

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061233.D
 Acq On : 21 Mar 2019 4:39
 Operator : VA/AP
 Sample : K1688-33
 Misc : 6.65g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-031919-G

Quant Time: Mar 22 02:07:48 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	7.04	168	641020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1160983	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	812066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	352952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	265147	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	6.92	113	404041	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	10.41	98	754657	34.88	ug/l	0.00
Spiked Amount			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	13.55	95	292119	34.80	ug/l	0.00
Spiked Amount			Recovery	=	69.60%	

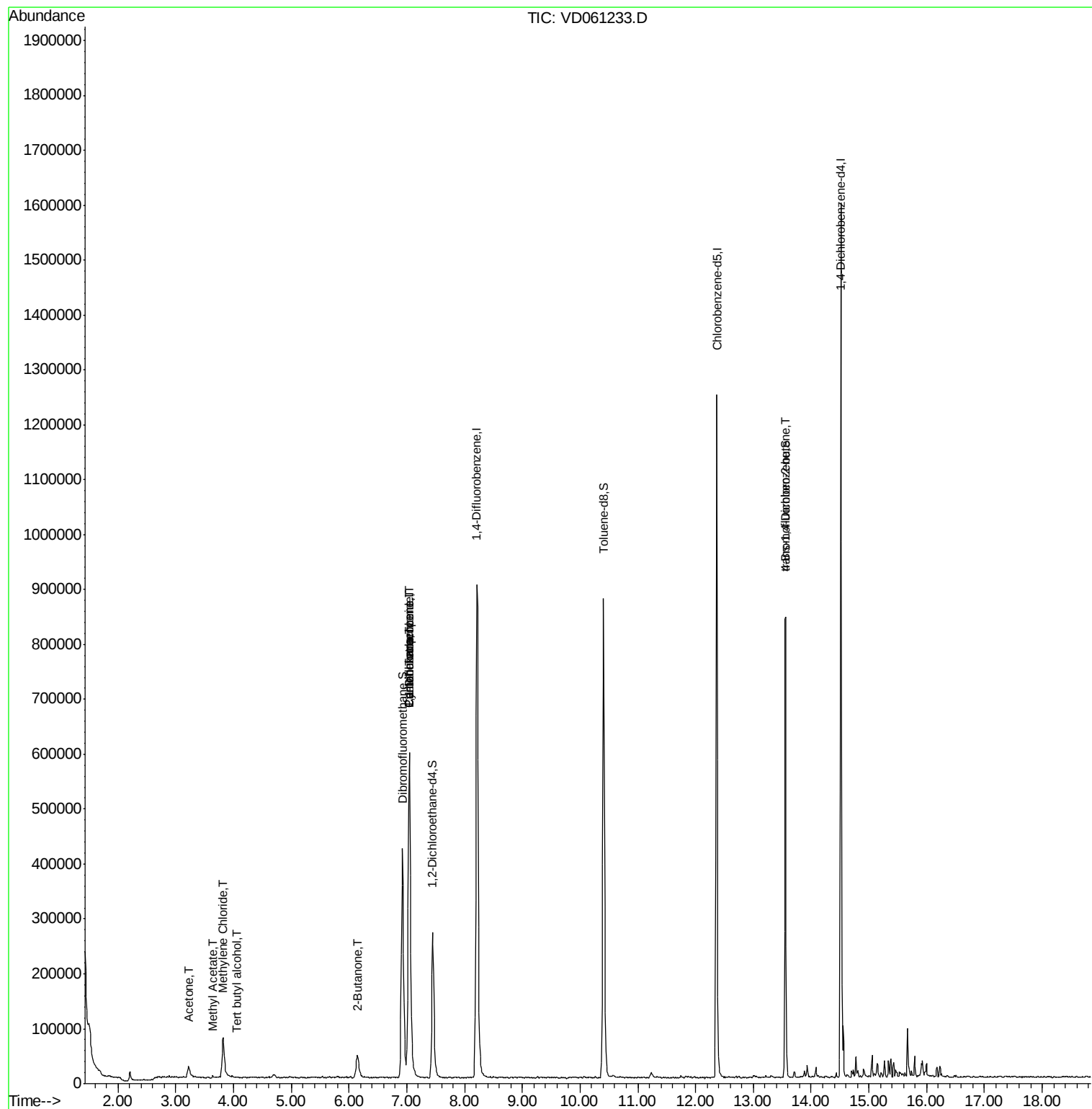
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.22	94	180	Below Cal	#	8
11) Tert butyl alcohol	4.06	59	648	1.908	ug/l #	75
16) Acetone	3.22	43	39666	25.997	ug/l	97
18) Methyl Acetate	3.64	43	4894	1.630	ug/l	96
20) Methylene Chloride	3.82	84	58938	4.200	ug/l	87
25) 2-Butanone	6.15	43	2716	1.569	ug/l #	55
31) Cyclohexane	7.04	56	9892	1.048	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	46588	4.655	ug/l #	46
38) Carbon Tetrachloride	7.04	117	60108	5.453	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	107786	71.999	ug/l #	17

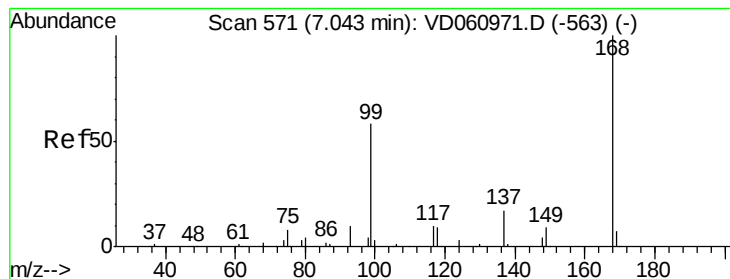
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

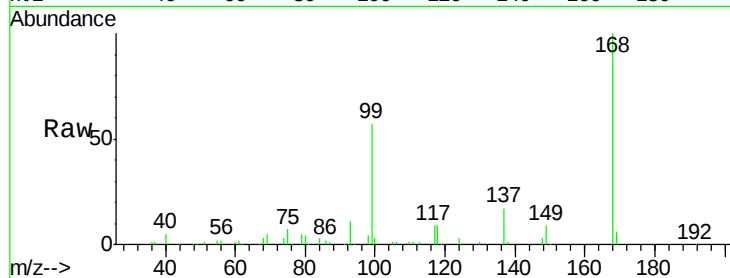
JC-02-031919-G

Tot Ion:168 Resp: 641020

Ion Ratio Lower Upper

168 100

99 57.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

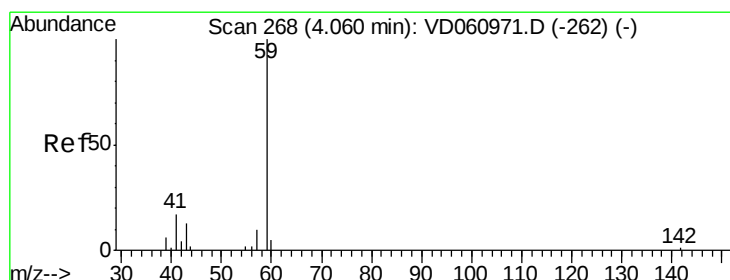
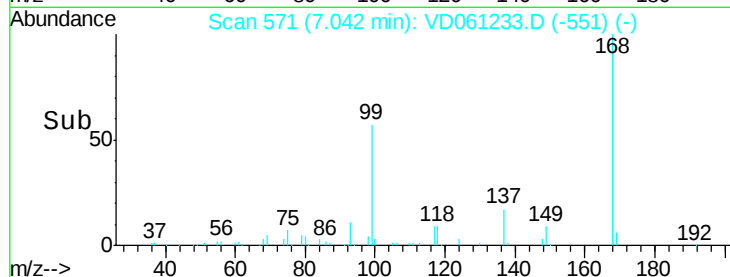
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.908 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD061233.D

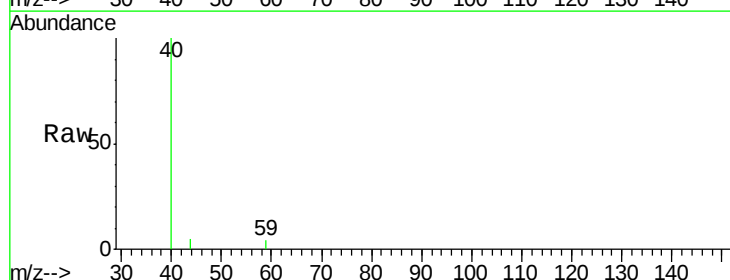
Acq: 21 Mar 2019 4:39

Tgt Ion: 59 Resp: 648

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

4.06

500

400

300

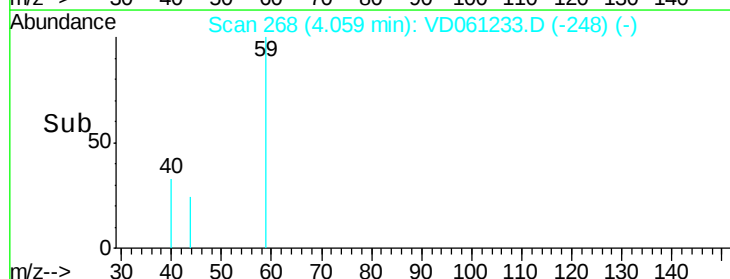
200

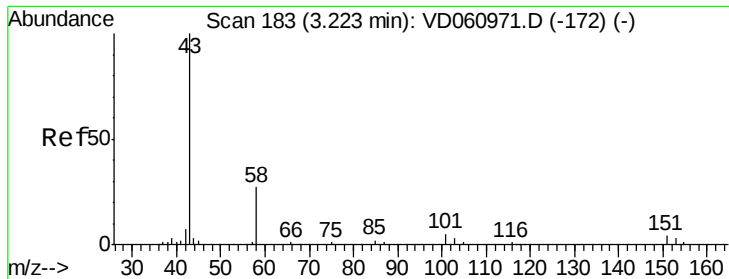
100

0

Time-->

4.02 4.04 4.06 4.08 4.10





#16

Acetone

Concen: 25.997 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

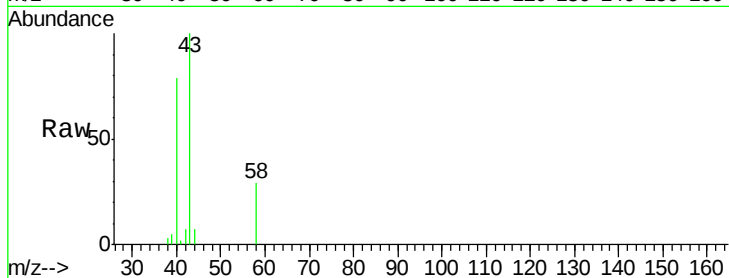
JC-02-031919-G

Tot Ion: 43 Resp: 39666

Ion Ratio Lower Upper

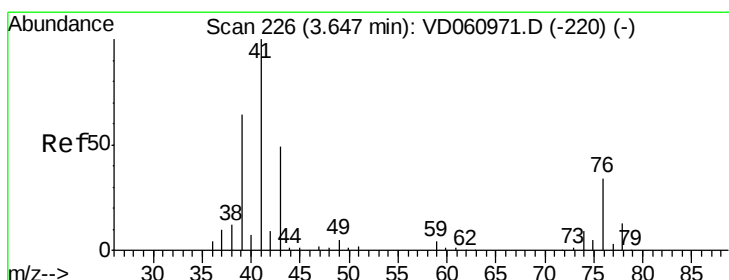
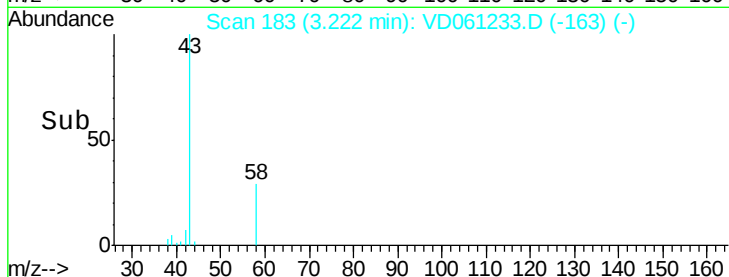
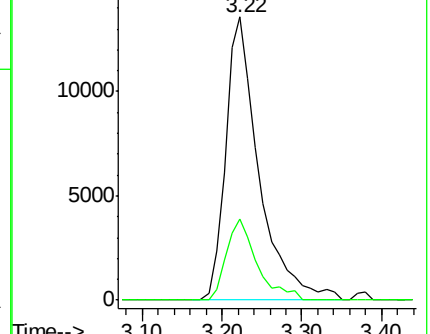
43 100

58 28.6 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: 1.630 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061233.D

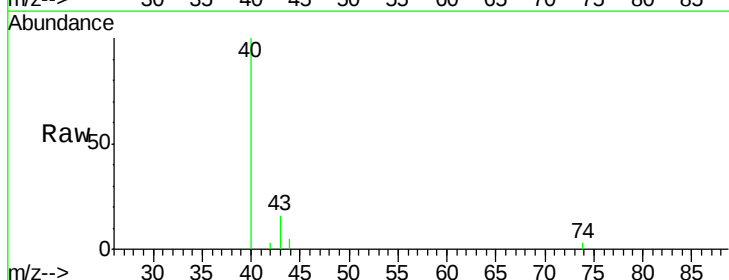
Acq: 21 Mar 2019 4:39

Tgt Ion: 43 Resp: 4894

Ion Ratio Lower Upper

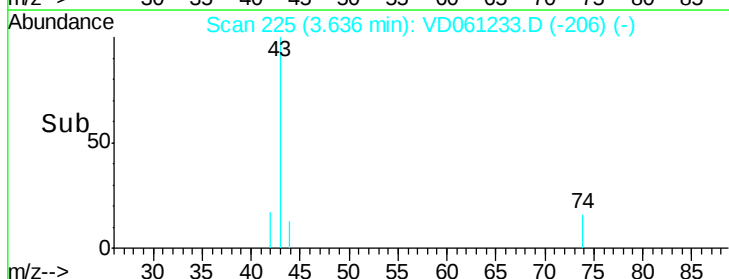
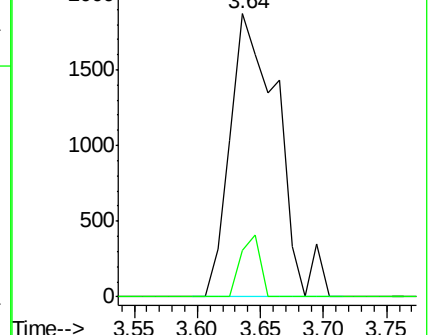
43 100

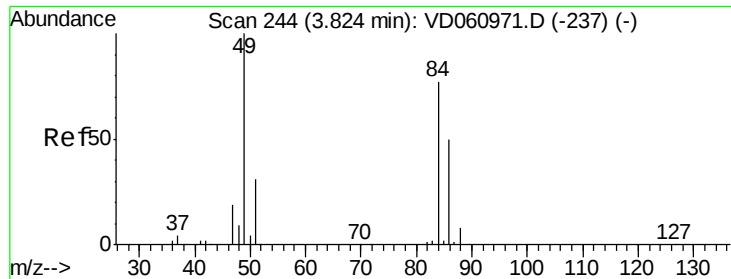
74 16.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

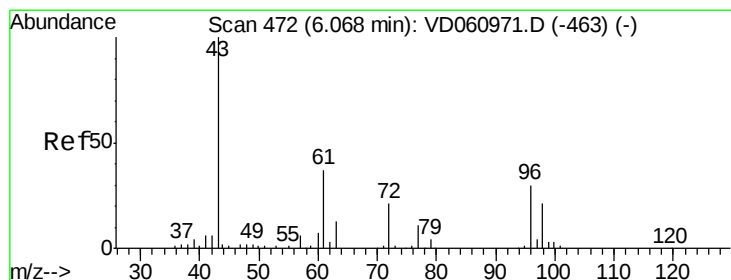
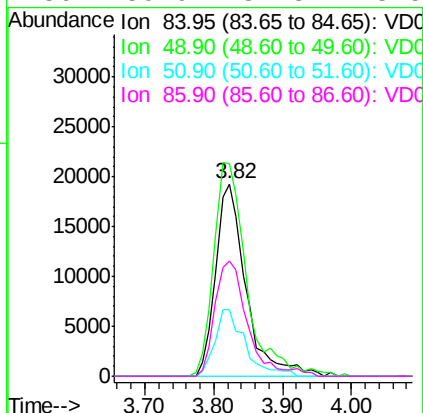
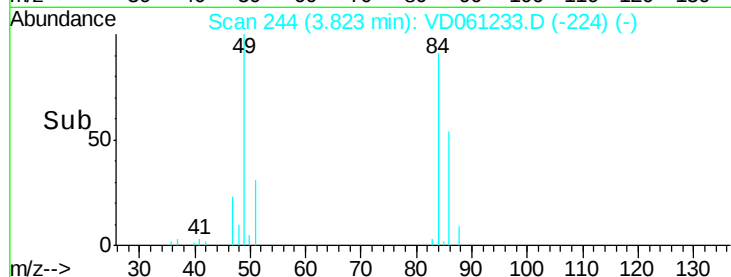
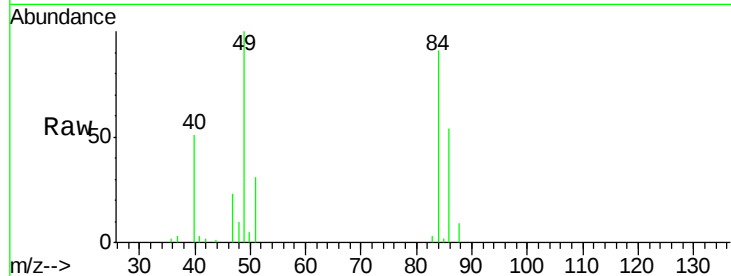




#20
Methylene Chloride
Concen: 4.200 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

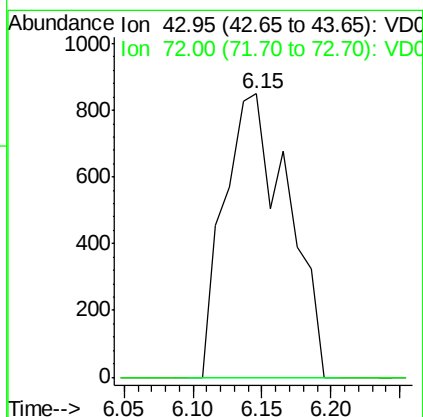
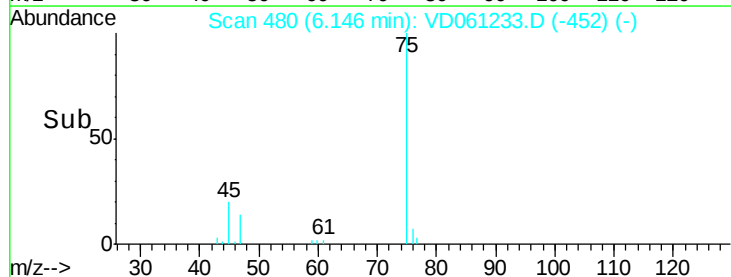
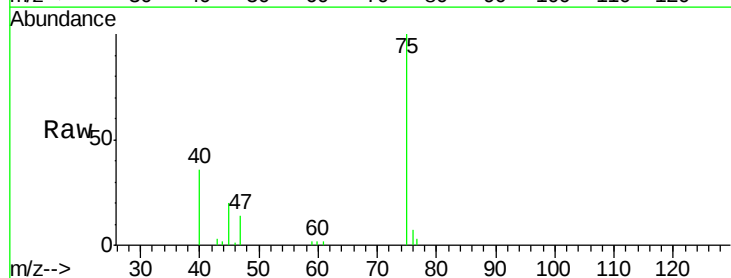
Instrument :
MSVOA_D
ClientSampleId :
JC-02-031919-G

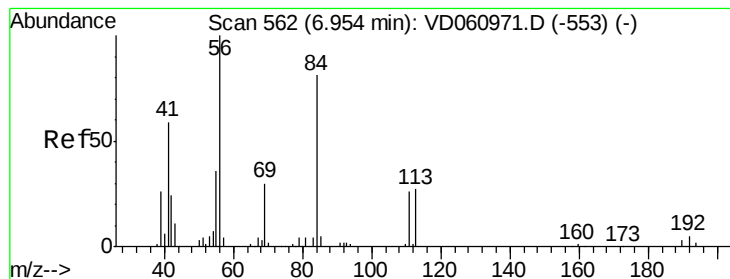
Tot Ion: 84 Resp: 58938
Ion Ratio Lower Upper
84 100
49 110.4 104.2 156.2
51 34.4 32.3 48.5
86 59.9 52.3 78.5



#25
2-Butanone
Concen: 1.569 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.08 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#





#31

Cyclohexane

Concen: 1.048 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

JC-02-031919-G

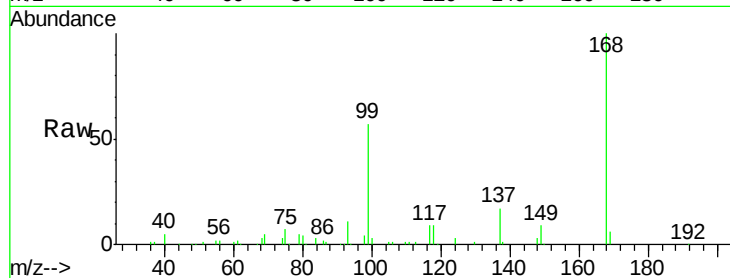
Tot Ion: 56 Resp: 9892

Ion Ratio Lower Upper

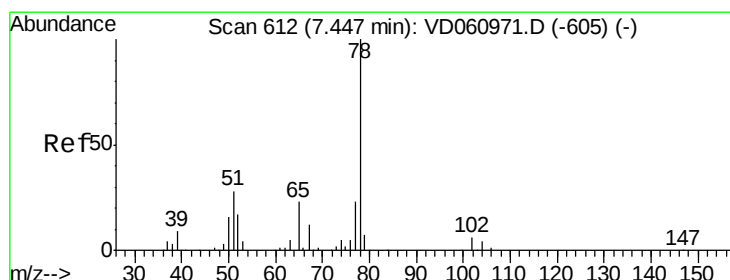
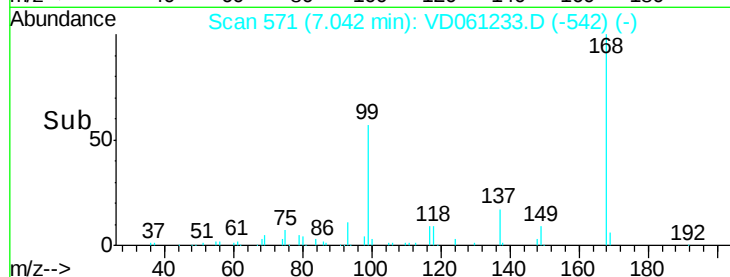
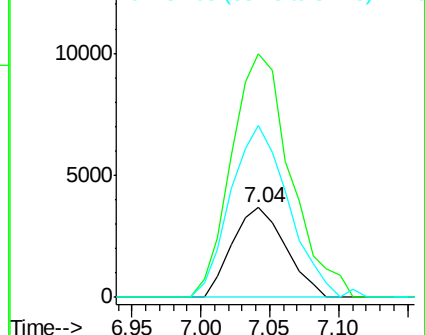
56 100

69 271.6 24.0 36.0#

84 191.4 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: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061233.D

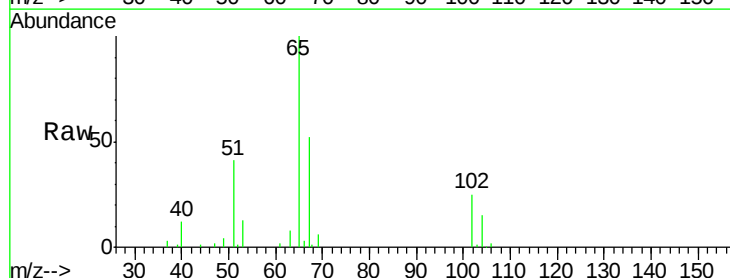
Acq: 21 Mar 2019 4:39

Tgt Ion: 65 Resp: 265147

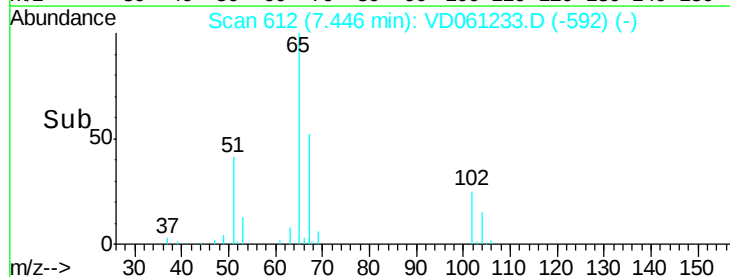
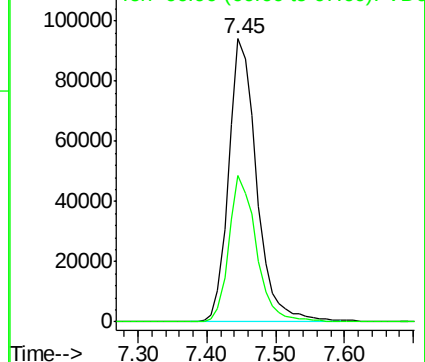
Ion Ratio Lower Upper

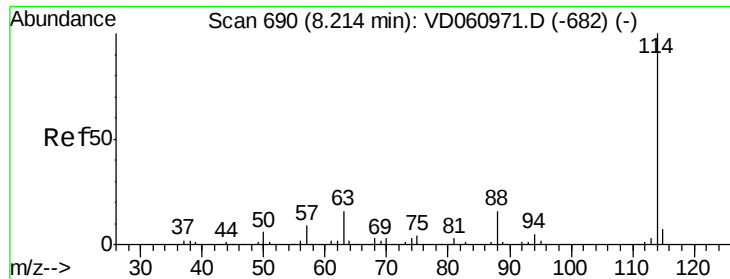
65 100

67 51.7 0.0 105.2



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

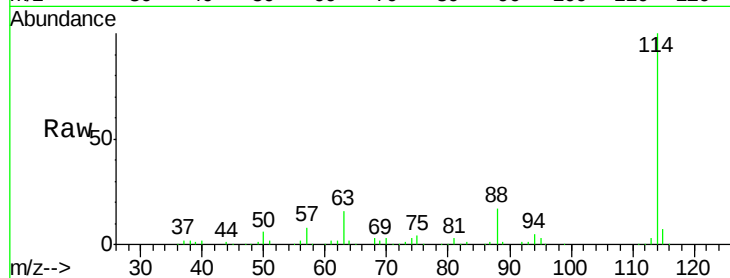




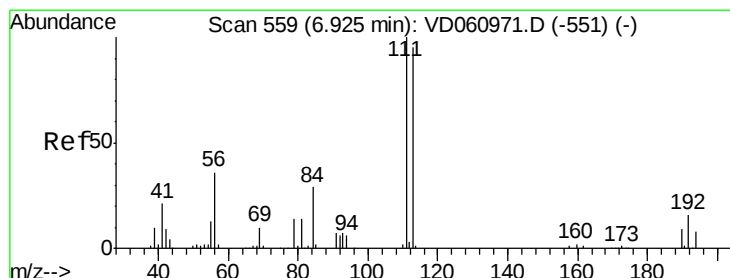
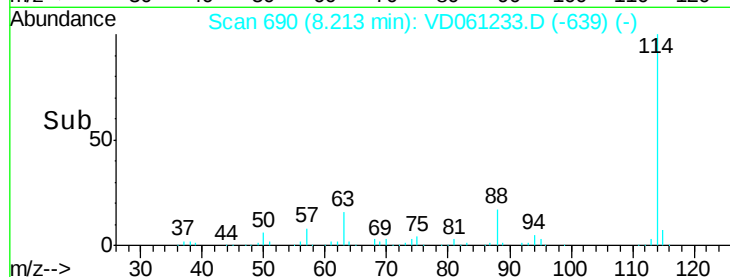
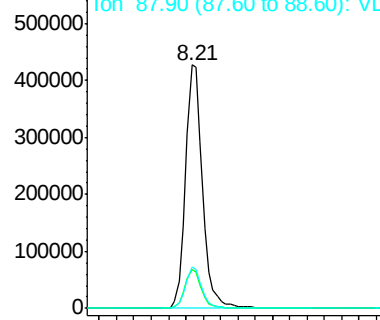
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061233.D
 Acq: 21 Mar 2019 4:39

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-031919-G

Tot Ion:114 Resp: 1160983
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 17.0 0.0 33.0

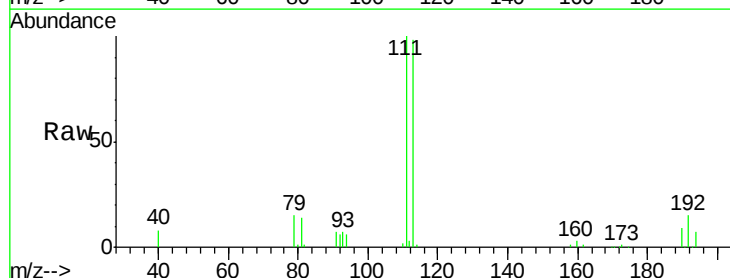


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

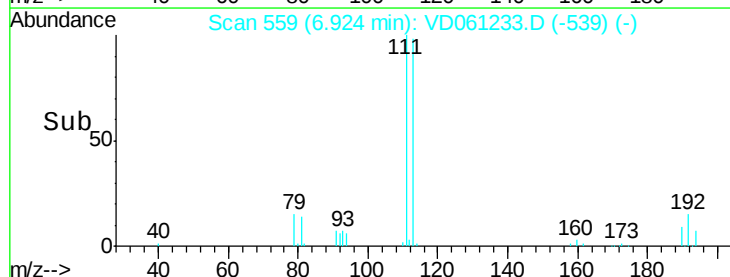
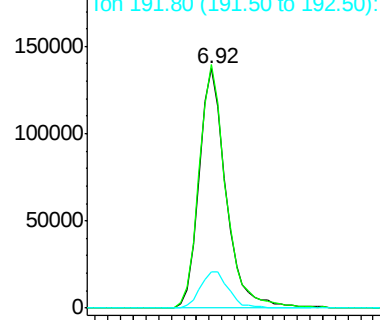


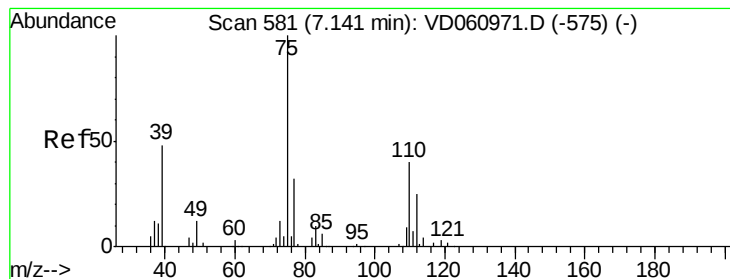
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061233.D
 Acq: 21 Mar 2019 4:39

Tgt Ion:113 Resp: 404041
 Ion Ratio Lower Upper
 113 100
 111 101.6 84.2 126.4
 192 15.0 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: 4.655 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

JC-02-031919-G

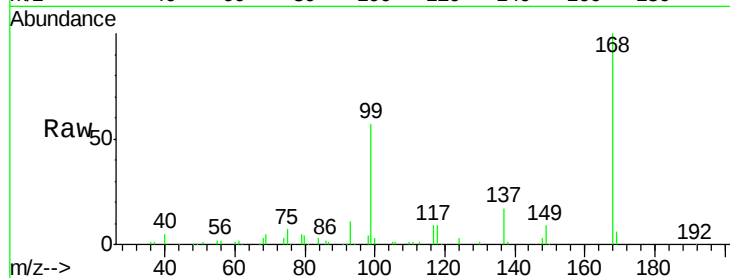
Tot Ion: 75 Resp: 46588

Ion Ratio Lower Upper

75 100

110 7.1 19.7 59.1#

77 0.0 24.7 37.1#

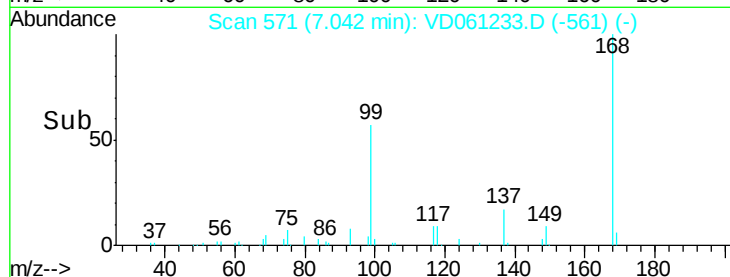


Abundance Ion 75.00 (74.70 to 75.70): V

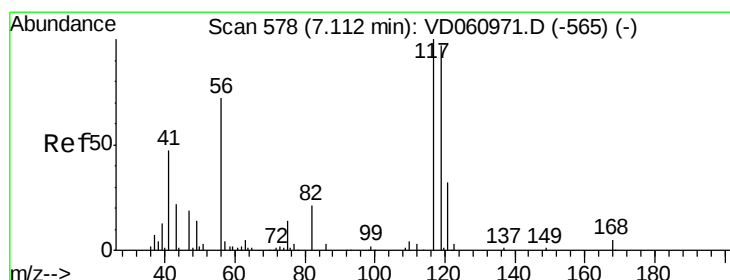
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

Time--> 6.90 7.00 7.10 7.20



Time--> 6.90 7.00 7.10 7.20



#38

Carbon Tetrachloride

Concen: 5.453 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

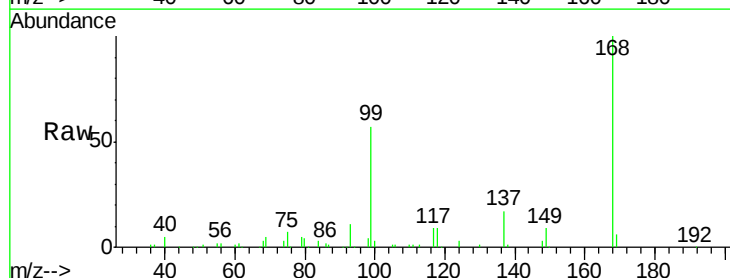
Tgt Ion: 117 Resp: 60108

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

121 0.0 25.3 37.9#

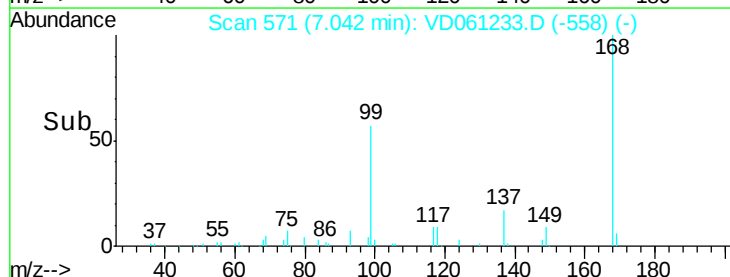


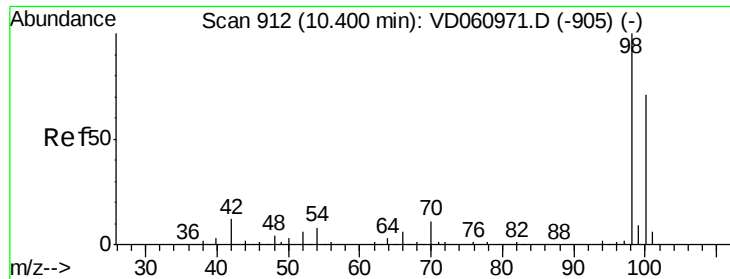
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

Time--> 6.90 7.00 7.10 7.20

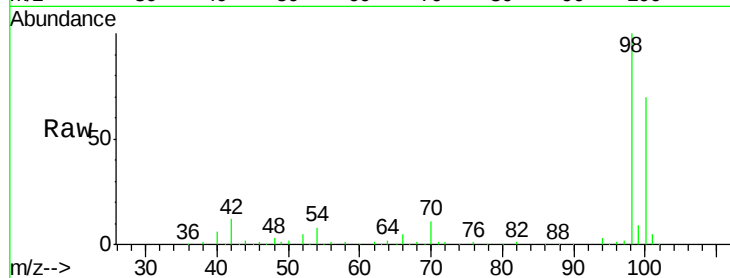




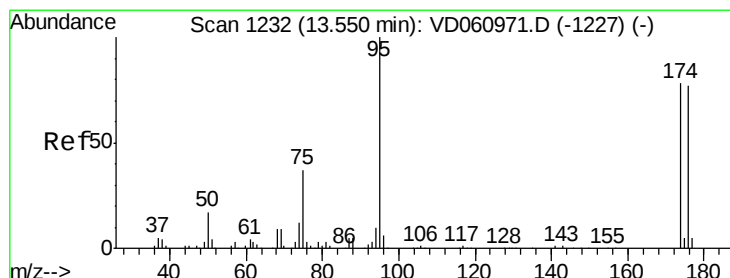
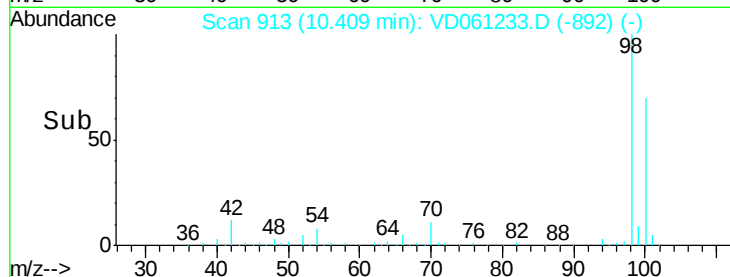
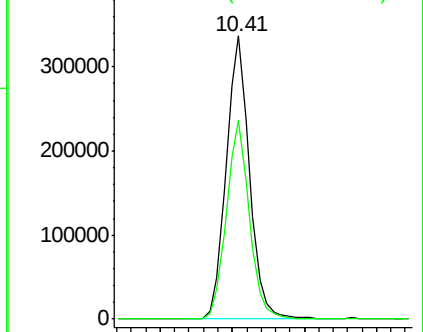
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

Instrument :
MSVOA_D
ClientSampleId :
JC-02-031919-G

Tot Ion: 98 Resp: 754657
Ion Ratio Lower Upper
98 100
100 70.3 57.4 86.2

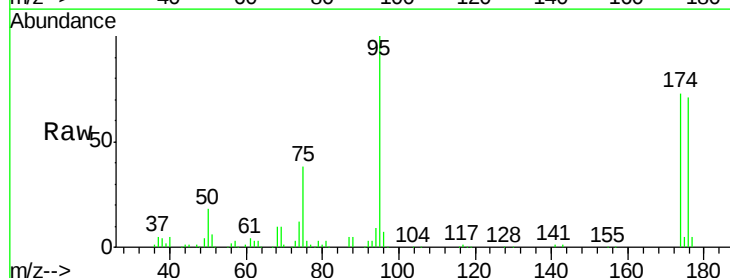


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

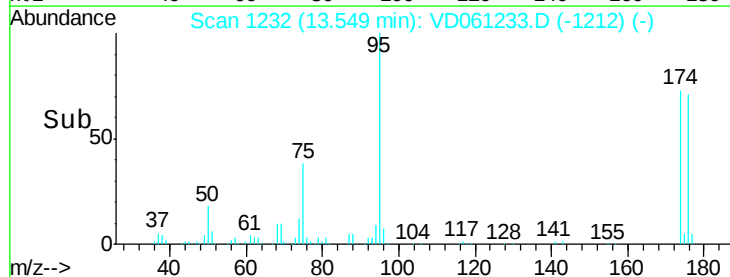
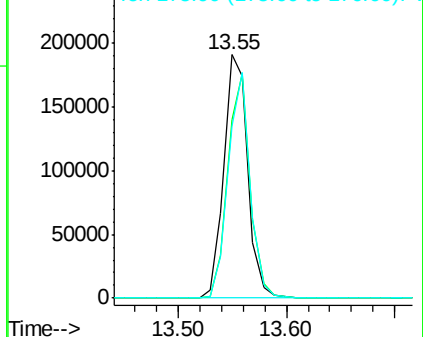


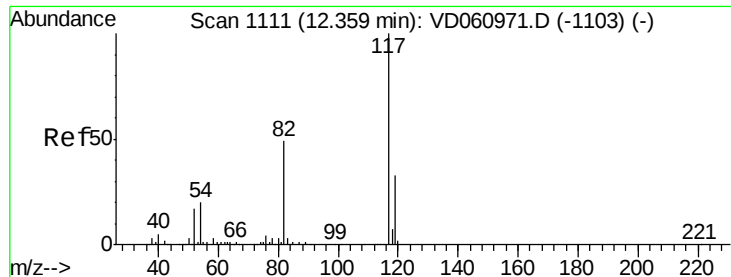
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

Tgt Ion: 95 Resp: 292119
Ion Ratio Lower Upper
95 100
174 73.4 0.0 155.6
176 70.6 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

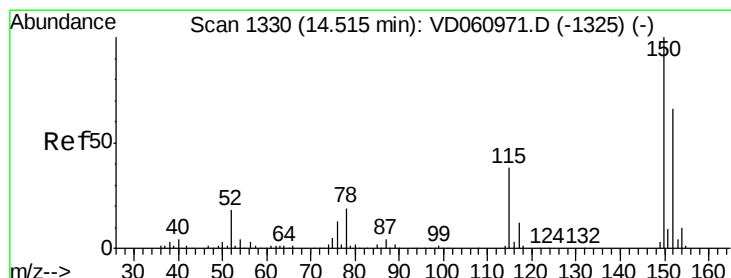
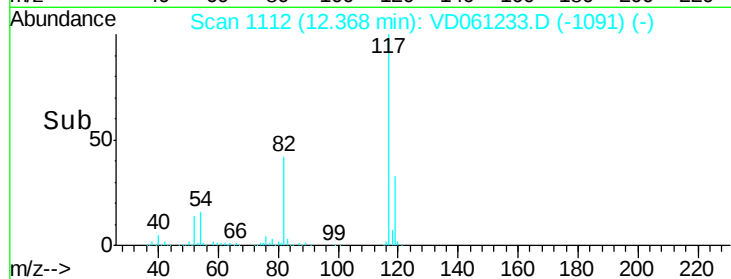
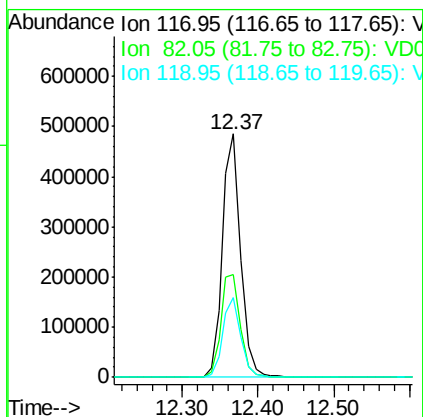
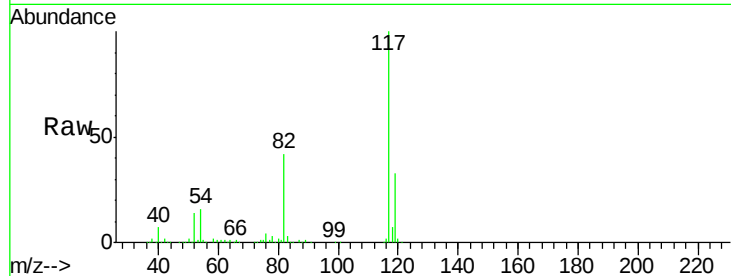




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

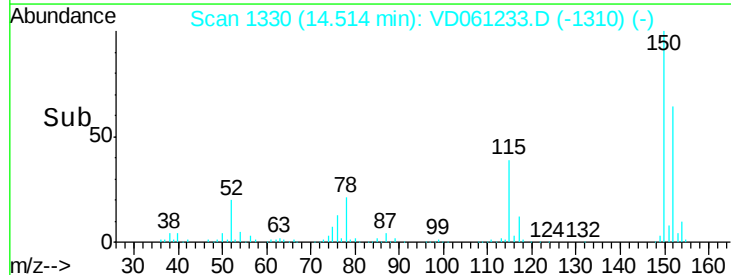
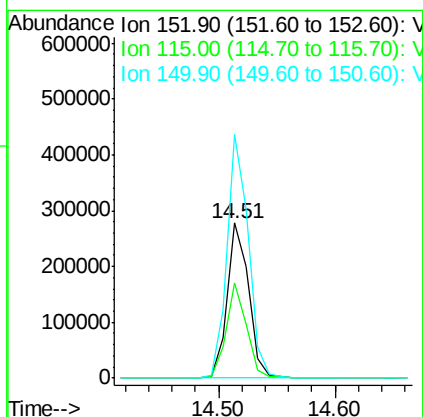
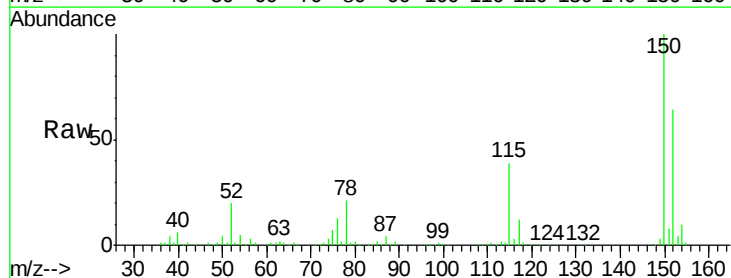
Instrument :
MSVOA_D
ClientSampleId :
JC-02-031919-G

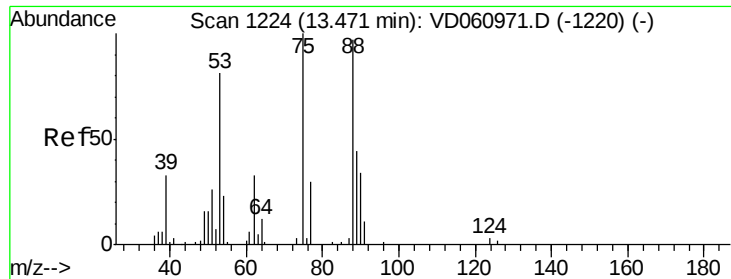
Tot Ion:117 Resp: 812066
Ion Ratio Lower Upper
117 100
82 42.4 38.9 58.3
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061233.D
Acq: 21 Mar 2019 4:39

Tgt Ion:152 Resp: 352952
Ion Ratio Lower Upper
152 100
115 61.2 28.6 85.9
150 156.8 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 71.999 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061233.D

Acq: 21 Mar 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

JC-02-031919-G

Tot Ion: 75 Resp: 107786

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

