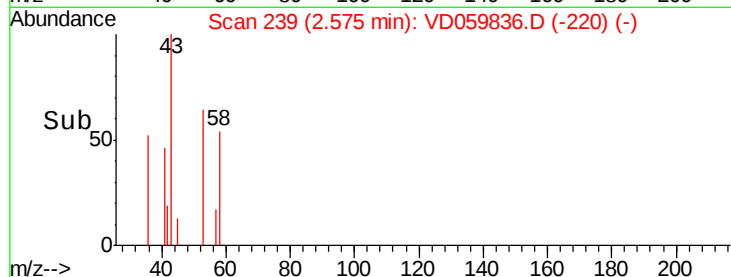
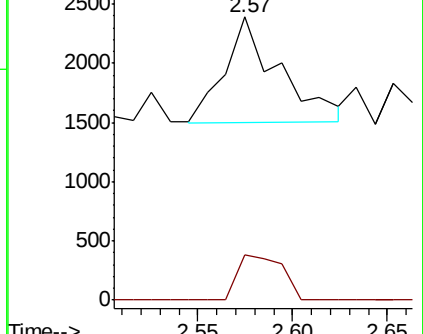
43 100

58 15.9 16.2 24.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 2.87 min Scan# 269

Delta R.T. -0.03 min

Lab File: VD059836.D

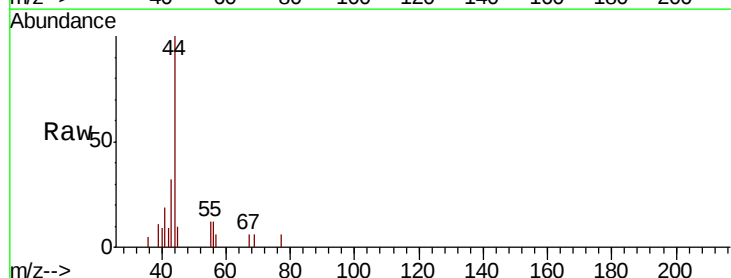
Acq: 20 Aug 2018 17:46

Tgt Ion: 43 Resp: 1156

Ion Ratio Lower Upper

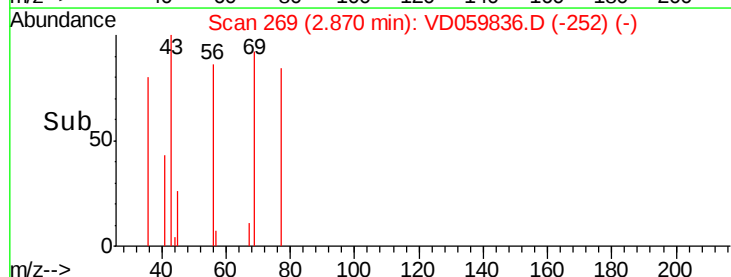
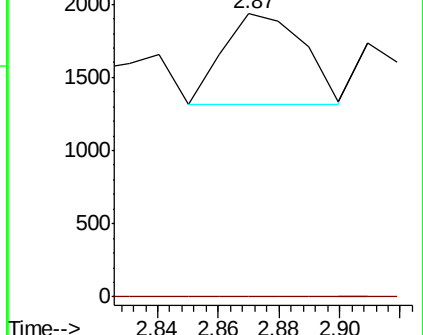
43 100

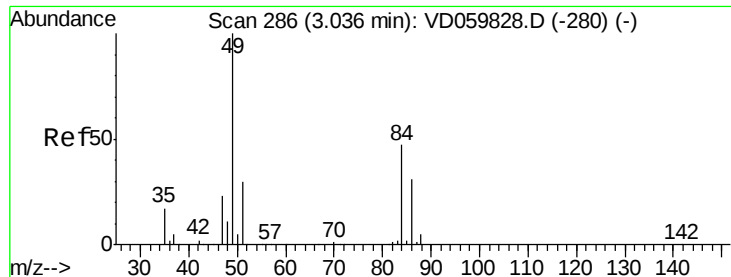
74 0.0 11.4 17.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

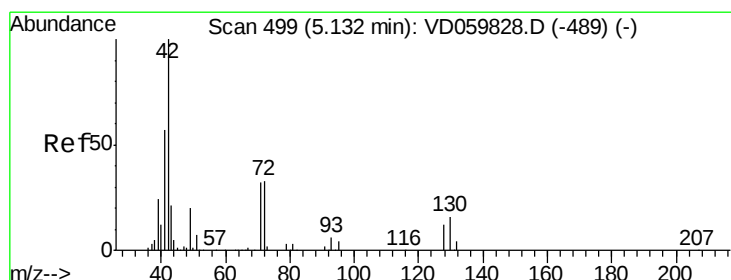
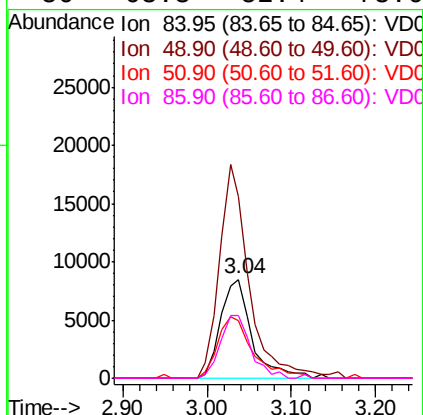
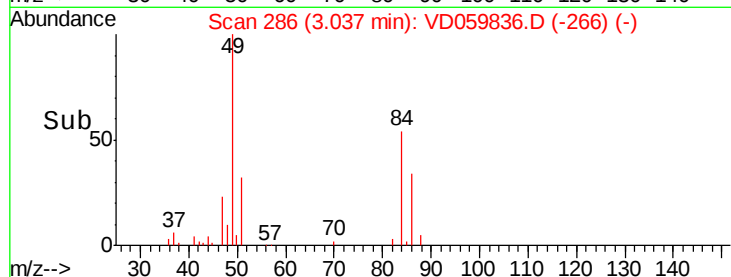
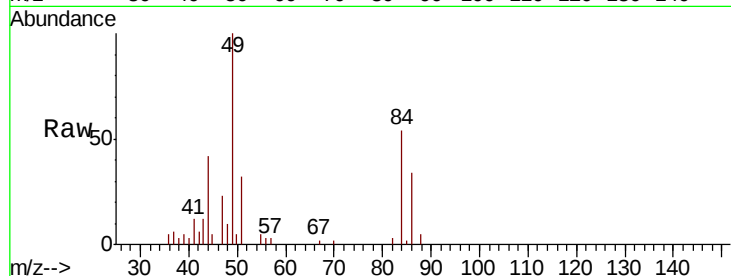




#20
Methylene Chloride
Concen: Below Cal
RT: 3.04 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD059836.D
Acq: 20 Aug 2018 17:46

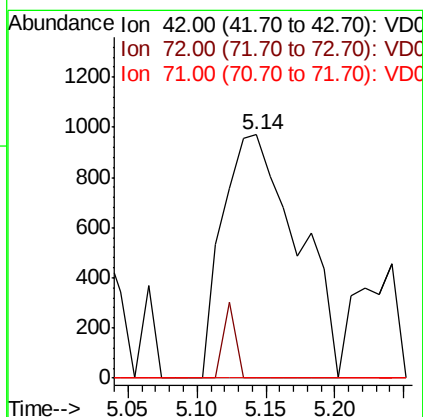
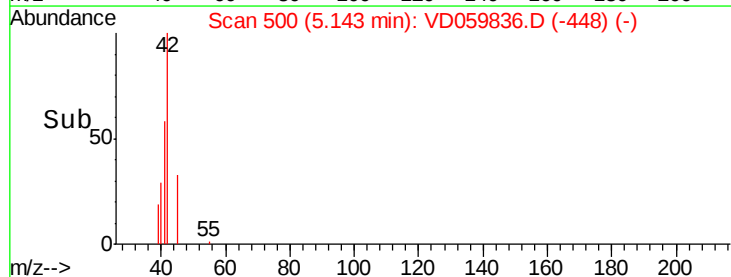
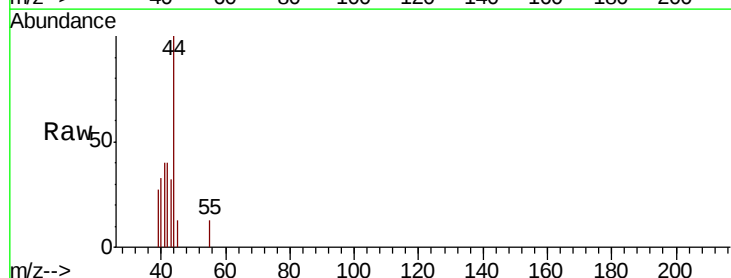
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-036

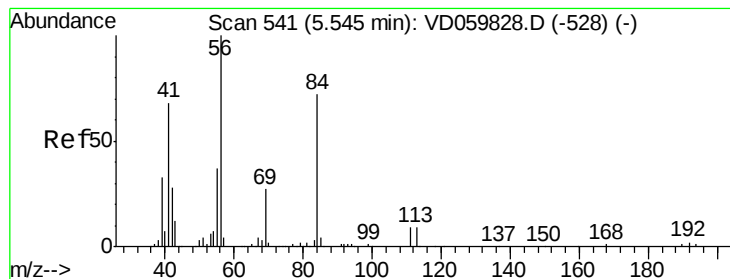
Tgt Ion: 84 Resp: 21887
Ion Ratio Lower Upper
84 100
49 184.7 170.4 255.6
51 58.3 51.4 77.0
86 63.3 52.4 78.6



#29
Tetrahydrofuran
Concen: 1.970 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059836.D
Acq: 20 Aug 2018 17:46

Tgt Ion: 42 Resp: 3660
Ion Ratio Lower Upper
42 100
72 4.9 25.8 38.6#
71 0.0 25.7 38.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 545

Delta R.T. 0.04 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-036

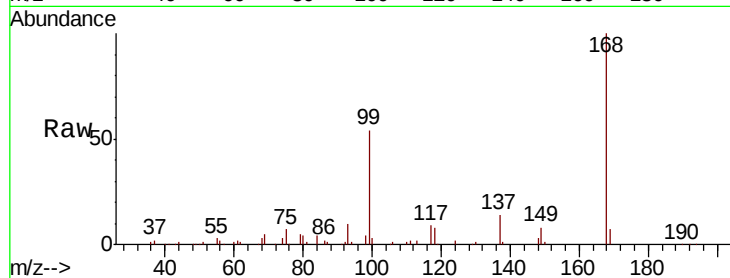
Tgt Ion: 56 Resp: 18822

Ion Ratio Lower Upper

56 100

69 202.2 21.7 32.5#

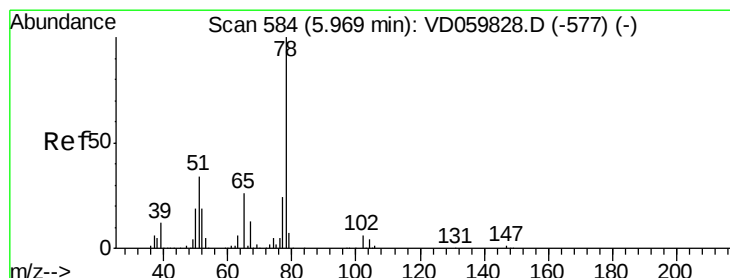
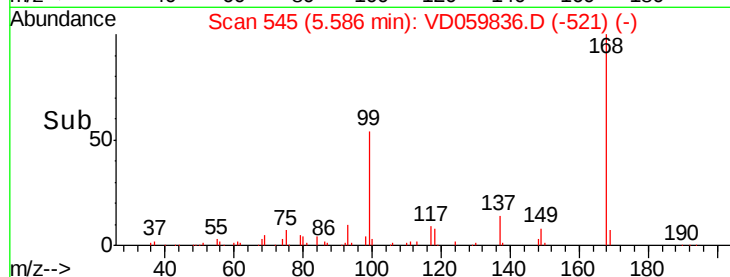
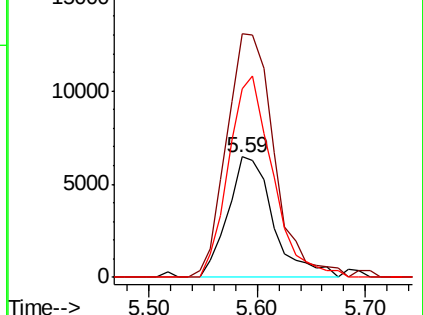
84 156.3 57.8 86.6#



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: VD059836.D

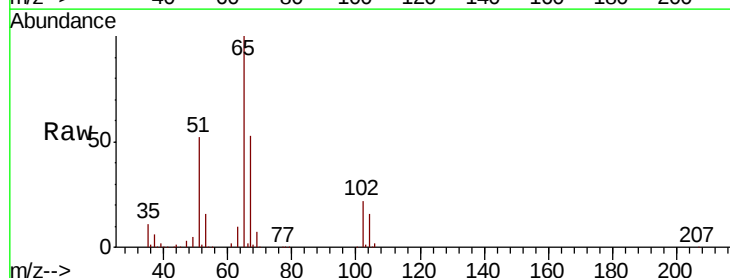
Acq: 20 Aug 2018 17:46

Tgt Ion: 65 Resp: 376031

Ion Ratio Lower Upper

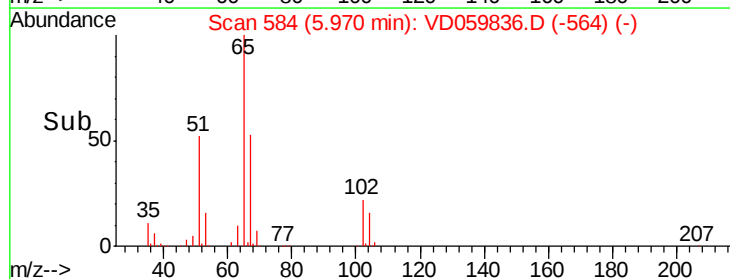
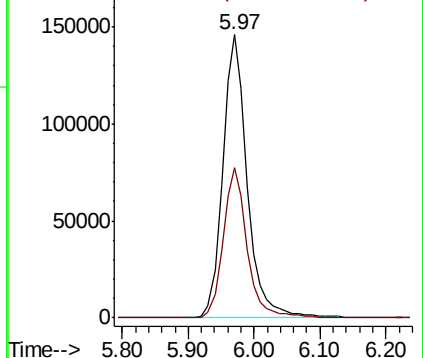
65 100

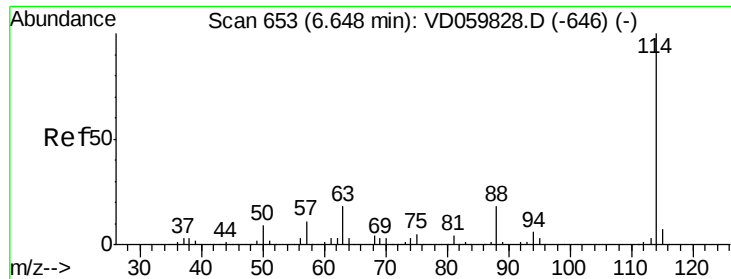
67 52.9 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

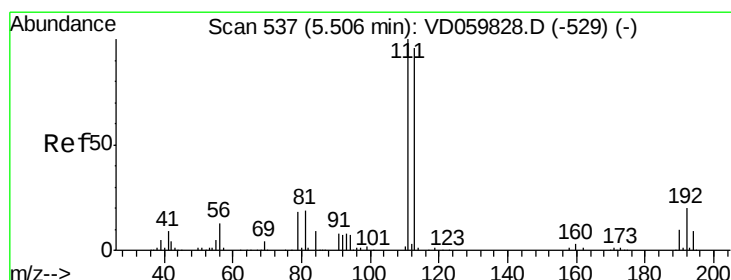
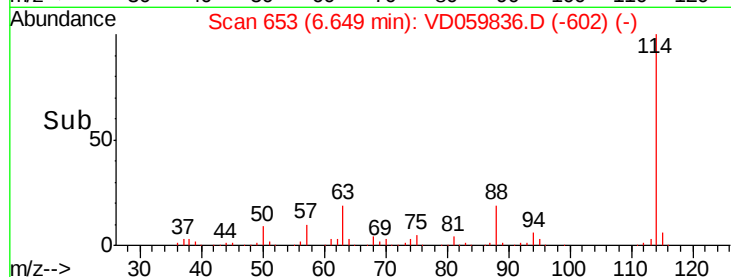
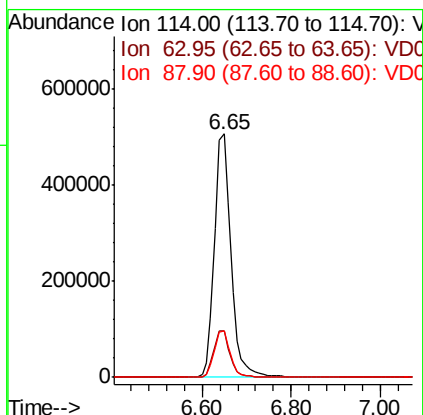
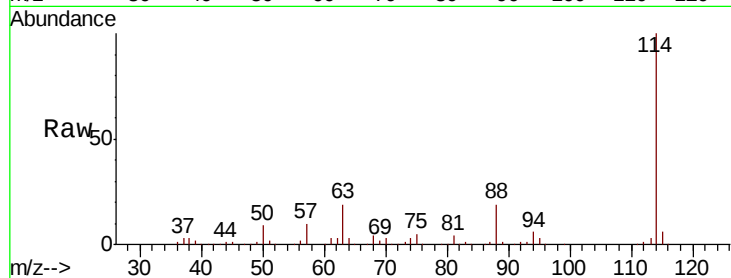




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059836.D
 Acq: 20 Aug 2018 17:46

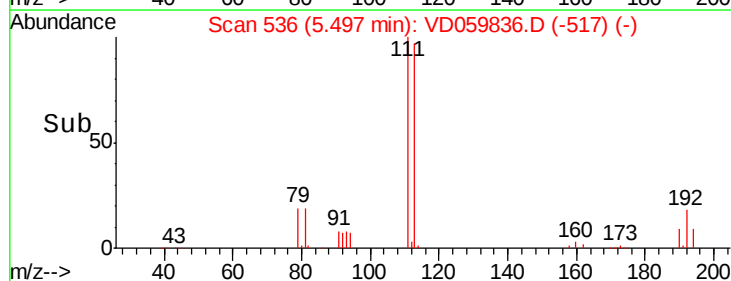
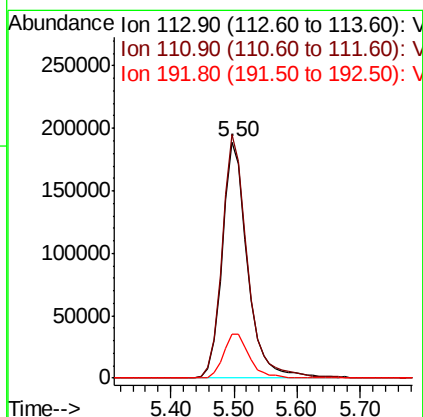
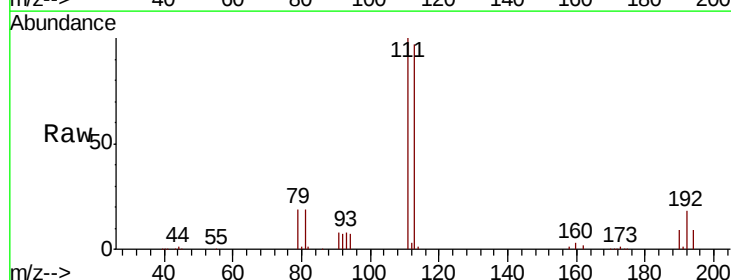
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 MSVOA_D
 ClientSampleId :
 FK-PS-01-036

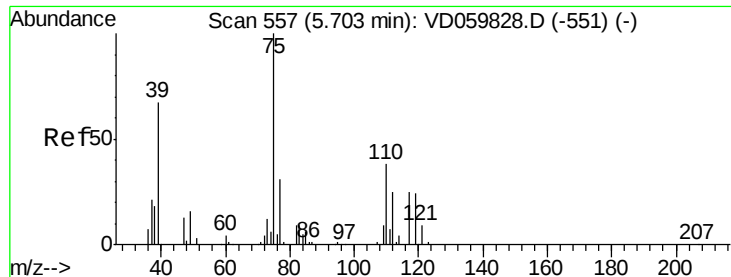
Tgt Ion:114 Resp: 1308585
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 18.9 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VD059836.D
 Acq: 20 Aug 2018 17:46

Tgt Ion:113 Resp: 523677
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.3 124.9
 192 18.8 16.8 25.2

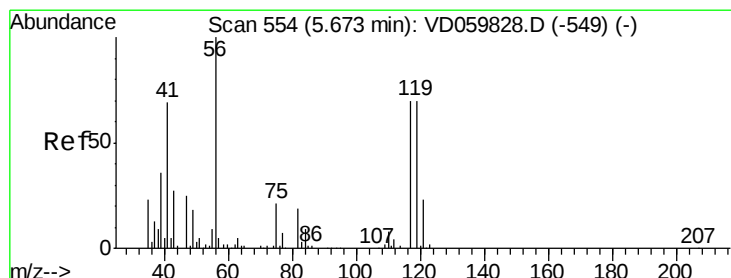
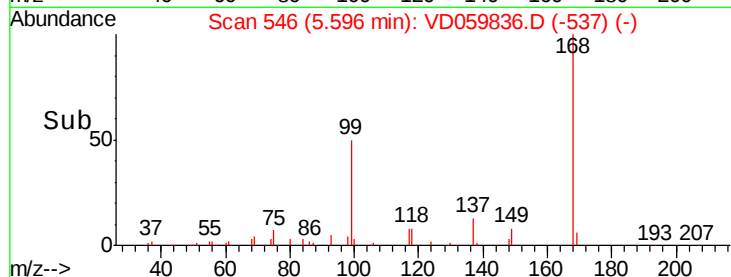
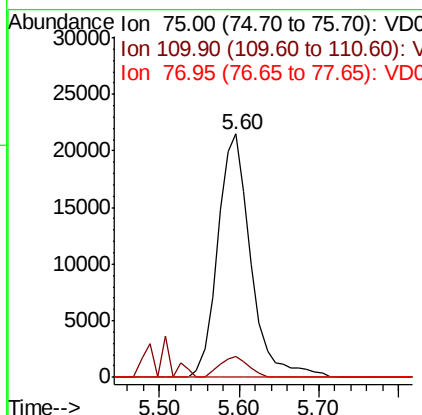
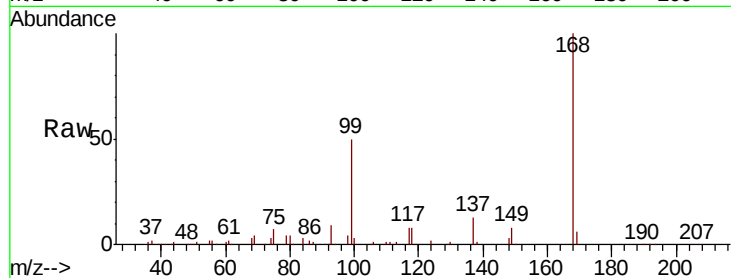




#36
 1,1-Dichloropropene
 Concen: 5.611 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. -0.11 min
 Lab File: VD059836.D
 Acq: 20 Aug 2018 17:46

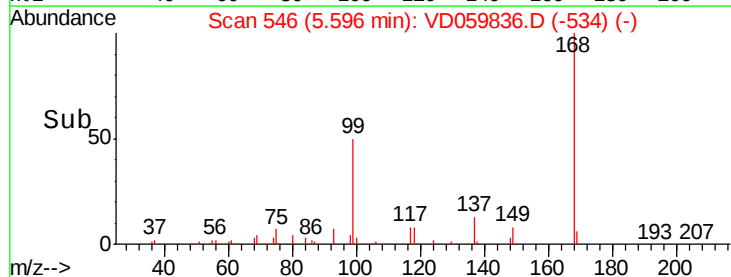
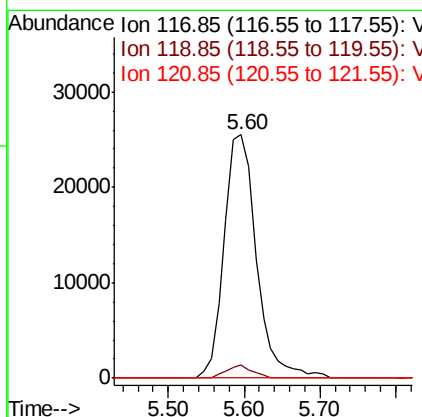
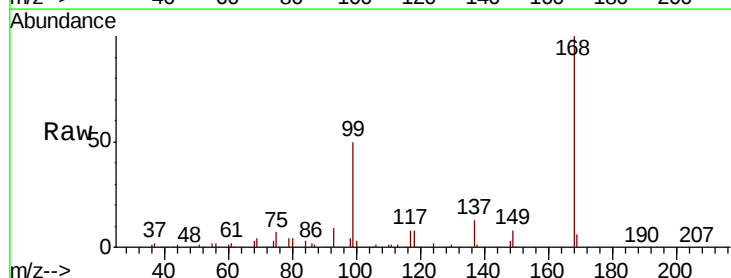
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-036

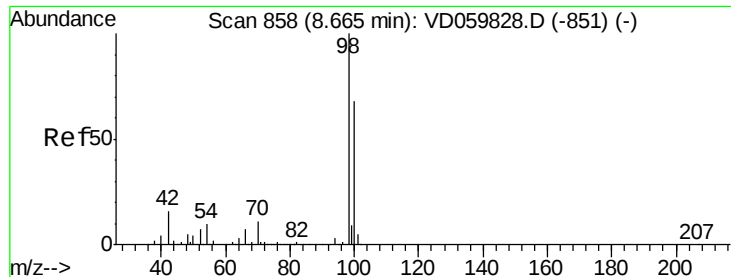
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.814 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. -0.08 min
 Lab File: VD059836.D
 Acq: 20 Aug 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.0	115.4#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

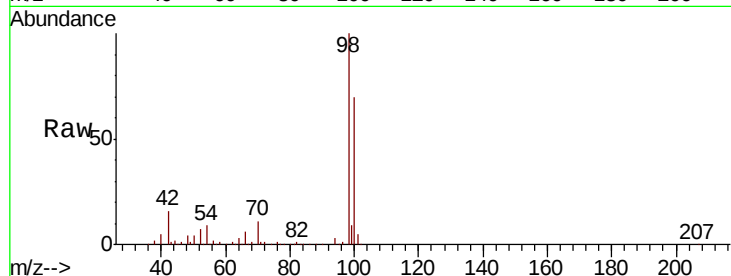
FK-PS-01-036

Tgt Ion: 98 Resp: 1356930

Ion Ratio Lower Upper

98 100

100 70.1 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.67

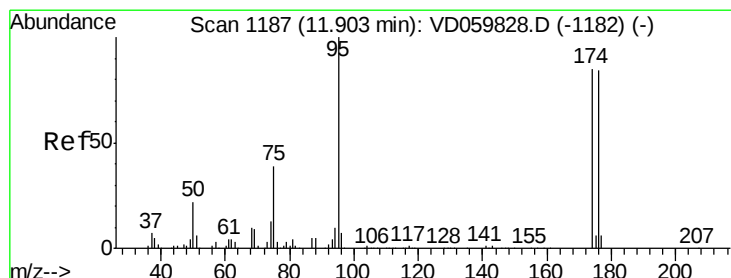
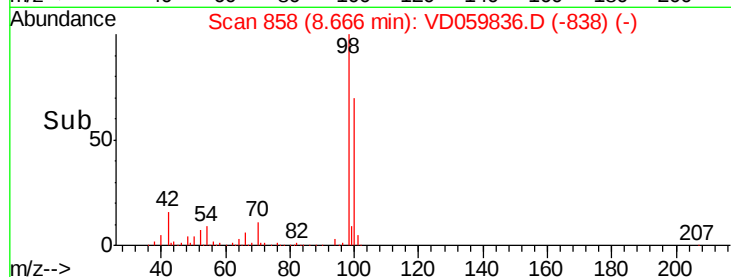
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

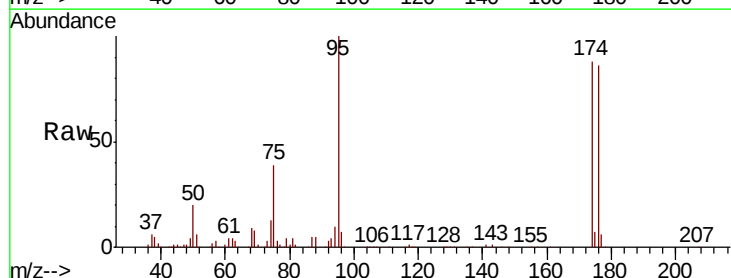
Tgt Ion: 95 Resp: 411843

Ion Ratio Lower Upper

95 100

174 88.5 0.0 169.2

176 86.2 0.0 168.0



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

11.90

400000

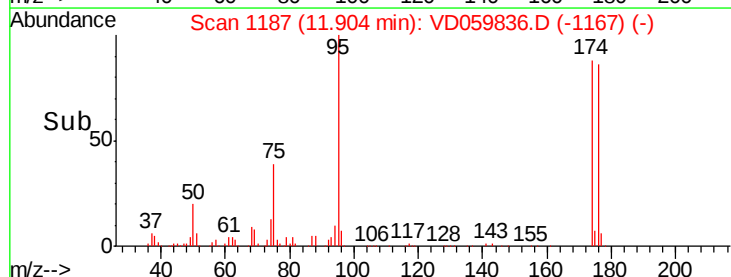
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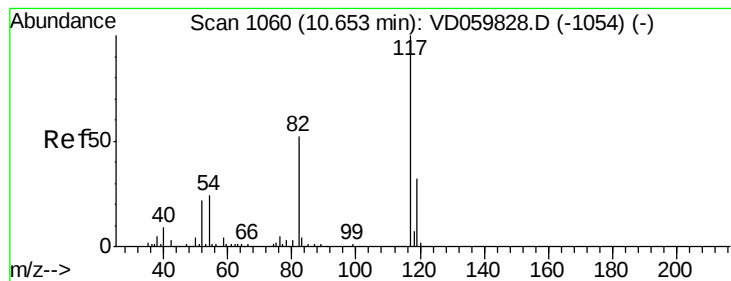
200000

100000

0

Time--> 11.80 11.90 12.00 12.10





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.65 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-036

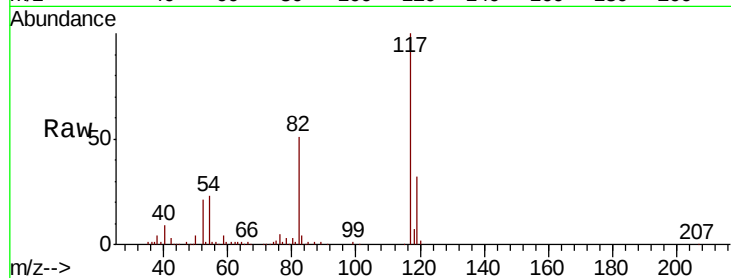
Tgt Ion:117 Resp: 936756

Ion Ratio Lower Upper

117 100

82 50.8 41.6 62.4

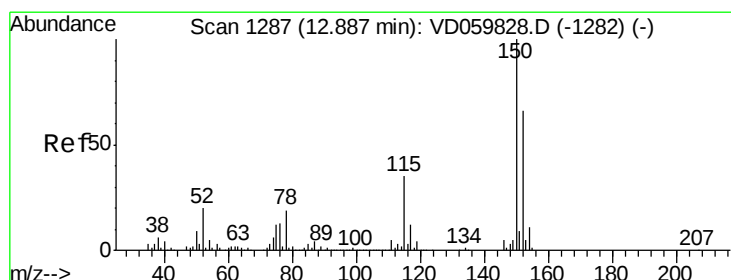
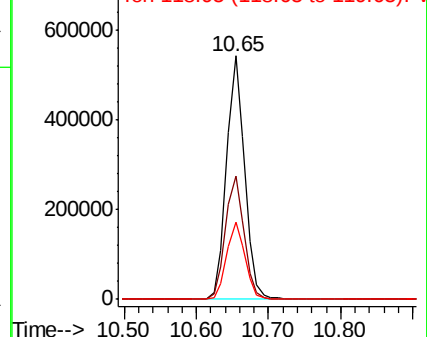
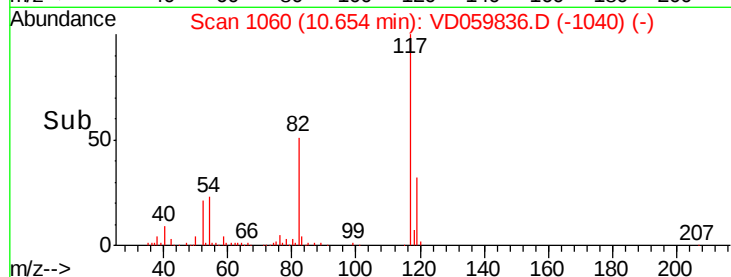
119 31.9 25.6 38.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

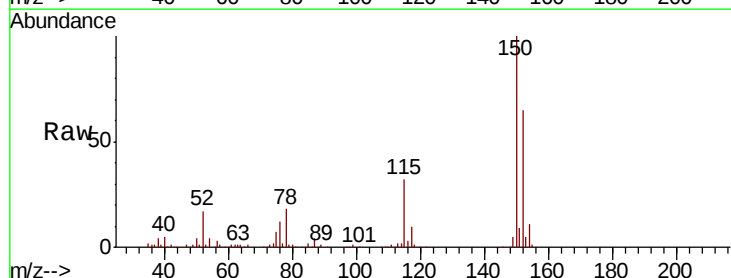
Tgt Ion:152 Resp: 337610

Ion Ratio Lower Upper

152 100

115 49.4 26.9 80.6

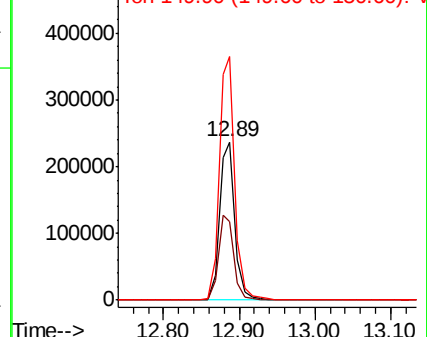
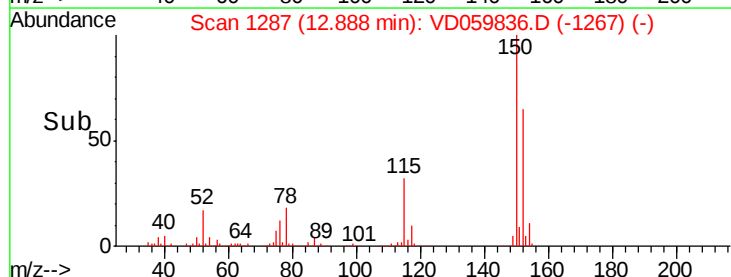
150 153.9 0.0 306.8

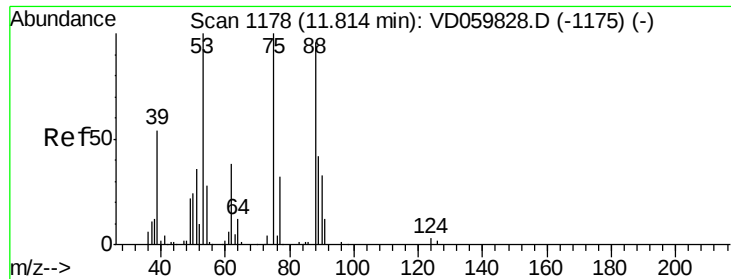


Abundance Ion 151.90 (151.60 to 152.60): V

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: 91.114 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.09 min

Lab File: VD059836.D

Acq: 20 Aug 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-036

Tgt Ion: 75 Resp: 159088

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#

