

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112918\
 Data File : VD060462.D
 Acq On : 29 Nov 2018 12:37
 Operator : VA/AP
 Sample : J6125-02
 Misc : 6.97g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

Quant Time: Nov 30 04:53:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	30499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	52074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	43697	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	21320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	21669	99.23	ug/l	0.00
Spiked Amount			Recovery	=	198.46%	
35) Dibromofluoromethane	6.33	113	21194	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
50) Toluene-d8	9.46	98	49220	43.31	ug/l	0.00
Spiked Amount			Recovery	=	86.62%	
62) 4-Bromofluorobenzene	12.44	95	20498	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

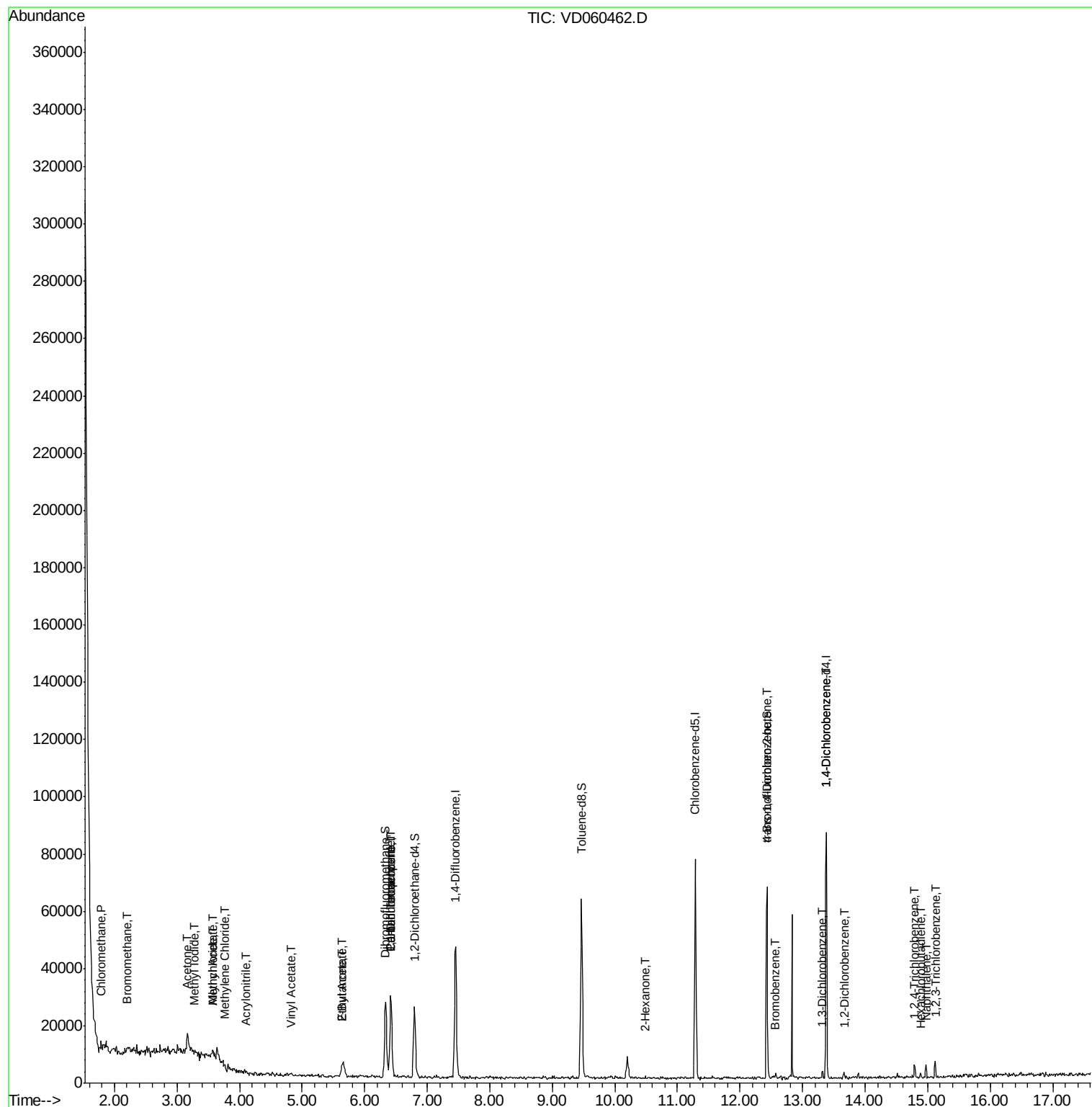
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.78	50	1382	4.784	ug/l #	42
5) Bromomethane	2.20	94	3207	57.293	ug/l #	79
10) Methyl Iodide	3.27	142	1619	6.813	ug/l #	35
14) Allyl chloride	3.56	41	876	3.076	ug/l #	75
15) Acrylonitrile	4.11	53	432	8.261	ug/l #	17
16) Acetone	3.17	43	9351	246.859	ug/l	93
18) Methyl Acetate	3.58	43	2208	27.337	ug/l #	63
20) Methylene Chloride	3.76	84	694	2.065	ug/l #	37
23) Vinyl Acetate	4.82	43	1203	2.273	ug/l #	79
25) 2-Butanone	5.63	43	889	11.291	ug/l #	60
36) 1,1-Dichloropropene	6.41	75	1451	2.820	ug/l #	41
37) Ethyl Acetate	5.63	43	889	3.755	ug/l #	69
38) Carbon Tetrachloride	6.42	117	1746	3.659	ug/l #	12
59) 2-Hexanone	10.49	43	256	1.856	ug/l #	31
77) Bromobenzene	12.55	156	444	1.076	ug/l #	27
81) trans-1,4-Dichloro-2-buten	12.43	75	8035	110.662	ug/l #	15
87) 1,3-Dichlorobenzene	13.31	146	949	1.293	ug/l	89
88) 1,4-Dichlorobenzene	13.39	146	1288	1.797	ug/l	85
89) n-Butylbenzene	13.66	91	633	Below Cal	#	83
91) 1,2-Dichlorobenzene	13.67	146	1176	1.950	ug/l	77
93) 1,2,4-Trichlorobenzene	14.79	180	2040	4.267	ug/l	84
94) Hexachlorobutadiene	14.89	225	384	1.074	ug/l #	18
95) Naphthalene	14.97	128	3359	5.754	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.12	180	2028	5.294	ug/l	94

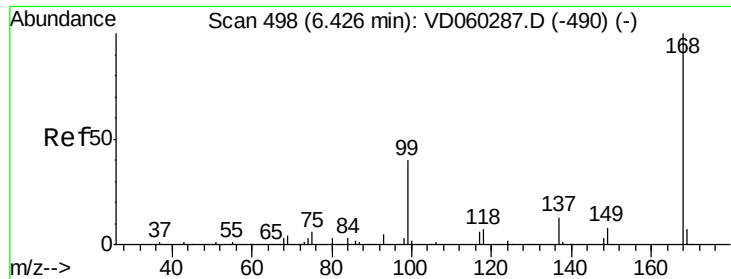
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112918\
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

Instrument :

MSVOA_D

ClientSampleId :

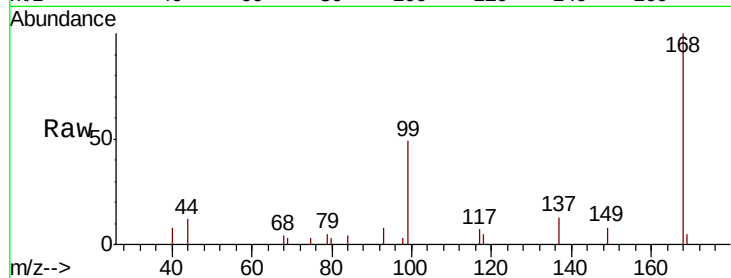
FK-GF-02-028-A

Tot Ion:168 Resp: 30499

Ion Ratio Lower Upper

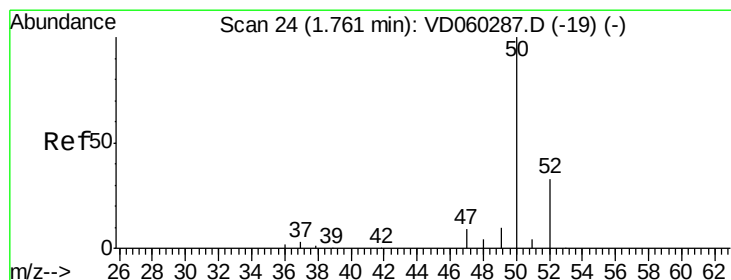
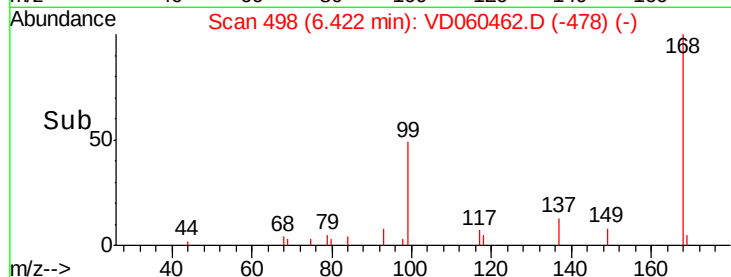
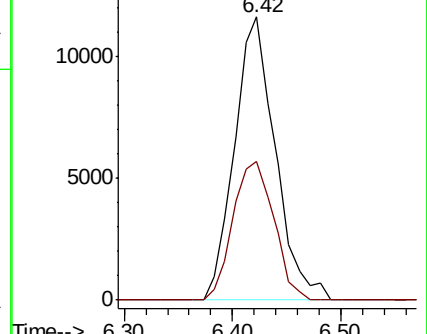
168 100

99 49.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 4.784 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060462.D

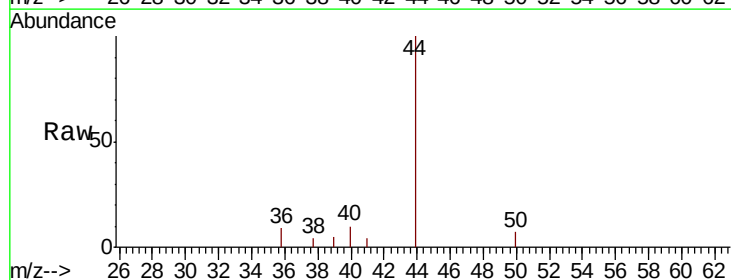
Acq: 29 Nov 2018 12:37

Tgt Ion: 50 Resp: 1382

Ion Ratio Lower Upper

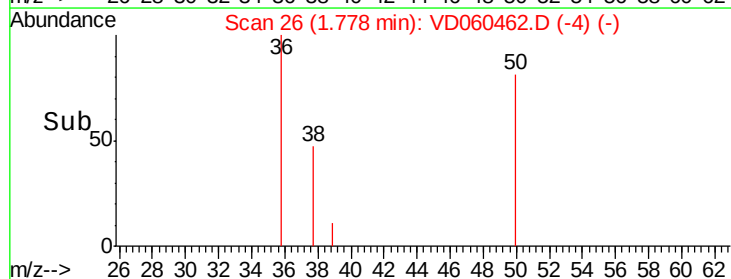
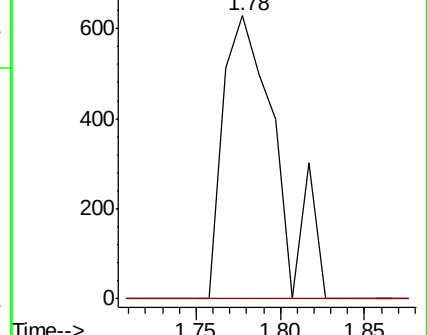
50 100

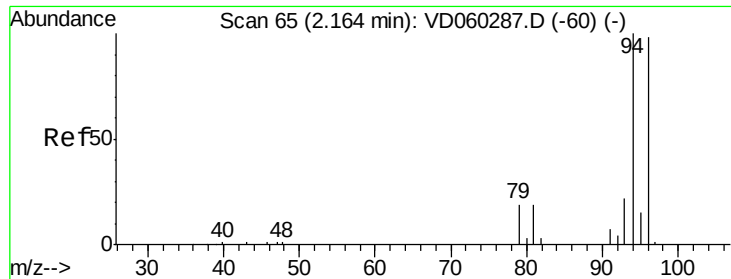
52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 57.293 ug/l

RT: 2.20 min Scan# 69

Delta R.T. 0.04 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

Instrument :

MSVOA_D

ClientSampleId :

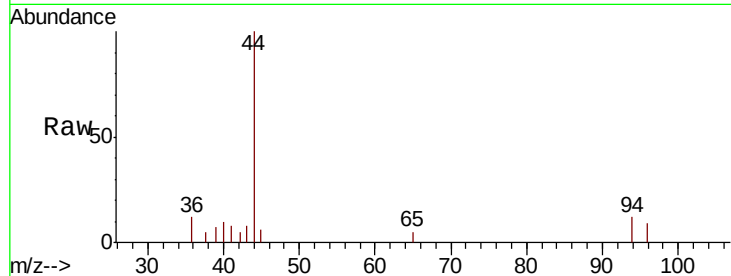
FK-GF-02-028-A

Tot Ion: 94 Resp: 3207

Ion Ratio Lower Upper

94 100

96 74.8 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.20

800

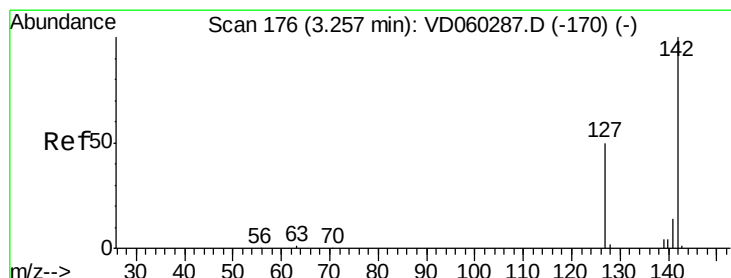
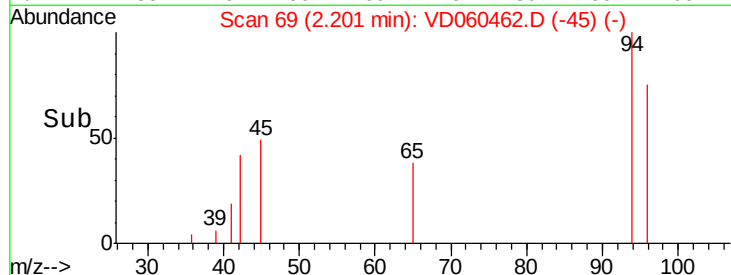
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 6.813 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

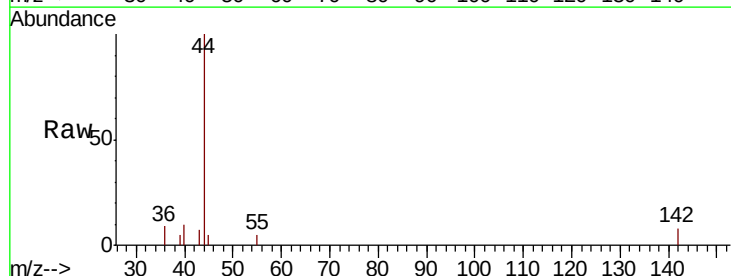
Tgt Ion: 142 Resp: 1619

Ion Ratio Lower Upper

142 100

127 0.0 41.0 61.6#

141 0.0 11.9 17.9#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

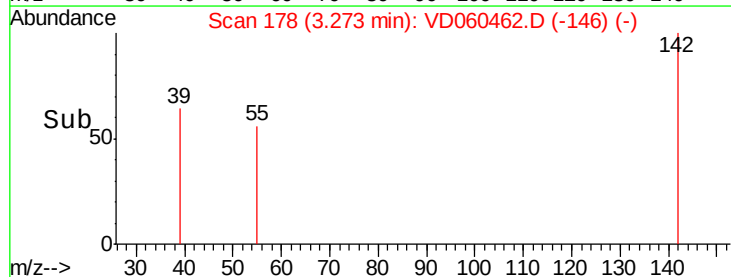
600

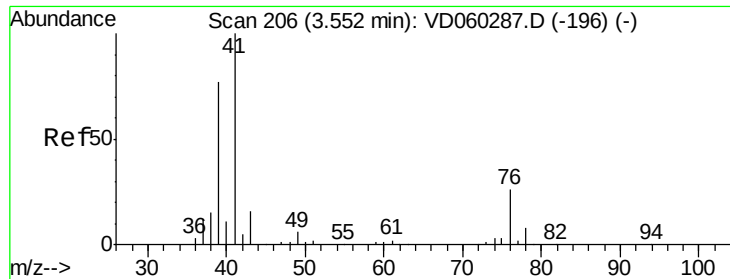
400

200

0

Time-->

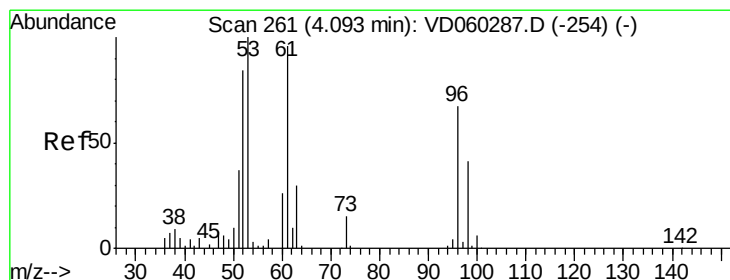
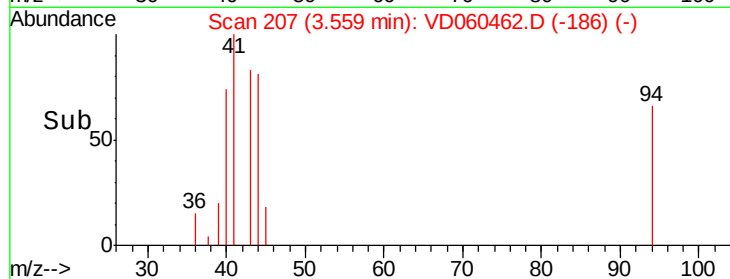
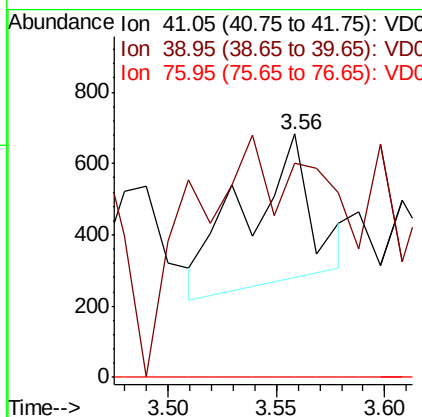
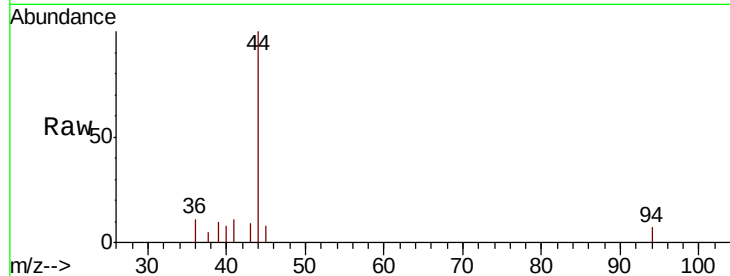




#14
Allvl chloride
Concen: 3.076 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.01 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

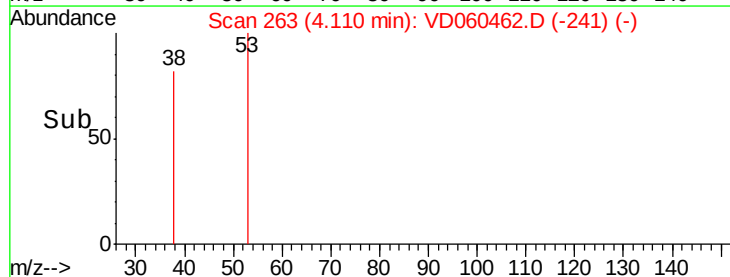
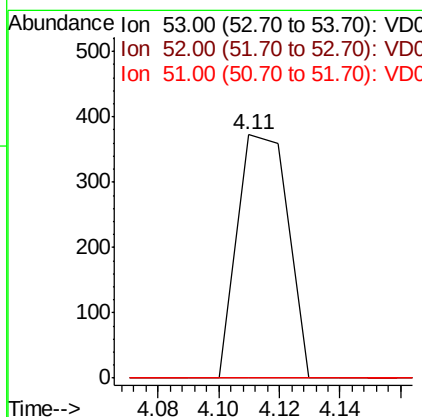
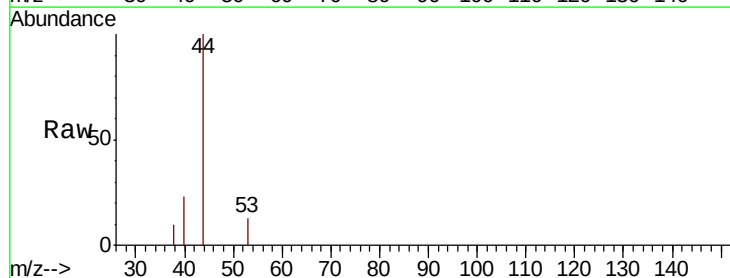
Instrument :
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FK-GF-02-028-A

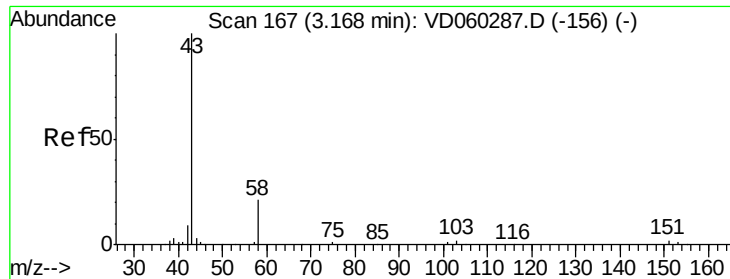
Tot Ion: 41 Resp: 876
Ion Ratio Lower Upper
41 100
39 87.8 60.4 90.6
76 0.0 21.8 32.8#



#15
Acrylonitrile
Concen: 8.261 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion: 53 Resp: 432
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 0.0 29.9 44.9#

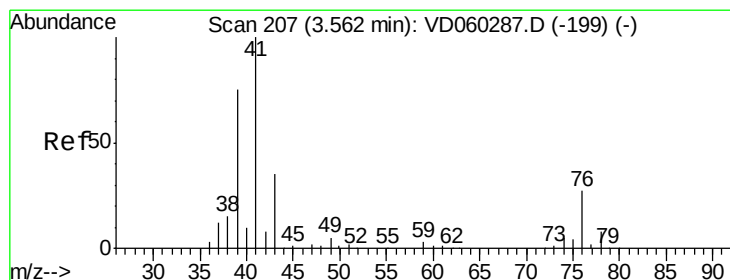
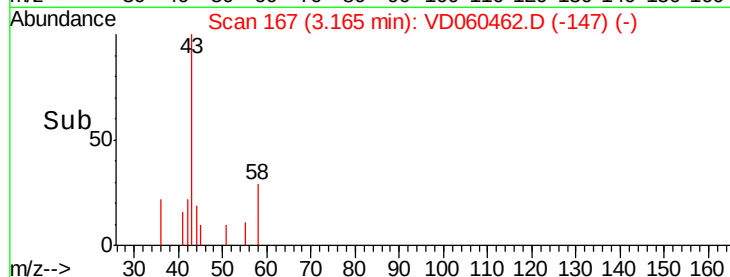
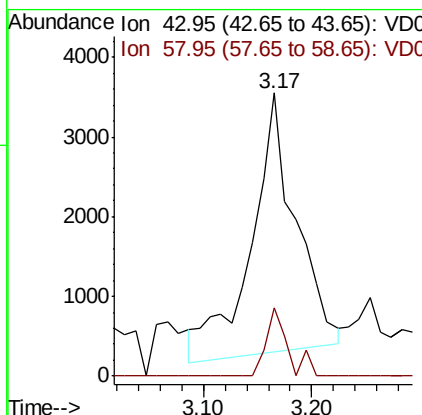
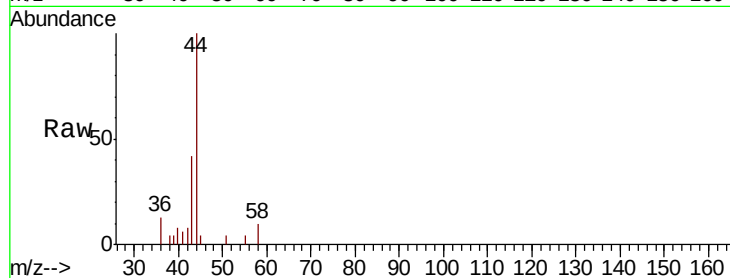




#16
Acetone
Concen: 246.859 ug/l
RT: 3.17 min Scan# 167
Delta R.T. -0.00 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

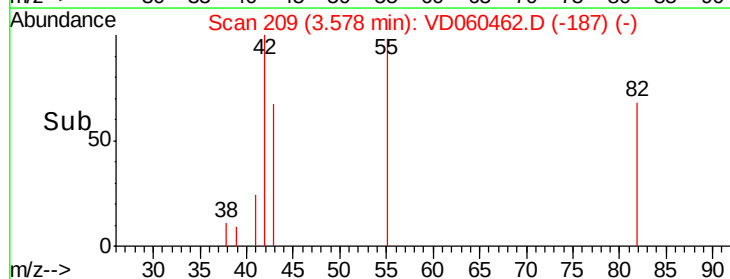
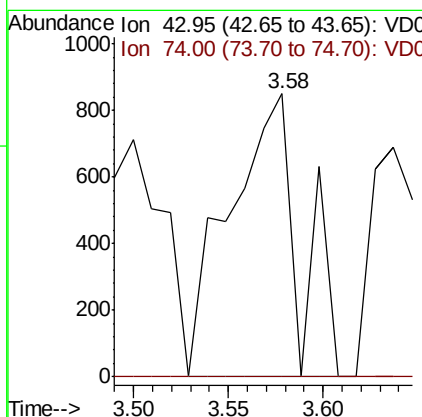
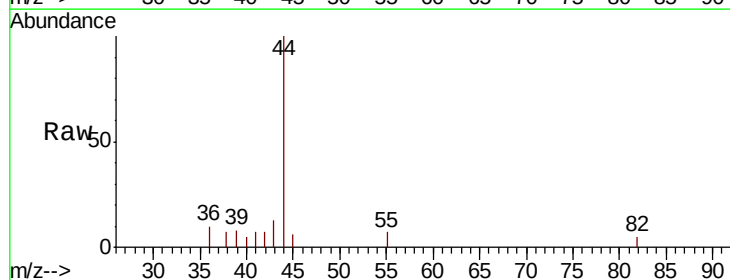
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-A

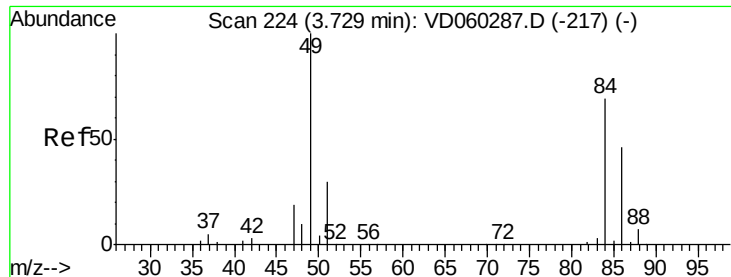
Tot Ion: 43 Resp: 9351
Ion Ratio Lower Upper
43 100
58 24.3 16.9 25.3



#18
Methyl Acetate
Concen: 27.337 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#

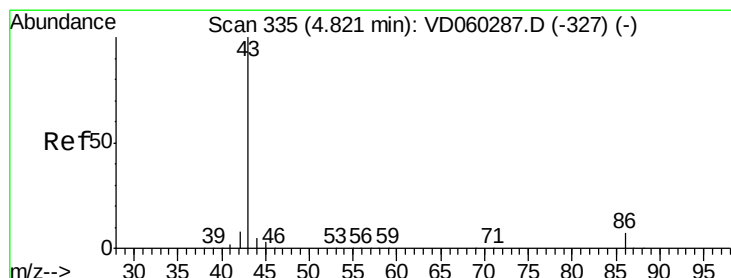
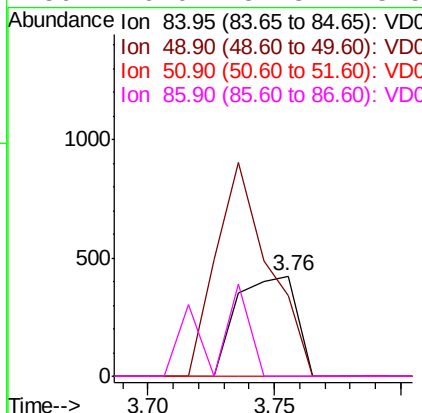
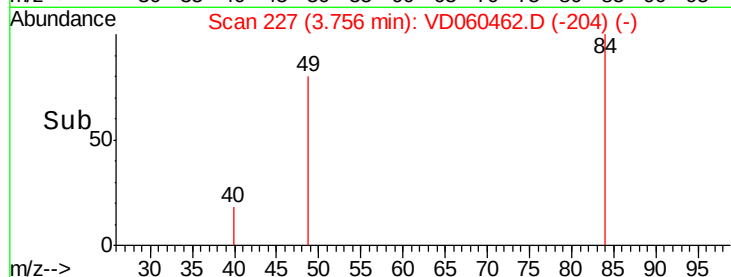
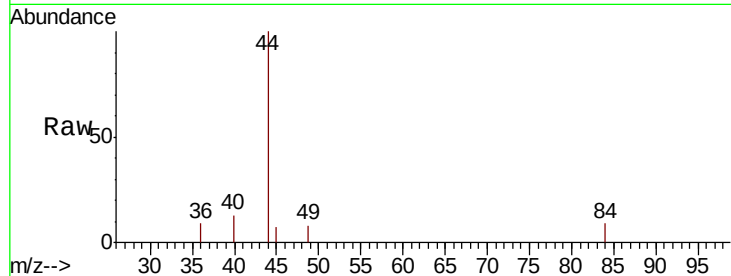




#20
Methvlene Chloride
Concen: 2.065 ug/l
RT: 3.76 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

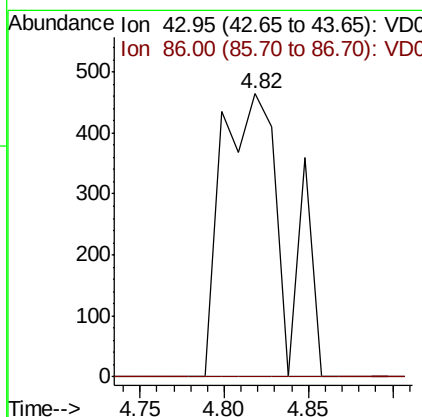
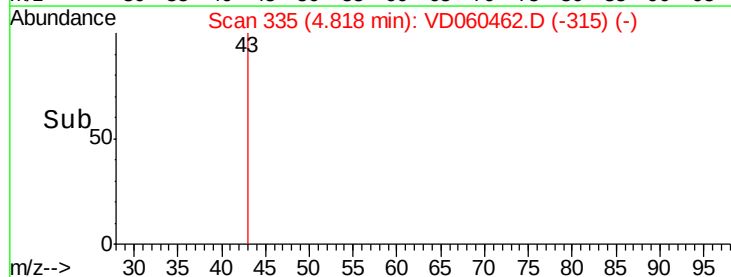
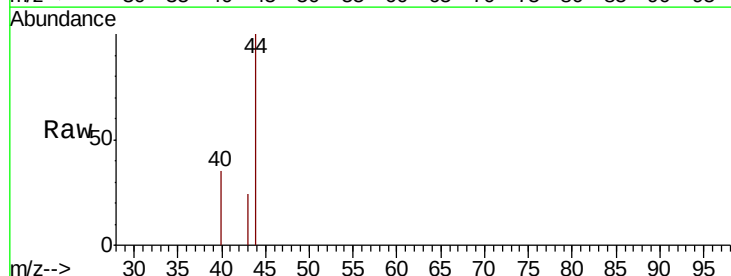
Instrument :
MSVOA_D
ClientSampleId :
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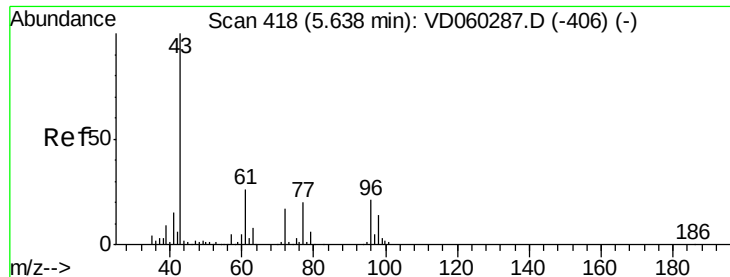
Tot Ion: 84 Resp: 694
Ion Ratio Lower Upper
84 100
49 79.8 115.6 173.4#
51 0.0 35.6 53.4#
86 0.0 52.3 78.5#



#23
Vinyl Acetate
Concen: 2.273 ug/l
RT: 4.82 min Scan# 335
Delta R.T. -0.00 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
86 0.0 5.7 8.5#





#25

2-Butanone

Concen: 11.291 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

Instrument :

MSVOA_D

ClientSampleId :

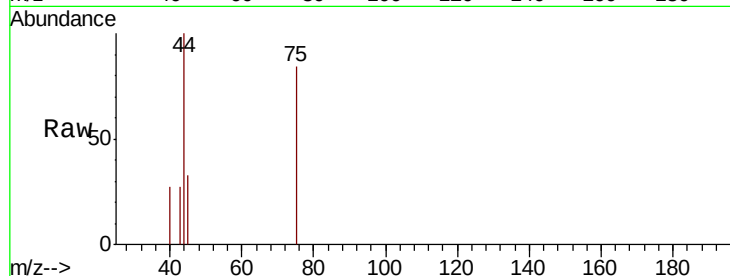
FK-GF-02-028-A

Tot Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

72 0.0 13.8 20.8#

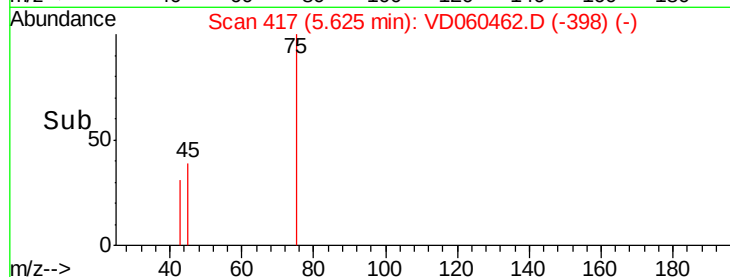


Abundance Ion 42.95 (42.65 to 43.65): VDC

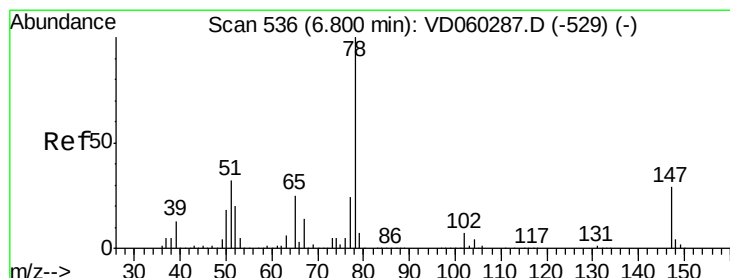
Ion 72.00 (71.70 to 72.70): VDC

5.63

5.65



Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060462.D

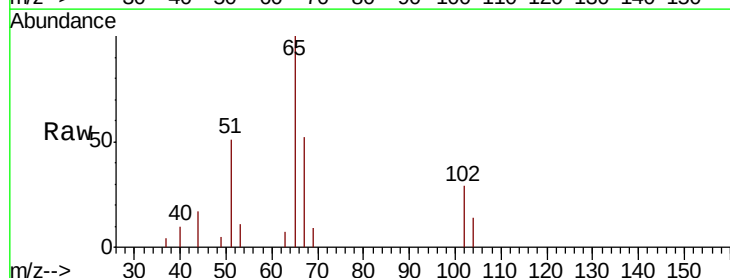
Acq: 29 Nov 2018 12:37

Tgt Ion: 65 Resp: 21669

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.8

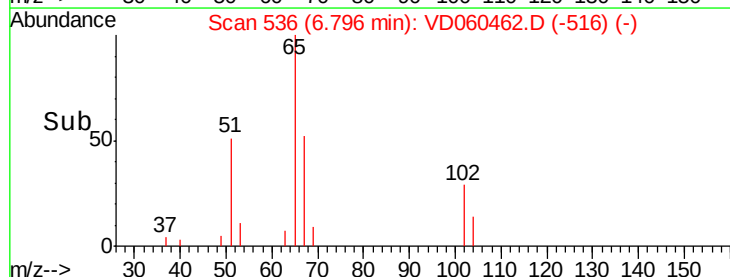


Abundance Ion 64.95 (64.65 to 65.65): VDC

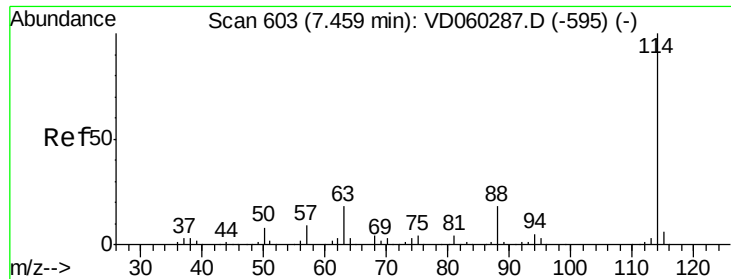
Ion 66.90 (66.60 to 67.60): VDC

6.80

6.90



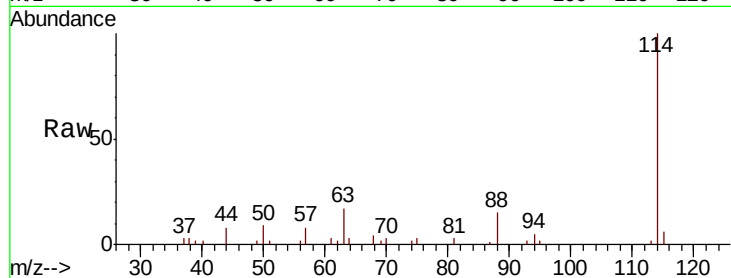
Time-->



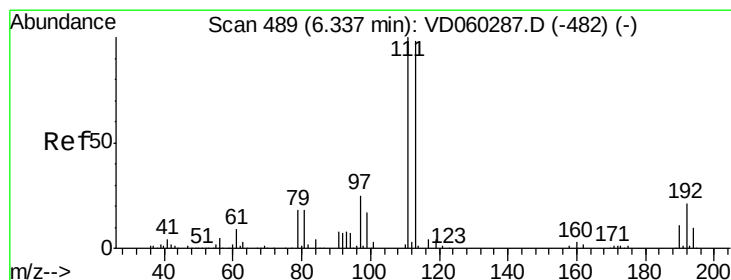
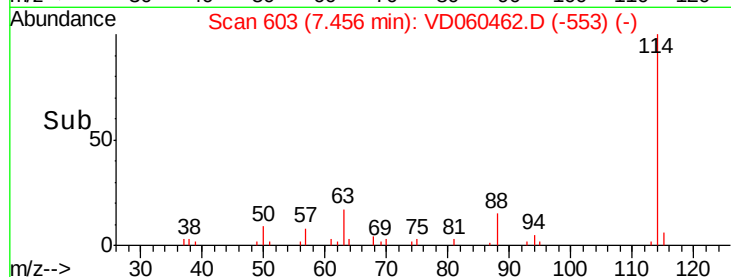
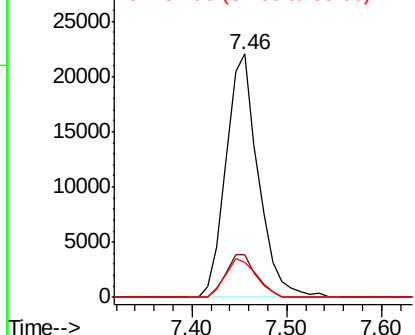
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

Tot Ion:114 Resp: 52074
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.0
 88 14.6 0.0 35.4

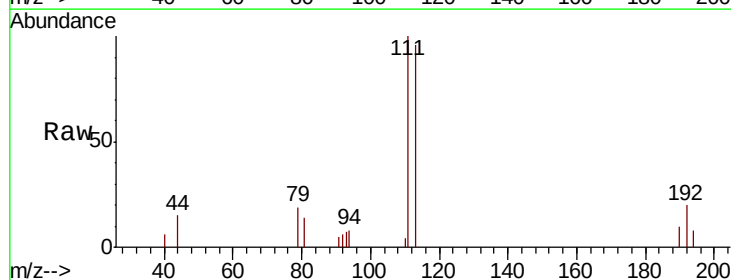


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

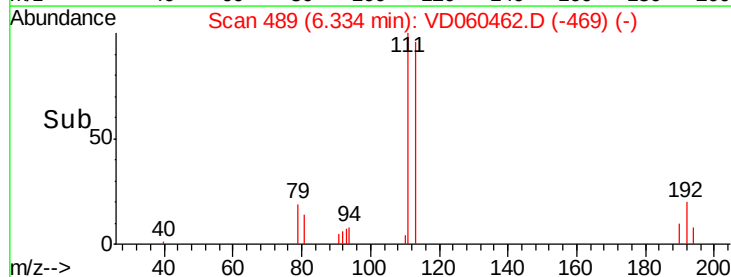
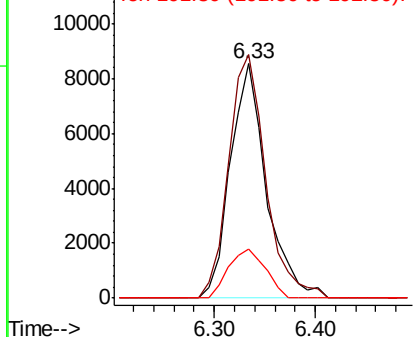


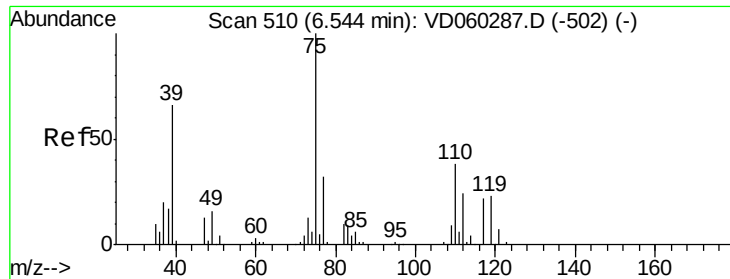
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Tgt Ion:113 Resp: 21194
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 20.8 16.5 24.7



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

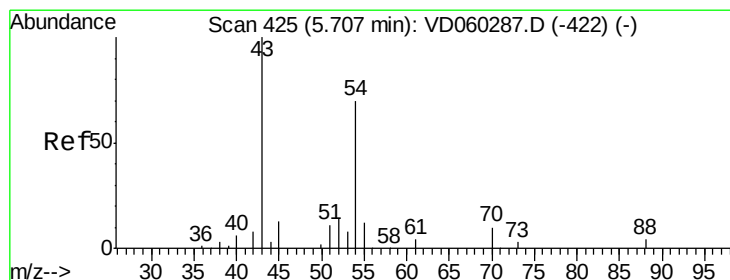
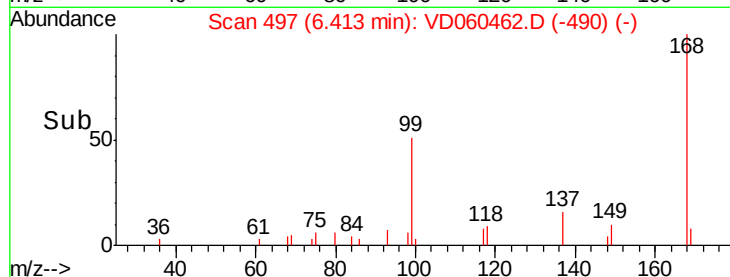
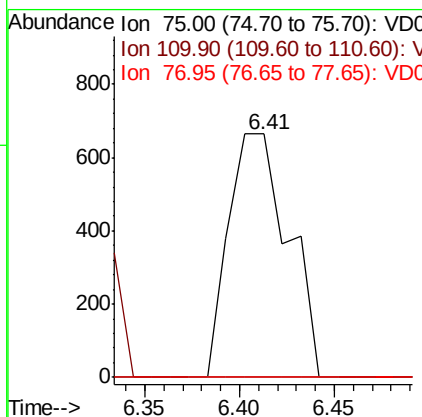
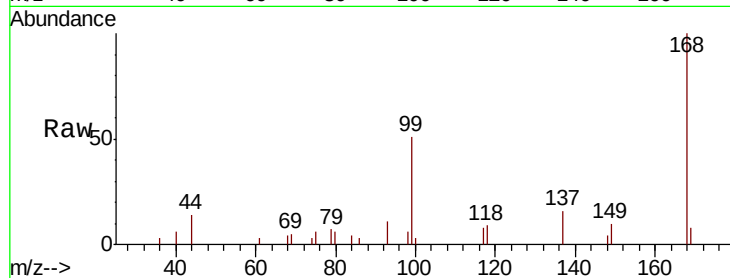




#36
 1,1-Dichloropropene
 Concen: 2.820 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

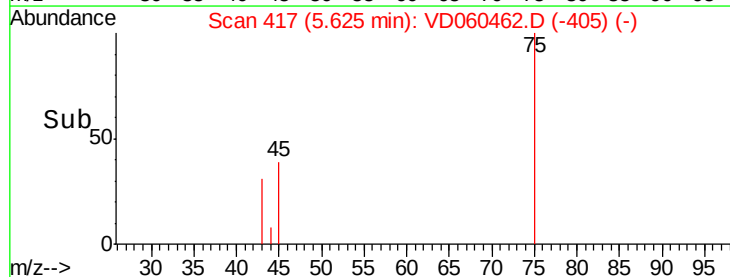
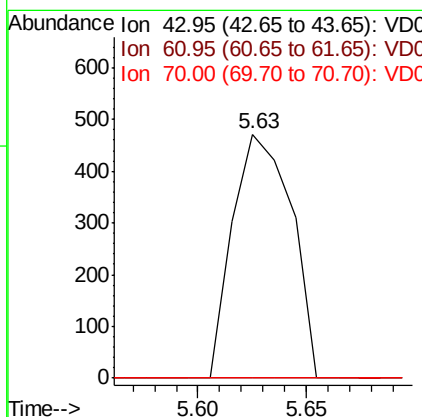
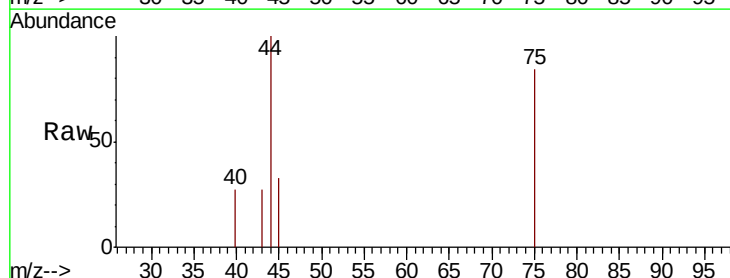
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

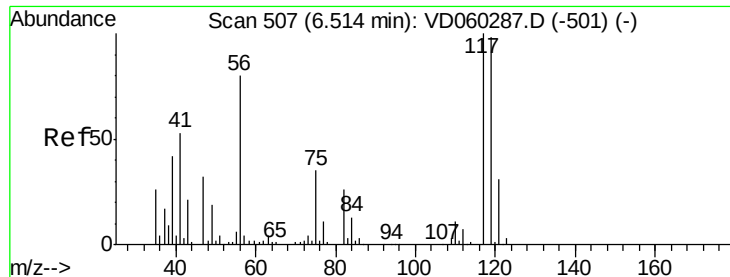
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 3.755 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.08 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	6.2	9.4#

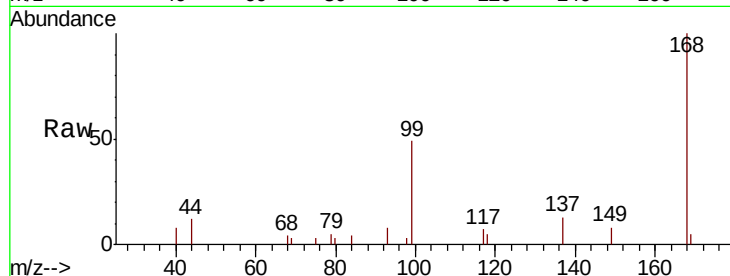




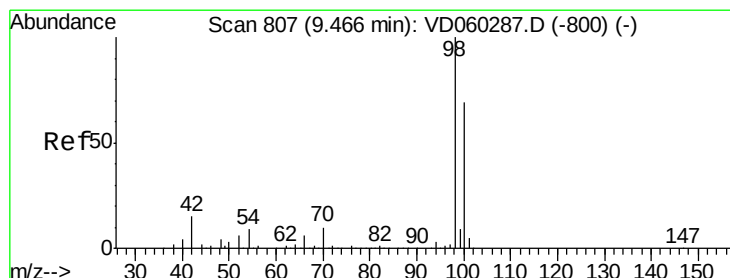
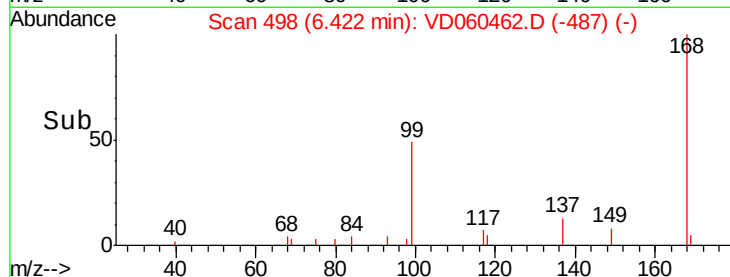
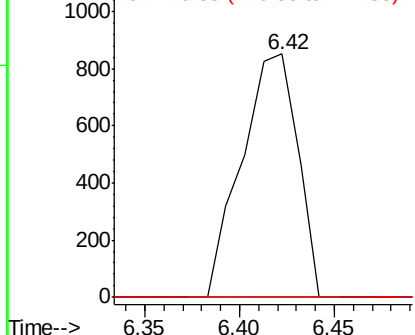
#38
Carbon Tetrachloride
Concen: 3.659 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-A

Tot Ion:117 Resp: 1746
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#

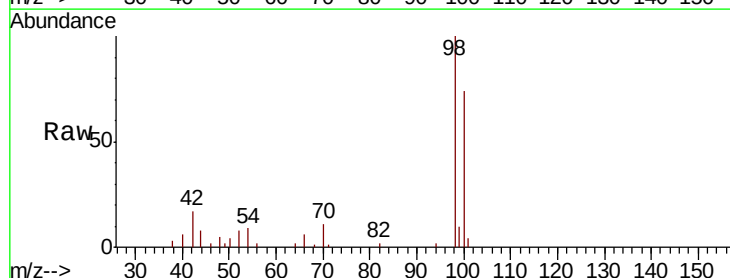


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

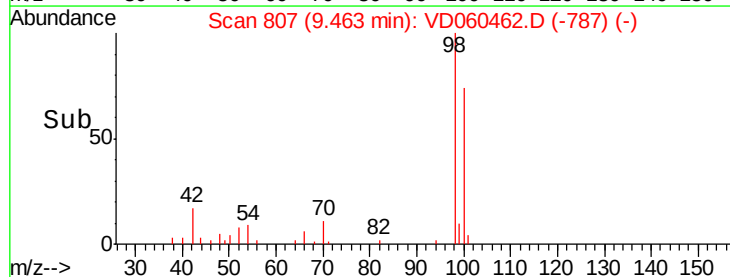
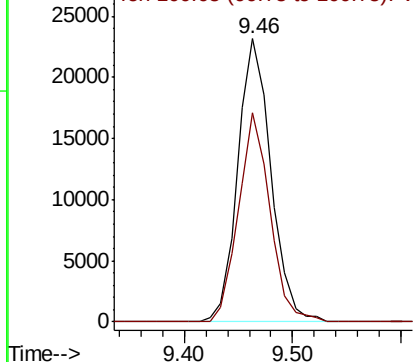


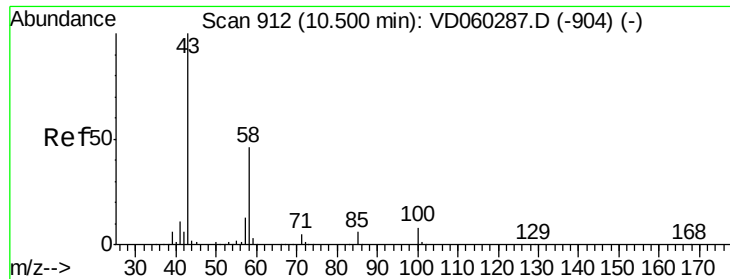
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion: 98 Resp: 49220
Ion Ratio Lower Upper
98 100
100 73.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

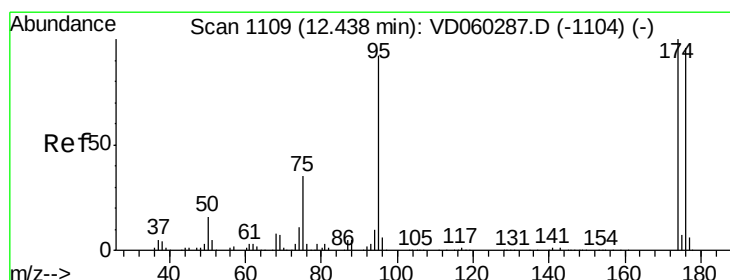
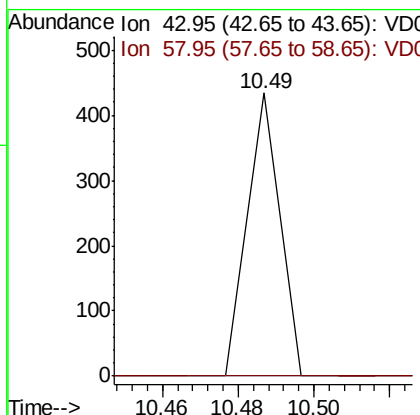
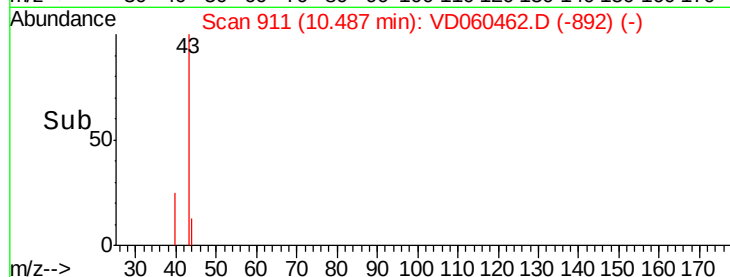
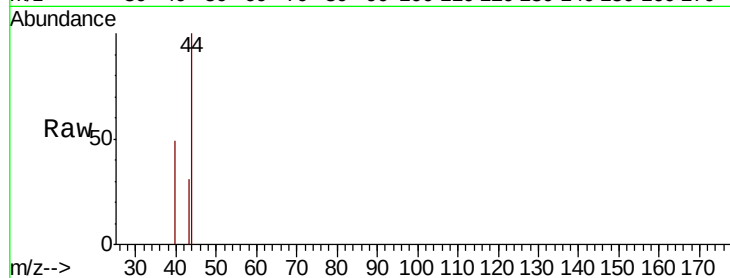




#59
2-Hexanone
Concen: 1.856 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

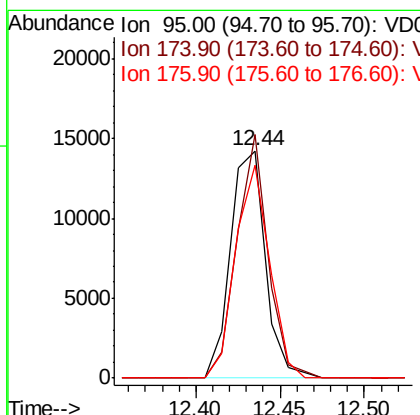
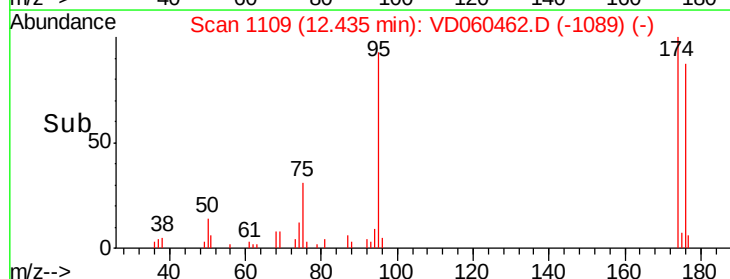
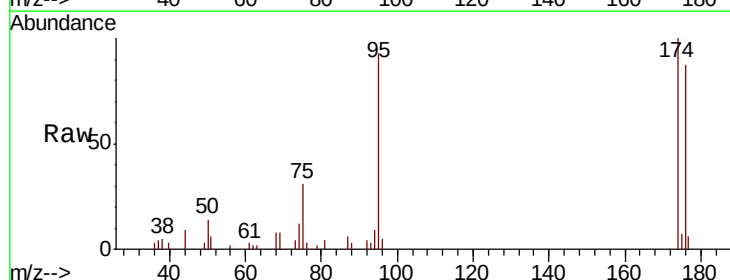
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-A

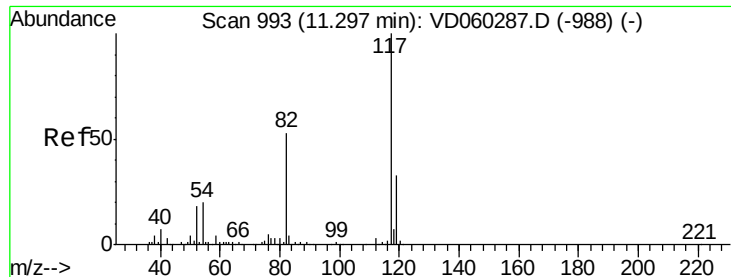
Tot Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 22.9 68.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion: 95 Resp: 20498
Ion Ratio Lower Upper
95 100
174 107.0 0.0 160.8
176 93.4 0.0 154.6

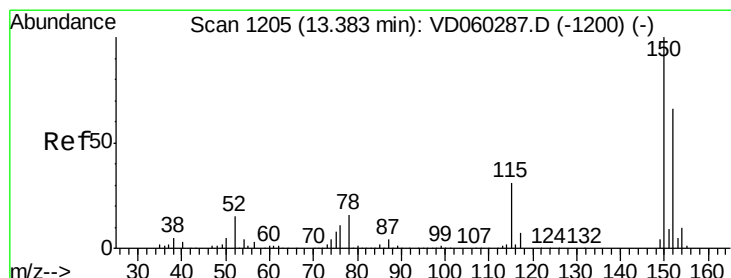
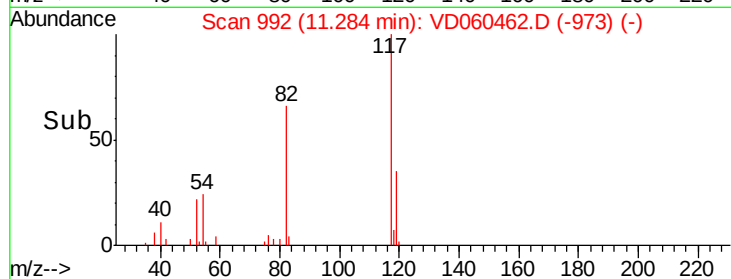
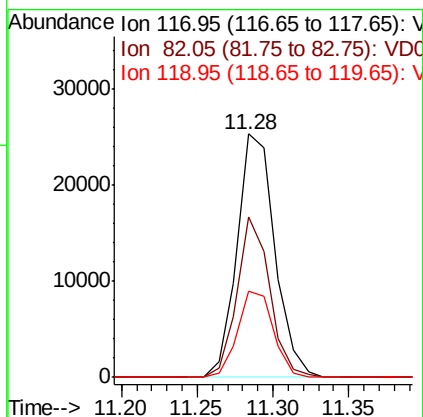
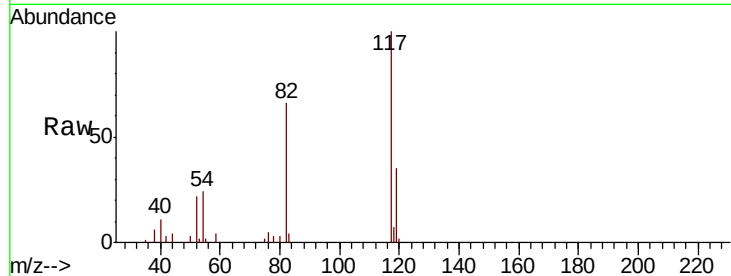




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

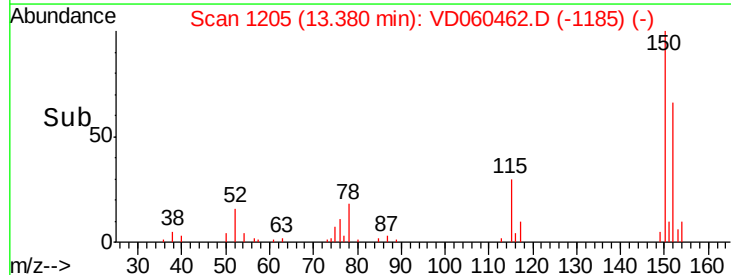
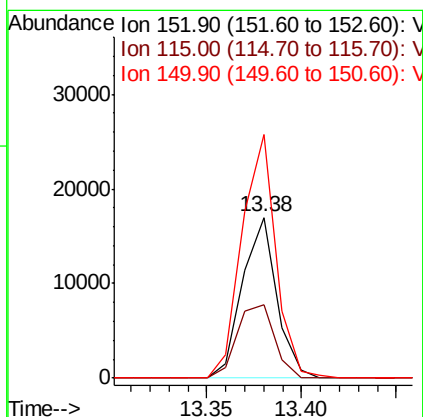
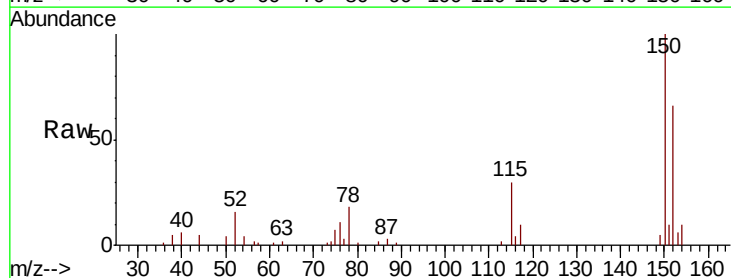
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-028-A

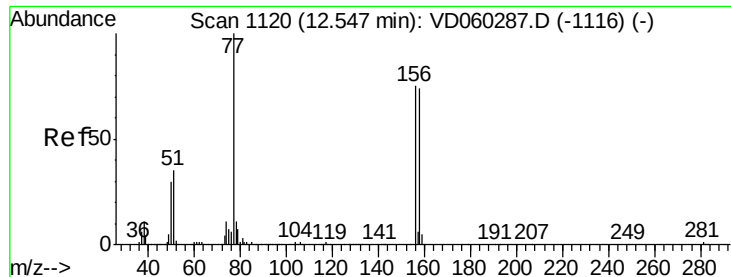
Tot Ion:117 Resp: 43697
Ion Ratio Lower Upper
117 100
82 65.7 43.7 65.5#
119 35.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060462.D
Acq: 29 Nov 2018 12:37

Tgt Ion:152 Resp: 21320
Ion Ratio Lower Upper
152 100
115 45.3 24.1 72.3
150 151.4 0.0 310.6





#77

Bromobenzene

Concen: 1.076 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-A

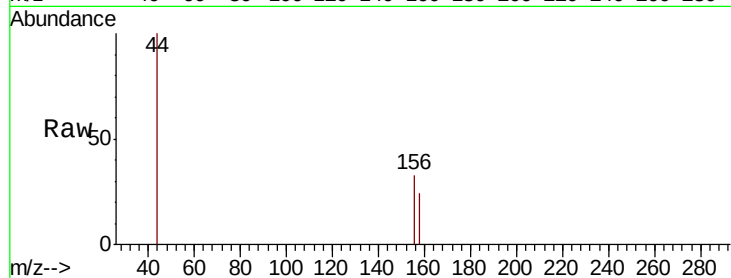
Tot Ion:156 Resp: 444

Ion Ratio Lower Upper

156 100

77 0.0 61.2 183.6#

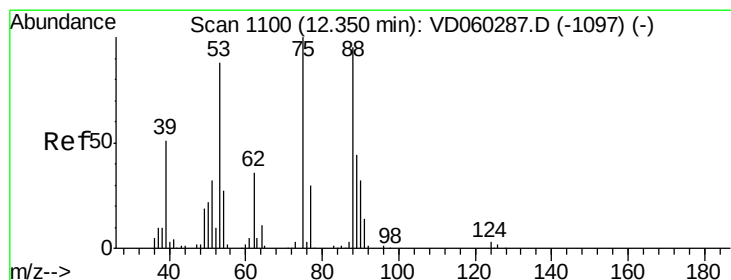
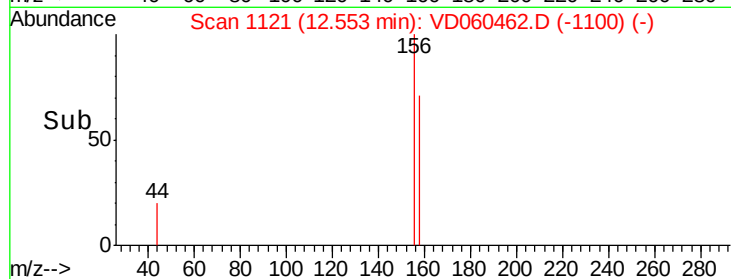
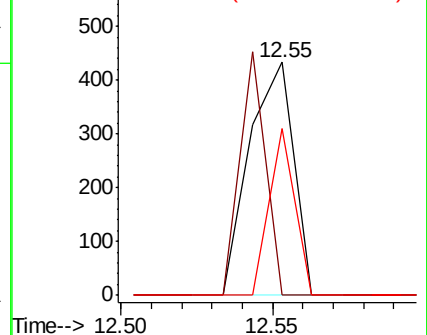
158 71.4 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#81

trans-1,4-Dichloro-2-butene

Concen: 110.662 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

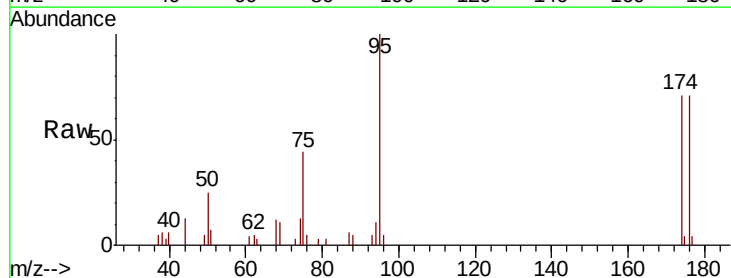
Tgt Ion: 75 Resp: 8035

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

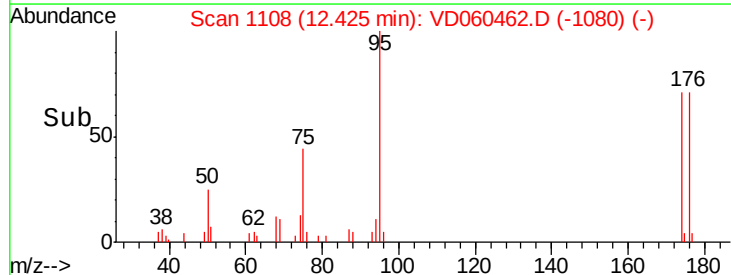
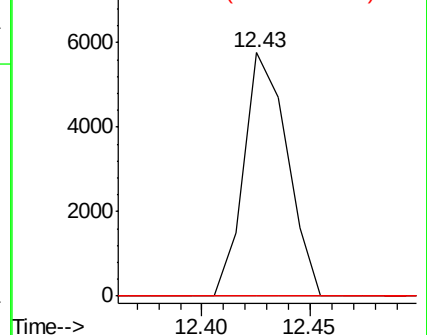
89 0.0 34.1 51.1#

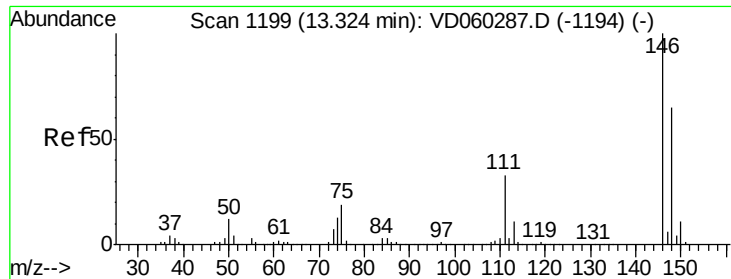


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

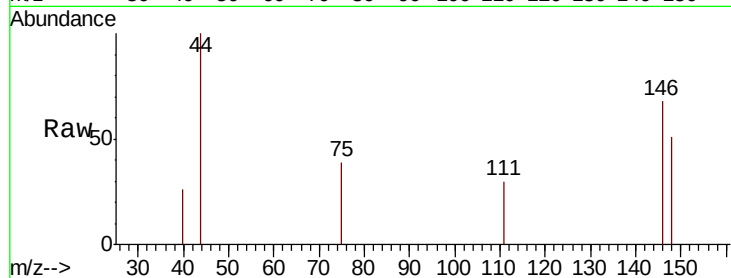




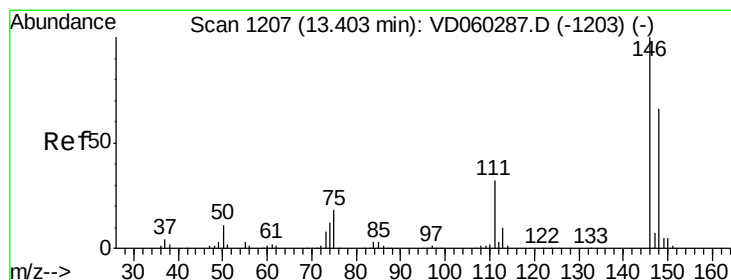
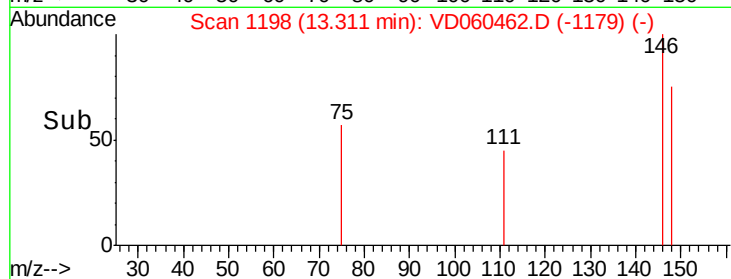
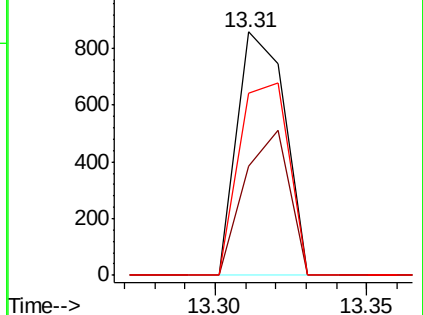
#87
 1,3-Dichlorobenzene
 Concen: 1.293 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

Tot Ion:146 Resp: 949
 Ion Ratio Lower Upper
 146 100
 111 44.7 20.2 60.5
 148 74.7 32.0 96.0

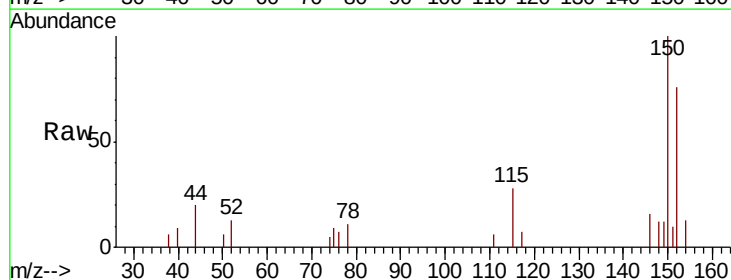


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

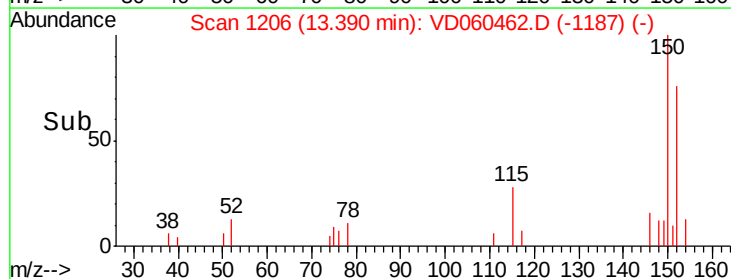
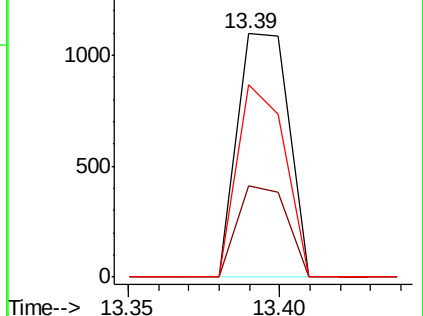


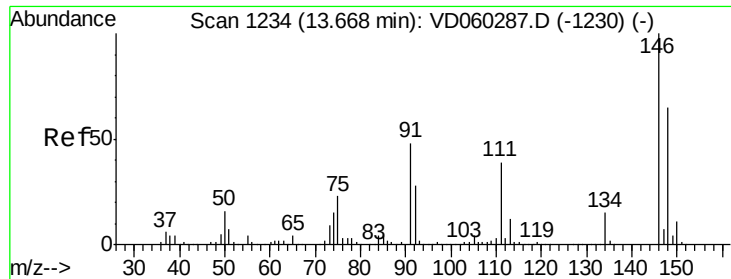
#88
 1,4-Dichlorobenzene
 Concen: 1.797 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Tgt Ion:146 Resp: 1288
 Ion Ratio Lower Upper
 146 100
 111 37.7 16.0 47.9
 148 78.9 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

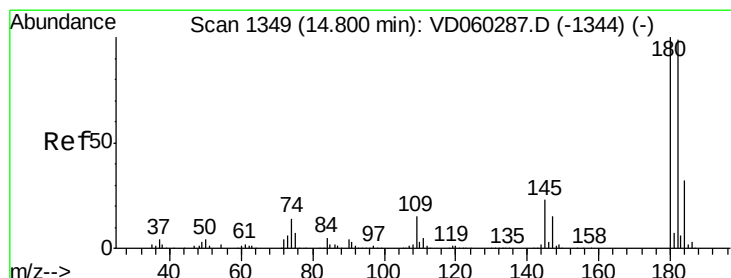
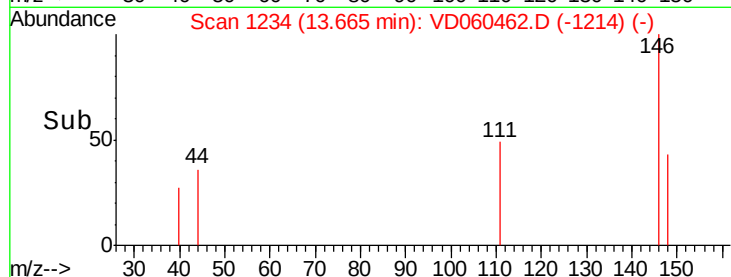
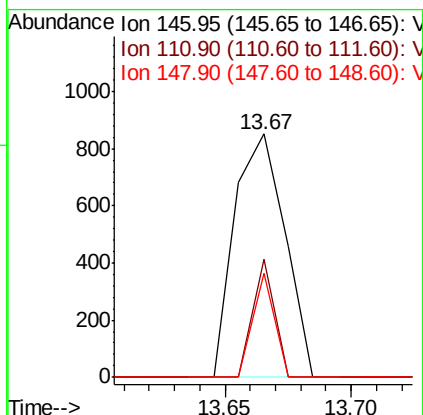
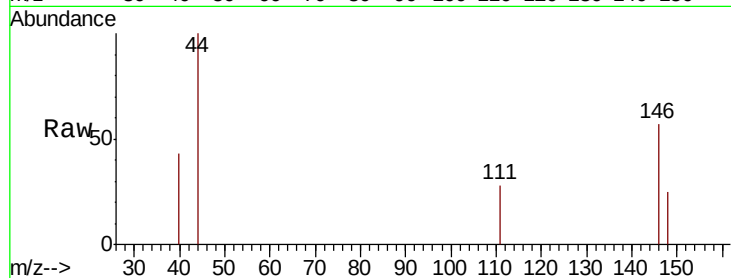




#91
 1,2-Dichlorobenzene
 Concen: 1.950 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

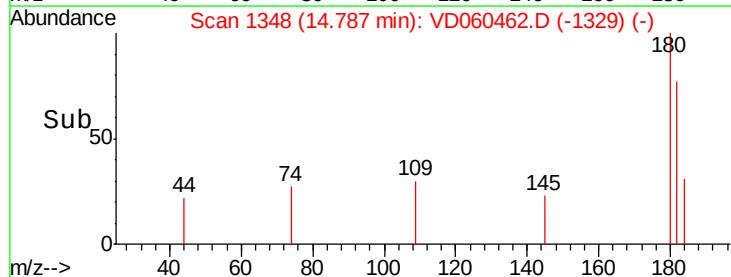
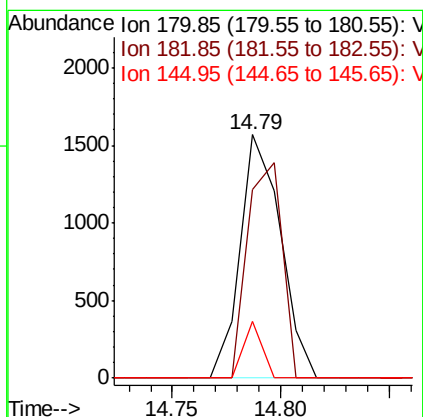
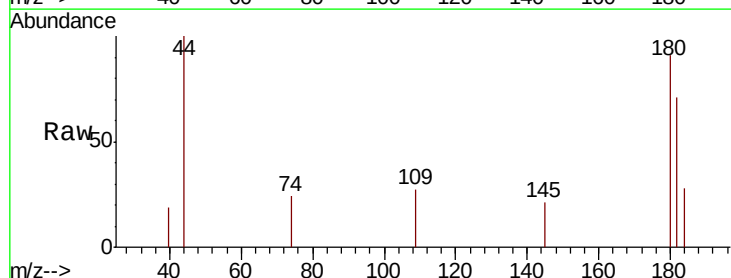
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

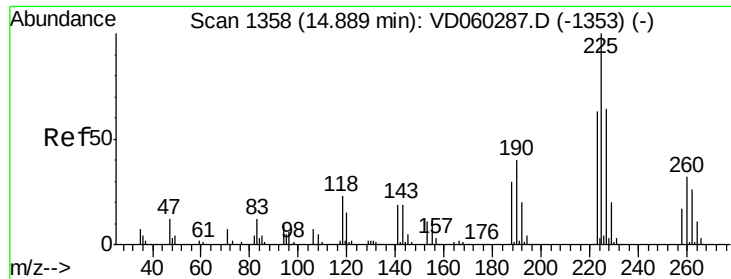
Tot Ion:146 Resp: 1176
 Ion Ratio Lower Upper
 146 100
 111 48.6 18.9 56.9
 148 42.7 31.6 94.8



#93
 1,2,4-Trichlorobenzene
 Concen: 4.267 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Tgt Ion:180 Resp: 2040
 Ion Ratio Lower Upper
 180 100
 182 77.4 48.1 144.4
 145 23.4 11.5 34.4





#94

Hexachlorobutadiene

Concen: 1.074 ug/l

RT: 14.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-028-A

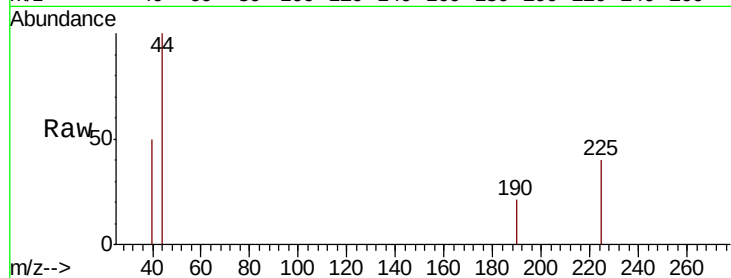
Tot Ion:225 Resp: 384

Ion Ratio Lower Upper

225 100

223 0.0 31.6 94.8#

227 0.0 32.3 96.9#



Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

14.89

800

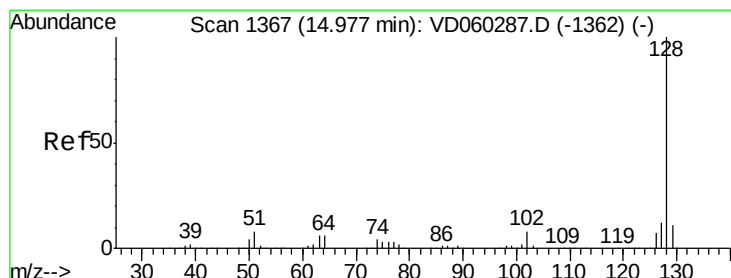
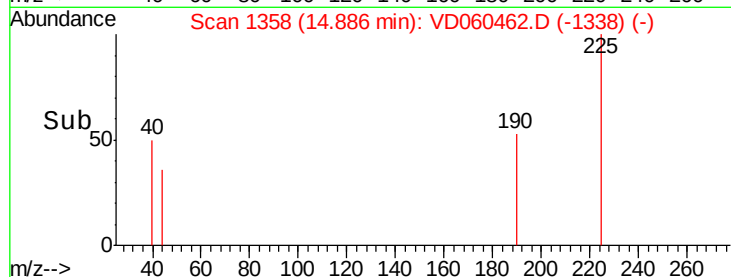
600

400

200

0

Time-->



#95

Naphthalene

Concen: 5.754 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060462.D

Acq: 29 Nov 2018 12:37

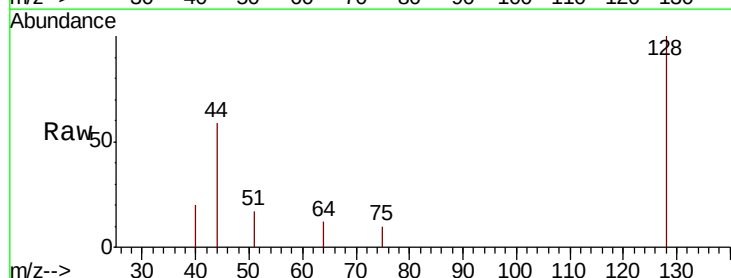
Tgt Ion:128 Resp: 3359

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.97

4000

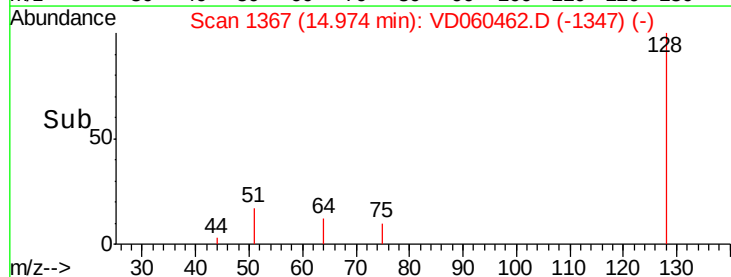
3000

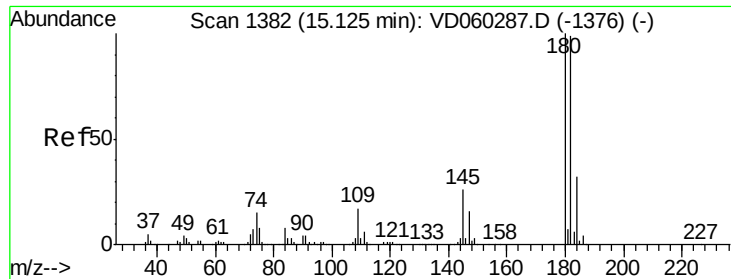
2000

1000

0

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 5.294 ug/l
 RT: 15.12 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VD060462.D
 Acq: 29 Nov 2018 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-028-A

Tot Ion:	180	Resp:	2028
Ion	Ratio	Lower	Upper
180	100		
182	102.8	48.9	146.7
145	30.2	12.9	38.6

