

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060829.D
 Acq On : 1 Feb 2019 19:54
 Operator : VA/AP
 Sample : K1361-02RE
 Misc : 3.54g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-006-ABCDRE

Quant Time: Feb 02 00:26:47 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	466431	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	654941	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	518643	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	253997	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	323642	45.26	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	90.52%	
35) Dibromofluoromethane	6.65	113	257250	40.96	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	81.92%	
50) Toluene-d8	10.16	98	504920	34.42	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	68.84%	
62) 4-Bromofluorobenzene	13.34	95	274436	37.23	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	74.46%	

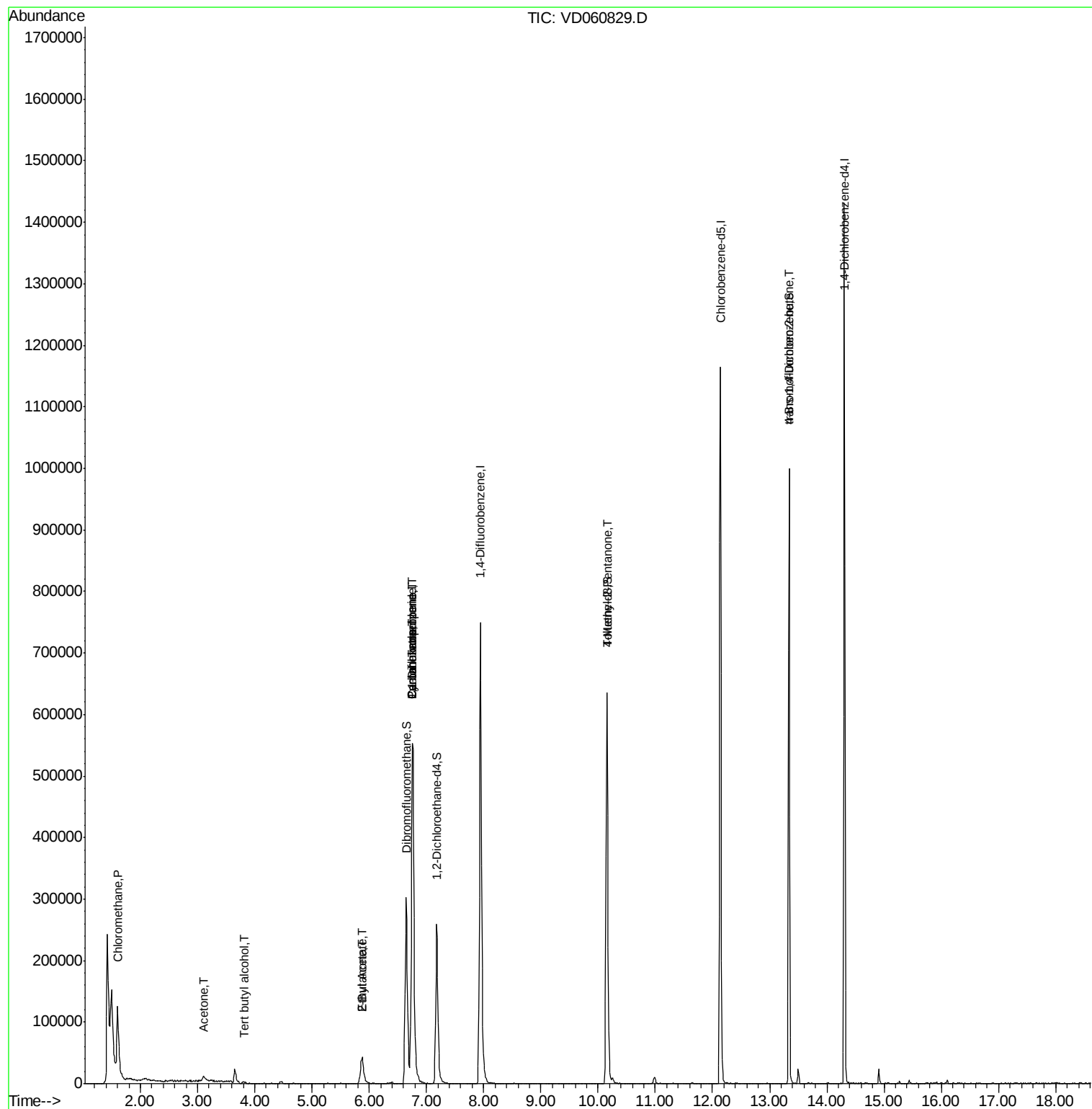
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.59	50	12459	3.669	ug/l #	43
11) Tert butyl alcohol	3.81	59	1782	5.215	ug/l #	69
16) Acetone	3.11	43	20581	19.927	ug/l	99
20) Methylene Chloride	3.65	84	10952	Below Cal		92
25) 2-Butanone	5.88	43	3977	3.008	ug/l #	59
31) Cyclohexane	6.76	56	16193	2.467	ug/l #	1
36) 1,1-Dichloropropene	6.75	75	54107	6.919	ug/l #	56
37) Ethyl Acetate	5.88	43	3977	1.139	ug/l #	54
38) Carbon Tetrachloride	6.75	117	61057	6.227	ug/l #	15
51) 4-Methyl-2-Pentanone	10.16	43	4603	1.561	ug/l #	26
81) trans-1,4-Dichloro-2-buten	13.34	75	153807	126.663	ug/l #	1

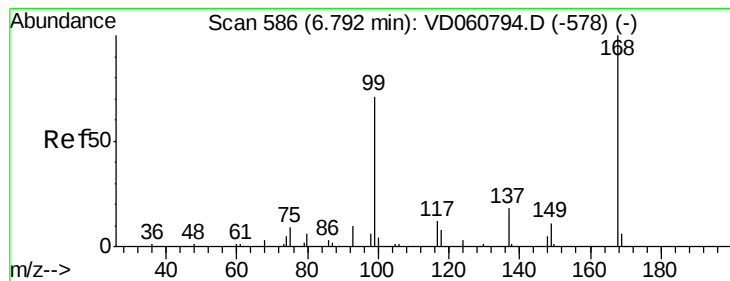
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

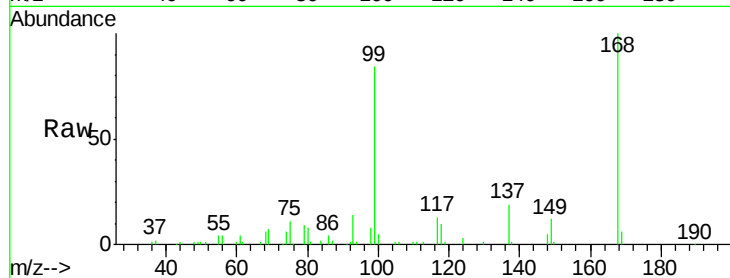
FK-BPM-03-006-ABCDRE

Tot Ion:168 Resp: 466431

Ion Ratio Lower Upper

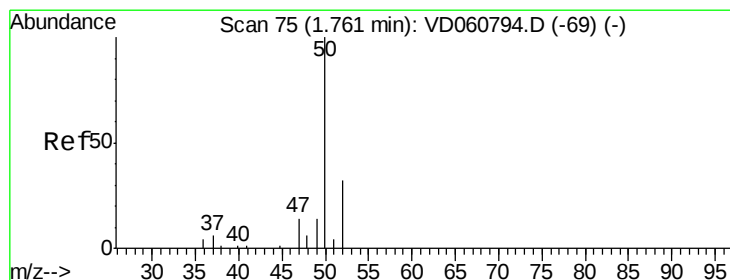
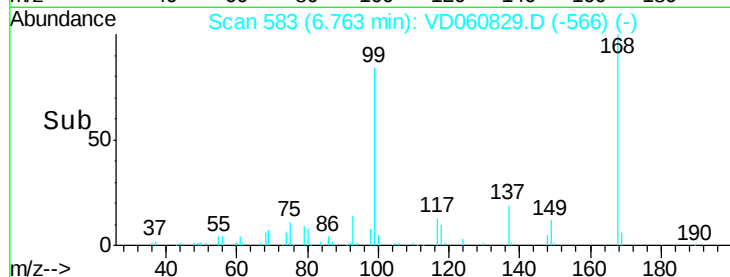
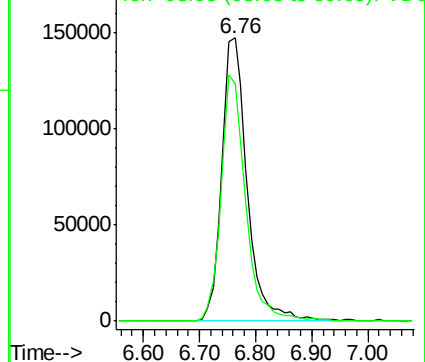
168 100

99 83.8 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: 3.669 ug/l

RT: 1.59 min Scan# 58

Delta R.T. -0.17 min

Lab File: VD060829.D

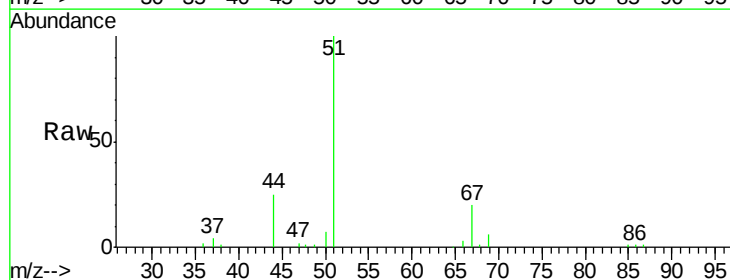
Acq: 1 Feb 2019 19:54

Tgt Ion: 50 Resp: 12459

Ion Ratio Lower Upper

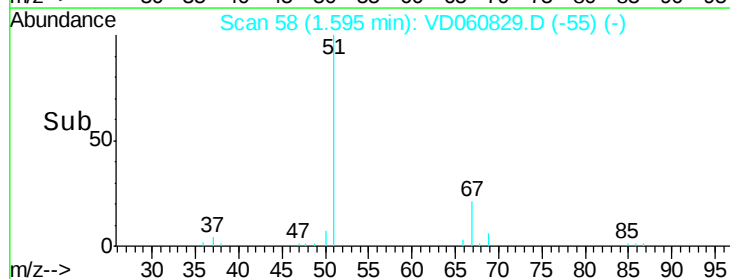
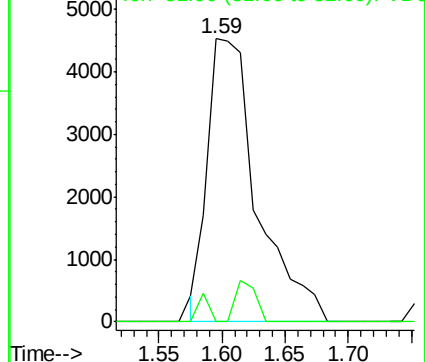
50 100

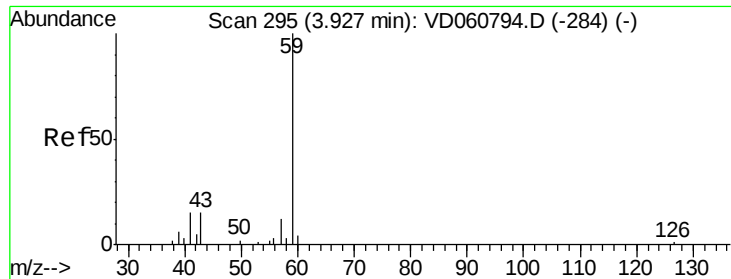
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

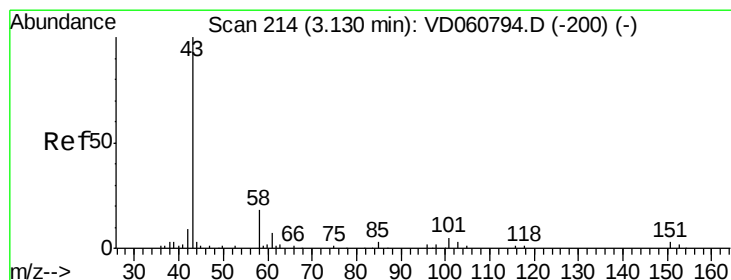
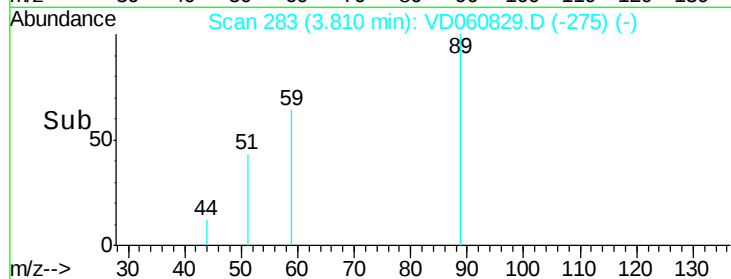
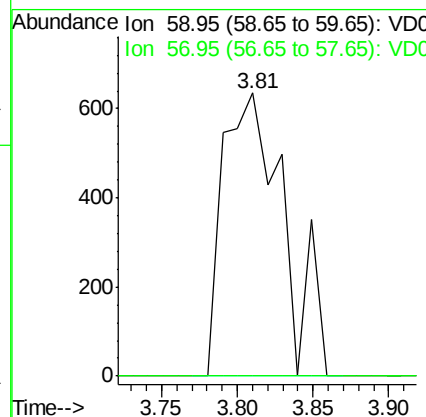
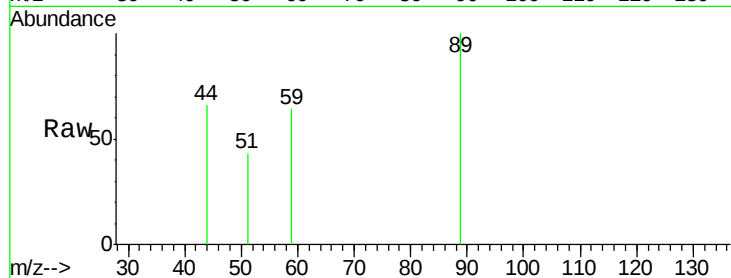




#11
Tert butyl alcohol
Concen: 5.215 ug/l
RT: 3.81 min Scan# 283
Delta R.T. -0.12 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

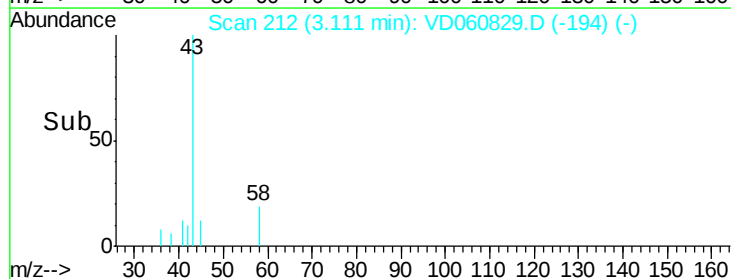
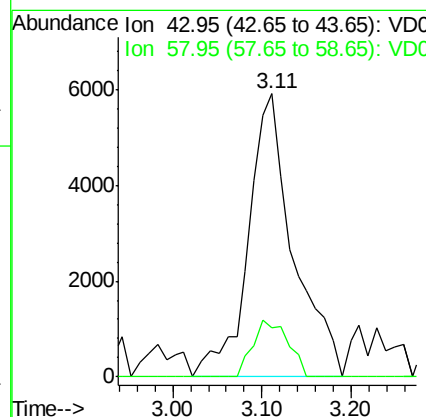
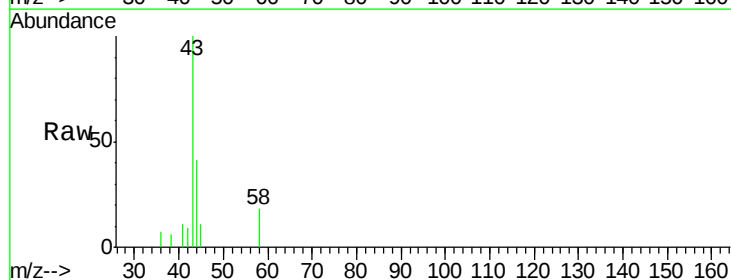
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-006-ABCDRE

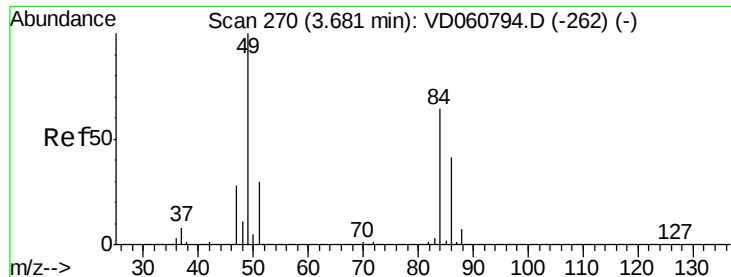
Tot Ion: 59 Resp: 1782
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



#16
Acetone
Concen: 19.927 ug/l
RT: 3.11 min Scan# 212
Delta R.T. -0.02 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

Tgt Ion: 43 Resp: 20581
Ion Ratio Lower Upper
43 100
58 17.5 14.5 21.7

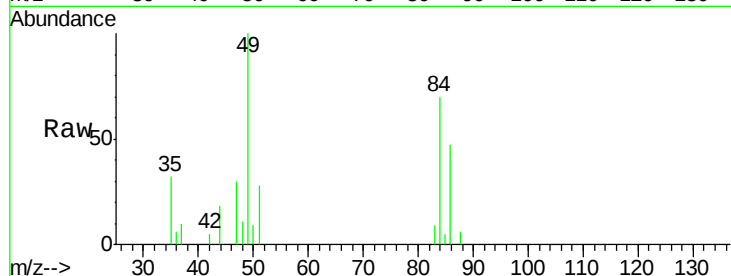




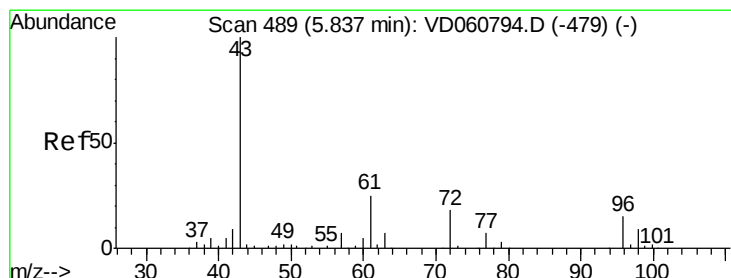
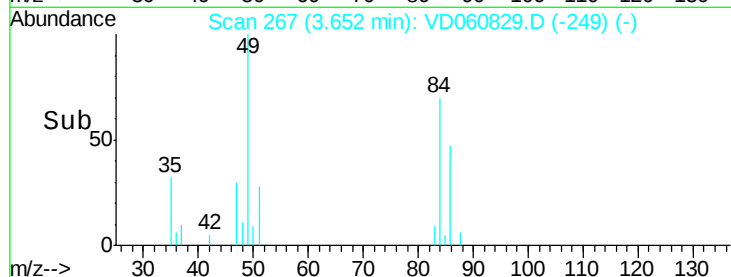
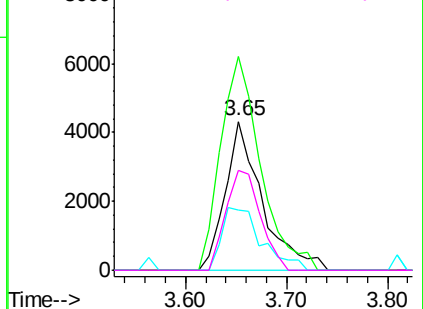
#20
Methvlene Chloride
Concen: Below Cal
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-006-ABCDRE

Tot Ion: 84 Resp: 10952
Ion Ratio Lower Upper
84 100
49 143.8 124.2 186.2
51 40.2 38.1 57.1
86 67.2 50.6 76.0

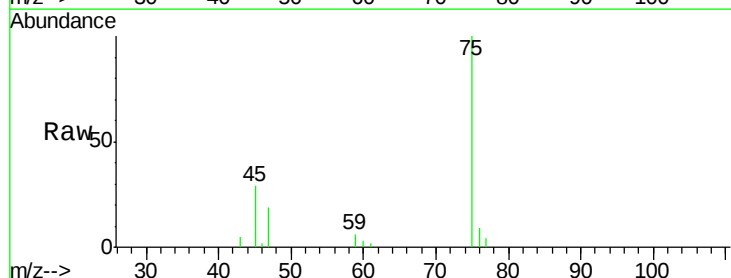


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

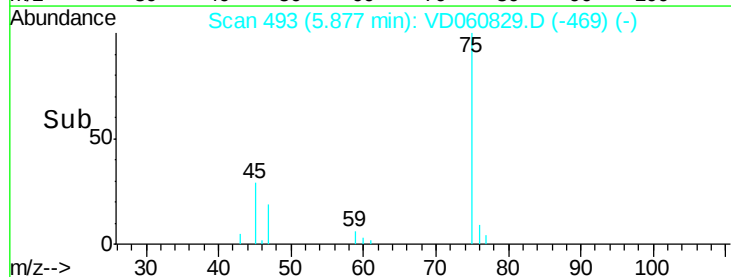
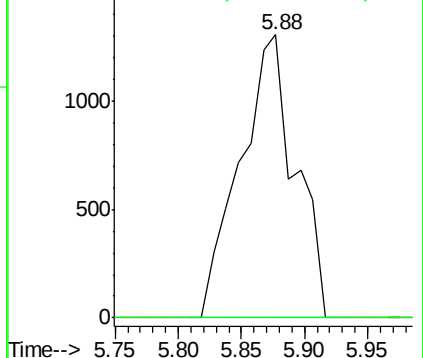


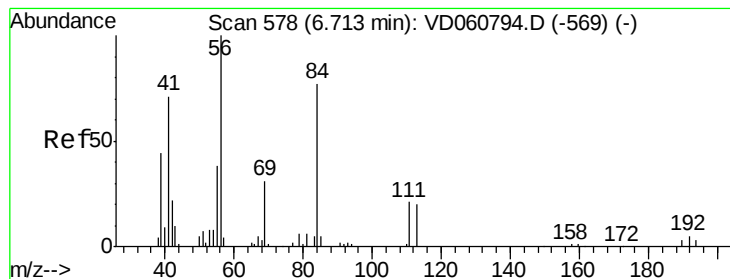
#25
2-Butanone
Concen: 3.008 ug/l
RT: 5.88 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

Tgt Ion: 43 Resp: 3977
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





#31

Cyclohexane

Concen: 2.467 ug/l

RT: 6.76 min Scan# 583

Delta R.T. 0.05 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-006-ABCDRE

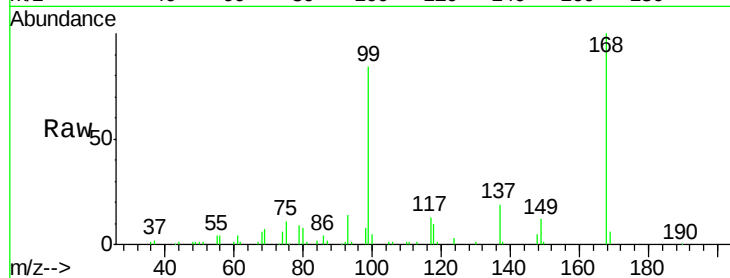
Tot Ion: 56 Resp: 16193

Ion Ratio Lower Upper

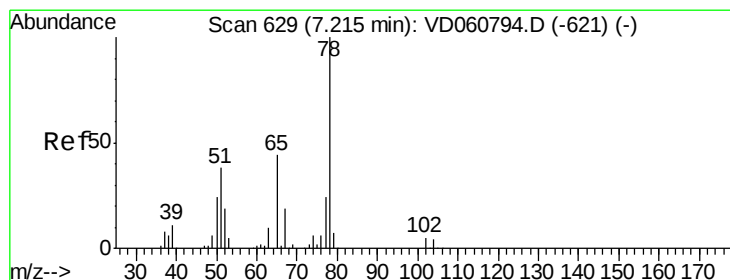
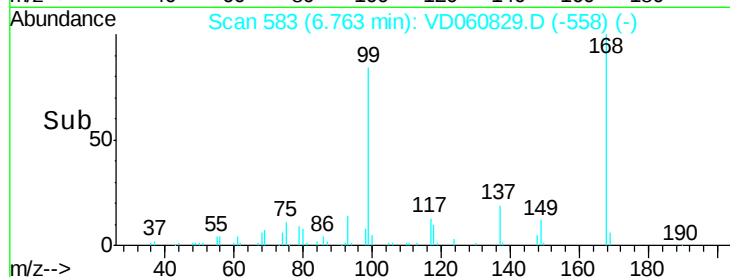
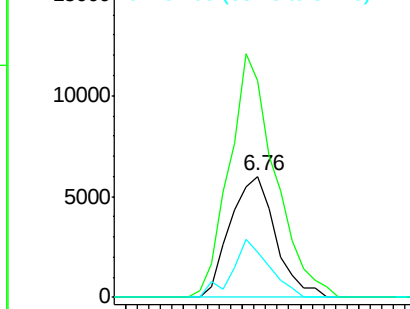
56 100

69 179.5 25.1 37.7#

84 37.4 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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.18 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD060829.D

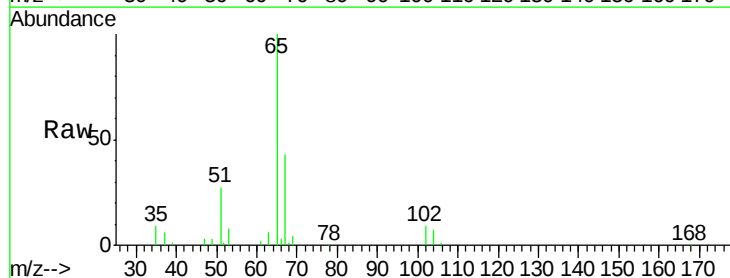
Acq: 1 Feb 2019 19:54

Tgt Ion: 65 Resp: 323642

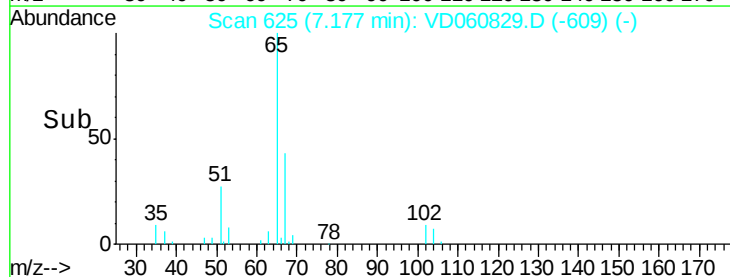
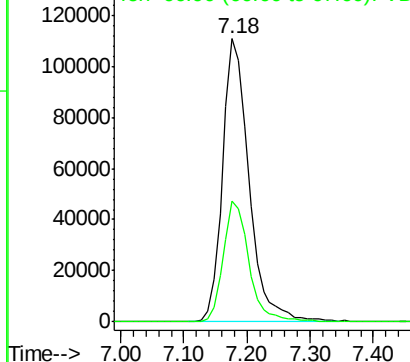
Ion Ratio Lower Upper

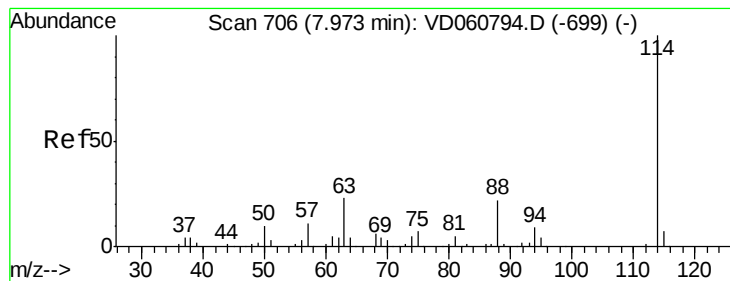
65 100

67 42.6 0.0 85.8



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: 7.94 min Scan# 703

Delta R.T. -0.03 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-006-ABCDRE

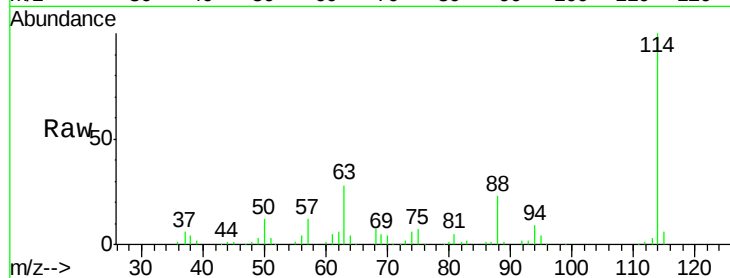
Tot Ion:114 Resp: 654941

Ion Ratio Lower Upper

114 100

63 28.1 0.0 46.6

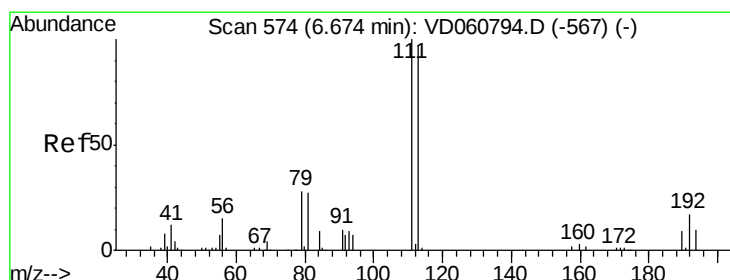
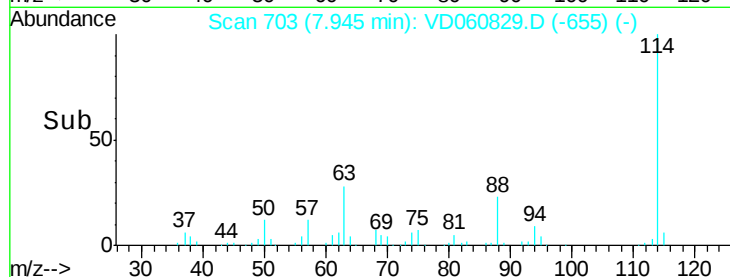
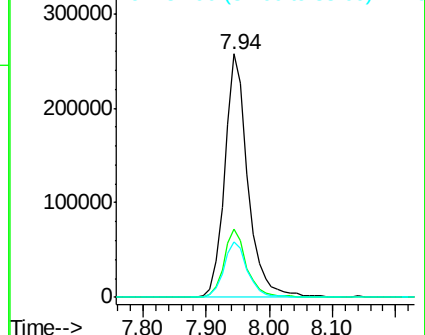
88 22.7 0.0 44.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

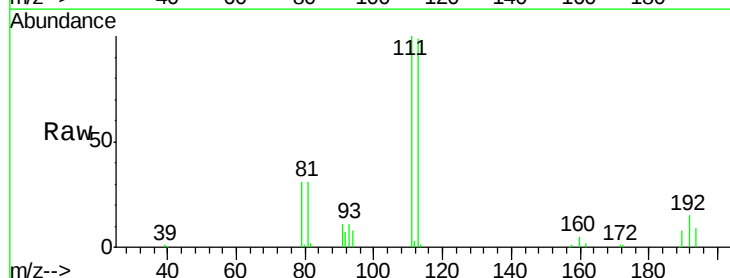
Tgt Ion:113 Resp: 257250

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

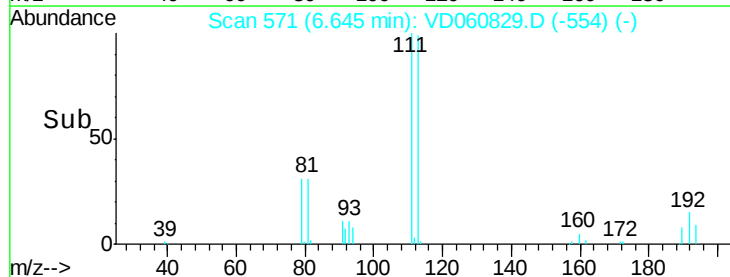
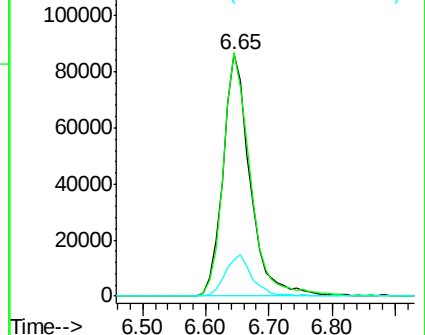
192 15.2 14.4 21.6

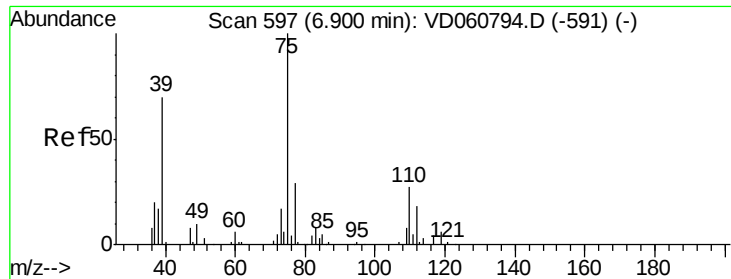


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.919 ug/l

RT: 6.75 min Scan# 582

Delta R.T. -0.15 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

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ClientSampleId :

FK-BPM-03-006-ABCDRE

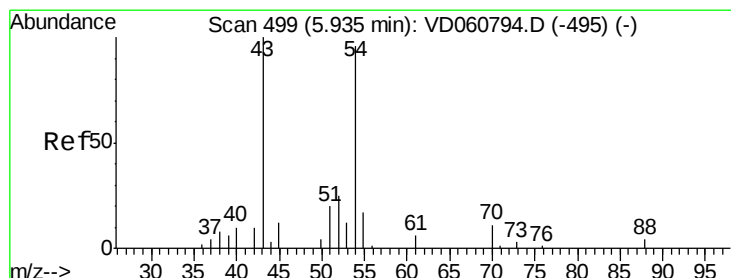
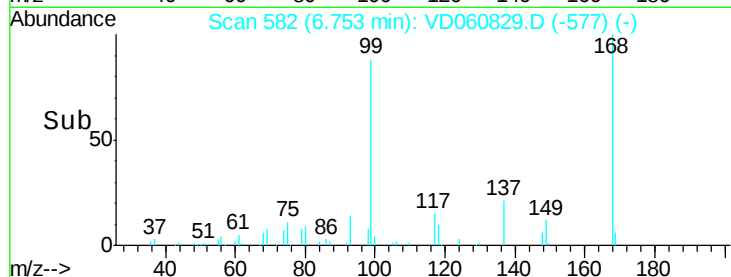
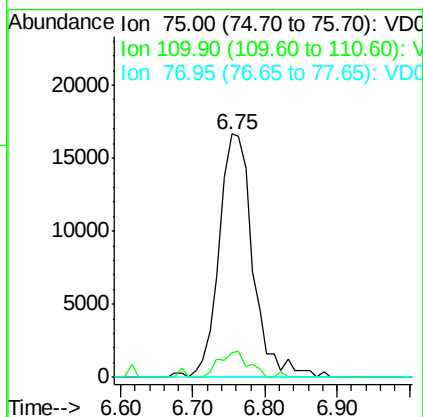
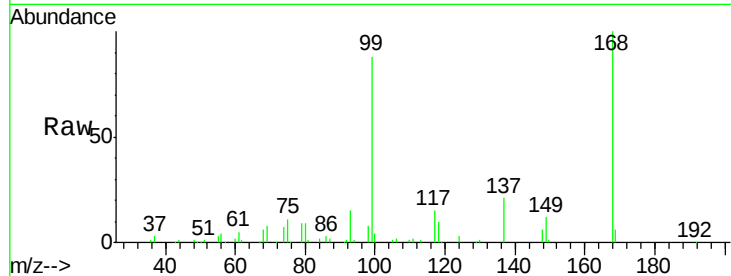
Tot Ion: 75 Resp: 54107

Ion Ratio Lower Upper

75 100

110 10.3 13.5 40.4#

77 0.0 23.4 35.2#



#37

Ethyl Acetate

Concen: 1.139 ug/l

RT: 5.88 min Scan# 493

Delta R.T. -0.06 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

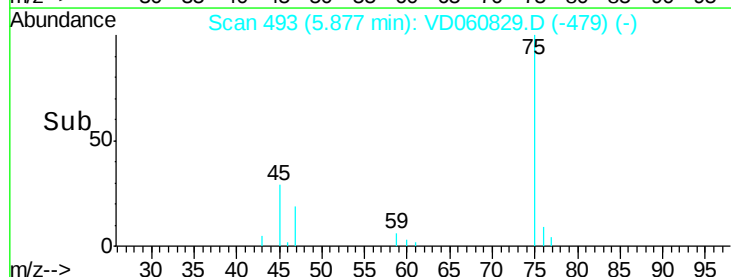
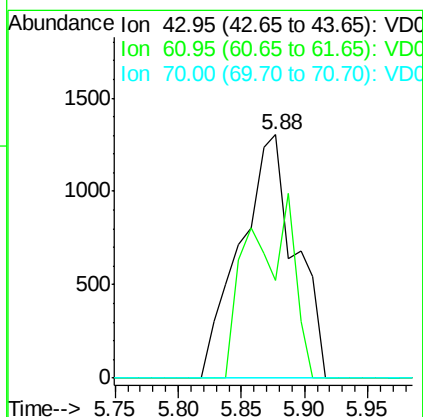
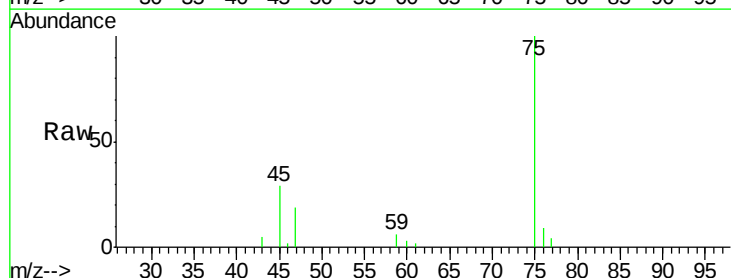
Tgt Ion: 43 Resp: 3977

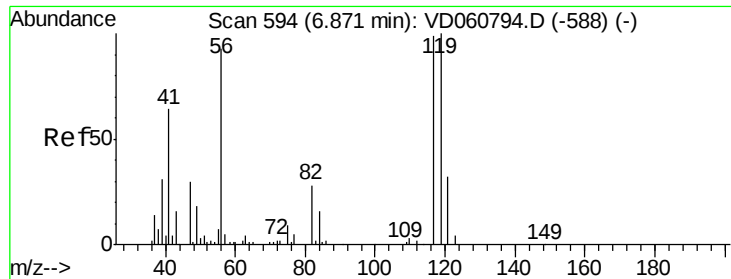
Ion Ratio Lower Upper

43 100

61 40.0 12.3 18.5#

70 0.0 7.4 11.0#





#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 6.75 min Scan# 582

Delta R.T. -0.12 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-006-ABCDRE

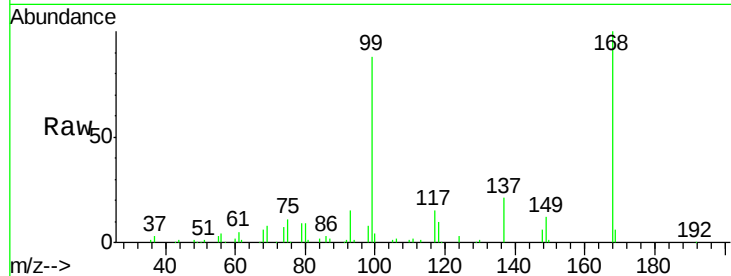
Tot Ion:117 Resp: 61057

Ion Ratio Lower Upper

117 100

119 3.2 75.6 113.4#

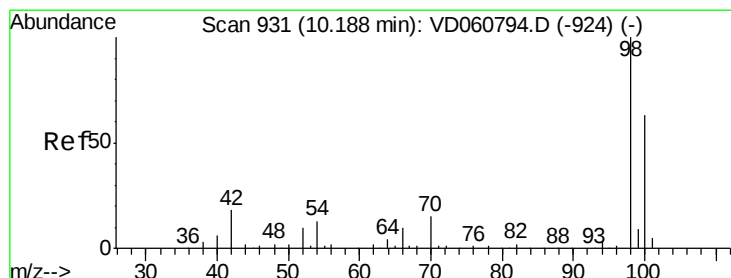
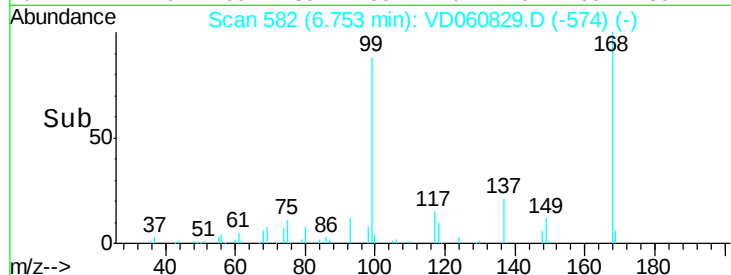
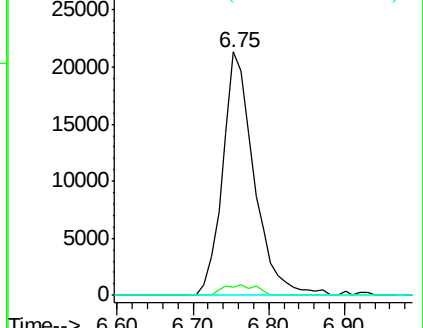
121 0.0 23.4 35.2#



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: VD060829.D

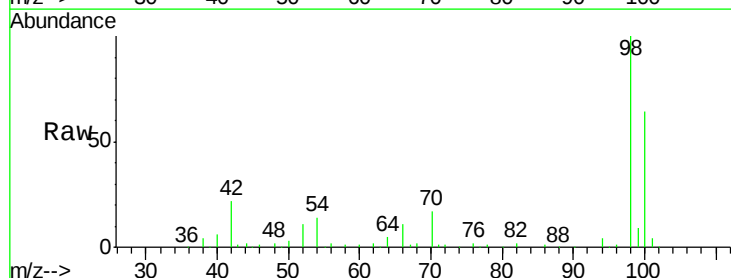
Acq: 1 Feb 2019 19:54

Tgt Ion: 98 Resp: 504920

Ion Ratio Lower Upper

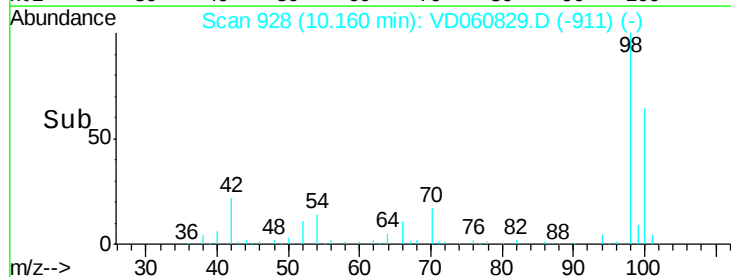
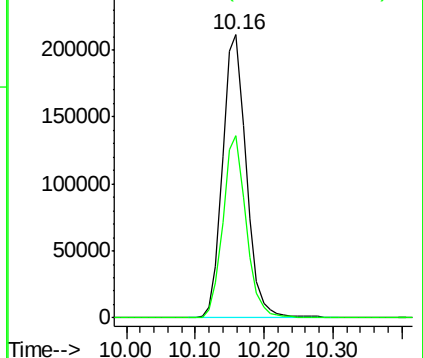
98 100

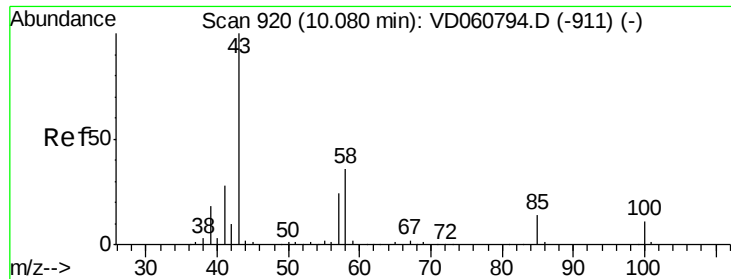
100 64.2 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.561 ug/l

RT: 10.16 min Scan# 928

Delta R.T. 0.08 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

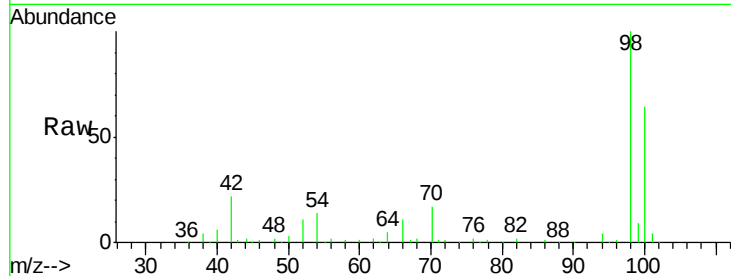
FK-BPM-03-006-ABCDRE

Tot Ion: 43 Resp: 4603

Ion Ratio Lower Upper

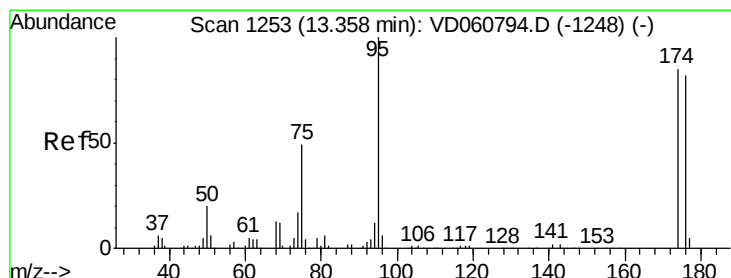
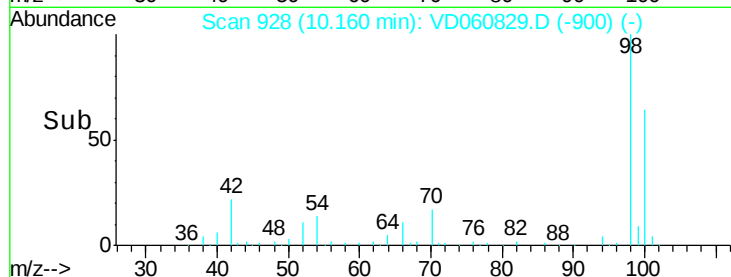
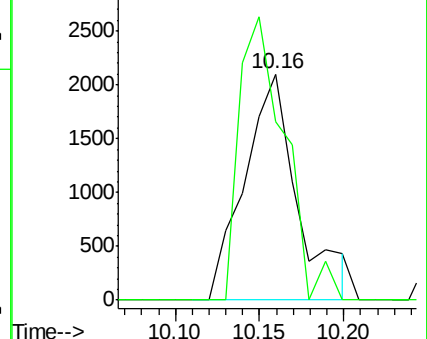
43 100

58 78.7 28.4 42.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

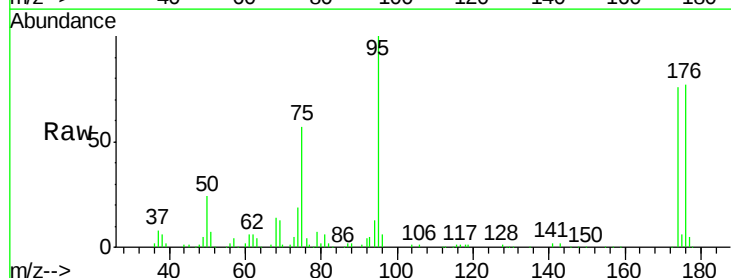
Tgt Ion: 95 Resp: 274436

Ion Ratio Lower Upper

95 100

174 75.6 0.0 169.6

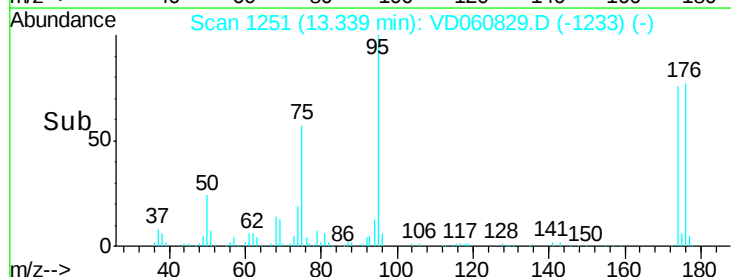
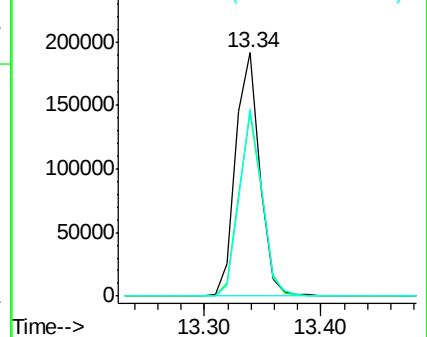
176 76.8 0.0 163.8

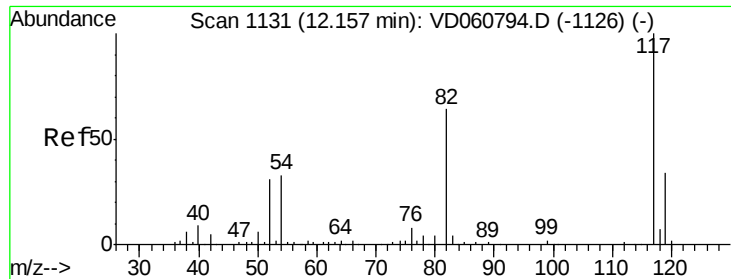


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

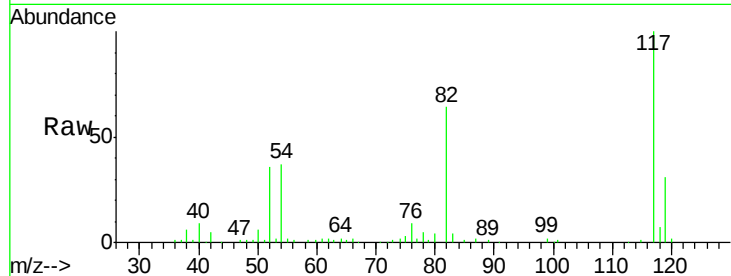




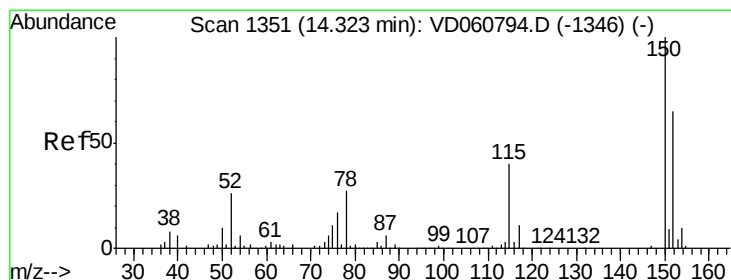
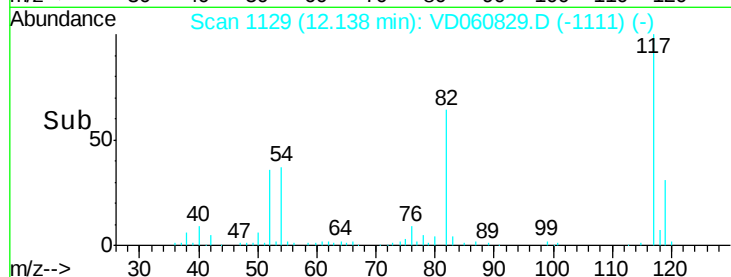
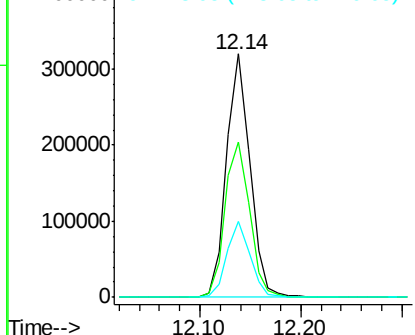
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-006-ABCDRE

Tot Ion:117 Resp: 518643
Ion Ratio Lower Upper
117 100
82 63.7 51.5 77.3
119 31.4 27.1 40.7

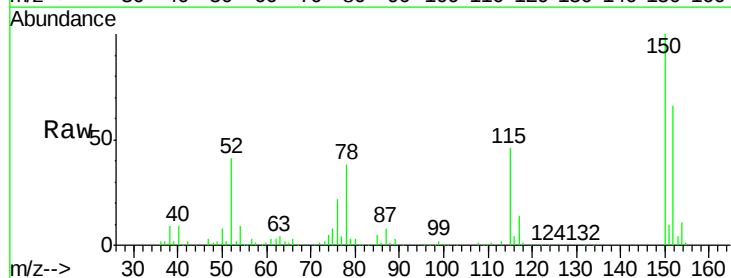


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

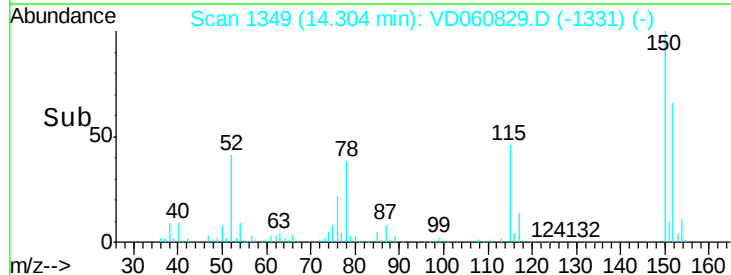
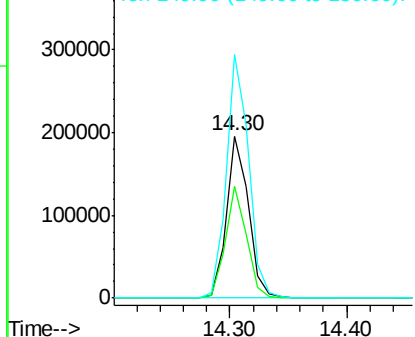


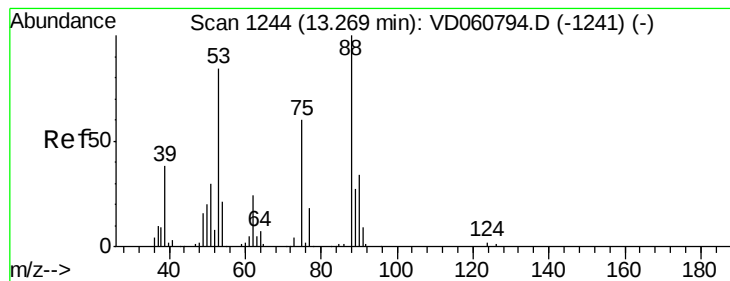
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.30 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060829.D
Acq: 1 Feb 2019 19:54

Tgt Ion:152 Resp: 253997
Ion Ratio Lower Upper
152 100
115 69.0 31.6 95.0
150 150.4 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: 126.663 ug/l

RT: 13.34 min Scan# 1251

Delta R.T. 0.07 min

Lab File: VD060829.D

Acq: 1 Feb 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-006-ABCDRE

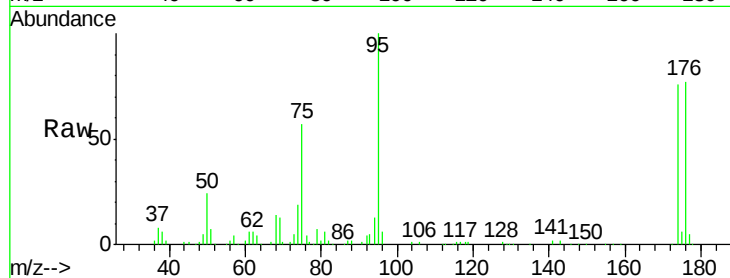
Tot Ion: 75 Resp: 153807

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

