

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061435.D
 Acq On : 29 Mar 2019 17:47
 Operator : VA/AP
 Sample : K2011-01RE
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

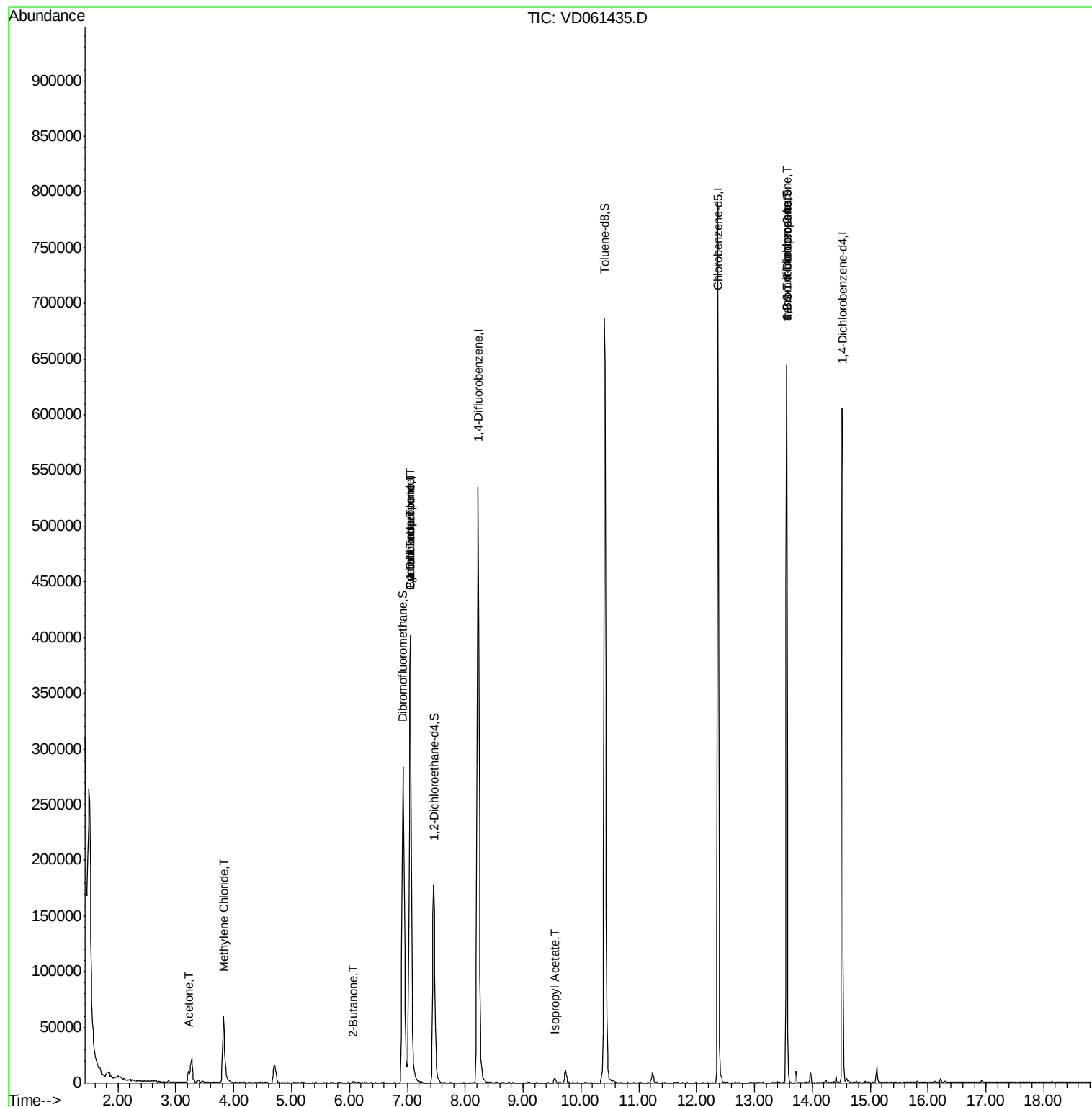
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	395303	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	644796	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	482827	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	152113	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	177613	52.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	6.92	113	265778	53.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	10.41	98	610604	51.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	13.56	95	195903	43.23	ug/l	0.01
Spiked Amount 50.000			Recovery	=	86.46%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	21854	25.175	ug/l	90
20) Methylene Chloride	3.82	84	44098	7.434	ug/l	91
25) 2-Butanone	6.07	43	2073	1.898	ug/l #	54
31) Cyclohexane	7.05	56	6455	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28494	5.063	ug/l #	46
38) Carbon Tetrachloride	7.05	117	40094	6.200	ug/l #	13
43) Isopropyl Acetate	9.53	43	3878	1.107	ug/l #	42
76) 1,2,3-Trichloropropane	13.56	75	67704	30.812	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	73181	109.232	ug/l #	18

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_D

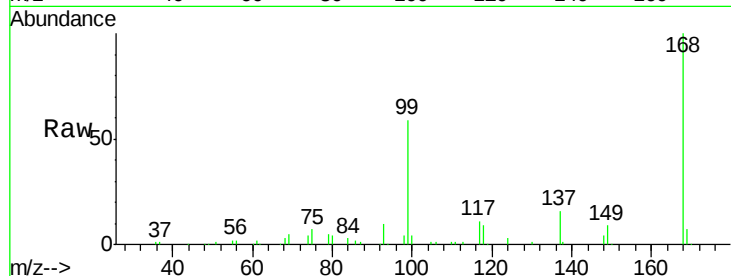
ClientSampleId :

Tot Ion:168 Resp: 395303

Ion Ratio Lower Upper

168 100

99 58.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

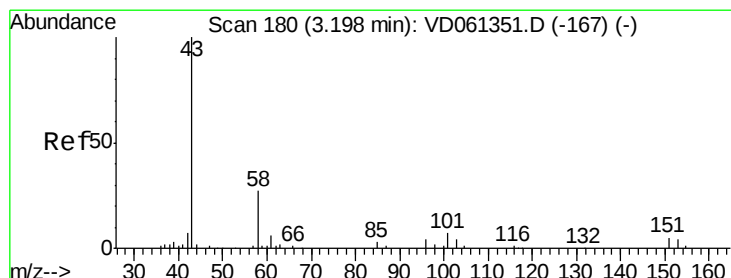
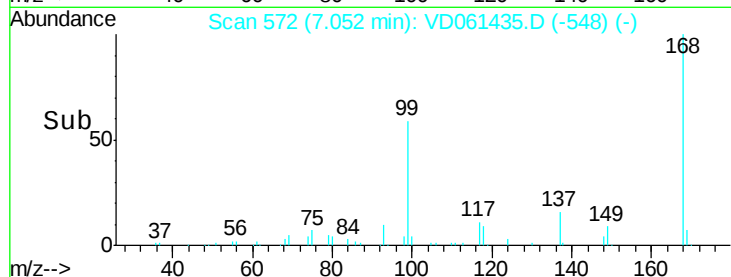
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 25.175 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061435.D

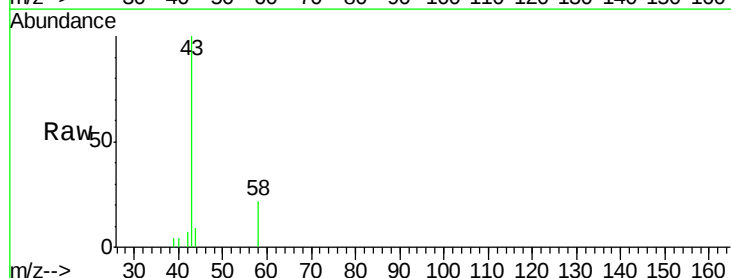
Acq: 29 Mar 2019 17:47

Tgt Ion: 43 Resp: 21854

Ion Ratio Lower Upper

43 100

58 21.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

8000

6000

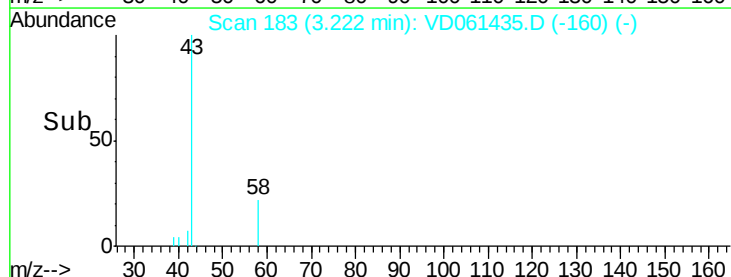
4000

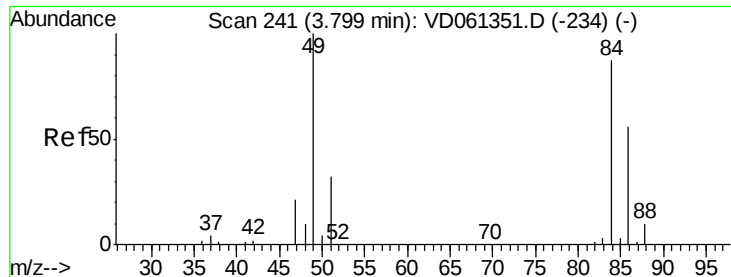
2000

0

Time-->

3.10 3.20 3.30

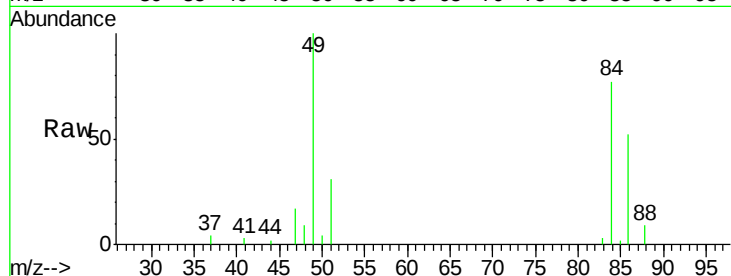




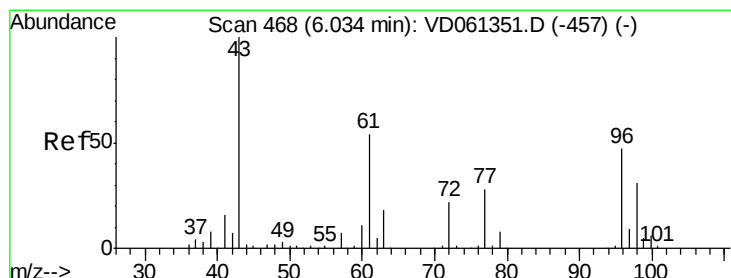
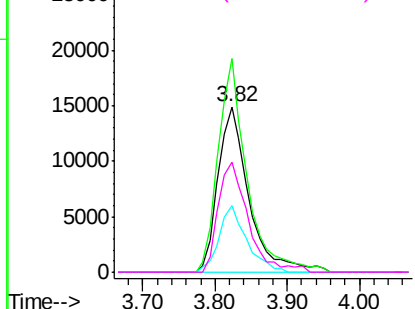
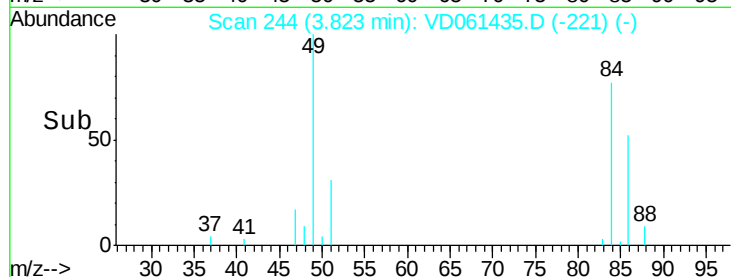
#20
Methylene Chloride
Concen: 7.434 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 44098
Ion Ratio Lower Upper
84 100
49 129.3 91.8 137.8
51 40.7 29.8 44.8
86 66.7 51.8 77.6

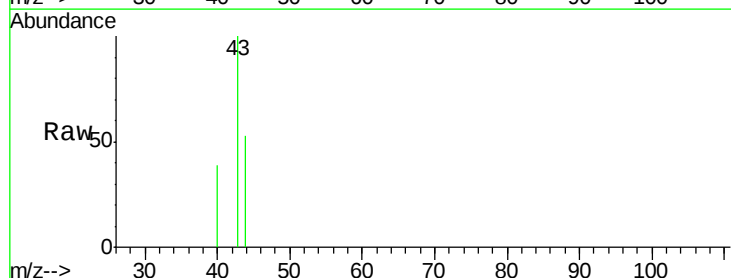


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

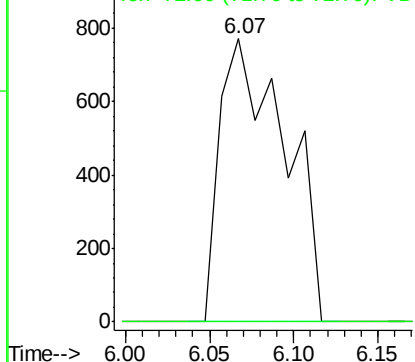
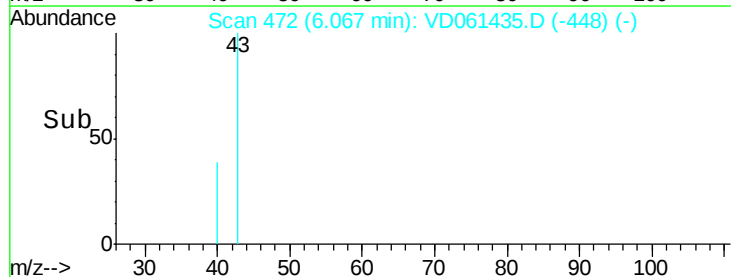


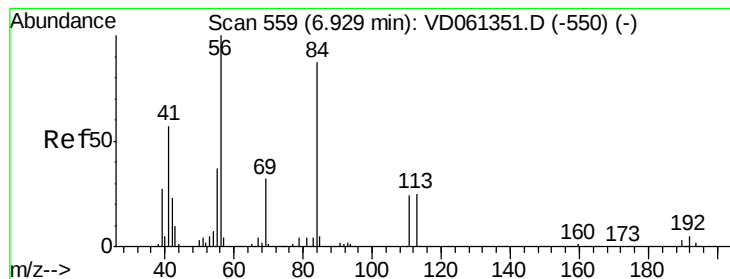
#25
2-Butanone
Concen: 1.898 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_D
ClientSampled :

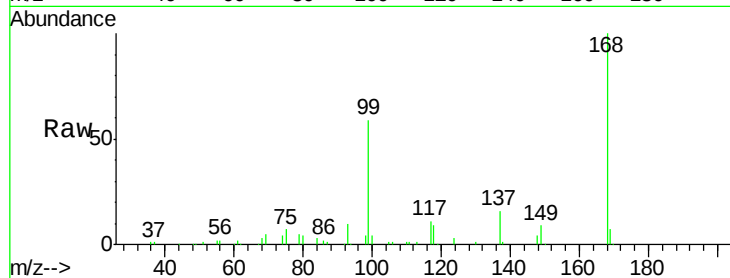
Tot Ion: 56 Resp: 6455

Ion Ratio Lower Upper

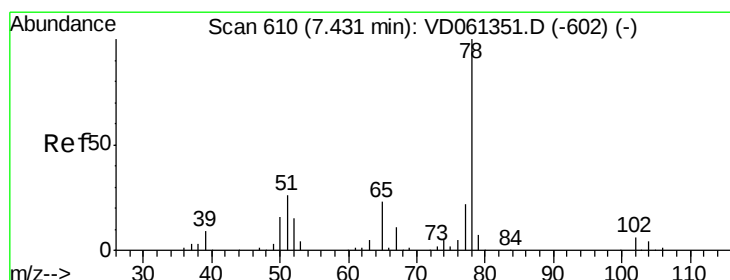
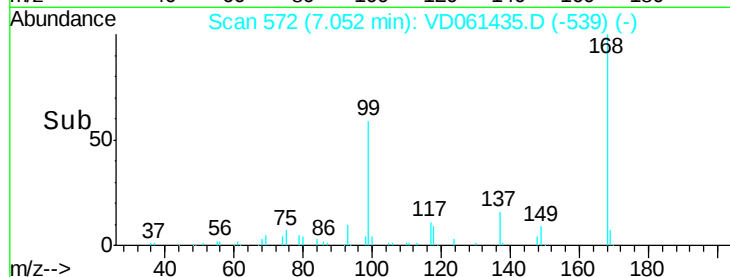
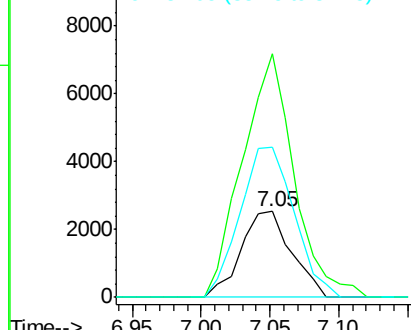
56 100

69 282.7 25.7 38.5#

84 174.7 70.6 105.8#



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. 0.02 min

Lab File: VD061435.D

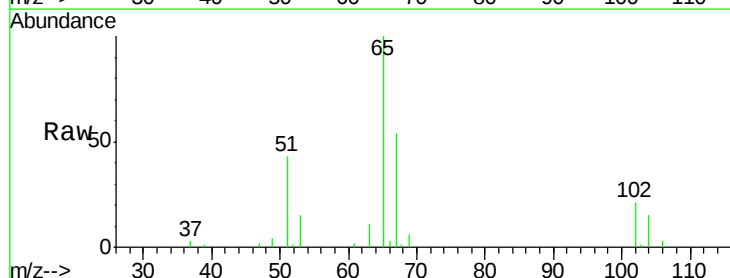
Acq: 29 Mar 2019 17:47

Tgt Ion: 65 Resp: 177613

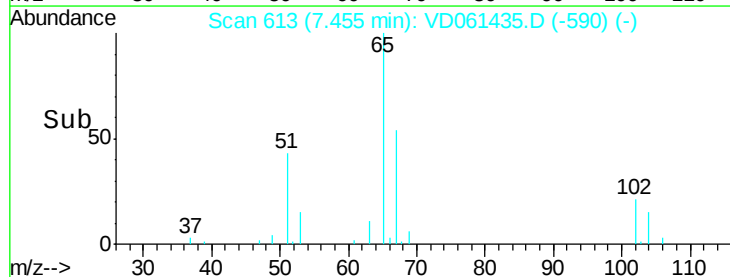
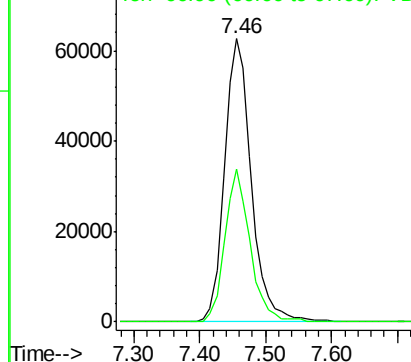
Ion Ratio Lower Upper

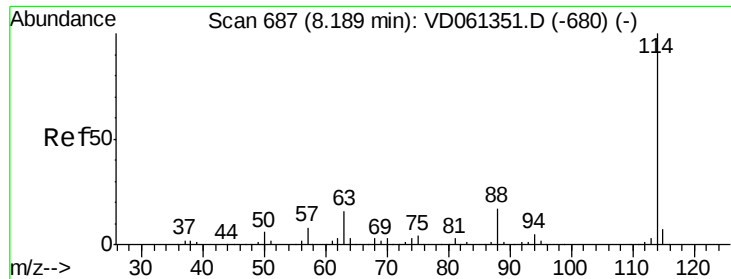
65 100

67 54.0 0.0 99.8



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

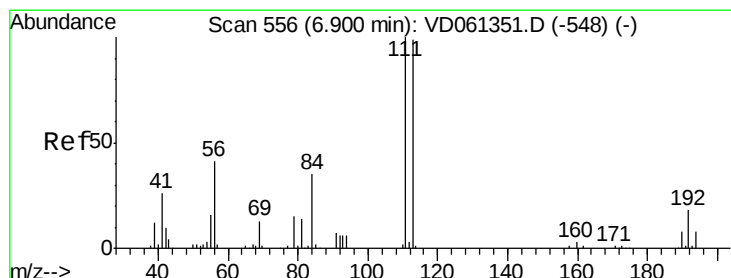
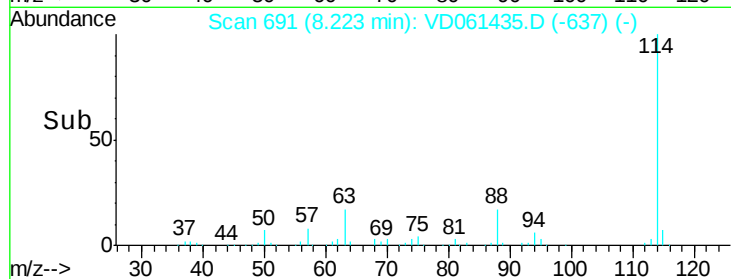
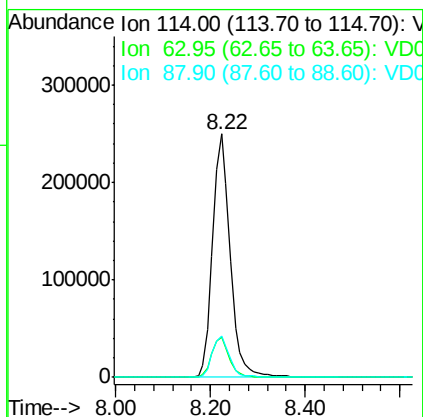
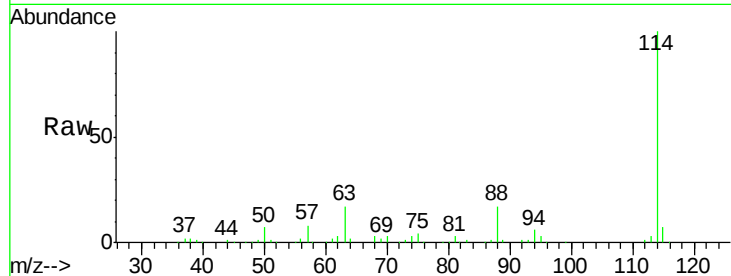




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061435.D
 Acq: 29 Mar 2019 17:47

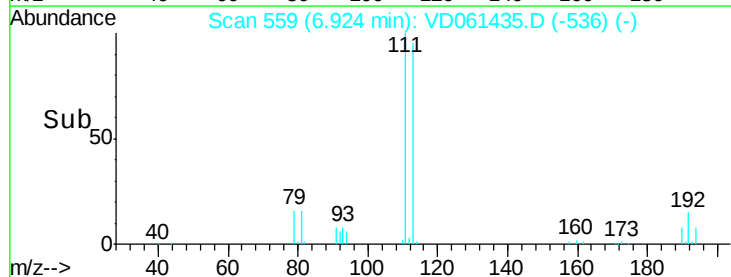
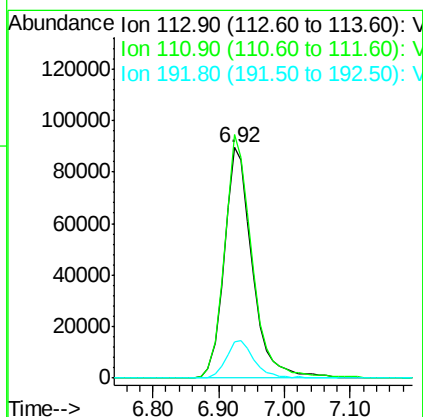
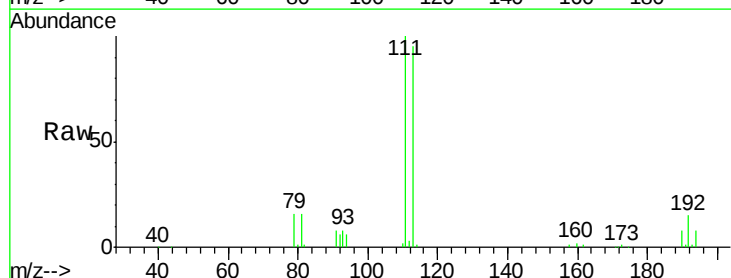
Instrument :
 MSVOA_D
 ClientSampleId :

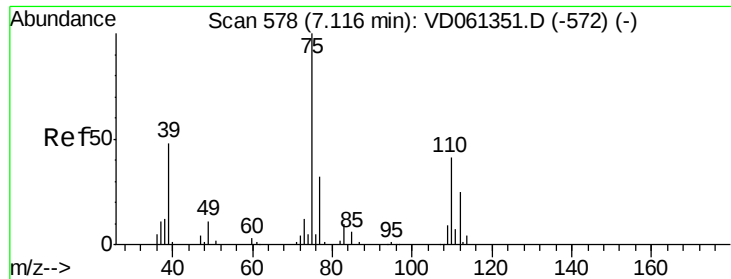
Tot Ion:114 Resp: 644796
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 31.6
 88 17.1 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061435.D
 Acq: 29 Mar 2019 17:47

Tgt Ion:113 Resp: 265778
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.0 121.6
 192 15.8 14.4 21.6





#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

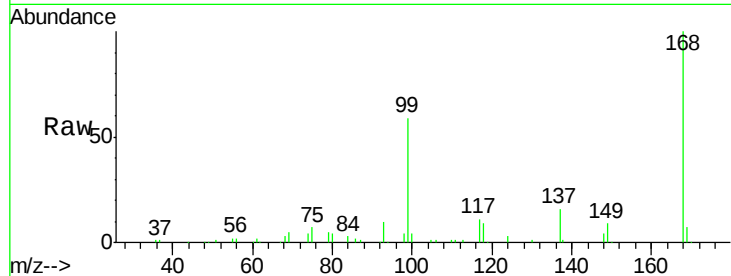
Tot Ion: 75 Resp: 28494

Ion Ratio Lower Upper

75 100

110 8.3 20.4 61.3#

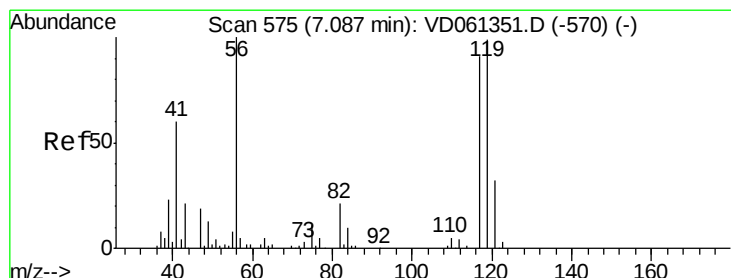
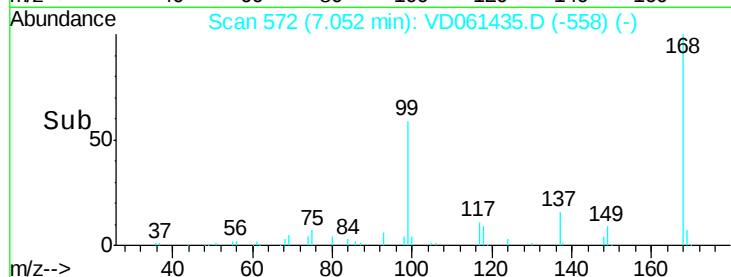
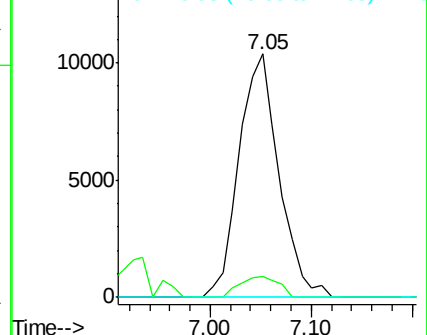
77 0.0 24.9 37.3#



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



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

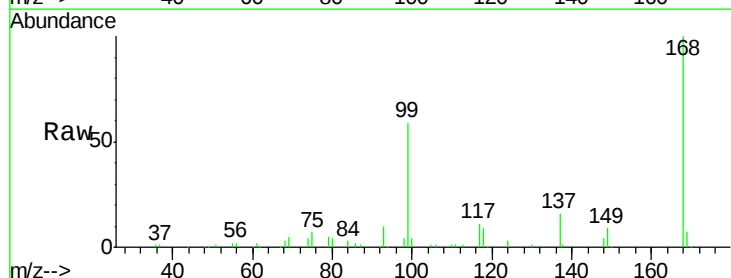
Tgt Ion: 117 Resp: 40094

Ion Ratio Lower Upper

117 100

119 4.2 80.1 120.1#

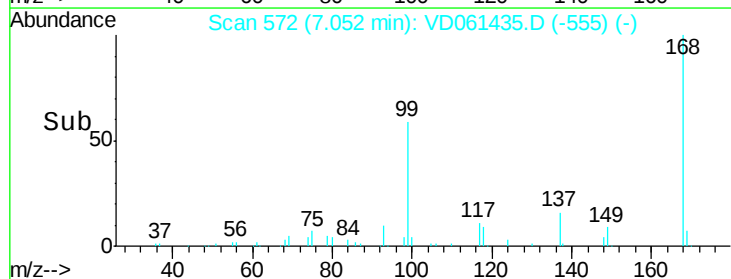
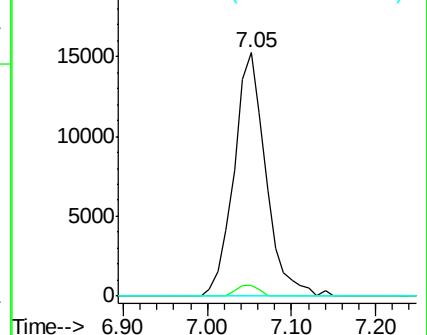
121 0.0 25.6 38.4#

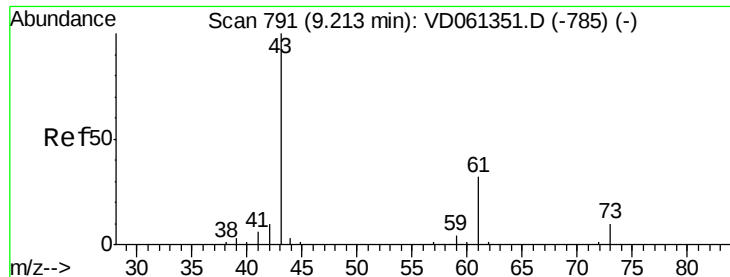


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

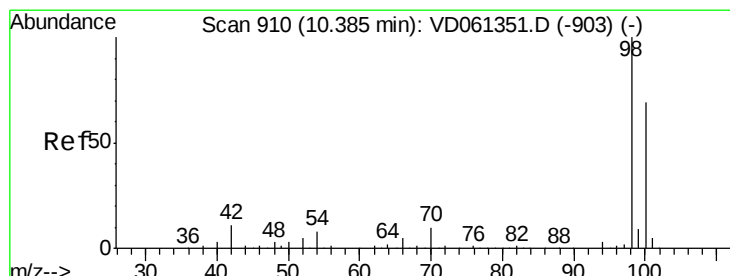
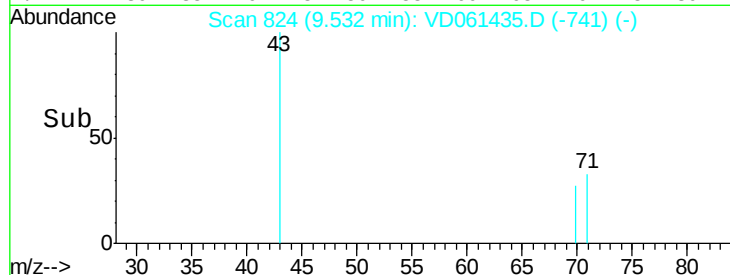
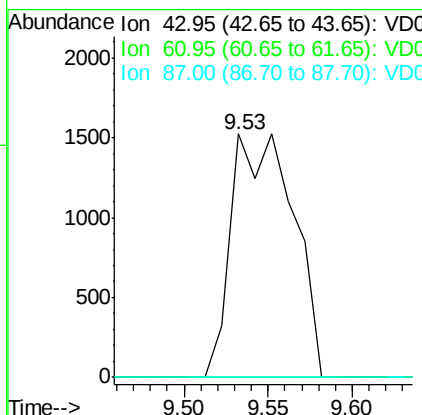
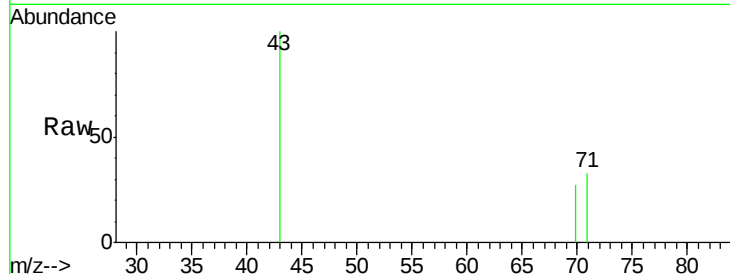




#43
Isopropyl Acetate
Concen: 1.107 ug/l
RT: 9.53 min Scan# 824
Delta R.T. 0.32 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

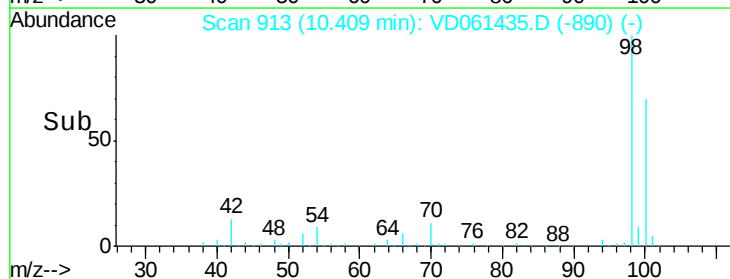
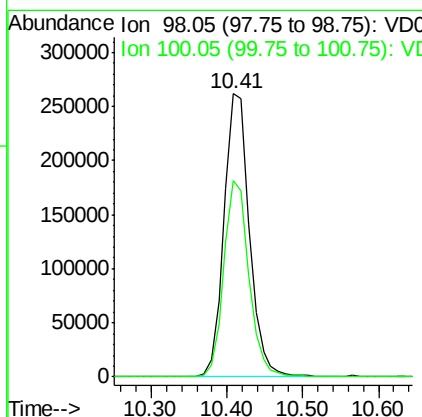
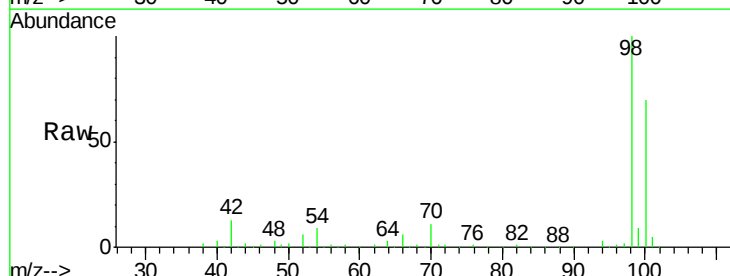
Instrument :
MSVOA_D
ClientSampleId :

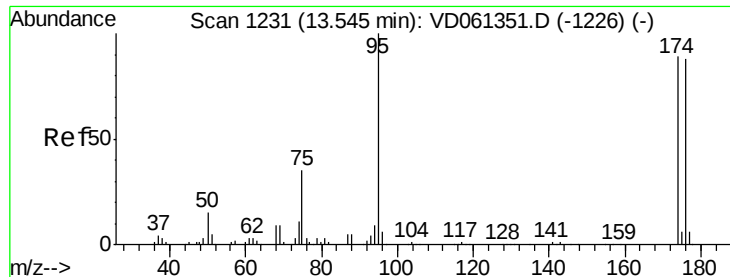
Tot Ion: 43 Resp: 3878
Ion Ratio Lower Upper
43 100
61 0.0 25.8 38.6#
87 0.0 0.0 0.0



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 98 Resp: 610604
Ion Ratio Lower Upper
98 100
100 69.5 56.2 84.2

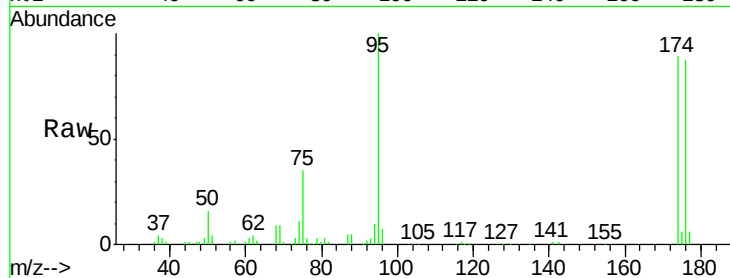




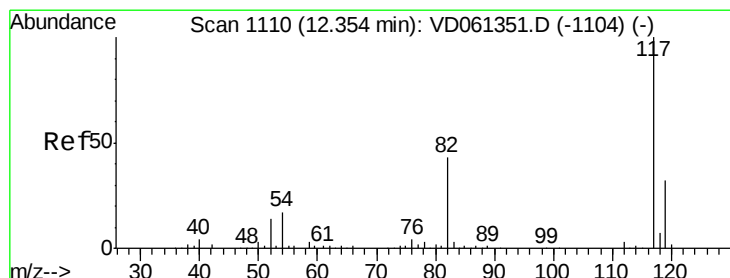
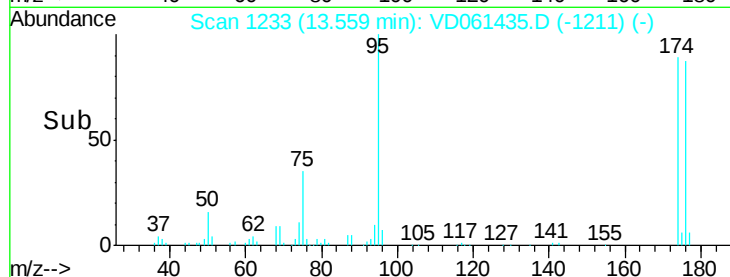
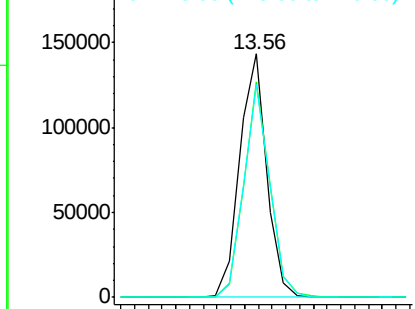
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 195903
Ion Ratio Lower Upper
95 100
174 88.6 0.0 178.0
176 87.4 0.0 175.0

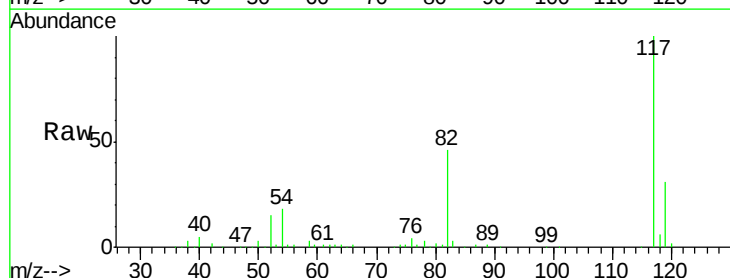


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

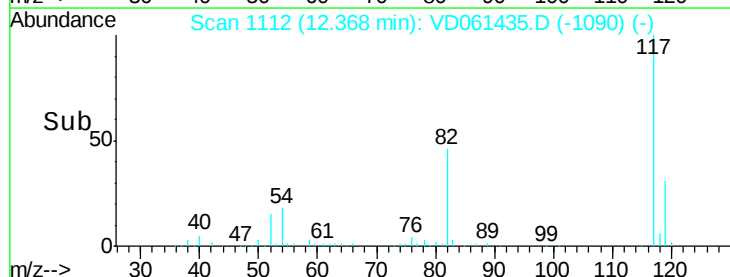
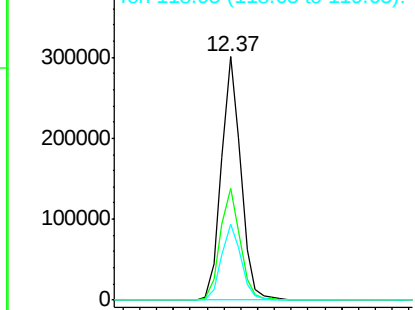


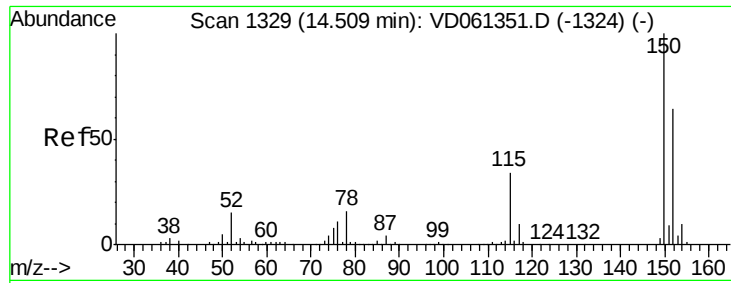
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061435.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 117 Resp: 482827
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 31.0 25.8 38.6



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

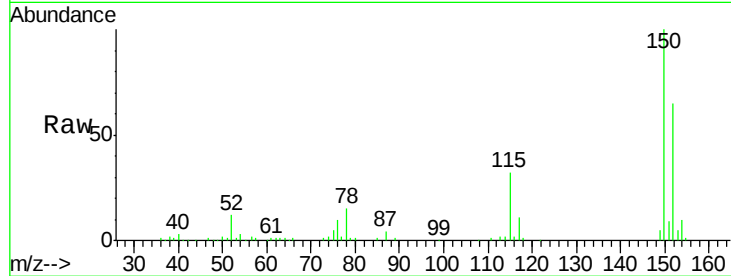
Tot Ion:152 Resp: 152113

Ion Ratio Lower Upper

152 100

115 50.3 26.9 80.6

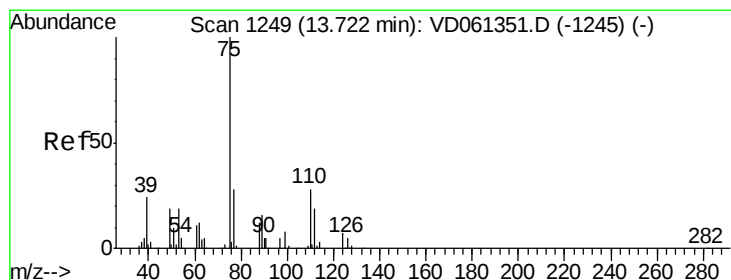
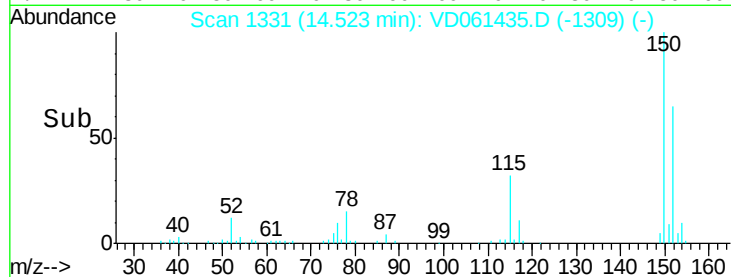
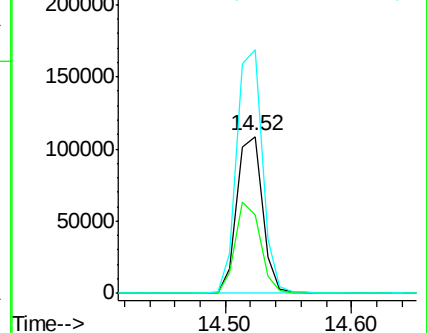
150 155.0 0.0 318.0



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



#76

1,2,3-Trichloropropane

Concen: 30.812 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061435.D

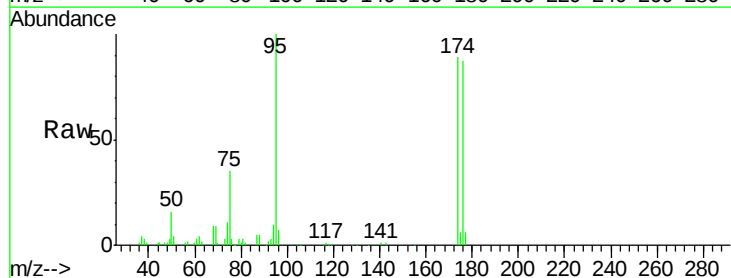
Acq: 29 Mar 2019 17:47

Tgt Ion: 75 Resp: 67704

Ion Ratio Lower Upper

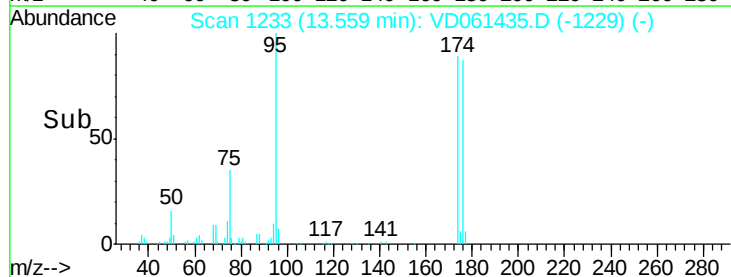
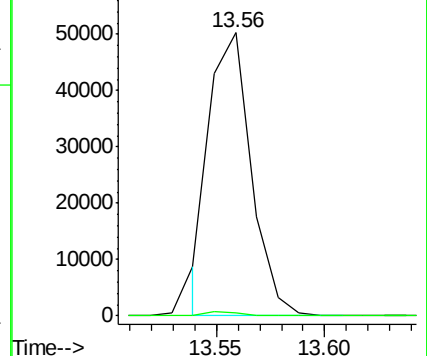
75 100

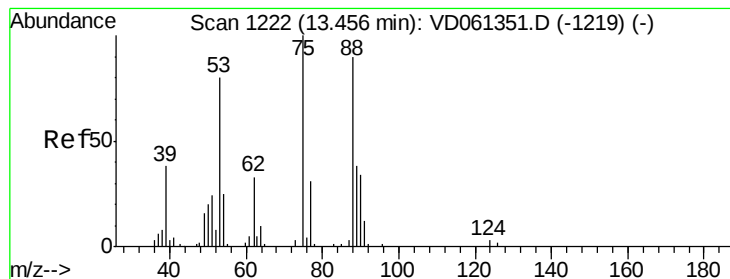
77 2.2 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 109.232 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061435.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

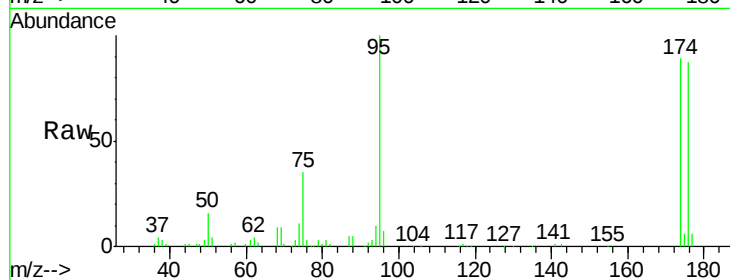
Tot Ion: 75 Resp: 73181

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

