

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060990.D
 Acq On : 8 Mar 2019 18:15
 Operator : VA/AP
 Sample : K1808-02
 Misc : 4.80u/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

Quant Time: Mar 08 22:07:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	793126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1451698	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1282998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	573351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	406447	61.57	ug/l	0.00
Spiked Amount			Recovery	=	123.14%	
35) Dibromofluoromethane	6.93	113	616287	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	
50) Toluene-d8	10.41	98	1421732	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	13.56	95	529192	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

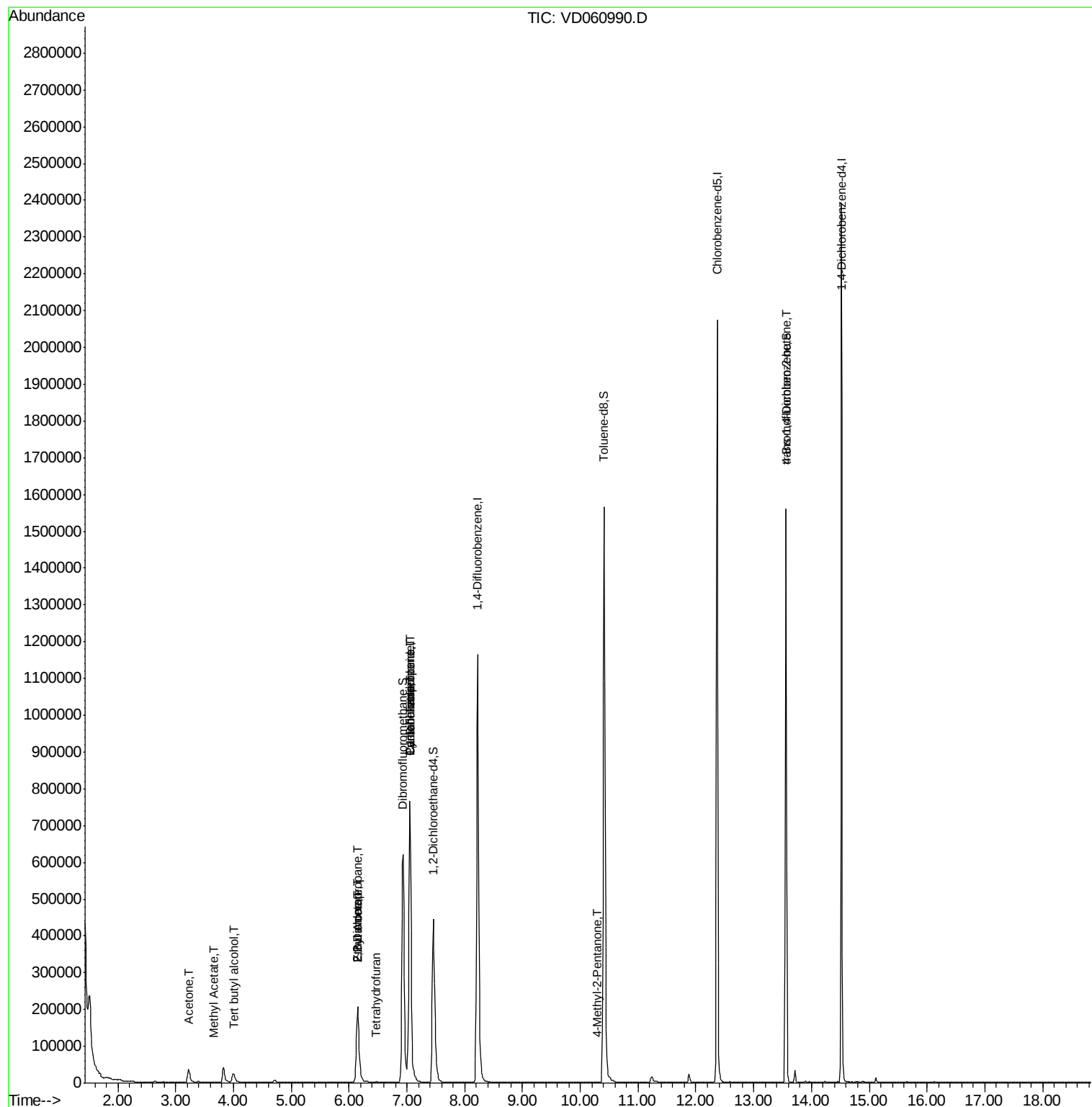
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	25895	61.613	ug/l #	75
16) Acetone	3.22	43	75354	39.915	ug/l	93
18) Methyl Acetate	3.66	43	1209	0.325	ug/l #	59
20) Methylene Chloride	3.82	84	30239	Below Cal		90
25) 2-Butanone	6.15	43	12469	5.821	ug/l #	74
26) 2,2-Dichloropropane	6.15	77	15451	1.366	ug/l #	50
29) Tetrahydrofuran	6.47	42	1650	1.418	ug/l #	42
31) Cyclohexane	7.05	56	14204	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	61188	4.890	ug/l #	45
37) Ethyl Acetate	6.15	43	12469	2.123	ug/l #	3
38) Carbon Tetrachloride	7.05	117	77045	5.589	ug/l #	14
51) 4-Methyl-2-Pentanone	10.30	43	2303	0.462	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.56	75	189981	78.121	ug/l #	17

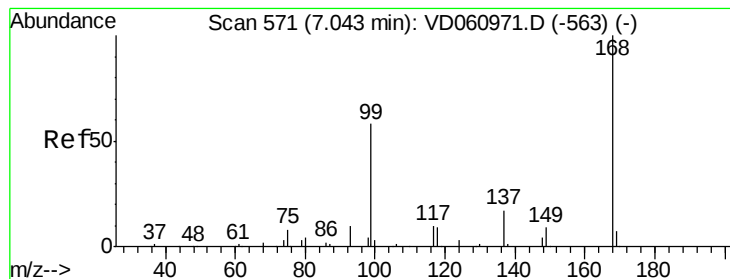
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030819\
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Quant Time: Mar 08 22:07:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

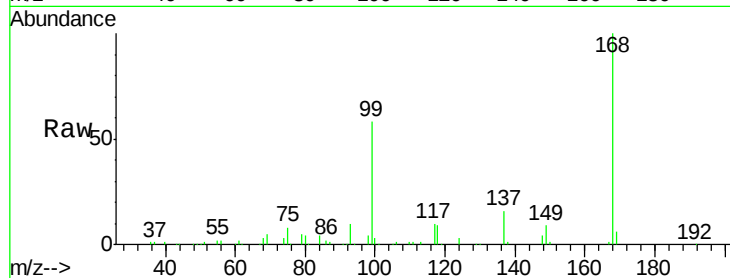
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion:168 Resp: 793126

Ion Ratio Lower Upper

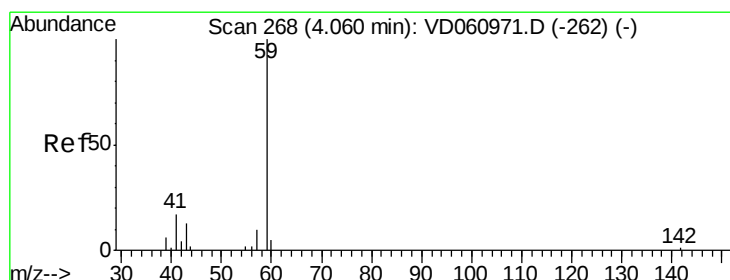
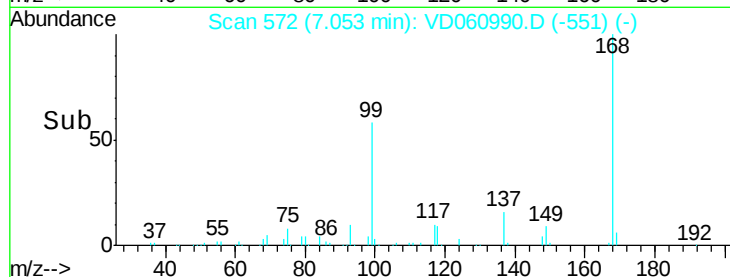
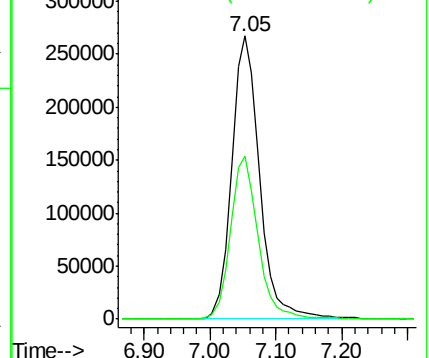
168 100

99 57.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 61.613 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD060990.D

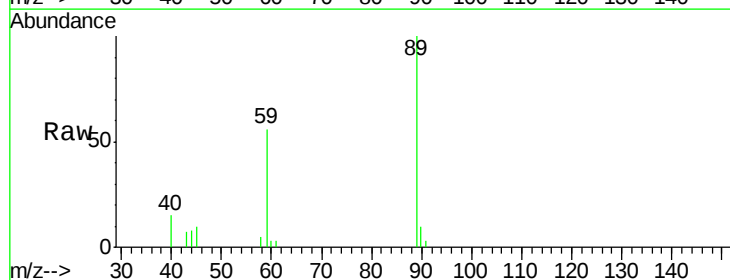
Acq: 8 Mar 2019 18:15

Tgt Ion: 59 Resp: 25895

Ion Ratio Lower Upper

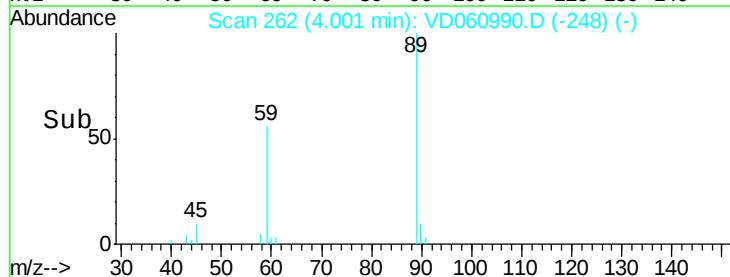
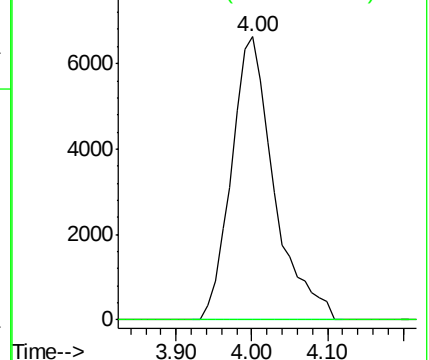
59 100

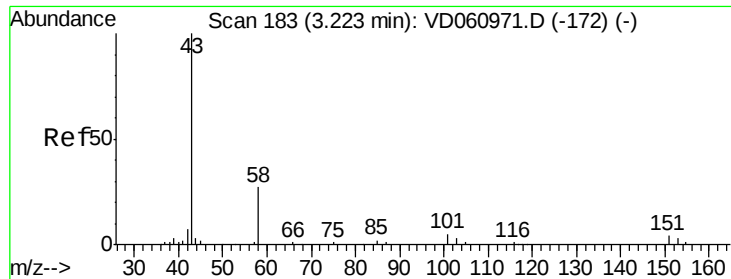
57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 39.915 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

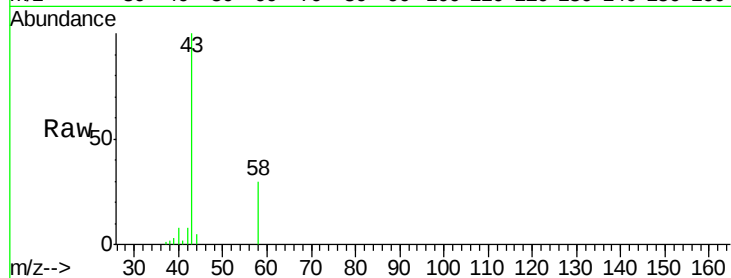
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion: 43 Resp: 75354

Ion Ratio Lower Upper

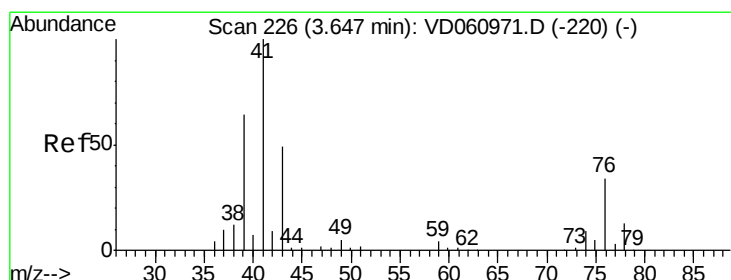
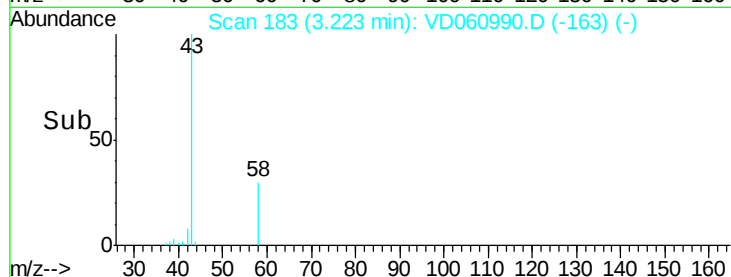
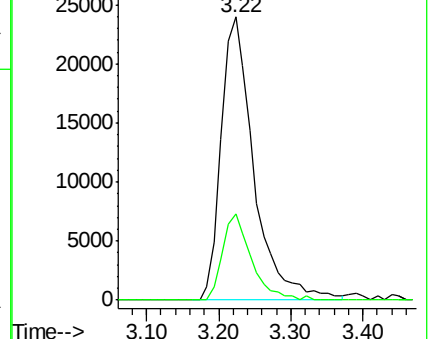
43 100

58 30.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 0.325 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD060990.D

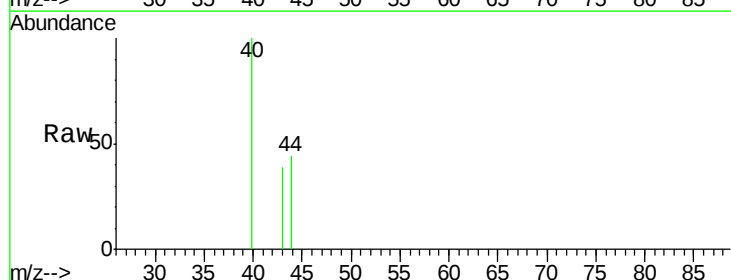
Acq: 8 Mar 2019 18:15

Tgt Ion: 43 Resp: 1209

Ion Ratio Lower Upper

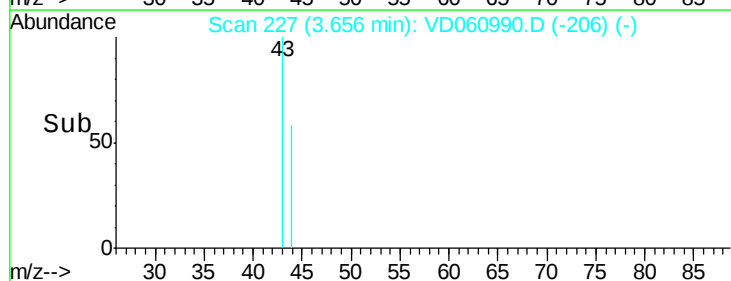
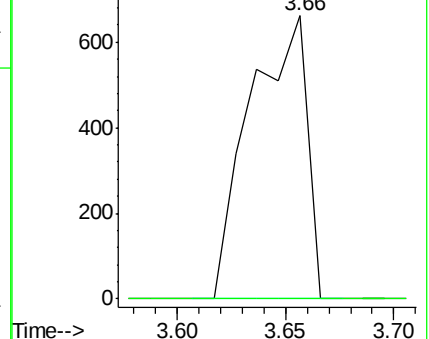
43 100

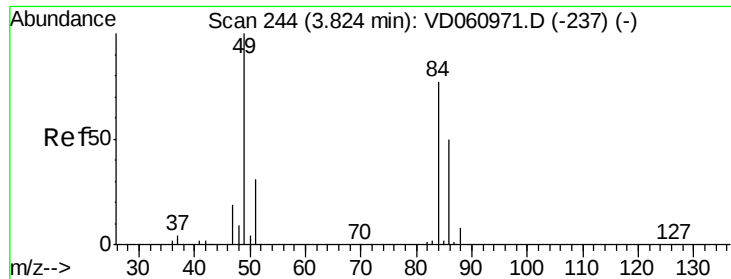
74 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

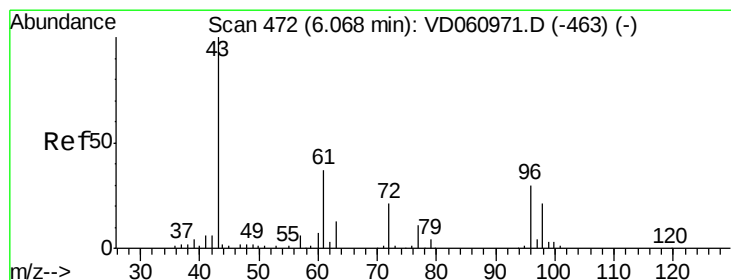
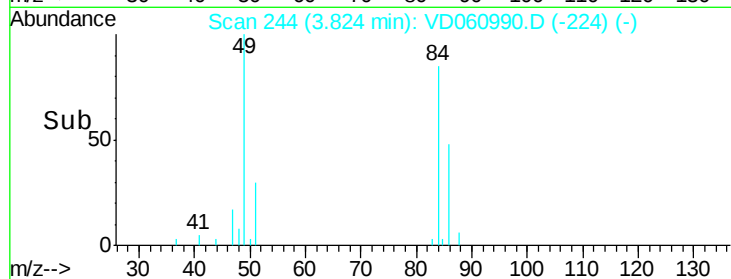
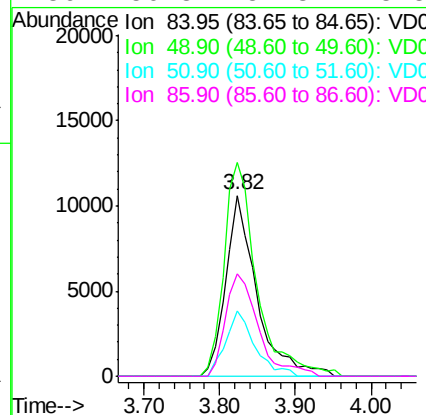
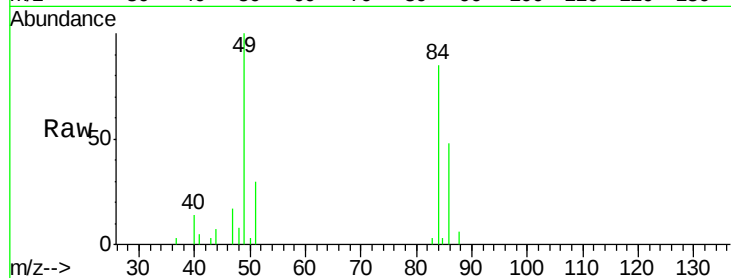




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

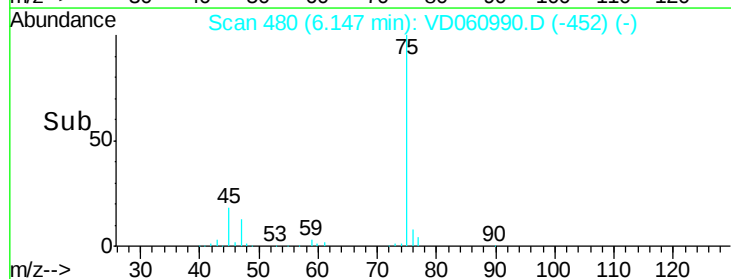
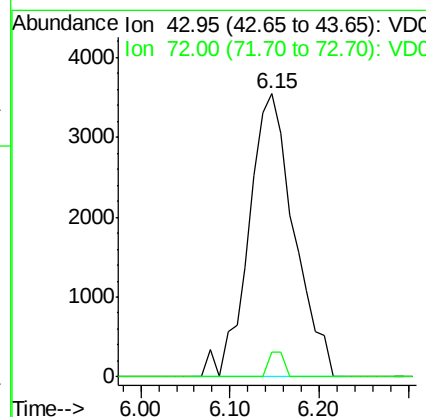
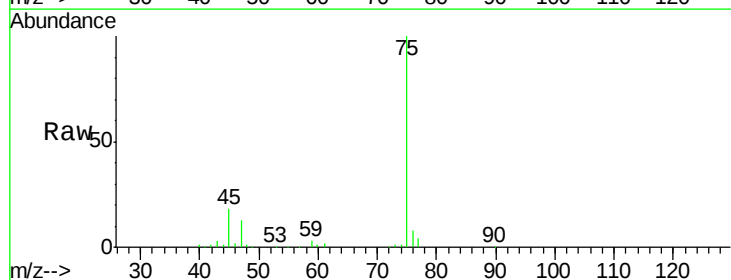
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

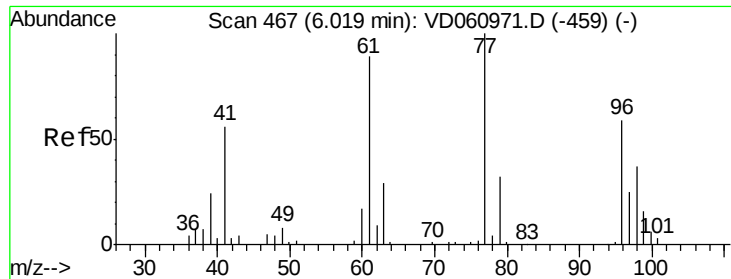
Tot Ion: 84 Resp: 30239
Ion Ratio Lower Upper
84 100
49 118.2 104.2 156.2
51 35.8 32.3 48.5
86 56.8 52.3 78.5



#25
2-Butanone
Concen: 5.821 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.08 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

Tgt Ion: 43 Resp: 12469
Ion Ratio Lower Upper
43 100
72 8.7 16.7 25.1#





#26

2,2-Dichloropropane

Concen: 1.366 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.13 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

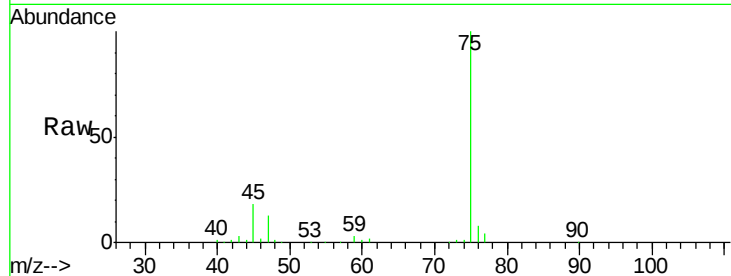
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion: 77 Resp: 15451

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.15

5000

4000

3000

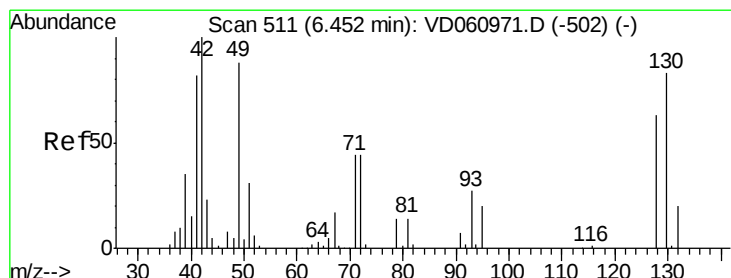
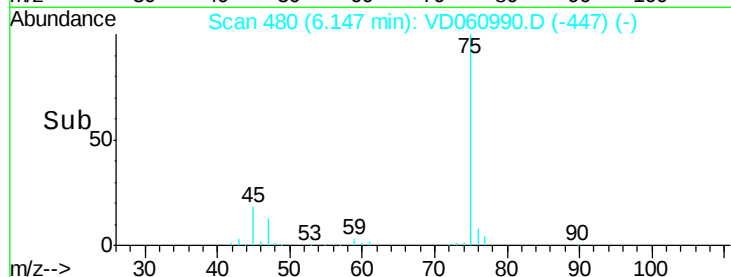
2000

1000

0

6.05 6.10 6.15 6.20

Time-->



#29

Tetrahydrofuran

Concen: 1.418 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

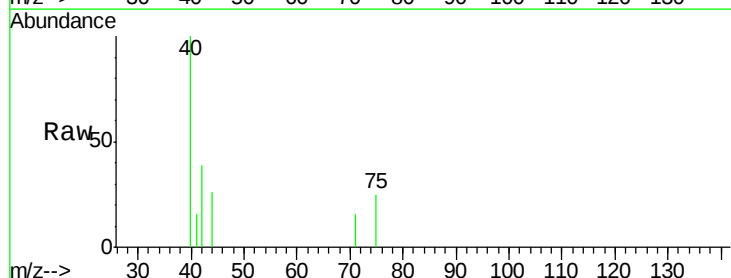
Tgt Ion: 42 Resp: 1650

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 11.5 33.8 50.6#



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

6.47

1000

800

600

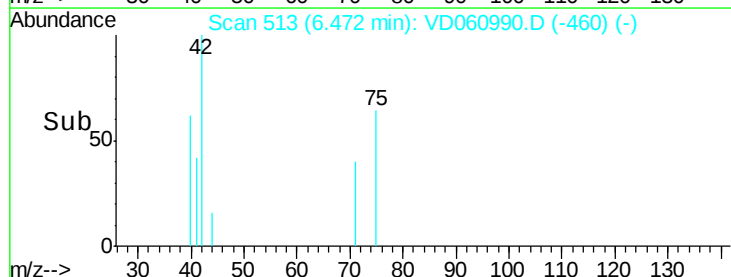
400

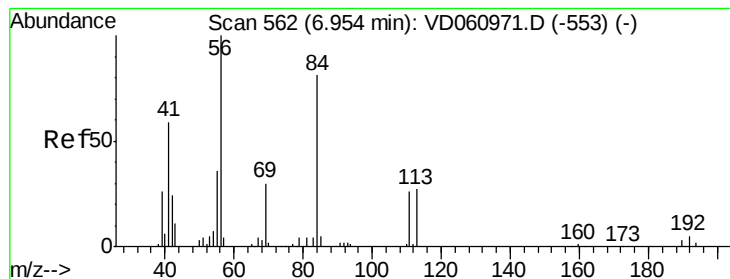
200

0

6.40 6.45 6.50

Time-->





#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-AA0-BB0-AA0A-BB0A

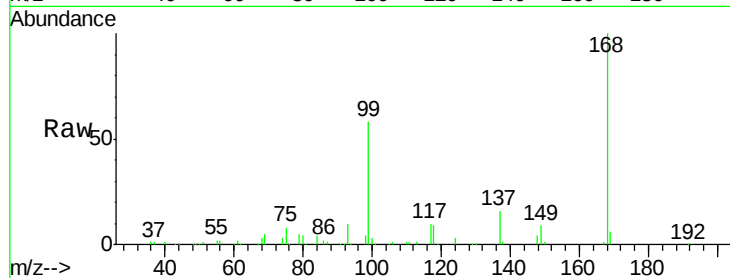
Tot Ion: 56 Resp: 14204

Ion Ratio Lower Upper

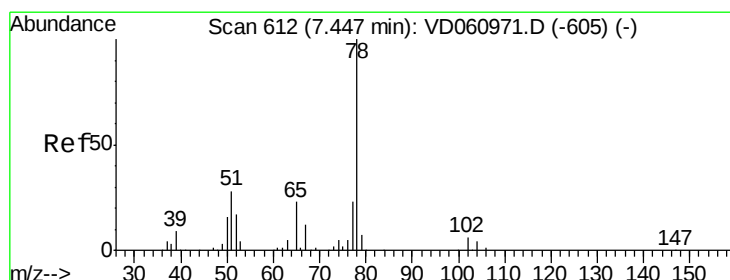
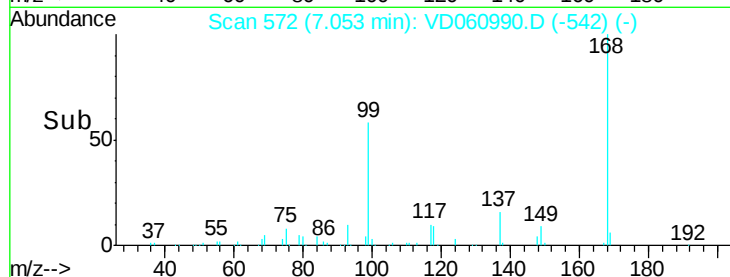
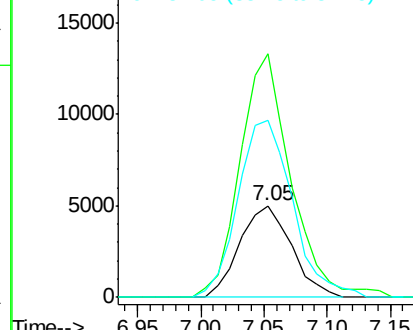
56 100

69 266.0 24.0 36.0#

84 193.8 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060990.D

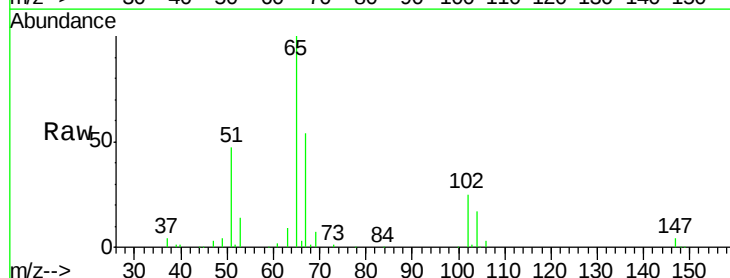
Acq: 8 Mar 2019 18:15

Tgt Ion: 65 Resp: 406447

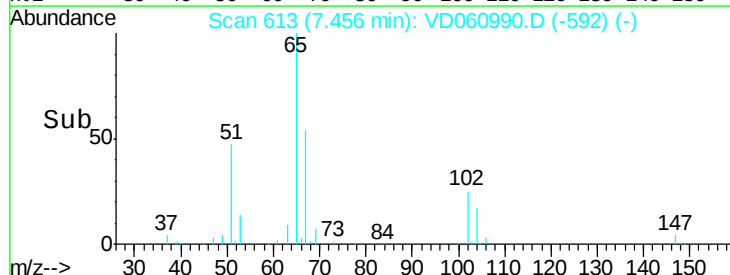
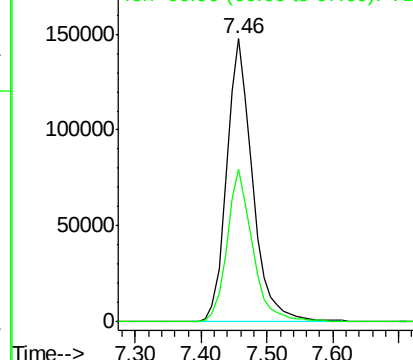
Ion Ratio Lower Upper

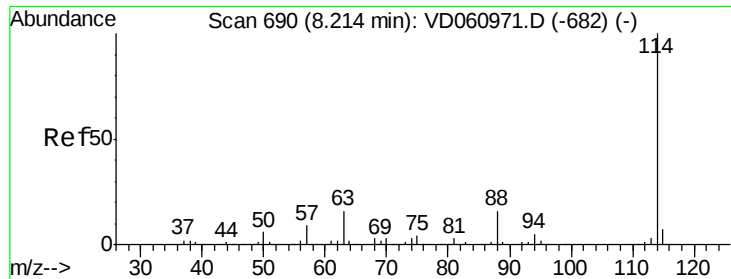
65 100

67 54.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

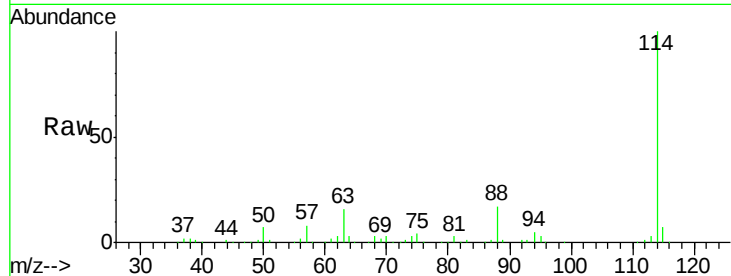




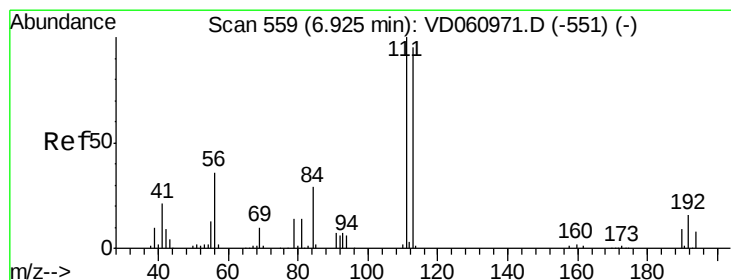
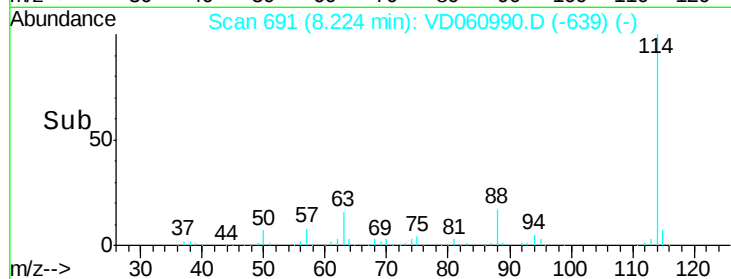
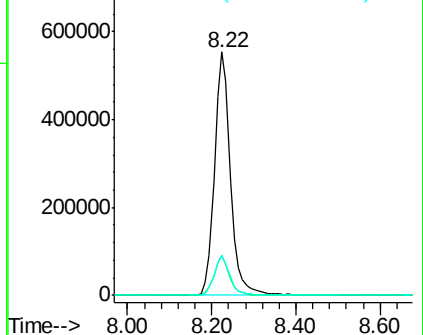
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD060990.D
 Acq: 8 Mar 2019 18:15

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion:114 Resp: 1451698
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.4
 88 16.6 0.0 33.0

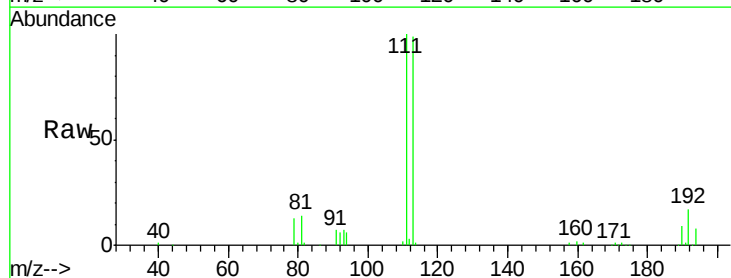


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

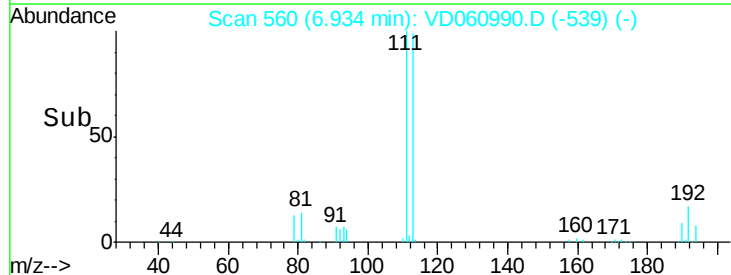
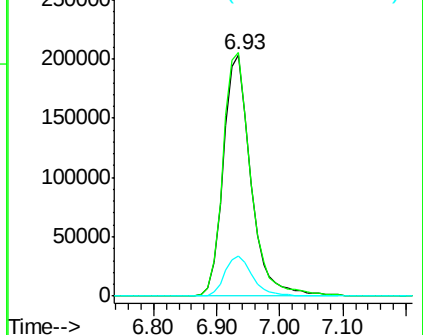


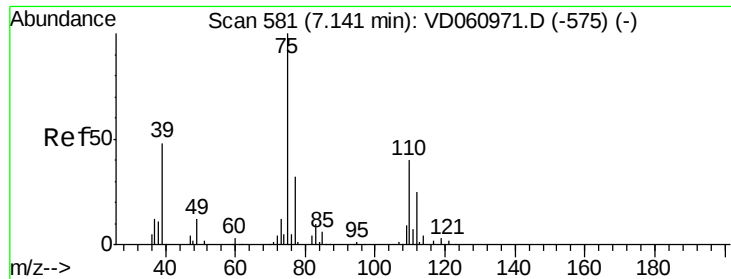
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD060990.D
 Acq: 8 Mar 2019 18:15

Tgt Ion:113 Resp: 616287
 Ion Ratio Lower Upper
 113 100
 111 100.8 84.2 126.4
 192 16.7 13.1 19.7



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: 4.890 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-AA0-BB0-AA0A-BB0A

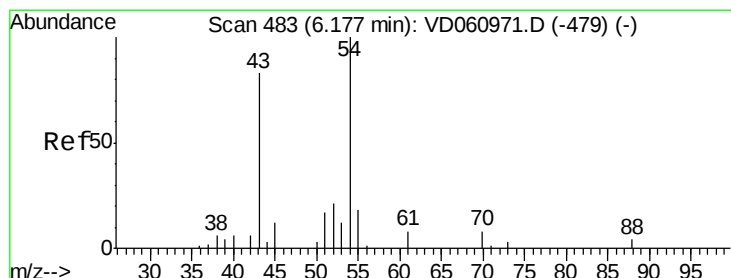
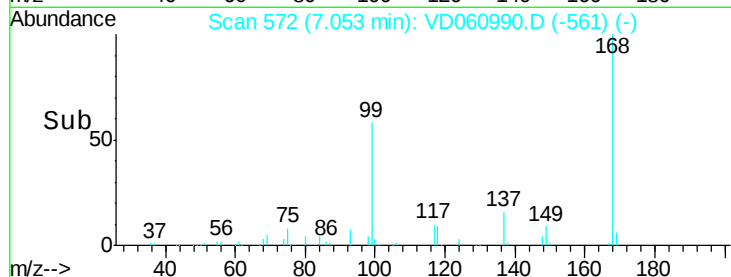
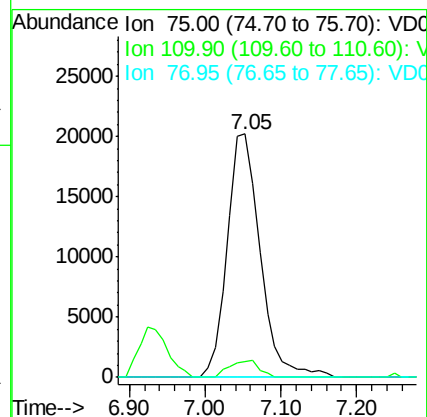
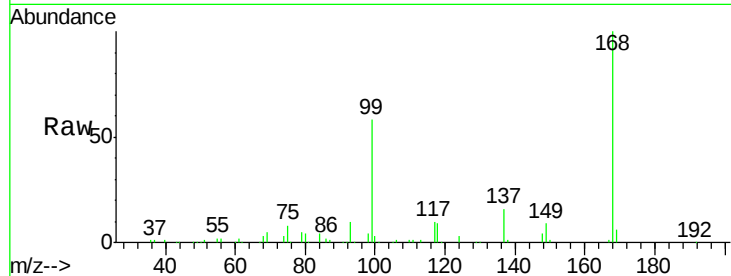
Tot Ion: 75 Resp: 61188

Ion Ratio Lower Upper

75 100

110 6.7 19.7 59.1#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.123 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.03 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

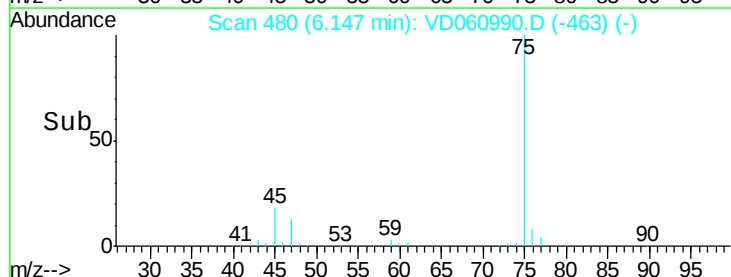
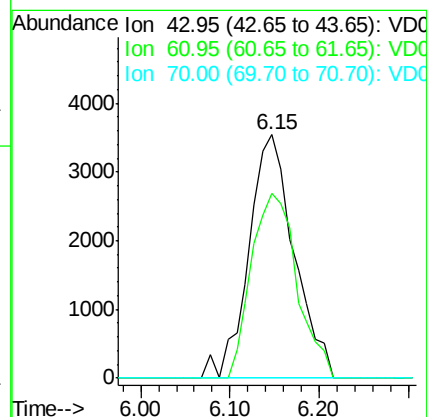
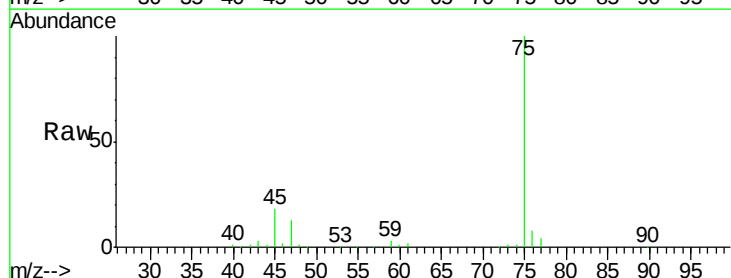
Tgt Ion: 43 Resp: 12469

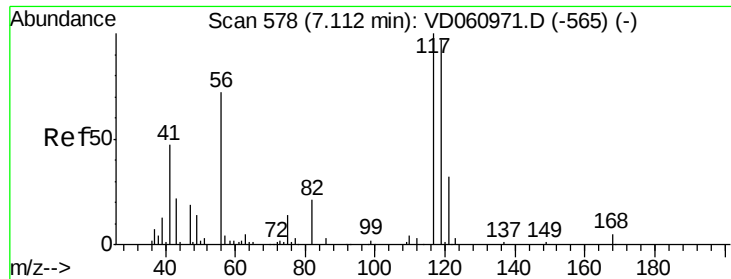
Ion Ratio Lower Upper

43 100

61 75.7 13.7 20.5#

70 0.0 7.1 10.7#

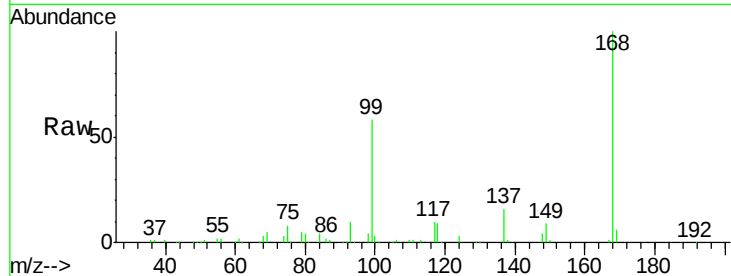




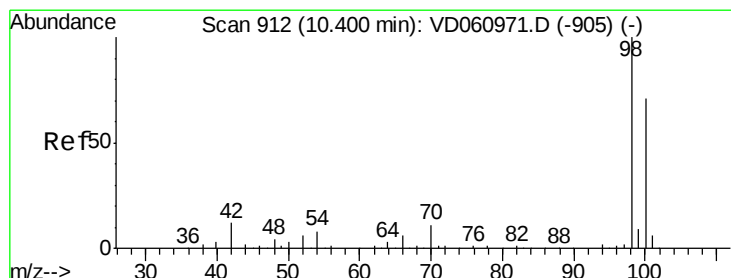
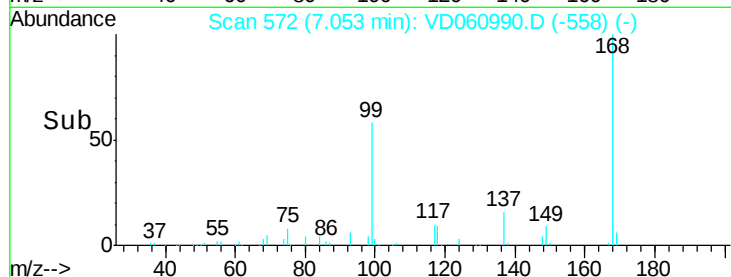
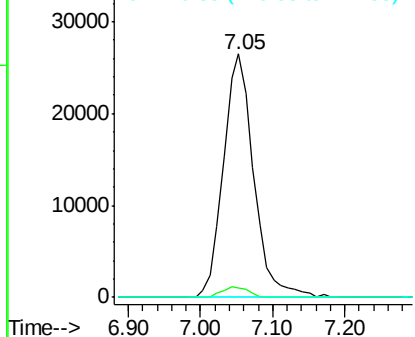
#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion:117 Resp: 77045
Ion Ratio Lower Upper
117 100
119 4.0 77.8 116.8#
121 0.0 25.3 37.9#

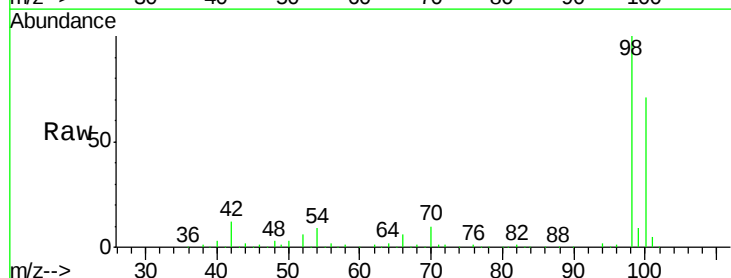


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

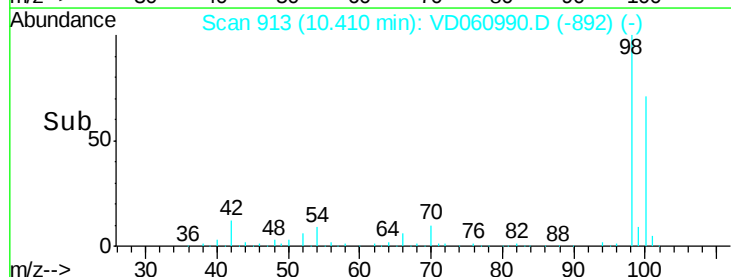
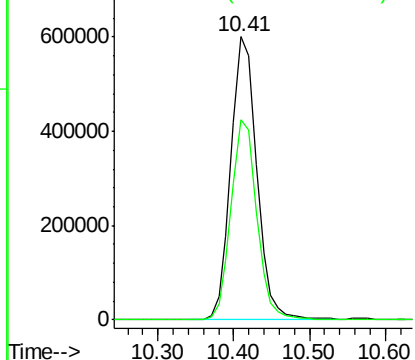


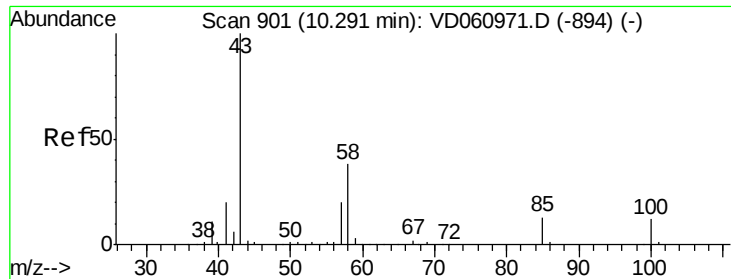
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

Tgt Ion: 98 Resp: 1421732
Ion Ratio Lower Upper
98 100
100 70.9 57.4 86.2



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: 0.462 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

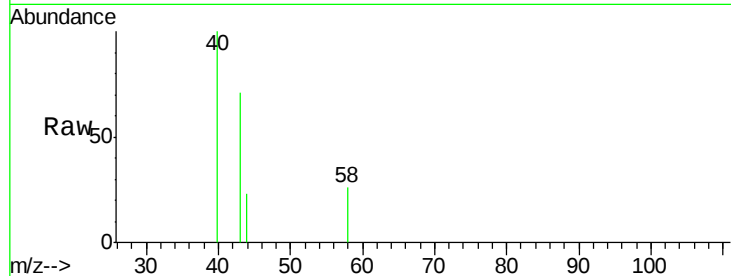
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion: 43 Resp: 2303

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

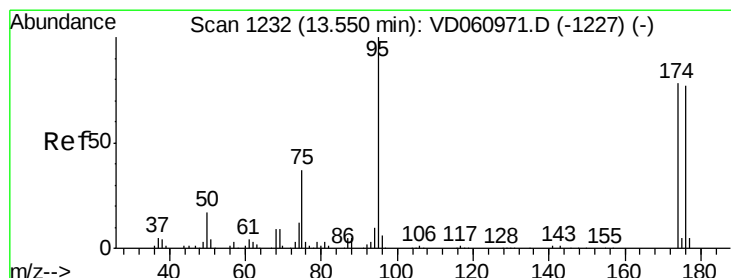
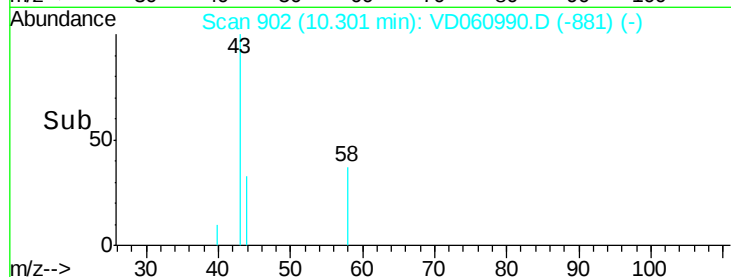
10.30

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

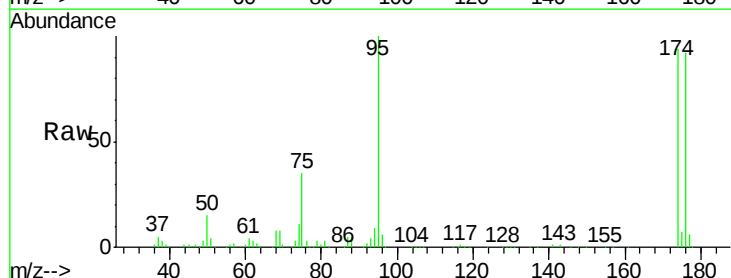
Tgt Ion: 95 Resp: 529192

Ion Ratio Lower Upper

95 100

174 93.6 0.0 155.6

176 92.1 0.0 153.8



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

400000

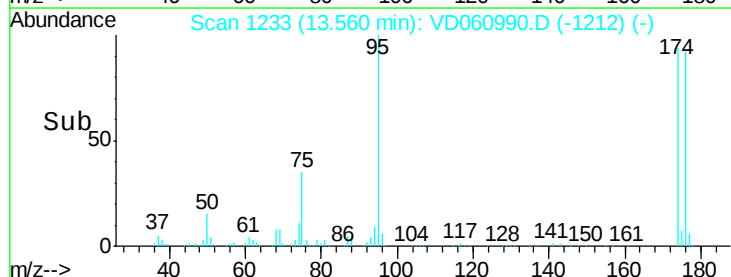
300000

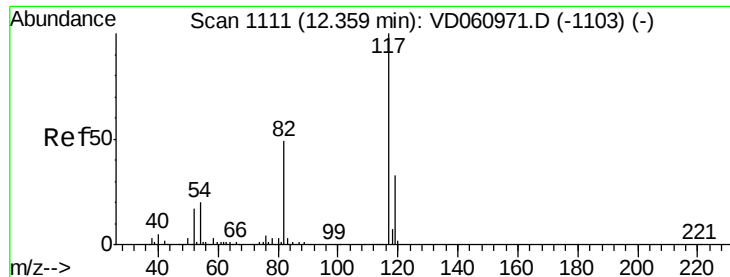
200000

100000

0

Time-->

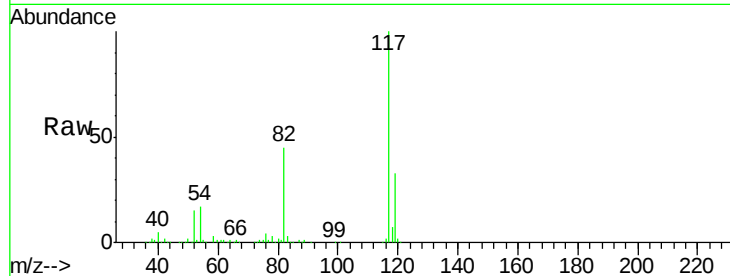




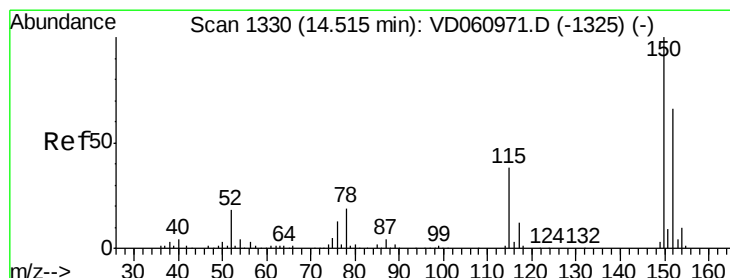
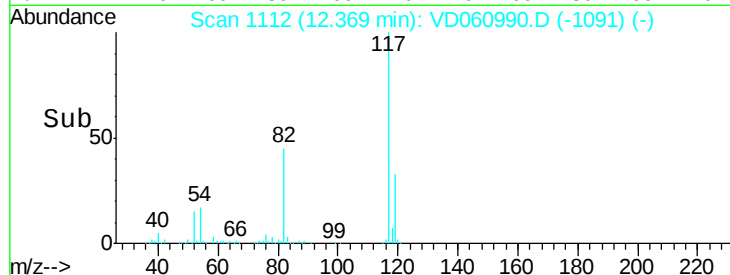
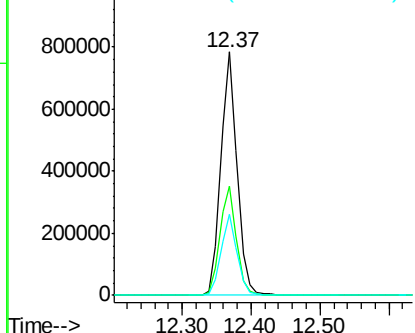
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-AA0-BB0-AA0A-BB0A

Tot Ion:117 Resp: 1282998
Ion Ratio Lower Upper
117 100
82 44.9 38.9 58.3
119 33.1 26.6 39.8

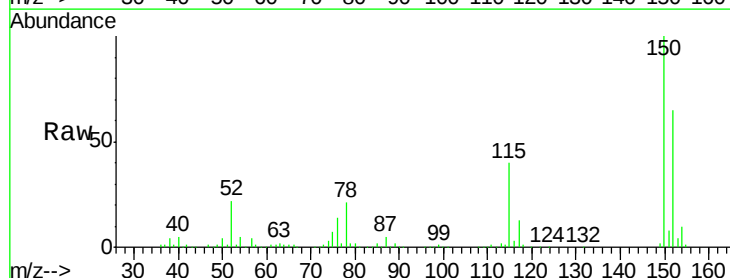


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

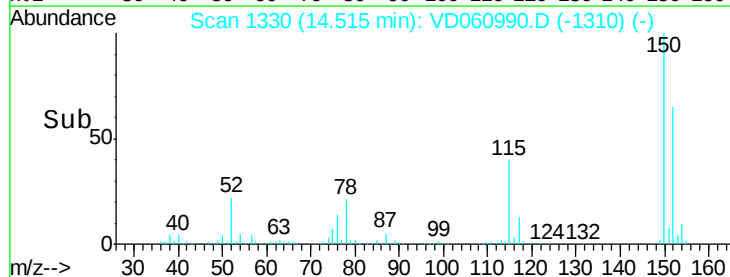
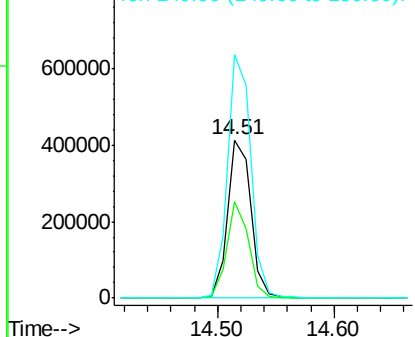


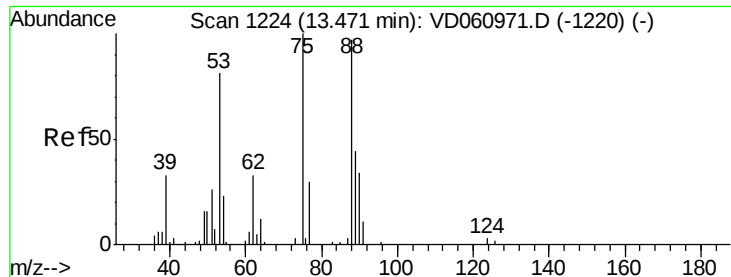
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD060990.D
Acq: 8 Mar 2019 18:15

Tgt Ion:152 Resp: 573351
Ion Ratio Lower Upper
152 100
115 60.7 28.6 85.9
150 153.7 0.0 310.6



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: 78.121 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060990.D

Acq: 8 Mar 2019 18:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-AA0-BB0-AA0A-BB0A

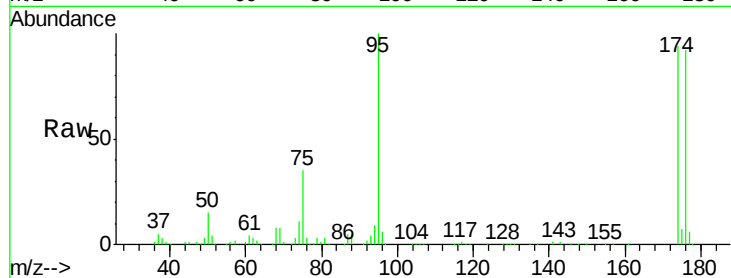
Tot Ion: 75 Resp: 189981

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

