

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060556.D
 Acq On : 13 Dec 2018 12:56
 Operator : VA/AP
 Sample : J6374-02
 Misc : 5.6g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-029-A

Quant Time: Dec 14 01:04:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1562310	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2197390	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1586628	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	560223	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	481915	43.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.04%	
35) Dibromofluoromethane	6.31	113	661580	40.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.98%	
50) Toluene-d8	9.44	98	1624177	34.77	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.54%	
62) 4-Bromofluorobenzene	12.41	95	531378	31.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	63.60%	

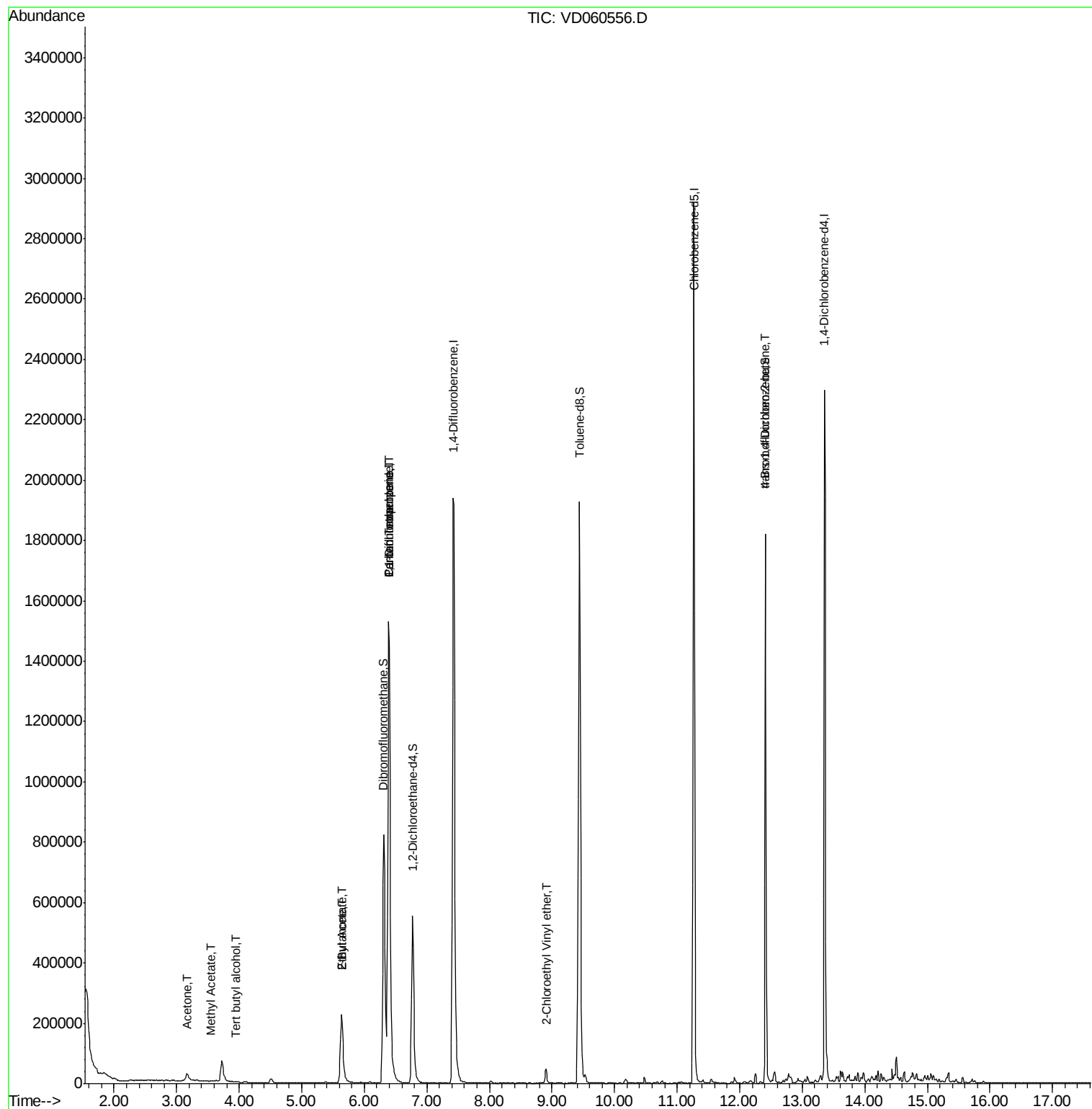
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	1148	Below Cal	#	41
11) Tert butyl alcohol	3.94	59	3582	7.962	ug/l #	73
16) Acetone	3.16	43	60619	34.151	ug/l	97
18) Methyl Acetate	3.55	43	4886	1.158	ug/l #	64
20) Methylene Chloride	3.72	84	46987	Below Cal		99
25) 2-Butanone	5.63	43	20708	5.930	ug/l #	74
31) Cyclohexane	6.39	56	30515	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	114009	5.308	ug/l #	47
37) Ethyl Acetate	5.63	43	20708	2.223	ug/l #	10
38) Carbon Tetrachloride	6.39	117	122471	6.351	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.91	63	21937	4.240	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.41	75	211943	119.715	ug/l #	14

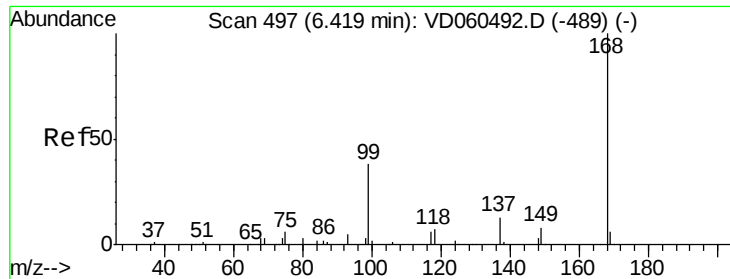
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
Data File : VD060556.D
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ALS Vial : 6 Sample Multiplier: 1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

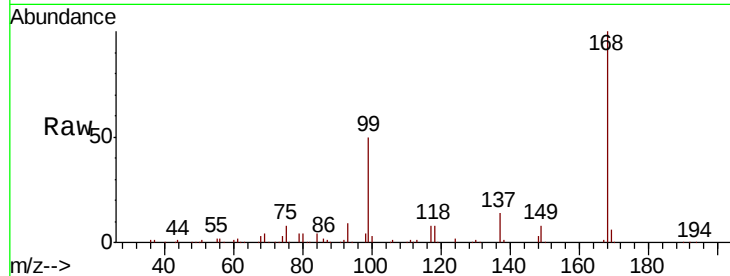
FK-GF-02-029-A

Tgt Ion:168 Resp: 1562310

Ion Ratio Lower Upper

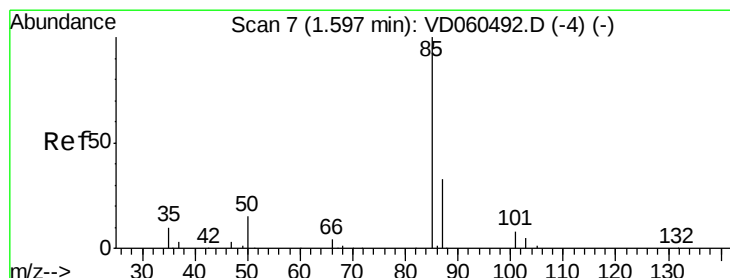
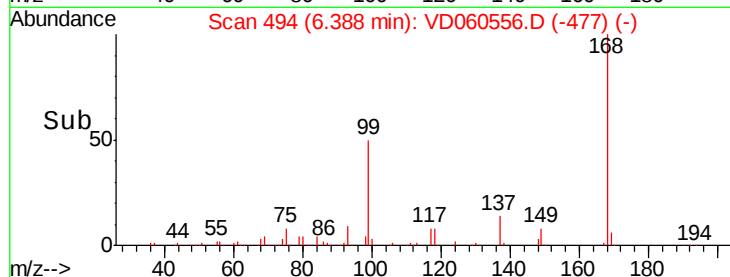
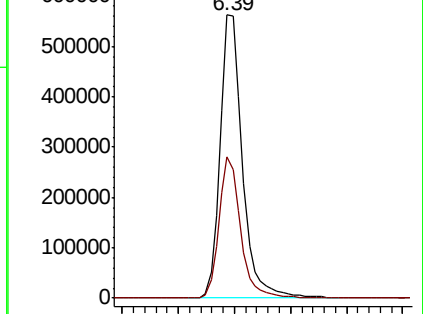
168 100

99 49.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060556.D

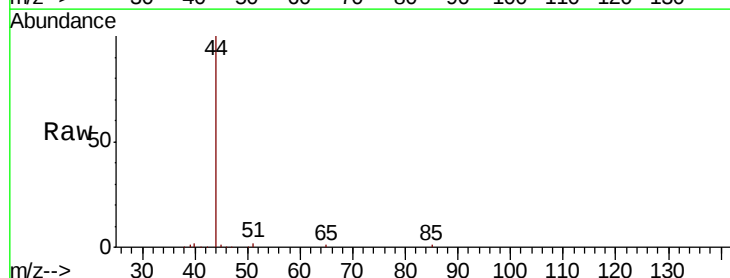
Acq: 13 Dec 2018 12:56

Tgt Ion: 85 Resp: 1148

Ion Ratio Lower Upper

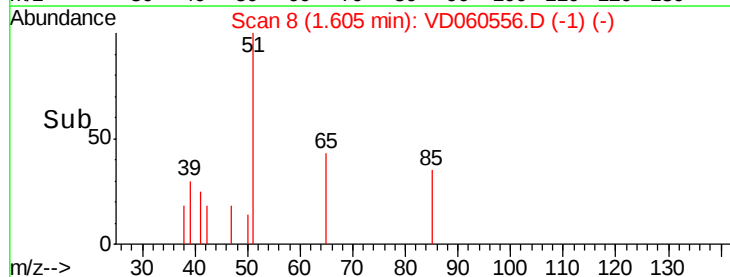
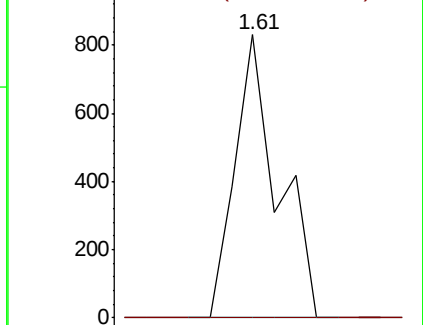
85 100

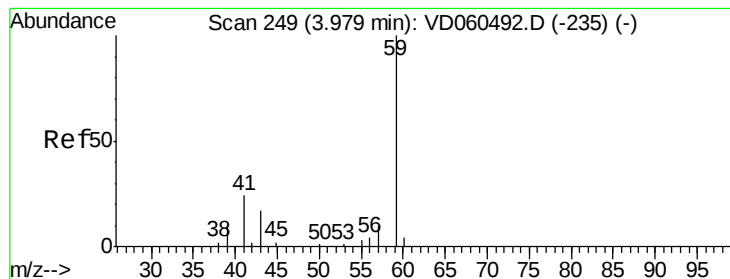
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



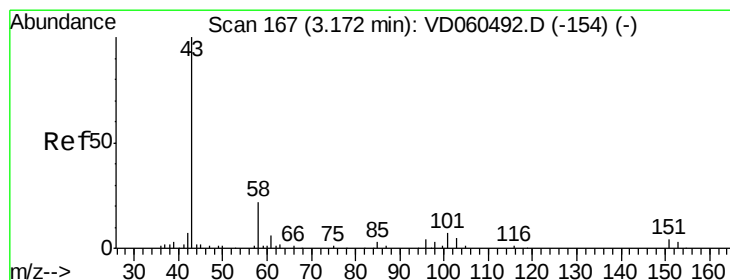
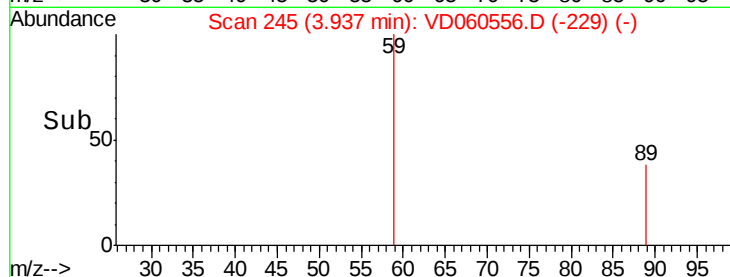
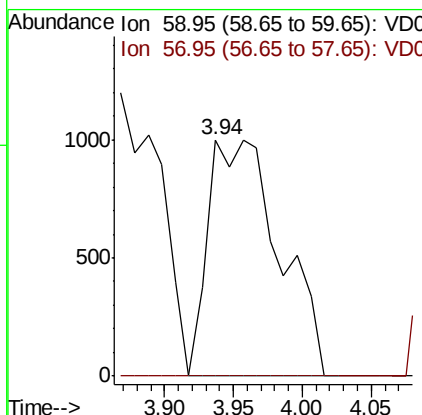
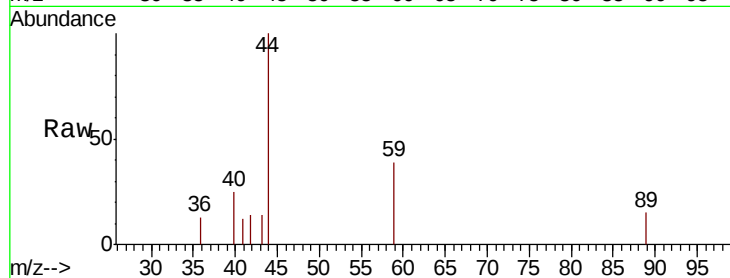


#11

Tert butyl alcohol
 Concen: 7.962 ug/l
 RT: 3.94 min Scan# 245
 Delta R.T. -0.04 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleID :
 FK-GF-02-029-A

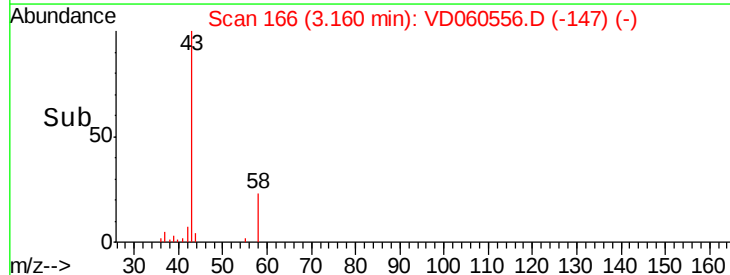
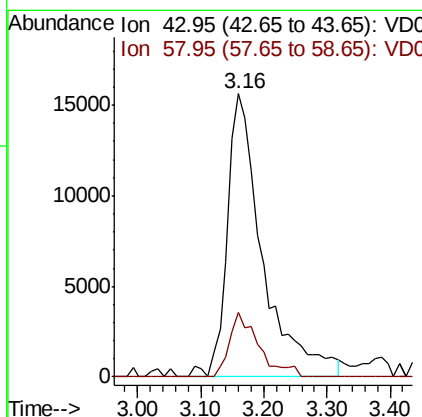
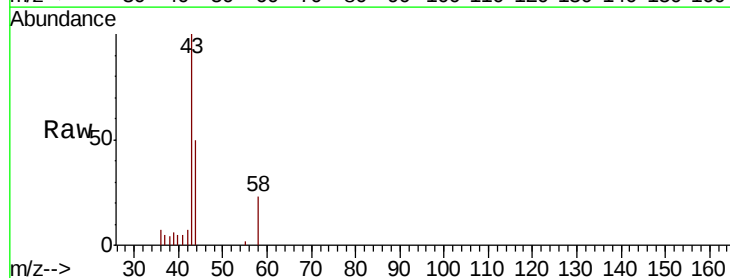
Tgt Ion: 59 Resp: 3582
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

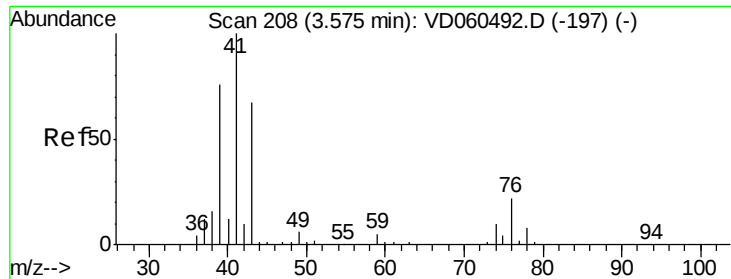


#16

Acetone
 Concen: 34.151 ug/l
 RT: 3.16 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

Tgt Ion: 43 Resp: 60619
 Ion Ratio Lower Upper
 43 100
 58 23.0 17.3 25.9

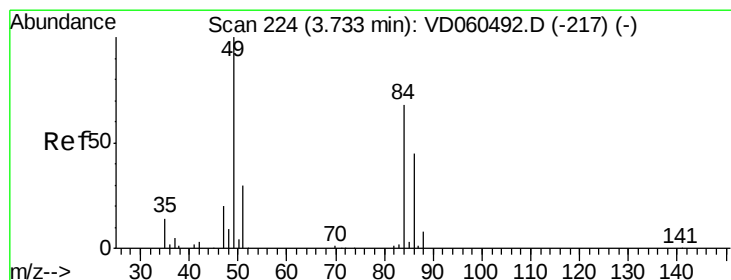
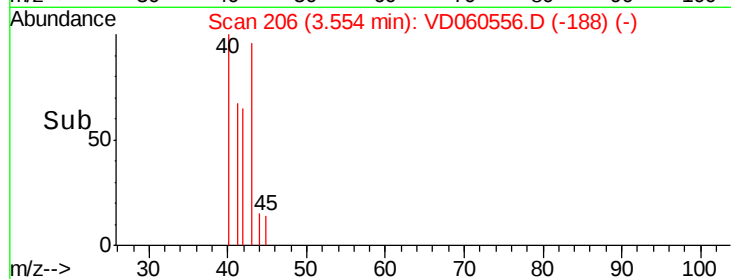
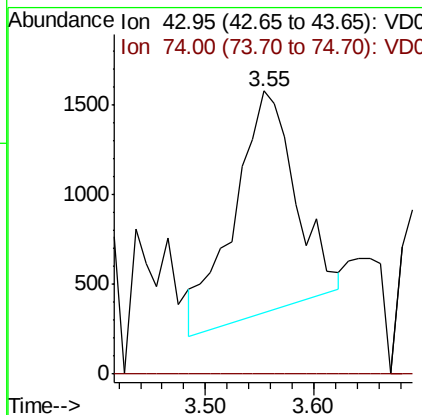
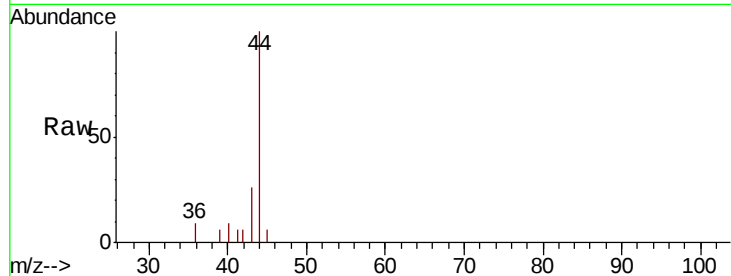




#18
Methyl Acetate
Concen: 1.158 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.02 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

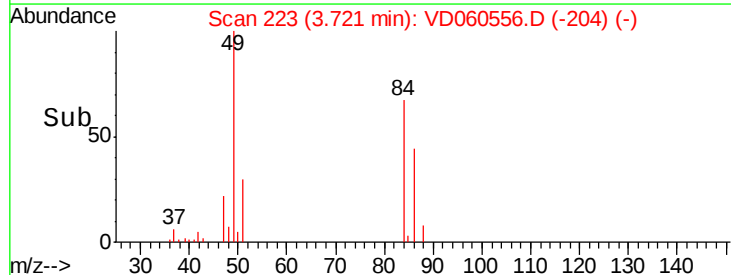
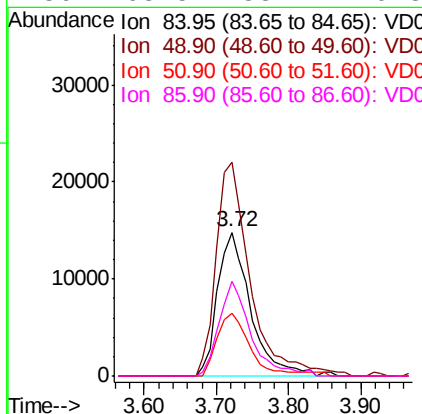
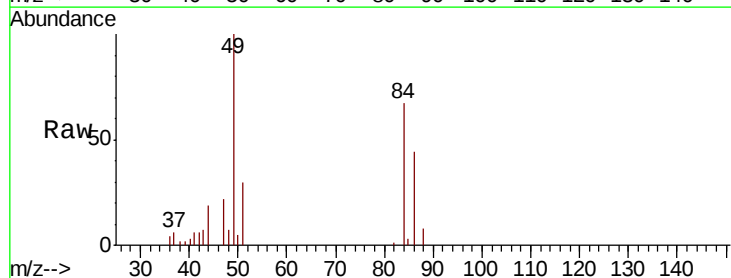
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-029-A

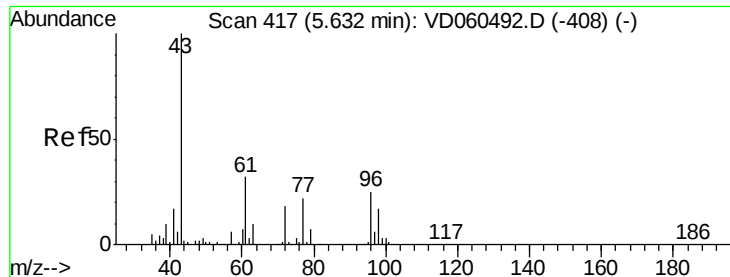
Tgt Ion: 43 Resp: 4886
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

Tgt Ion: 84 Resp: 46987
Ion Ratio Lower Upper
84 100
49 148.5 117.2 175.8
51 43.9 35.3 52.9
86 65.5 53.2 79.8

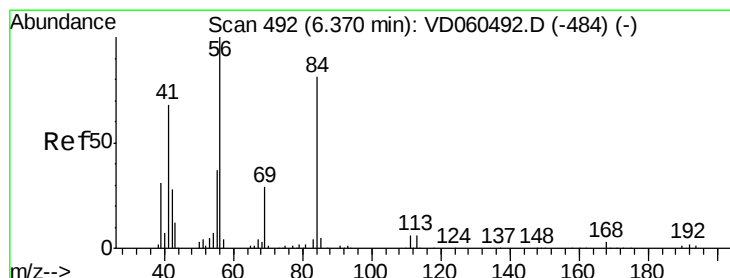
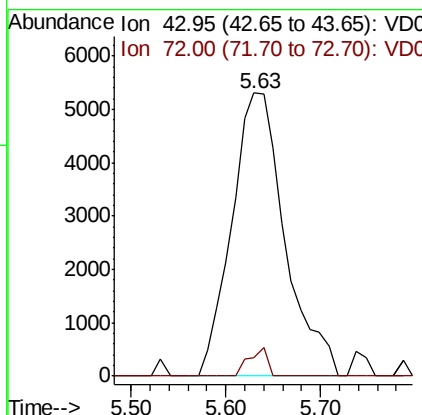
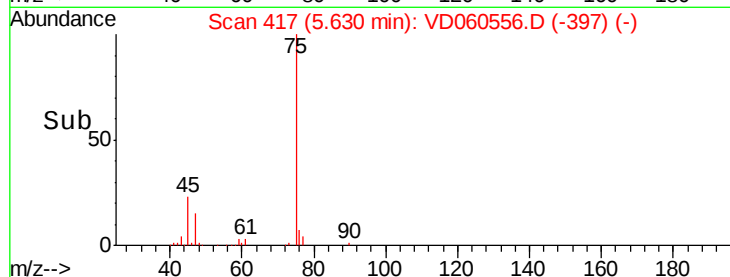
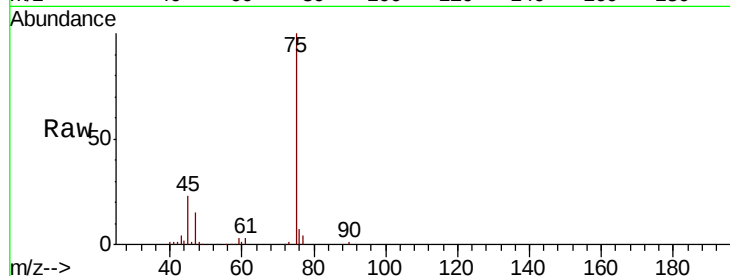




#25
2-Butanone
Concen: 5.930 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.00 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

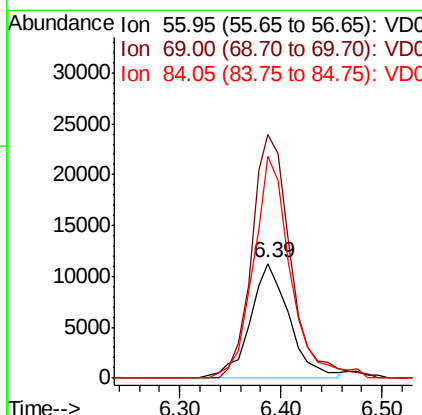
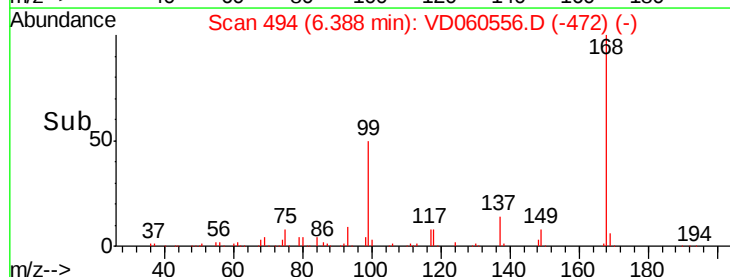
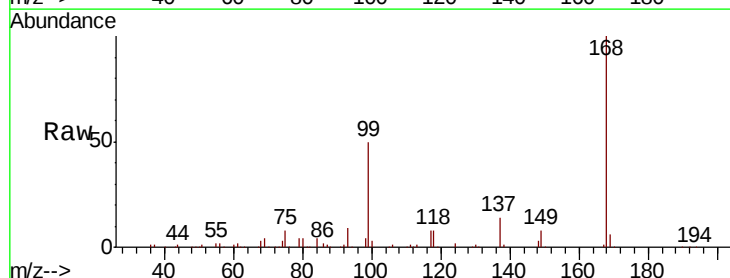
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-029-A

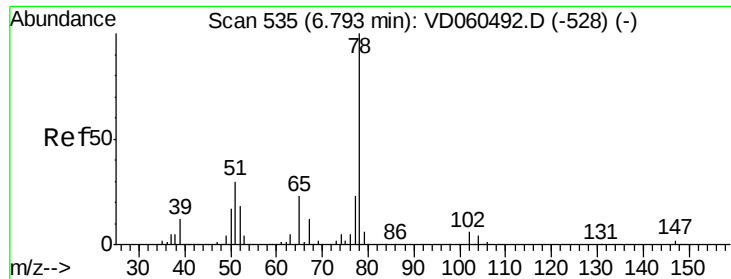
Tgt Ion: 43 Resp: 20708
Ion Ratio Lower Upper
43 100
72 6.7 14.6 21.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 494
Delta R.T. 0.02 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

Tgt Ion: 56 Resp: 30515
Ion Ratio Lower Upper
56 100
69 213.0 22.8 34.2#
84 193.8 65.1 97.7#

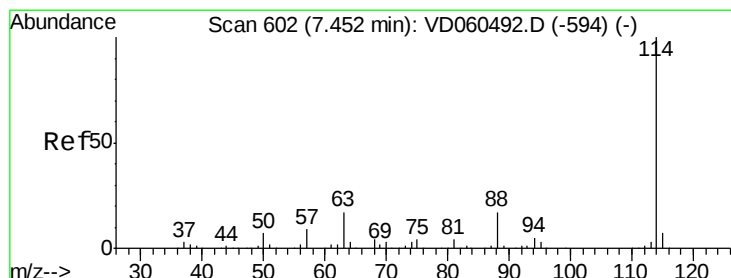
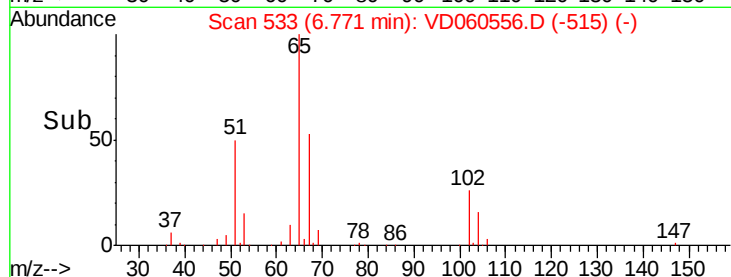
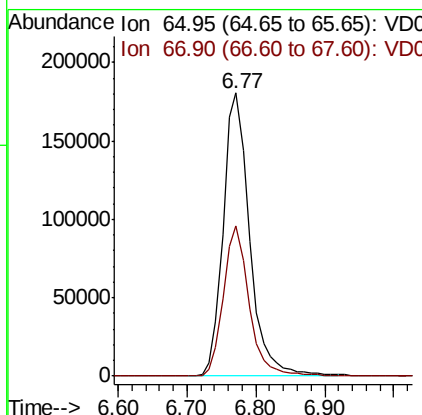
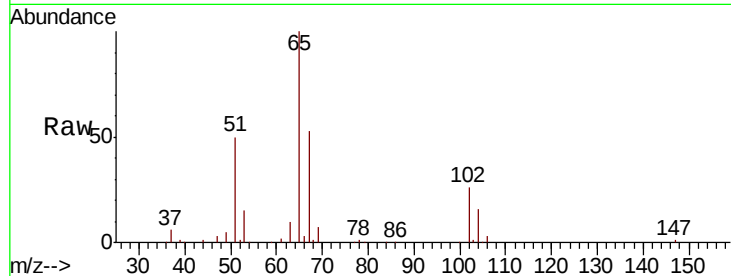




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

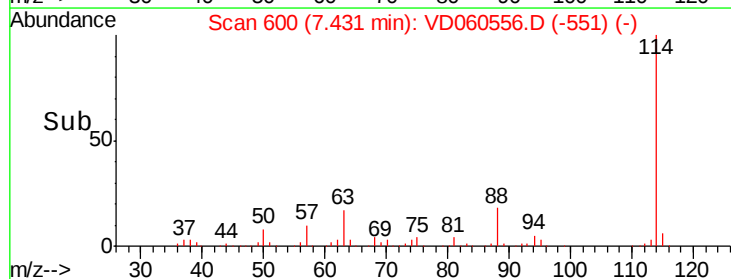
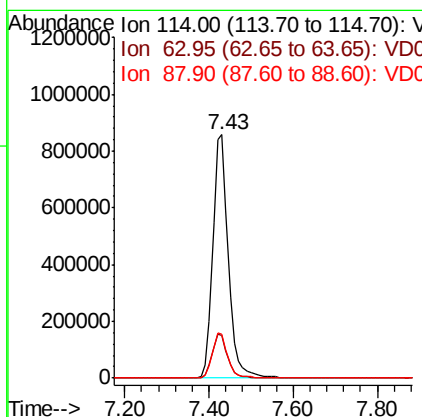
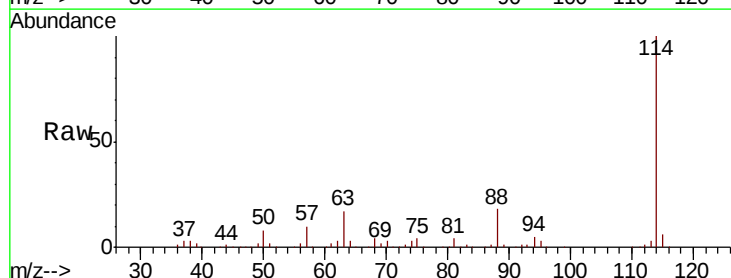
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 MSVOA_D
 ClientSampleId :
 FK-GF-02-029-A

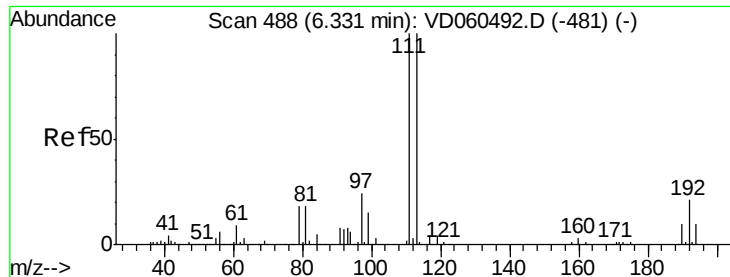
Tgt Ion: 65 Resp: 481915
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

Tgt Ion: 114 Resp: 2197390
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.2
 88 18.1 0.0 35.0

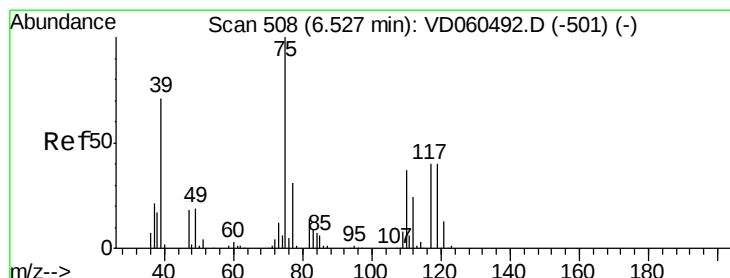
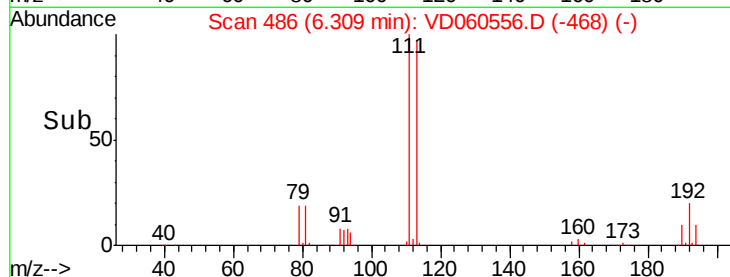
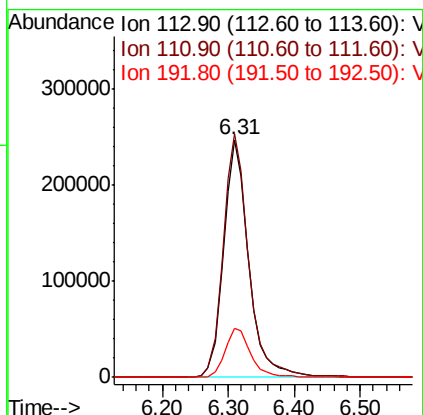
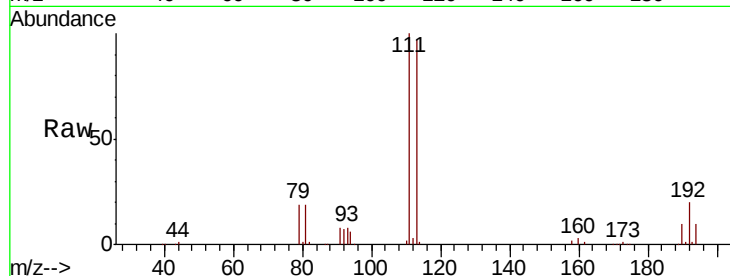




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

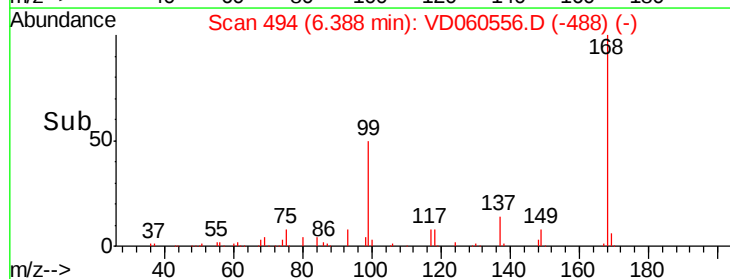
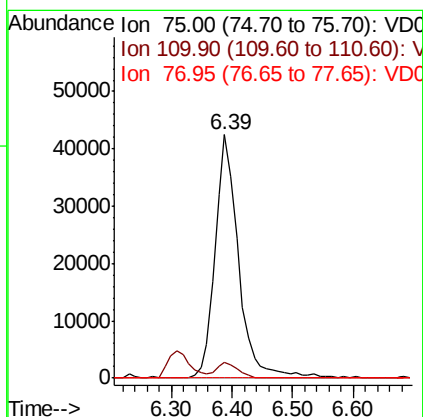
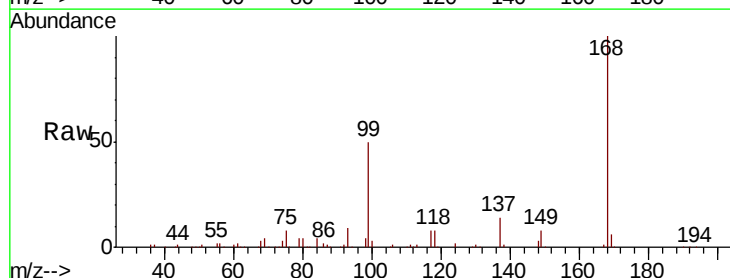
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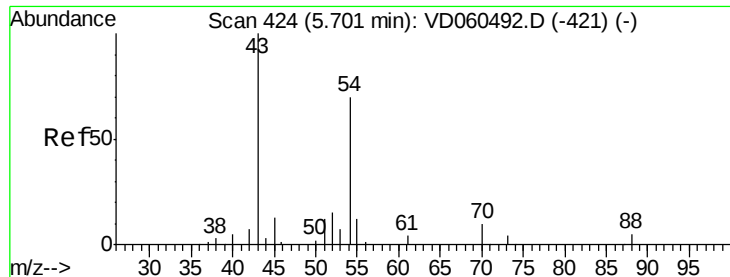
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.2	120.4
192	20.7	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060556.D
 Acq: 13 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.3	54.8#
77	0.0	24.6	37.0#

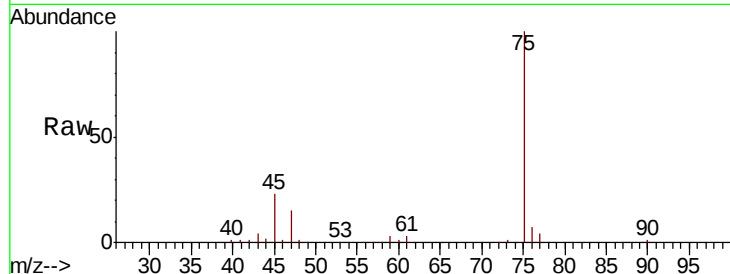




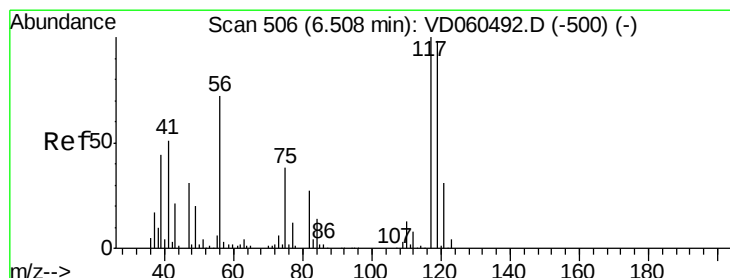
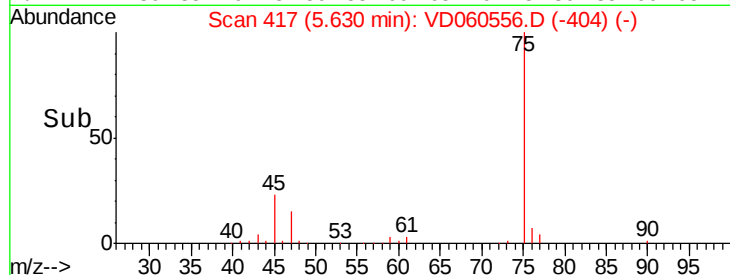
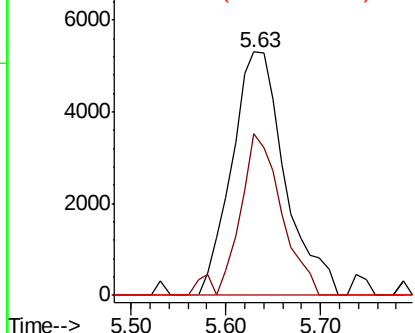
#37
Ethyl Acetate
Concen: 2.223 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.07 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-029-A

Tgt Ion: 43 Resp: 20708
Ion Ratio Lower Upper
43 100
61 66.3 12.4 18.6#
70 0.0 5.4 8.0#

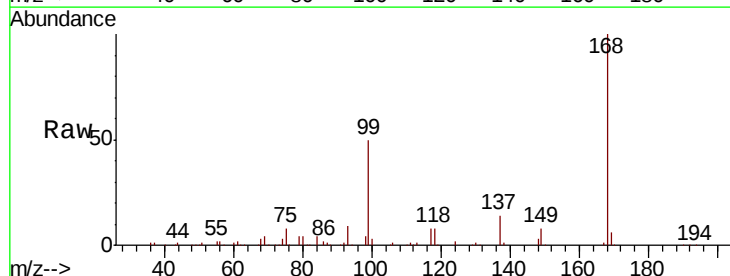


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

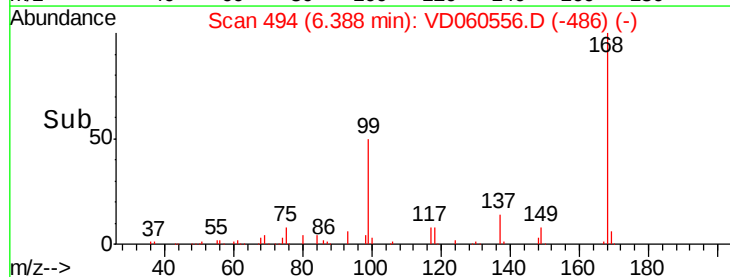
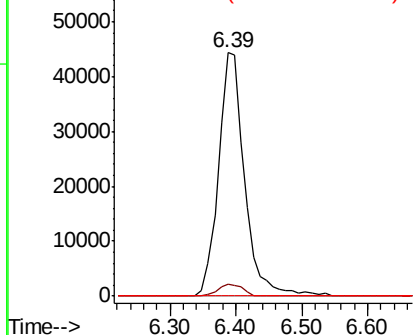


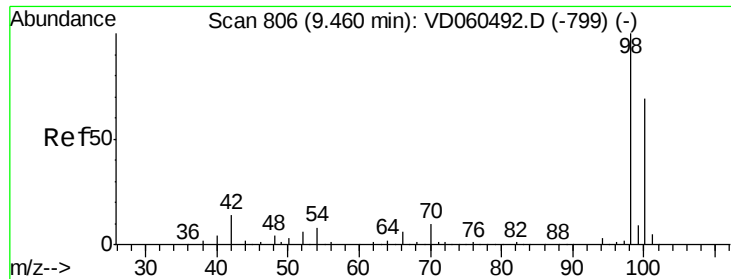
#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060556.D
Acq: 13 Dec 2018 12:56

Tgt Ion: 117 Resp: 122471
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.4 36.6#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

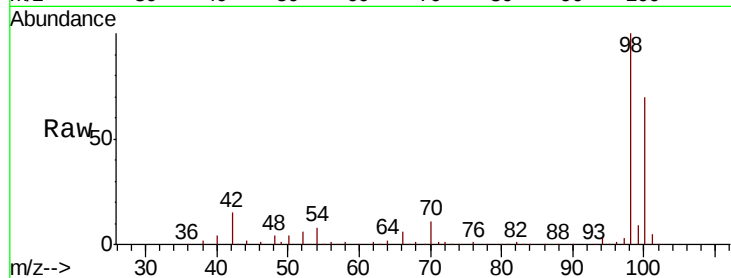
FK-GF-02-029-A

Tgt Ion: 98 Resp: 1624177

Ion Ratio Lower Upper

98 100

100 70.2 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)

Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

9.44

800000

600000

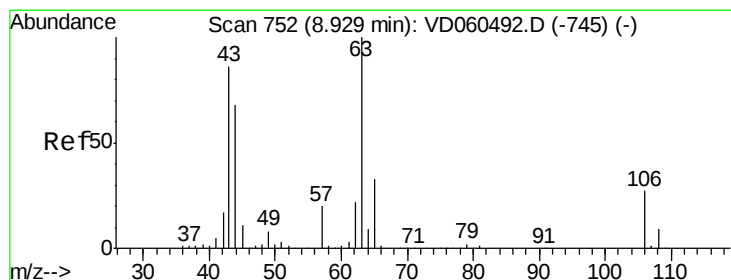
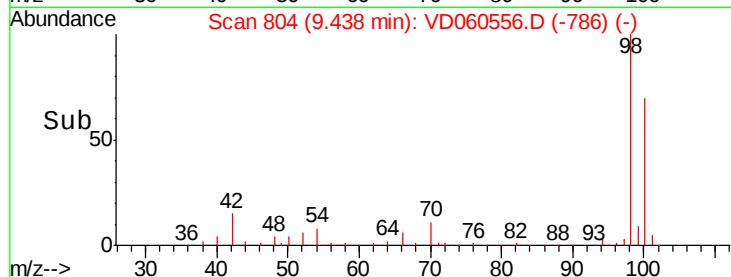
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 4.240 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD060556.D

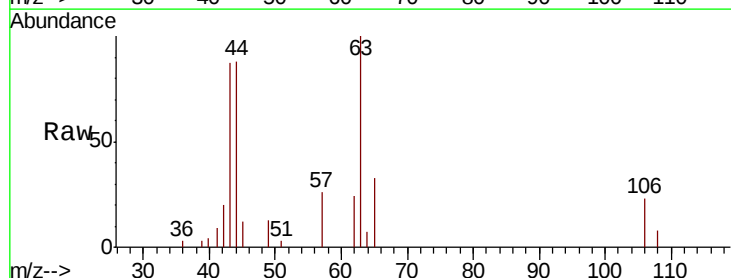
Acq: 13 Dec 2018 12:56

Tgt Ion: 63 Resp: 21937

Ion Ratio Lower Upper

63 100

106 23.2 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VD060492.D (-745) (-)

Ion 105.95 (105.65 to 106.65): VD060492.D (-745) (-)

8.91

12000

10000

8000

6000

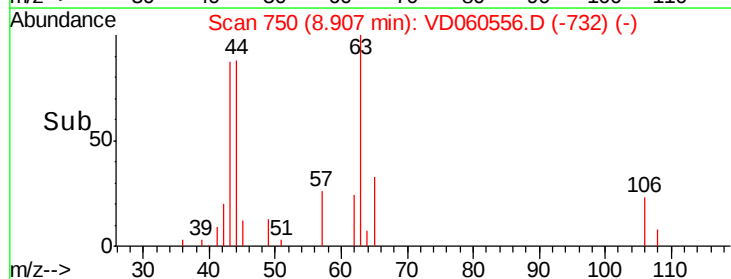
4000

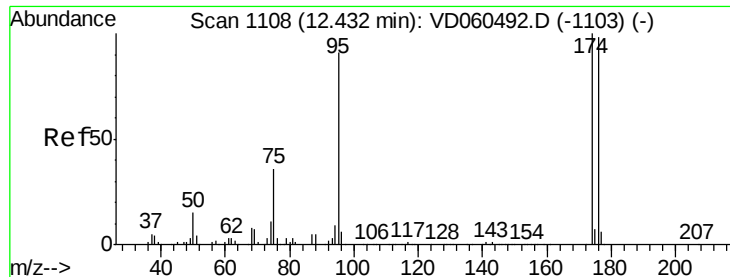
2000

0

8.80 8.85 8.90 8.95 9.00

Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-029-A

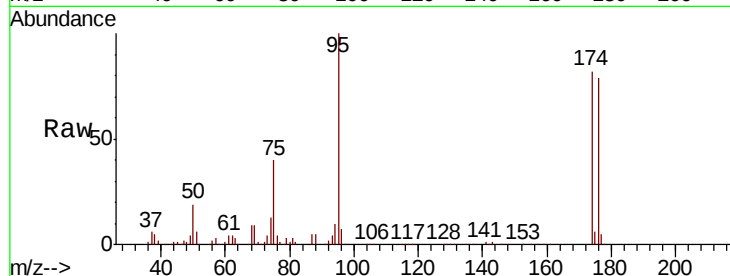
Tgt Ion: 95 Resp: 531378

Ion Ratio Lower Upper

95 100

174 82.3 0.0 219.4

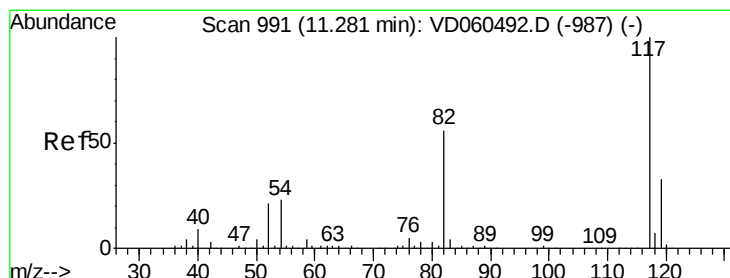
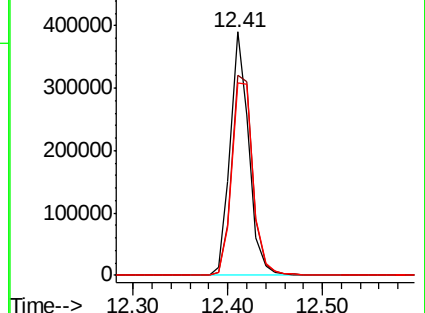
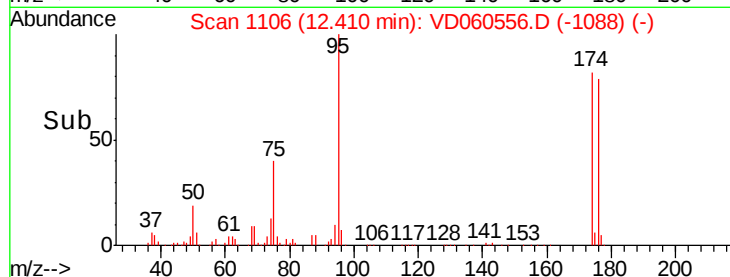
176 79.2 0.0 214.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

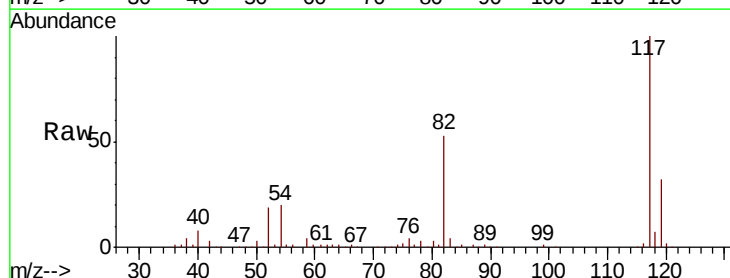
Tgt Ion: 117 Resp: 1586628

Ion Ratio Lower Upper

117 100

82 53.1 45.2 67.8

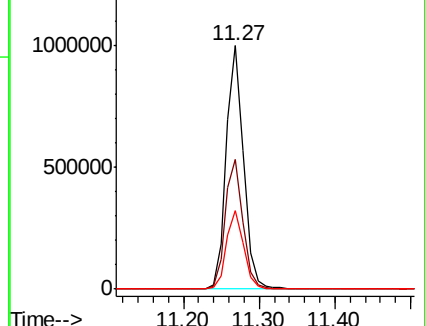
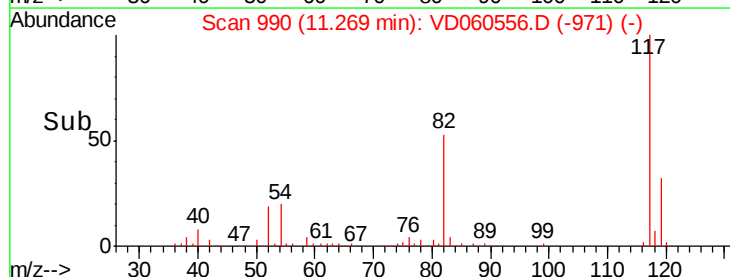
119 32.4 26.1 39.1

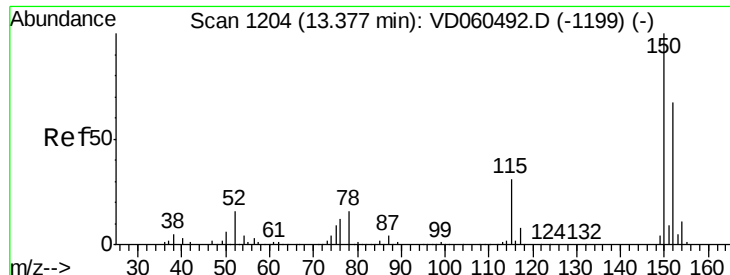


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-029-A

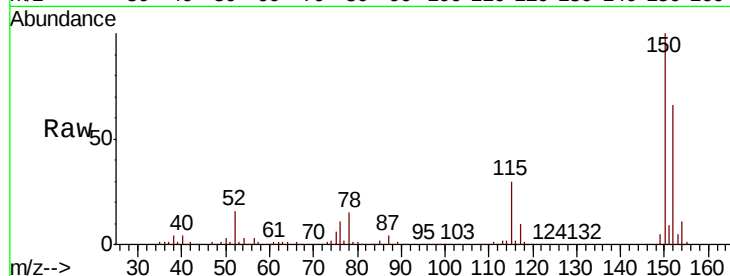
Tgt Ion:152 Resp: 560223

Ion Ratio Lower Upper

152 100

115 45.9 24.6 74.0

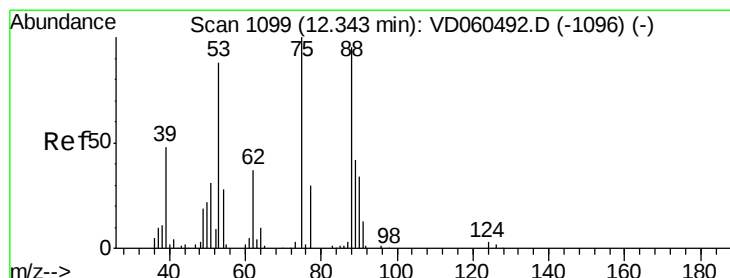
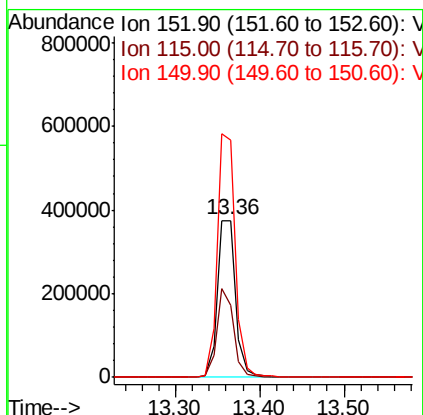
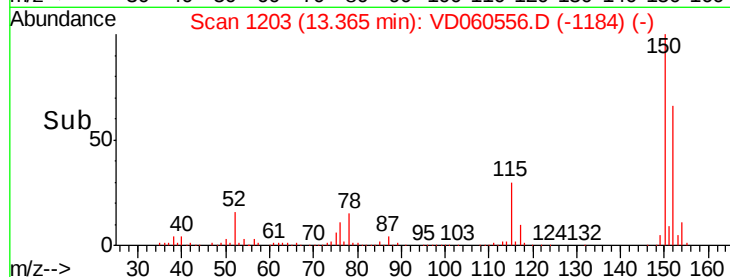
150 150.9 0.0 309.0



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: 119.715 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.07 min

Lab File: VD060556.D

Acq: 13 Dec 2018 12:56

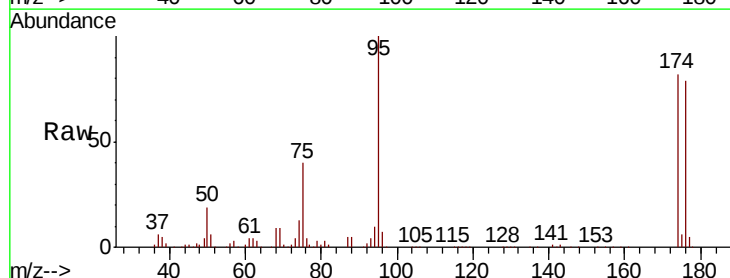
Tgt Ion: 75 Resp: 211943

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

