

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060818.D
 Acq On : 1 Feb 2019 14:42
 Operator : VA/AP
 Sample : K1284-02RE
 Misc : 4.39g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-004-ABCDRE

Quant Time: Feb 02 00:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	551097	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.96	114	746724	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	642047	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	342188	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	348495	41.25	ug/l	-0.03
Spiked Amount			Recovery	=	82.50%	
35) Dibromofluoromethane	6.66	113	279033	38.96	ug/l	-0.02
Spiked Amount			Recovery	=	77.92%	
50) Toluene-d8	10.16	98	617635	36.93	ug/l	-0.03
Spiked Amount			Recovery	=	73.86%	
62) 4-Bromofluorobenzene	13.34	95	334381	39.78	ug/l	-0.02
Spiked Amount			Recovery	=	79.56%	

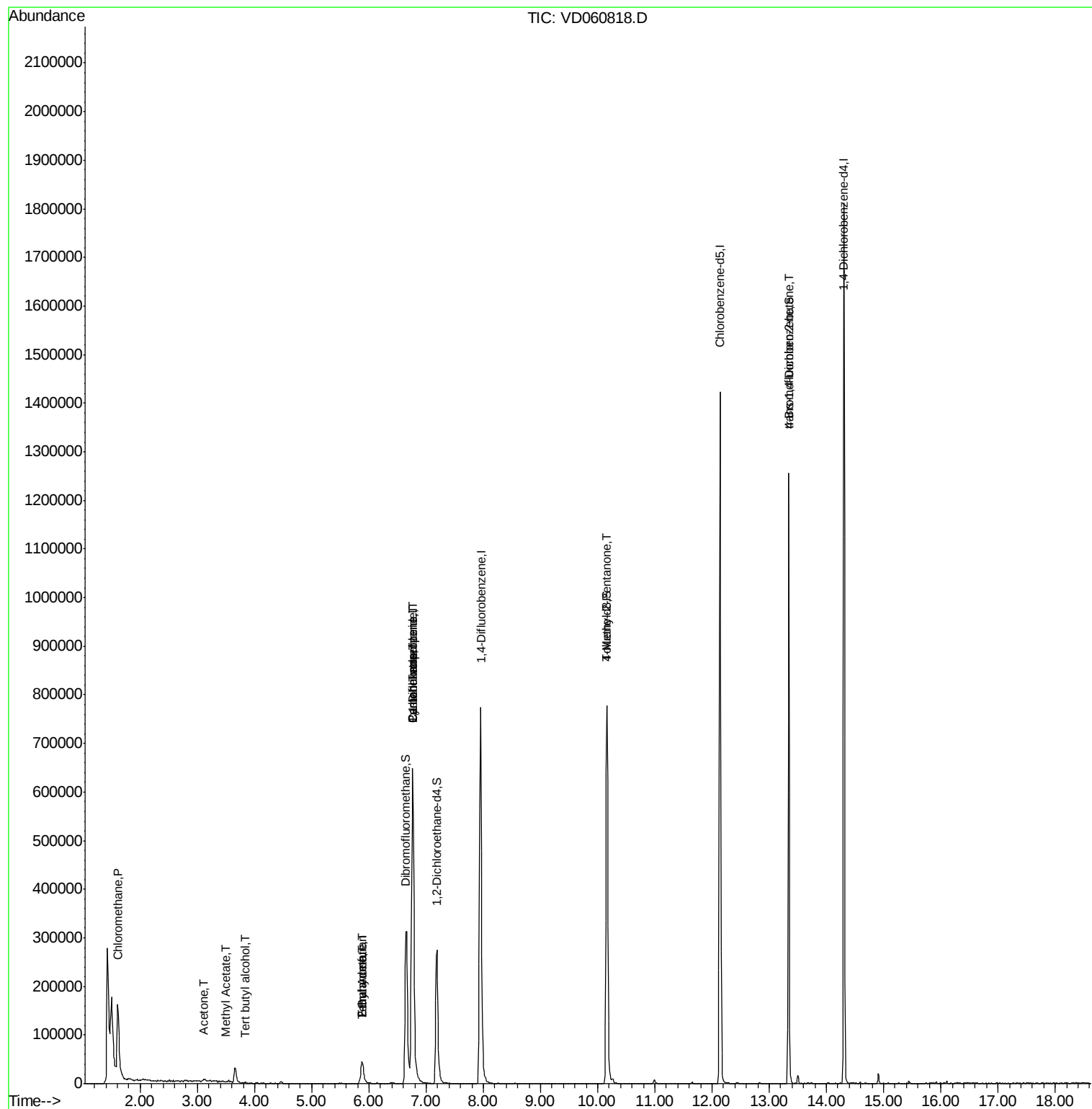
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.61	50	18204	4.538	ug/l #	75
11) Tert butyl alcohol	3.84	59	1078	2.670	ug/l #	69
13) Acrolein	3.09	56	372	Below Cal	#	78
16) Acetone	3.10	43	12378	10.144	ug/l #	59
18) Methyl Acetate	3.50	43	2852	1.179	ug/l #	63
20) Methylene Chloride	3.65	84	18231	Below Cal		86
25) 2-Butanone	5.88	43	4824	3.089	ug/l #	59
29) Tetrahydrofuran	5.90	42	1815	2.420	ug/l #	33
31) Cyclohexane	6.76	56	17769	2.292	ug/l #	1
36) 1,1-Dichloropropene	6.76	75	55423	6.216	ug/l #	55
37) Ethyl Acetate	5.88	43	4824	1.212	ug/l #	30
38) Carbon Tetrachloride	6.76	117	65533	5.862	ug/l #	15
51) 4-Methyl-2-Pentanone	10.16	43	4657	1.385	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.34	75	176147	107.674	ug/l #	1

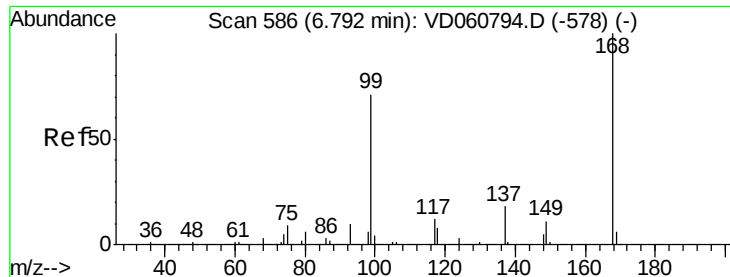
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 29 13:53:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

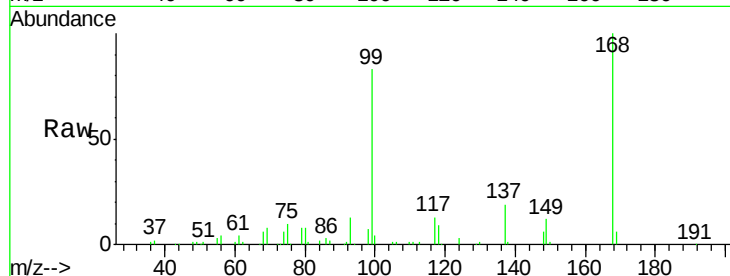
FK-BPM-03-004-ABCDRE

Tot Ion:168 Resp: 551097

Ion Ratio Lower Upper

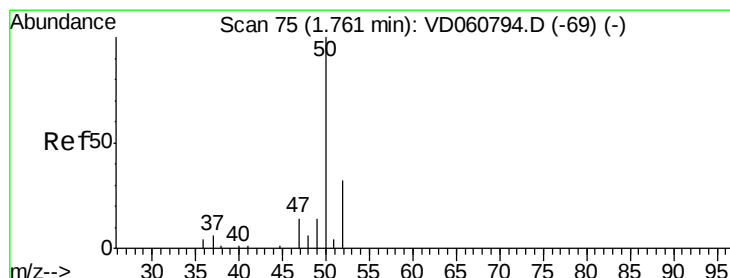
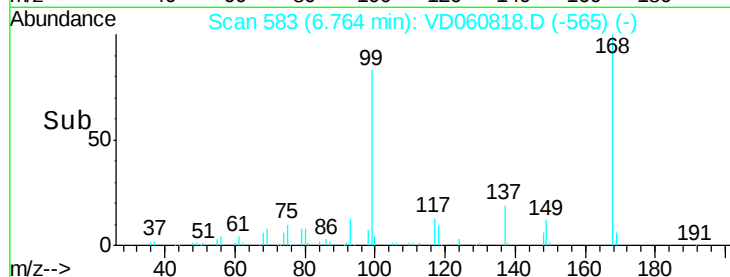
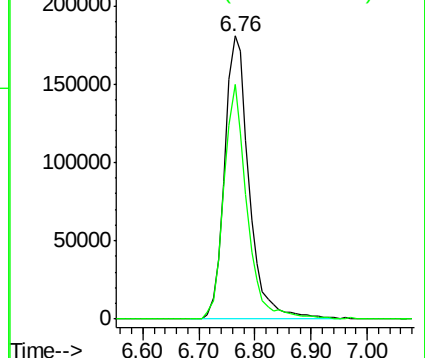
168 100

99 82.7 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 4.538 ug/l

RT: 1.61 min Scan# 59

Delta R.T. -0.16 min

Lab File: VD060818.D

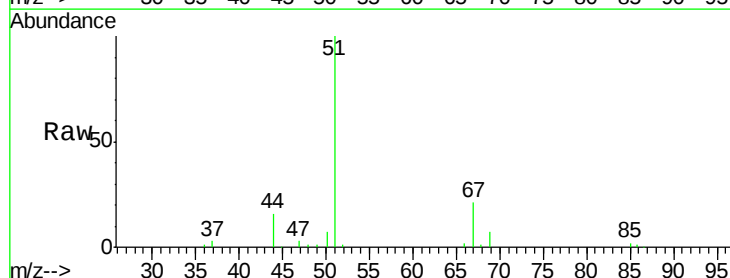
Acq: 1 Feb 2019 14:42

Tgt Ion: 50 Resp: 18204

Ion Ratio Lower Upper

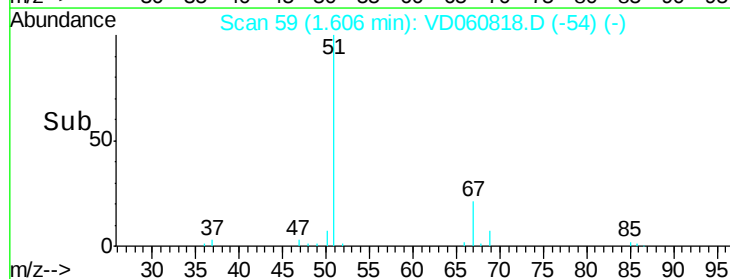
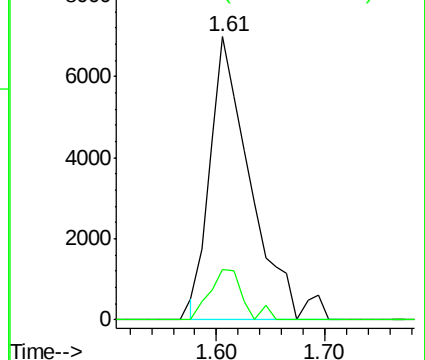
50 100

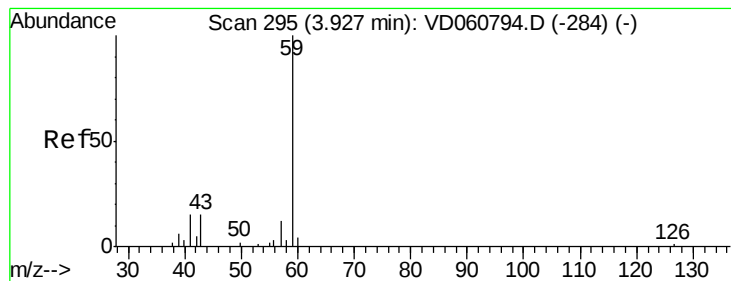
52 17.6 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



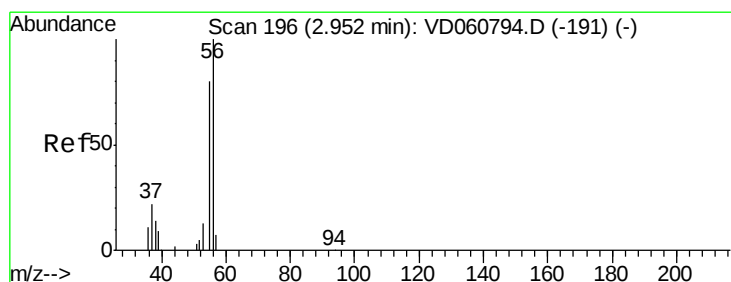
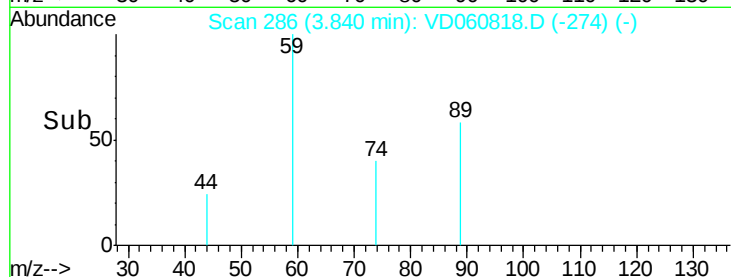
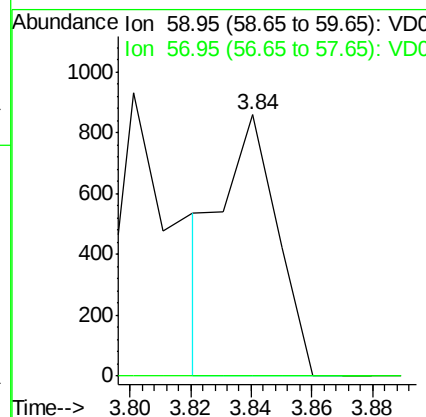
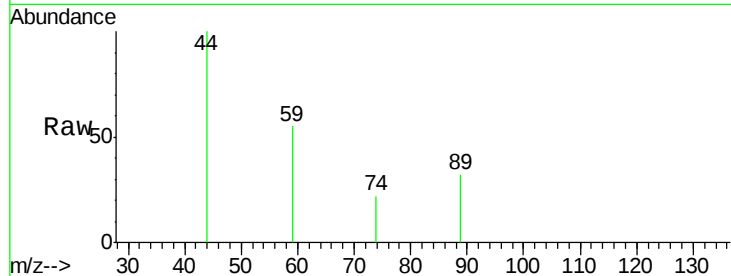


#11

Tert butyl alcohol
 Concen: 2.670 ug/l
 RT: 3.84 min Scan# 286
 Delta R.T. -0.09 min
 Lab File: VD060818.D
 Acq: 1 Feb 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-004-ABCDRE

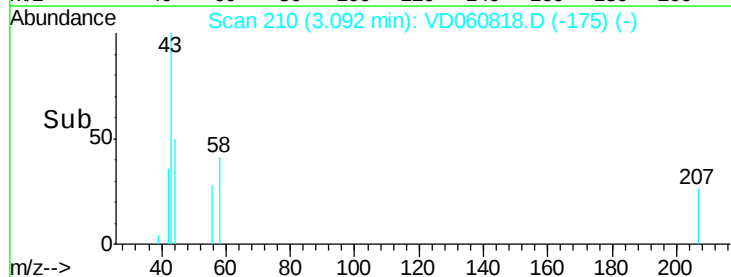
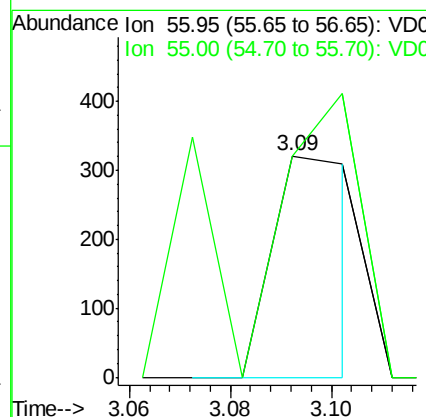
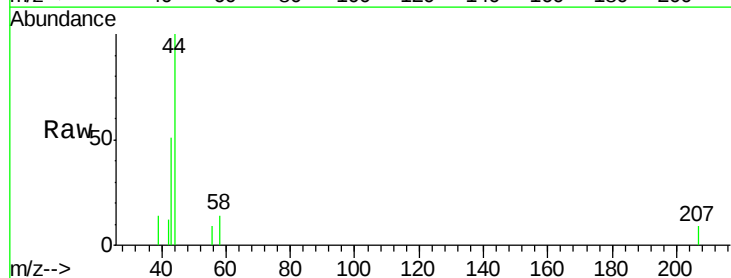
Tot Ion: 59 Resp: 1078
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.8 14.6#

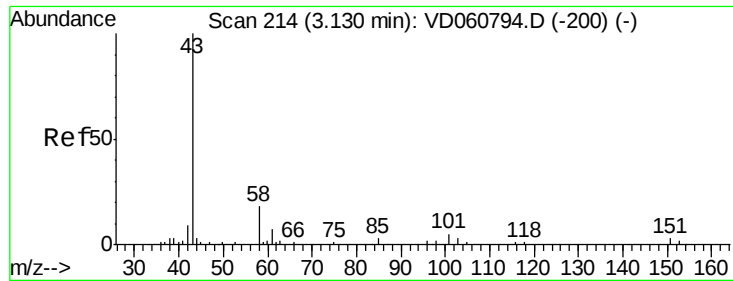


#13

Acrolein
 Concen: Below Cal
 RT: 3.09 min Scan# 210
 Delta R.T. 0.14 min
 Lab File: VD060818.D
 Acq: 1 Feb 2019 14:42

Tgt Ion: 56 Resp: 372
 Ion Ratio Lower Upper
 56 100
 55 100.0 64.2 96.2#





#16

Acetone

Concen: 10.144 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

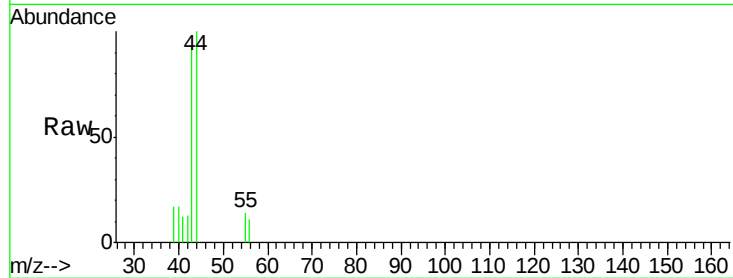
FK-BPM-03-004-ABCDRE

Tot Ion: 43 Resp: 12378

Ion Ratio Lower Upper

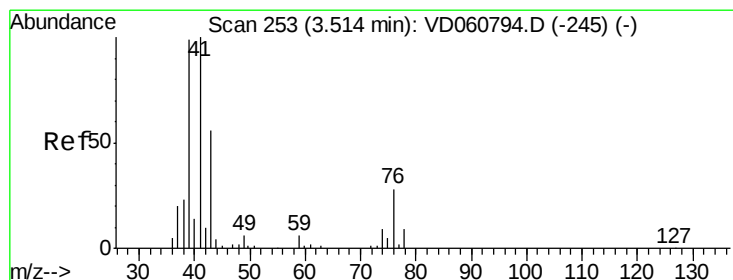
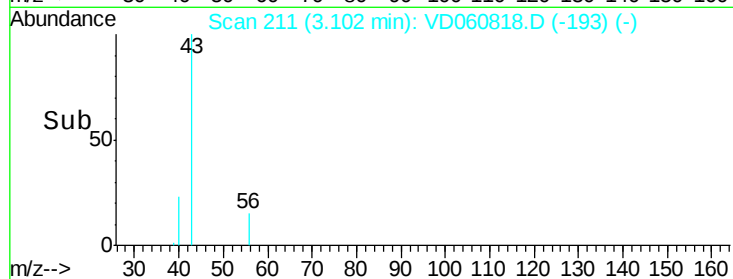
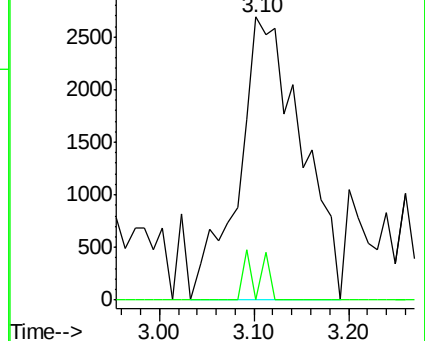
43 100

58 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.179 ug/l

RT: 3.50 min Scan# 251

Delta R.T. -0.02 min

Lab File: VD060818.D

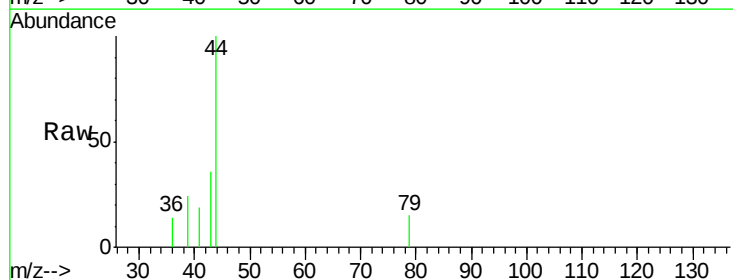
Acq: 1 Feb 2019 14:42

Tgt Ion: 43 Resp: 2852

Ion Ratio Lower Upper

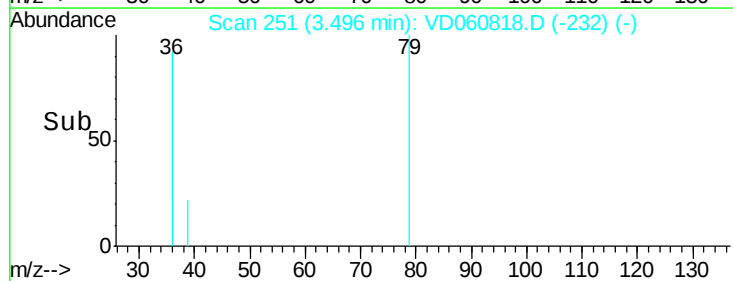
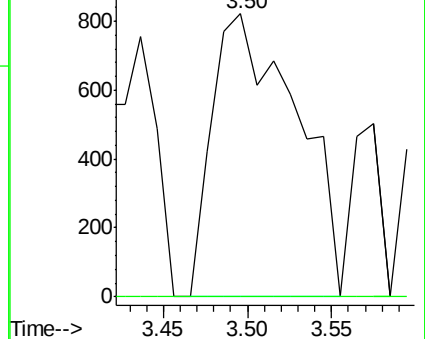
43 100

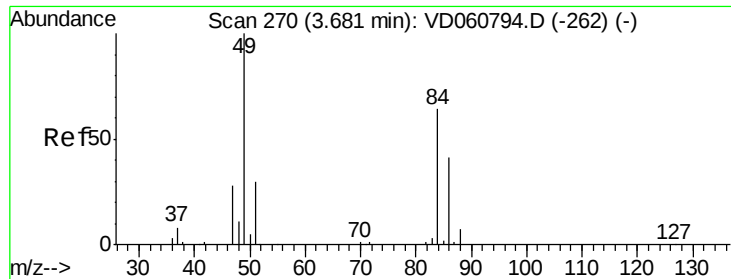
74 0.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

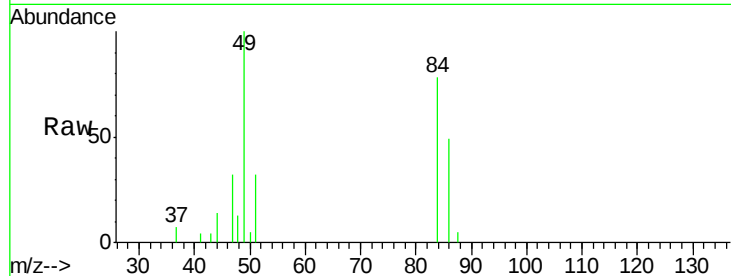




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-004-ABCDRE

Tot Ion	84	Resp	18231
Ion	Ratio	Lower	Upper
84	100		
49	128.4	124.2	186.2
51	41.0	38.1	57.1
86	63.0	50.6	76.0

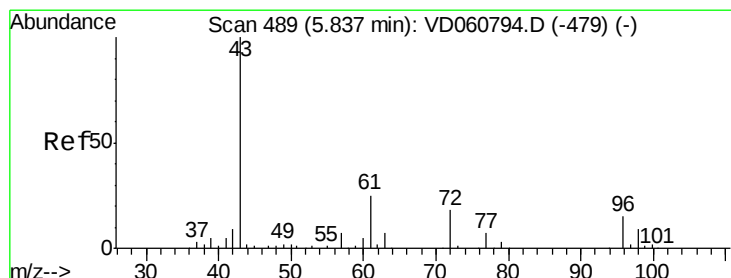
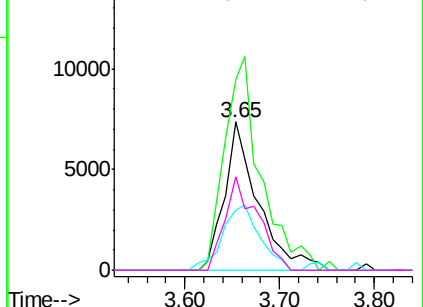
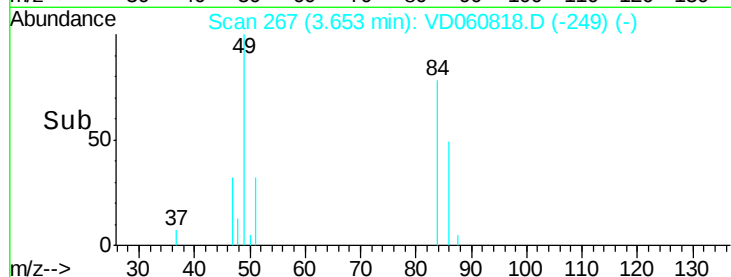


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

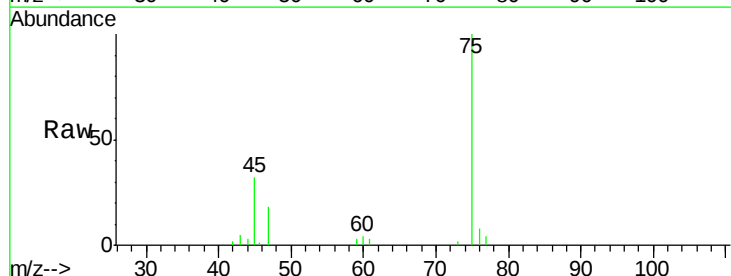
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



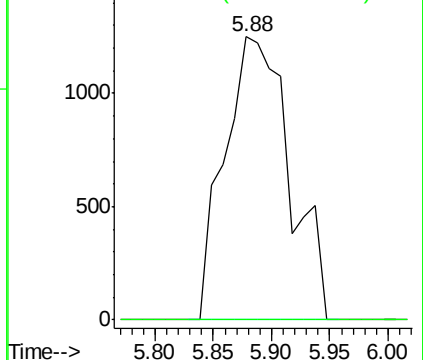
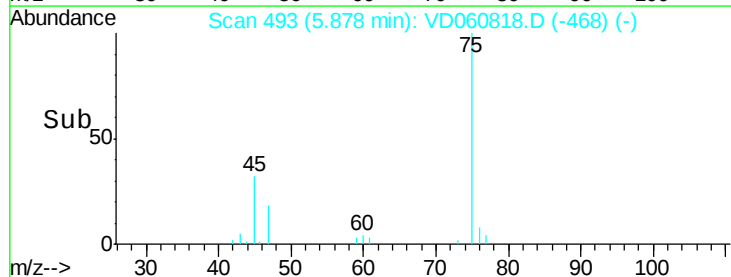
#25
2-Butanone
Concen: 3.089 ug/l
RT: 5.88 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

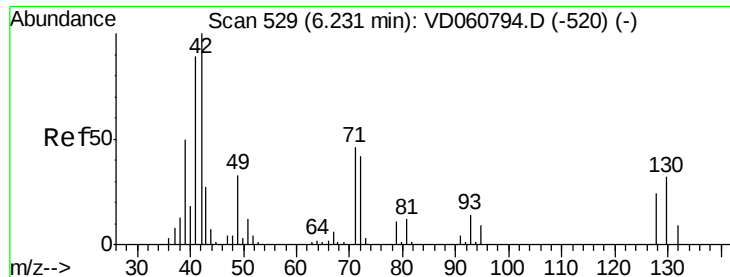
Tgt Ion	43	Resp	4824
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.4	21.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.420 ug/l

RT: 5.90 min Scan# 495

Delta R.T. -0.33 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-004-ABCDRE

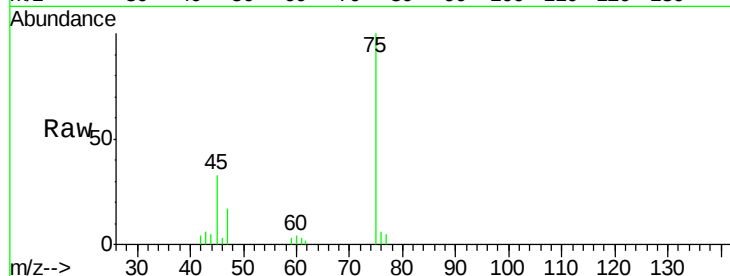
Tot Ion: 42 Resp: 1815

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 34.6 52.0#

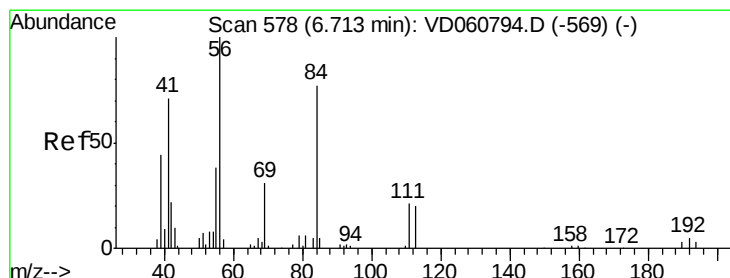
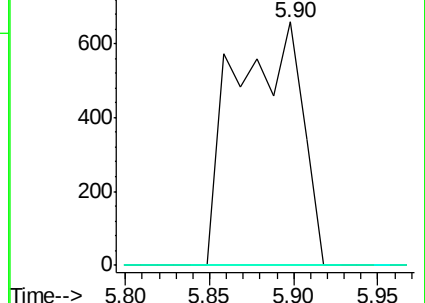
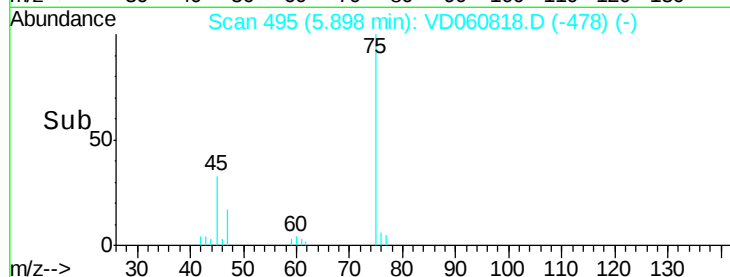


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

Time-->



#31

Cyclohexane

Concen: 2.292 ug/l

RT: 6.76 min Scan# 583

Delta R.T. 0.05 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

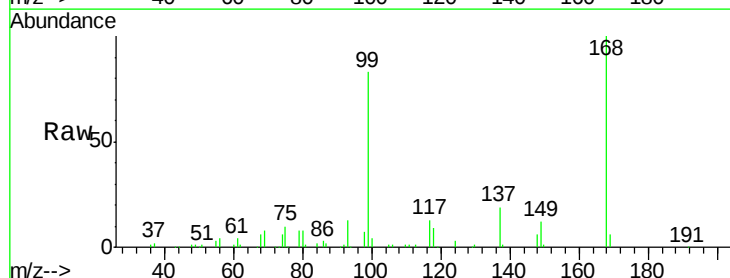
Tgt Ion: 56 Resp: 17769

Ion Ratio Lower Upper

56 100

69 208.6 25.1 37.7#

84 44.8 63.9 95.9#

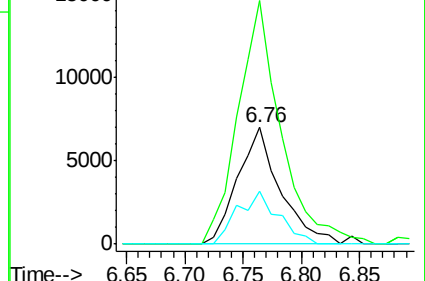
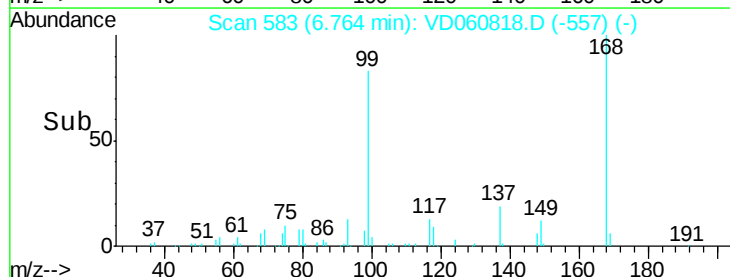


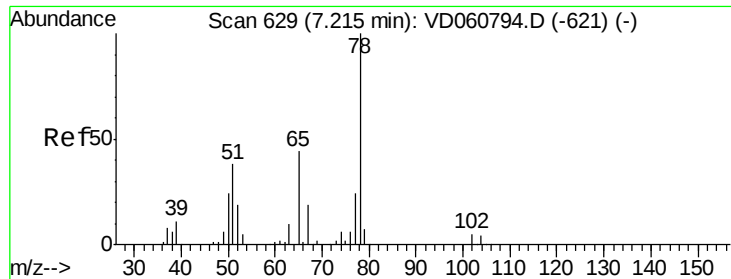
Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->

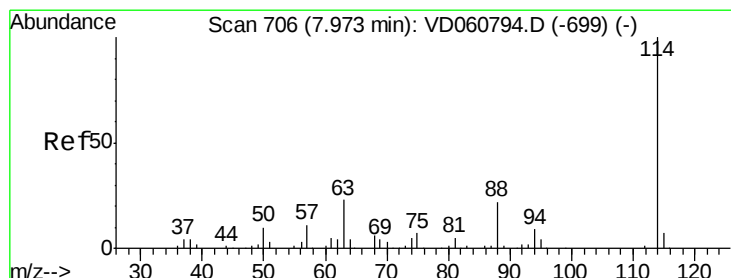
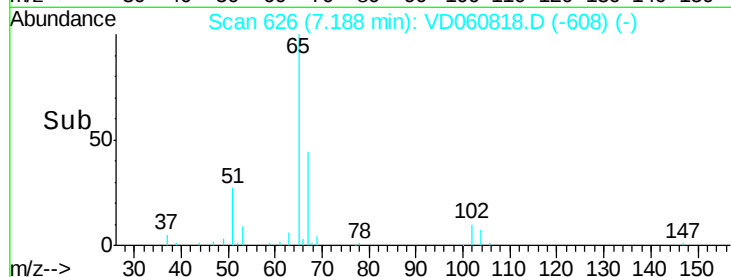
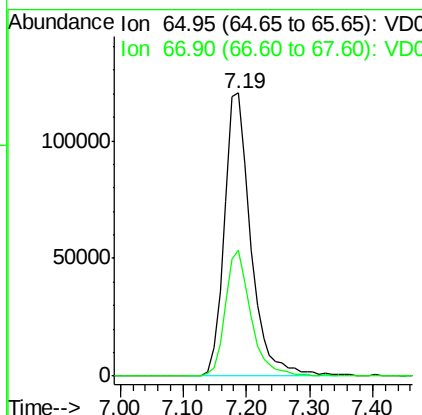
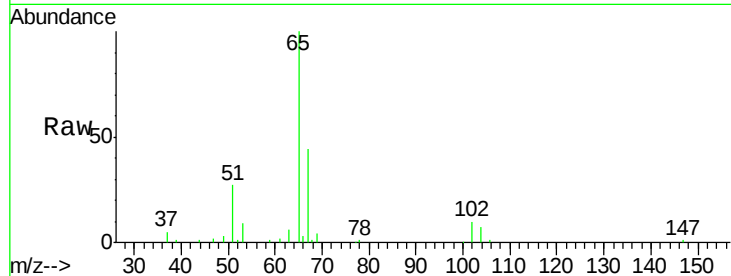




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.19 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD060818.D
 Acq: 1 Feb 2019 14:42

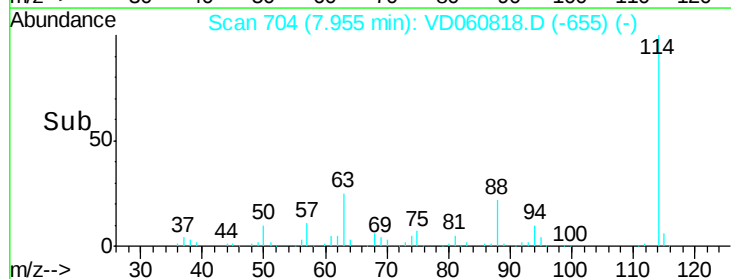
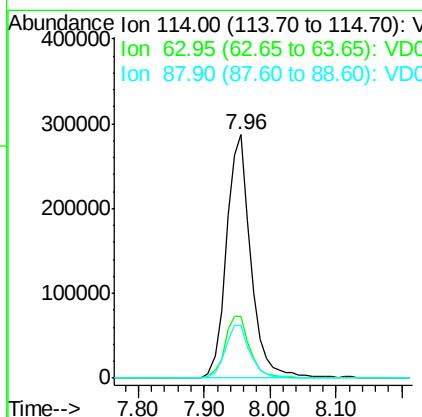
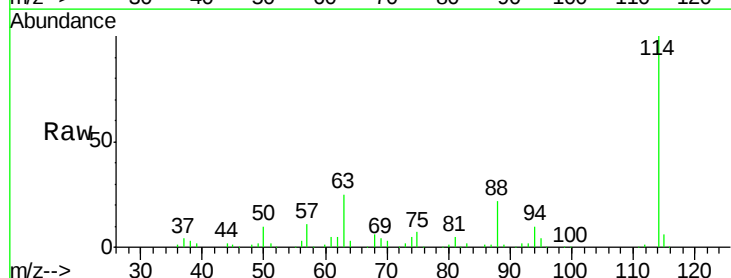
Instrument :
 MSVOA_D
 ClientSampleID :
 FK-BPM-03-004-ABCDRE

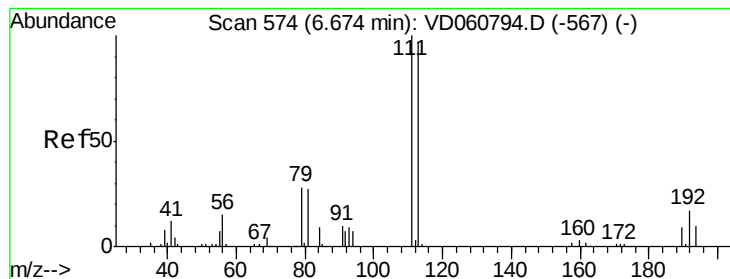
Tot Ion: 65 Resp: 348495
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VD060818.D
 Acq: 1 Feb 2019 14:42

Tgt Ion: 114 Resp: 746724
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 46.6
 88 21.6 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.66 min Scan# 572

Delta R.T. -0.02 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-004-ABCDRE

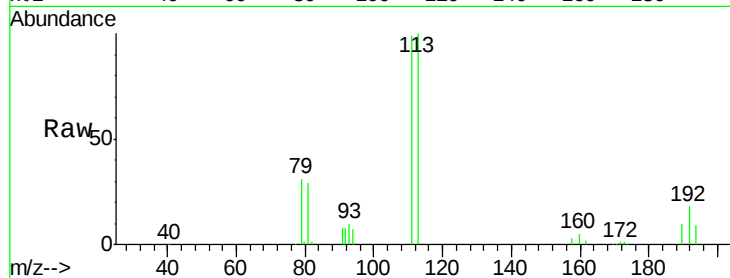
Tot Ion:113 Resp: 279033

Ion Ratio Lower Upper

113 100

111 98.9 82.3 123.5

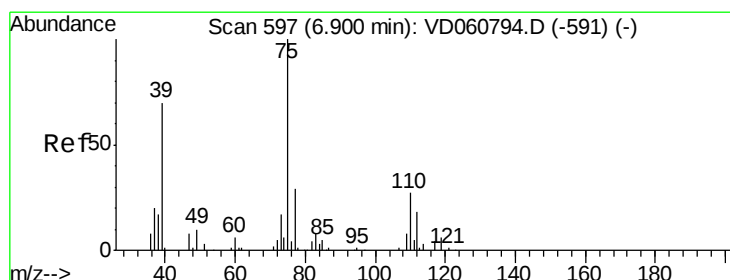
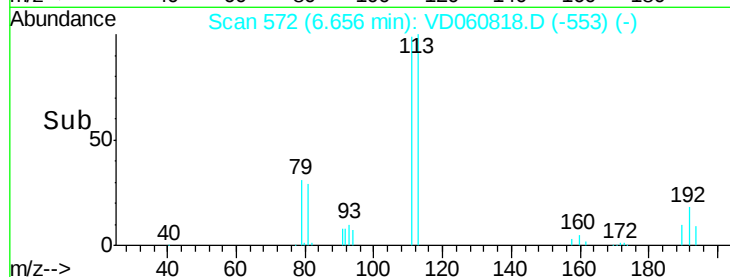
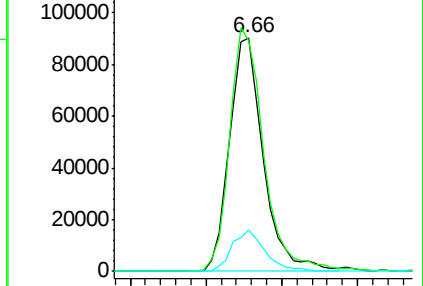
192 17.7 14.4 21.6



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: 6.216 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.14 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

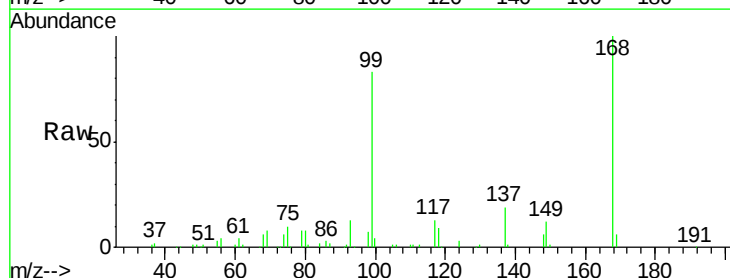
Tgt Ion: 75 Resp: 55423

Ion Ratio Lower Upper

75 100

110 9.6 13.5 40.4#

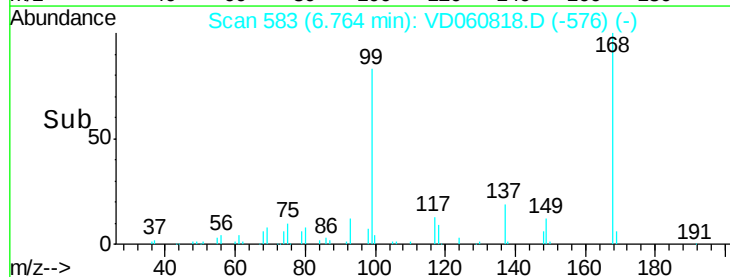
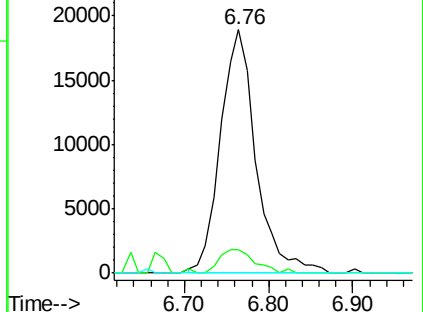
77 0.0 23.4 35.2#

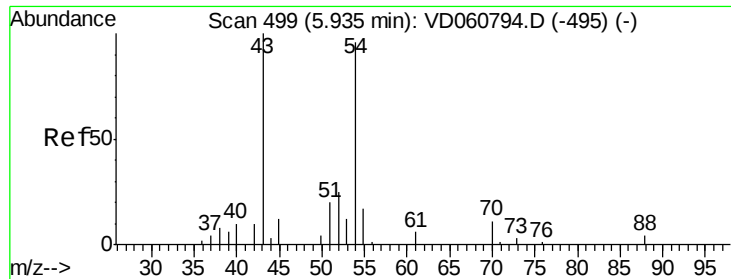


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

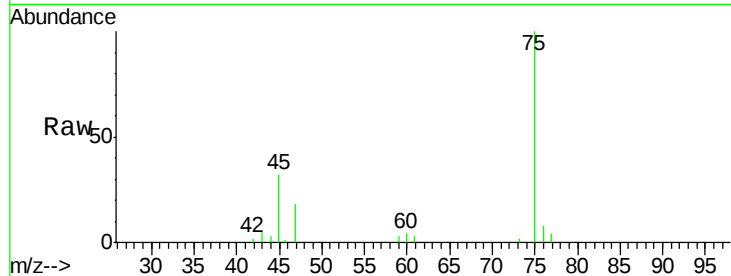




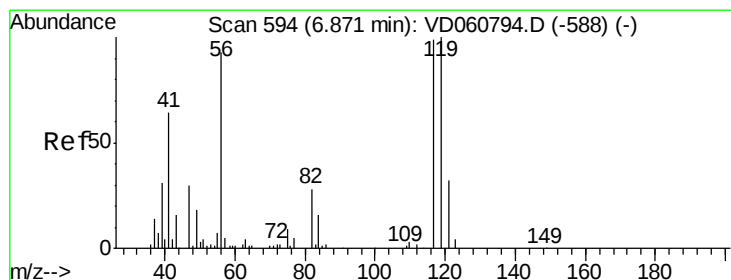
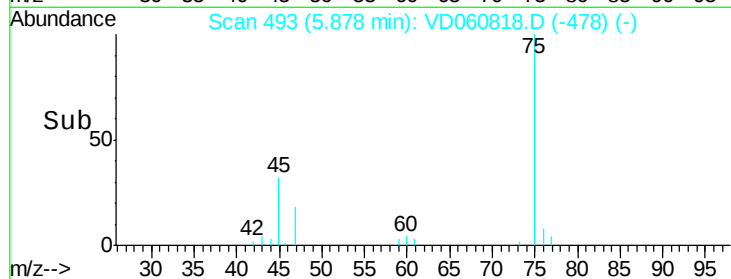
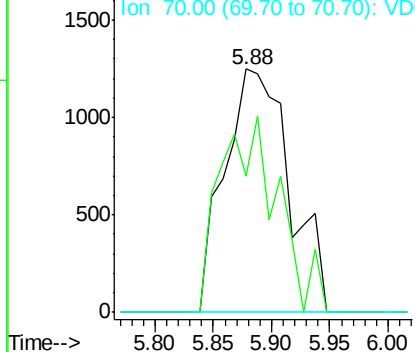
#37
Ethyl Acetate
Concen: 1.212 ug/l
RT: 5.88 min Scan# 493
Delta R.T. -0.06 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-004-ABCDRE

Tot Ion: 43 Resp: 4824
Ion Ratio Lower Upper
43 100
61 55.8 12.3 18.5#
70 0.0 7.4 11.0#

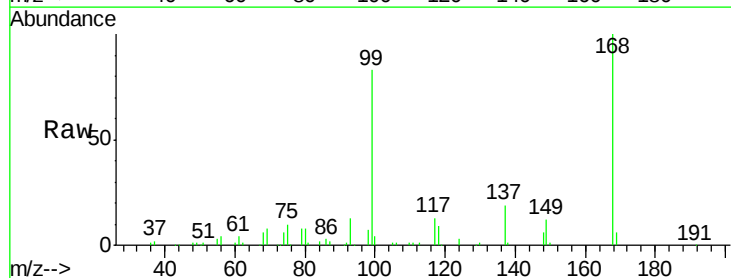


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

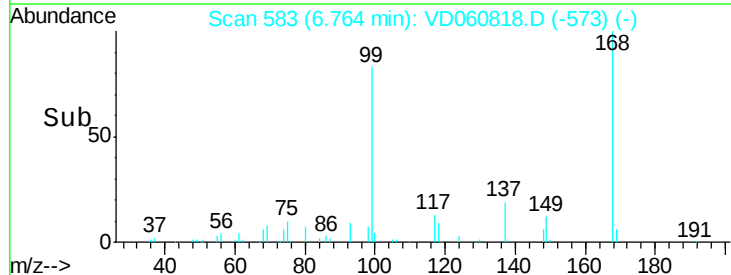
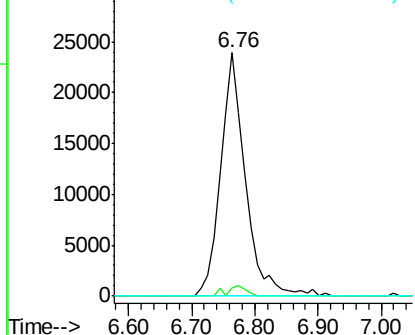


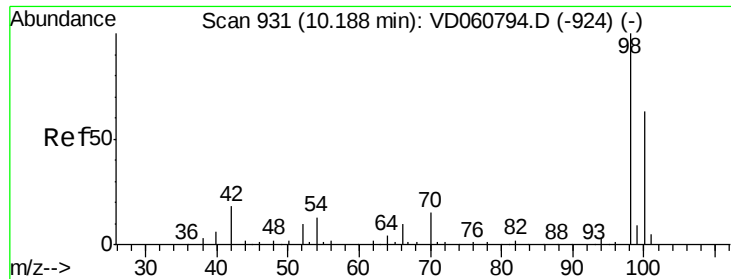
#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 6.76 min Scan# 583
Delta R.T. -0.11 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

Tgt Ion: 117 Resp: 65533
Ion Ratio Lower Upper
117 100
119 3.3 75.6 113.4#
121 0.0 23.4 35.2#



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

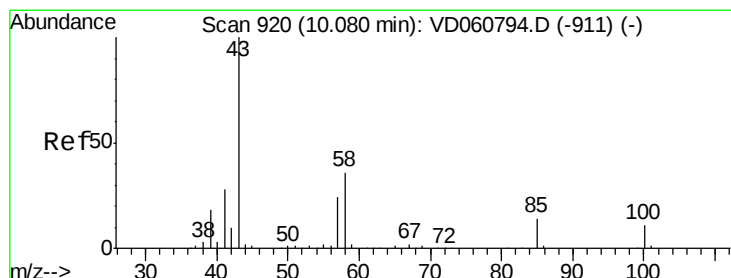
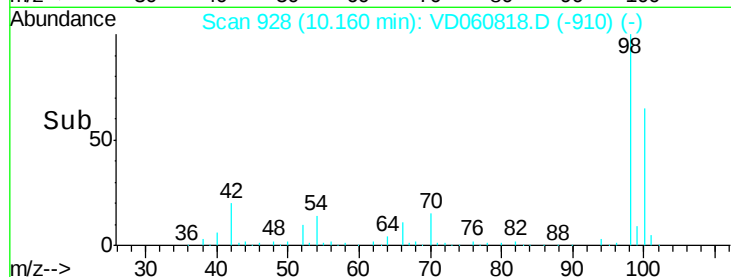
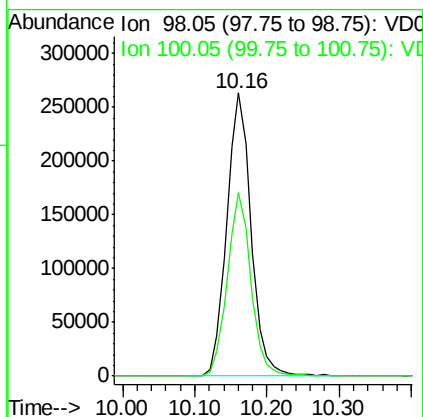
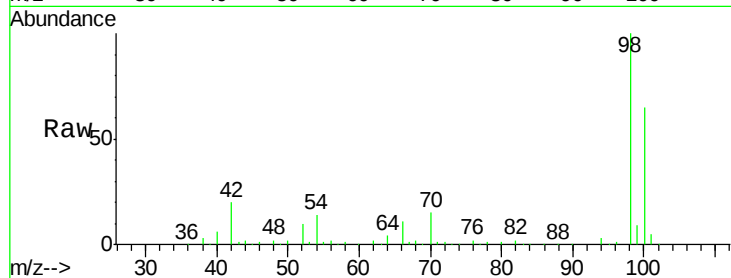




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

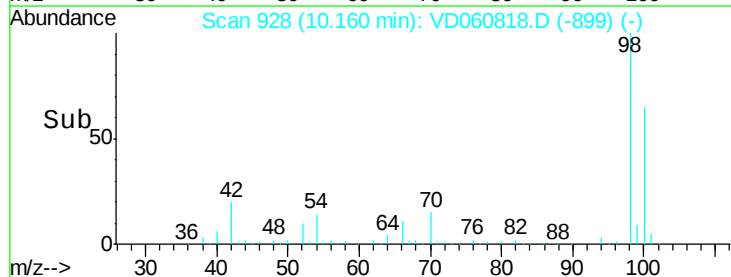
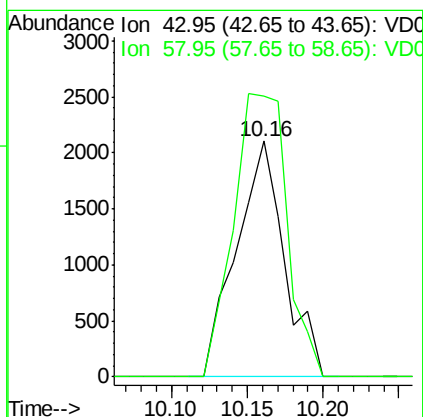
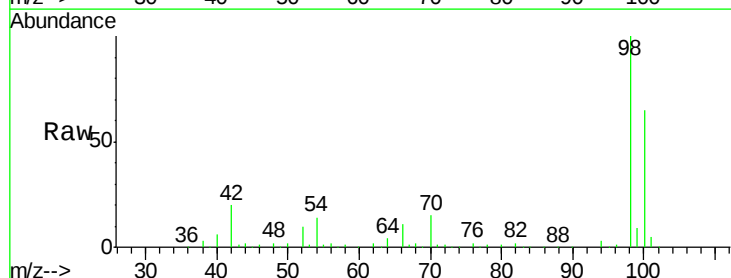
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-004-ABCDRE

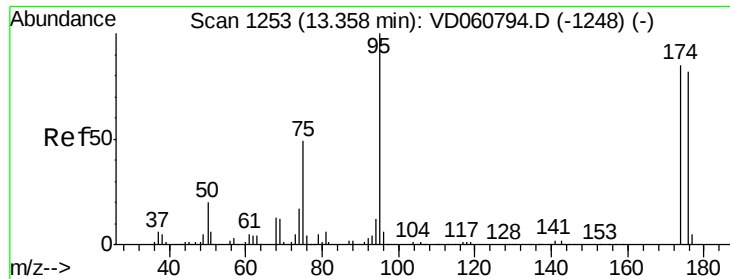
Tot Ion: 98 Resp: 617635
Ion Ratio Lower Upper
98 100
100 64.9 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.16 min Scan# 928
Delta R.T. 0.08 min
Lab File: VD060818.D
Acq: 1 Feb 2019 14:42

Tgt Ion: 43 Resp: 4657
Ion Ratio Lower Upper
43 100
58 119.3 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-004-ABCDRE

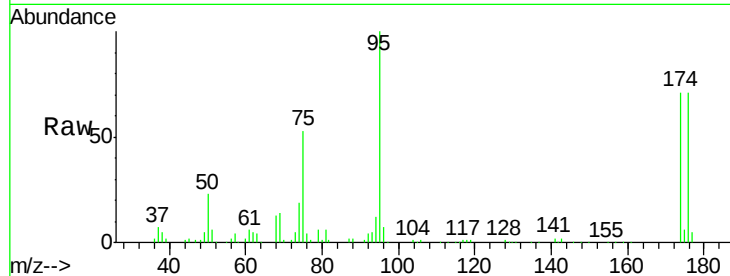
Tot Ion: 95 Resp: 334381

Ion Ratio Lower Upper

95 100

174 71.4 0.0 169.6

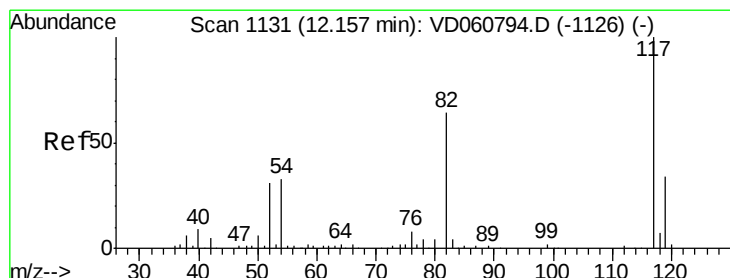
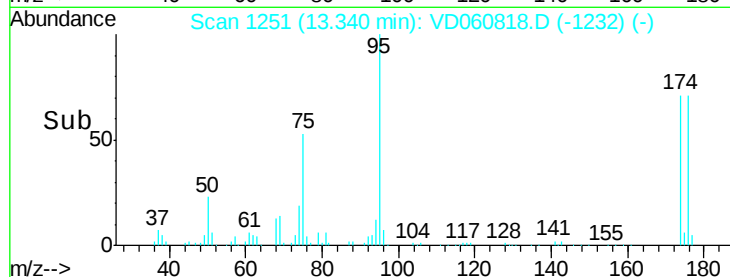
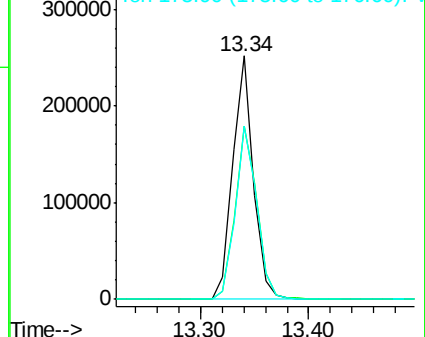
176 71.2 0.0 163.8



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: 12.14 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

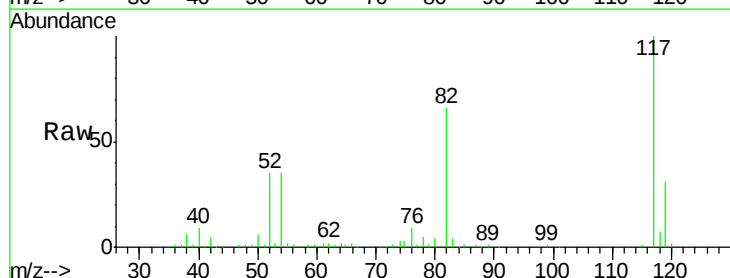
Tgt Ion: 117 Resp: 642047

Ion Ratio Lower Upper

117 100

82 65.7 51.5 77.3

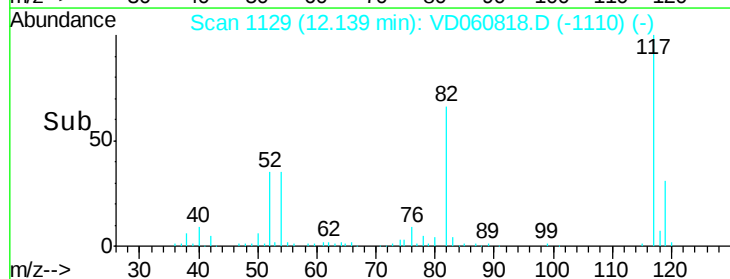
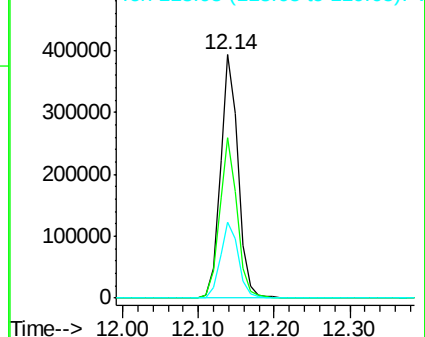
119 31.1 27.1 40.7

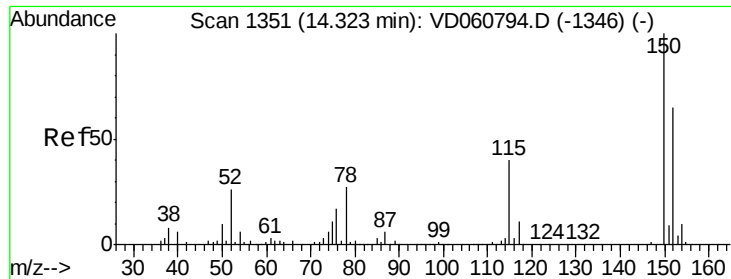


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.30 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-004-ABCDRE

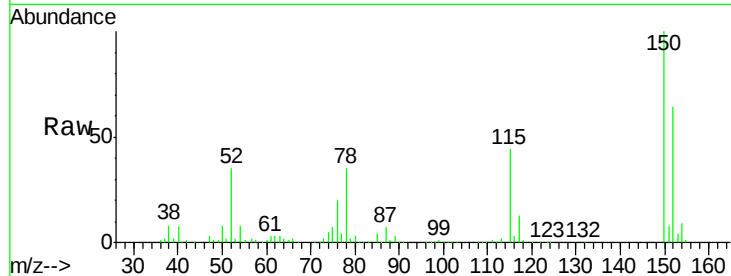
Tot Ion:152 Resp: 342188

Ion Ratio Lower Upper

152 100

115 67.7 31.6 95.0

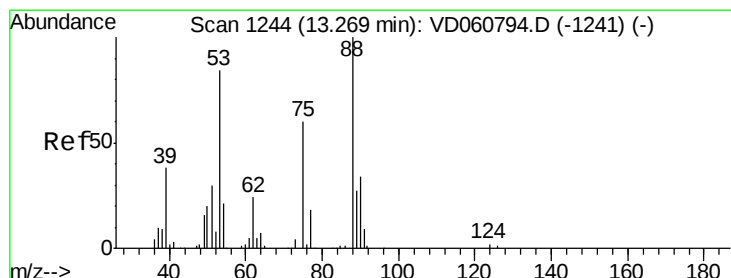
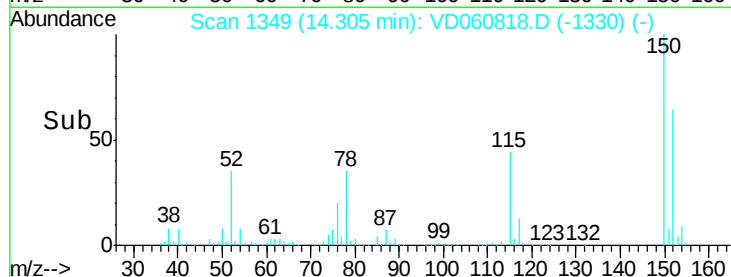
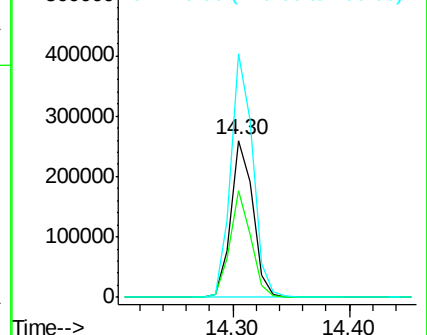
150 155.3 0.0 317.6



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: 107.674 ug/l

RT: 13.34 min Scan# 1251

Delta R.T. 0.07 min

Lab File: VD060818.D

Acq: 1 Feb 2019 14:42

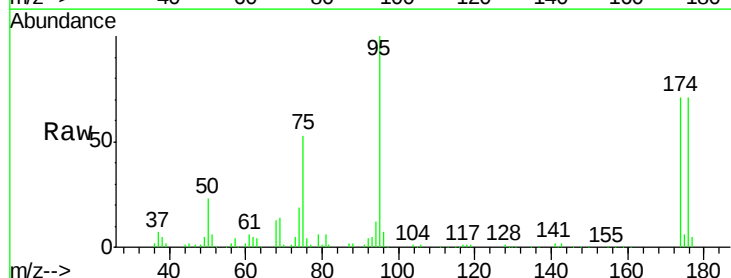
Tgt Ion: 75 Resp: 176147

Ion Ratio Lower Upper

75 100

53 0.0 111.6 167.4#

89 0.0 35.9 53.9#



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

