

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061429.D
 Acq On : 29 Mar 2019 15:00
 Operator : VA/AP
 Sample : K2125-03
 Misc : 5.90µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:37:28 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	312946	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	503264	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	296324	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	55314	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	161241	60.31	ug/l	0.02
Spiked Amount			Recovery	=	120.62%	
35) Dibromofluoromethane	6.93	113	237534	61.76	ug/l	0.03
Spiked Amount			Recovery	=	123.52%	
50) Toluene-d8	10.41	98	430242	46.64	ug/l	0.02
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	13.56	95	77267	21.84	ug/l	0.01
Spiked Amount			Recovery	=	43.68%	

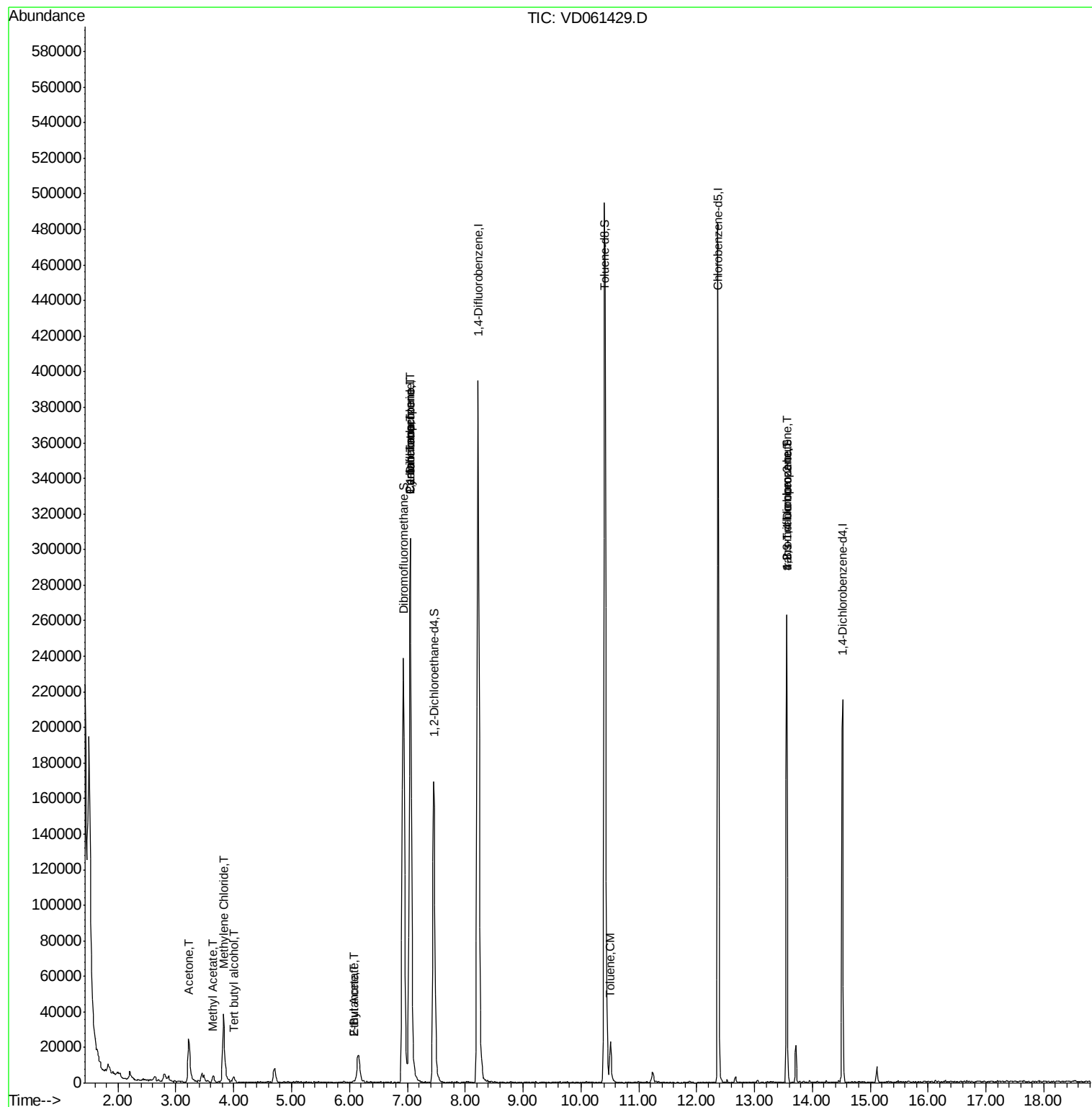
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	2566	15.413	ug/l #	76
16) Acetone	3.22	43	50039	72.814	ug/l	97
18) Methyl Acetate	3.65	43	7460	5.163	ug/l #	55
20) Methylene Chloride	3.82	84	28533	5.711	ug/l #	92
25) 2-Butanone	6.08	43	2939	3.400	ug/l #	54
31) Cyclohexane	7.04	56	5068	1.101	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	22956	5.226	ug/l #	45
37) Ethyl Acetate	6.08	43	2939	1.565	ug/l #	65
38) Carbon Tetrachloride	7.05	117	30174	5.978	ug/l #	14
52) Toluene	10.52	92	13667	2.032	ug/l	85
76) 1,2,3-Trichloropropane	13.56	75	28321	35.445	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	30007	123.170	ug/l #	18

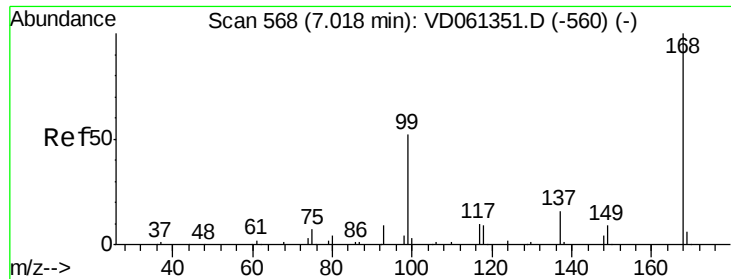
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

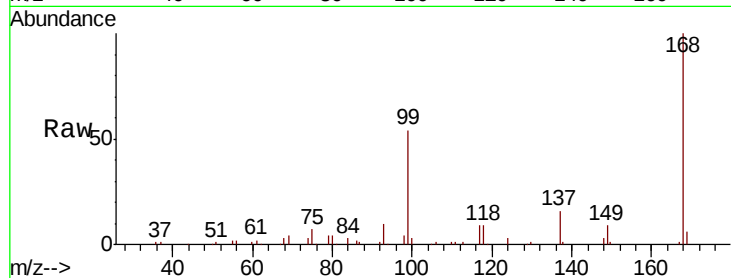
ClientSampled :

Tot Ion:168 Resp: 312946

Ion Ratio Lower Upper

168 100

99 54.5 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

120000

100000

80000

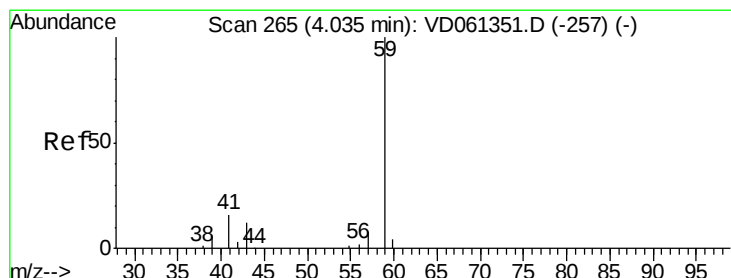
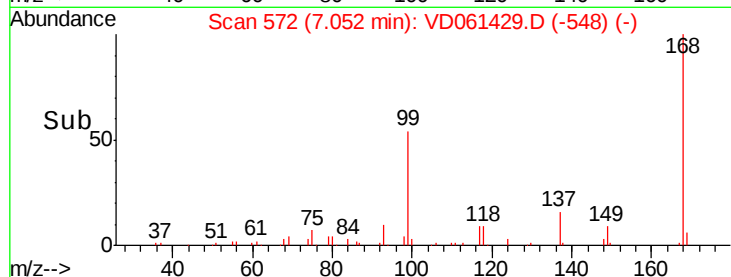
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 15.413 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.04 min

Lab File: VD061429.D

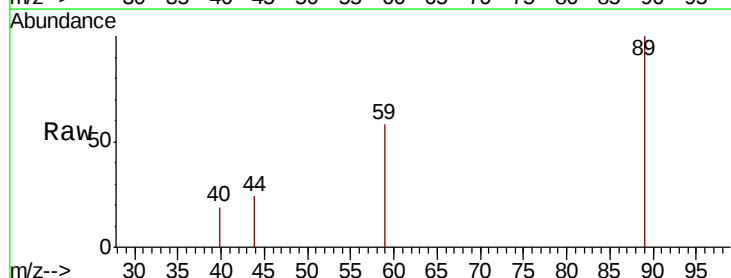
Acq: 29 Mar 2019 15:00

Tgt Ion: 59 Resp: 2566

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

1200

1000

800

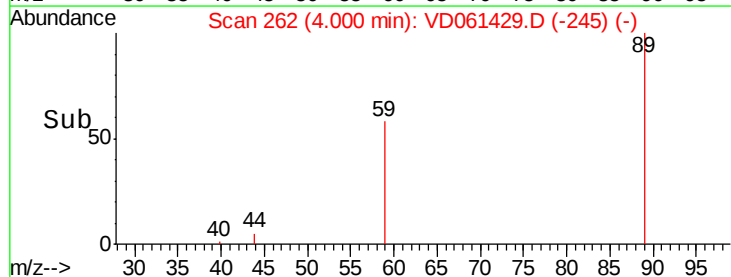
600

400

200

0

Time--> 3.95 4.00 4.05





#16

Acetone

Concen: 72.814 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

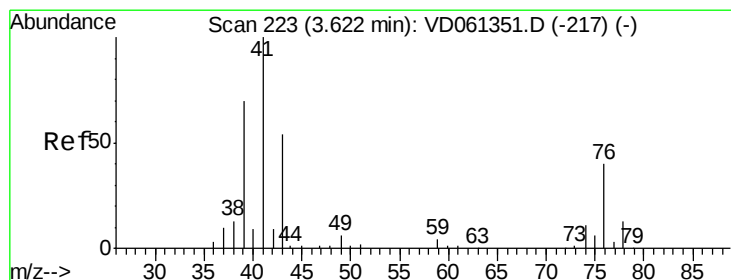
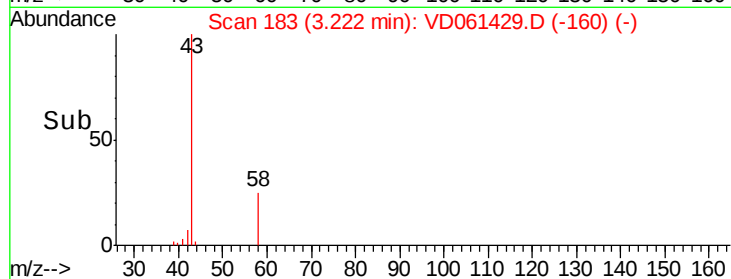
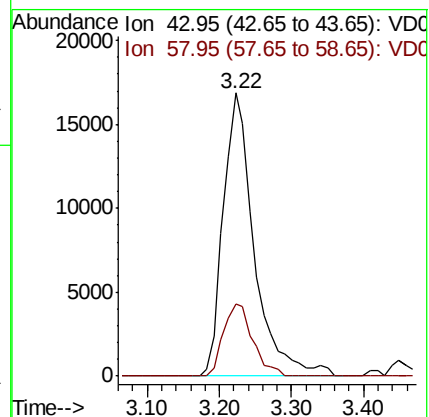
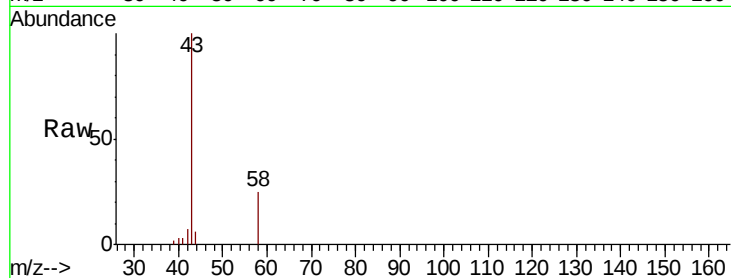
ClientSampleId :

Tot Ion: 43 Resp: 50039

Ion Ratio Lower Upper

43 100

58 25.5 21.5 32.3



#18

Methyl Acetate

Concen: 5.163 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061429.D

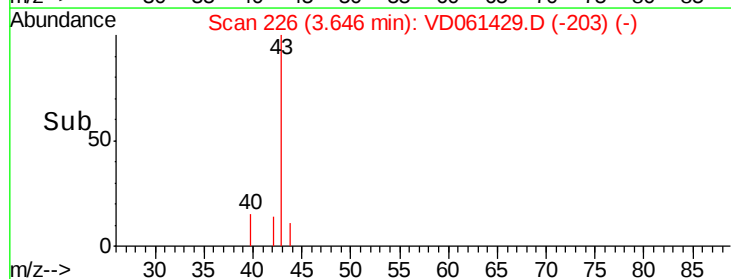
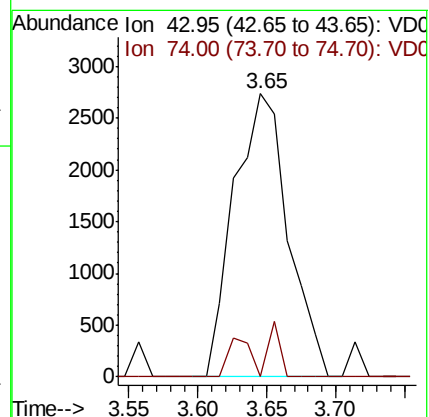
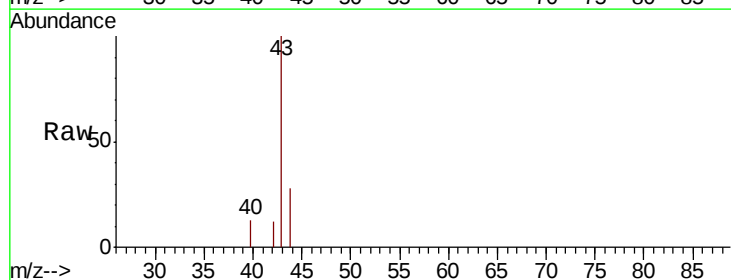
Acq: 29 Mar 2019 15:00

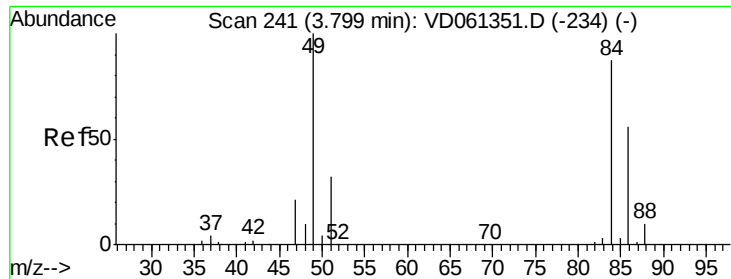
Tgt Ion: 43 Resp: 7460

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

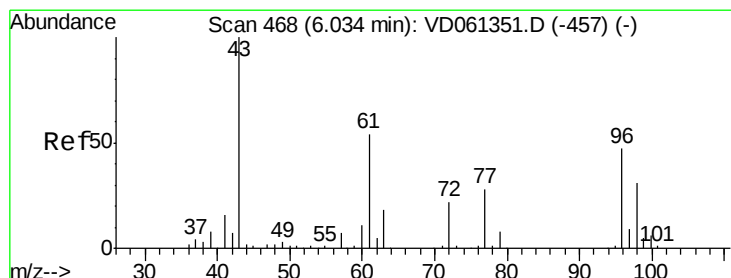
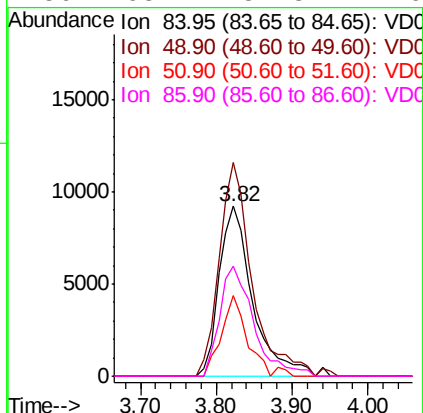
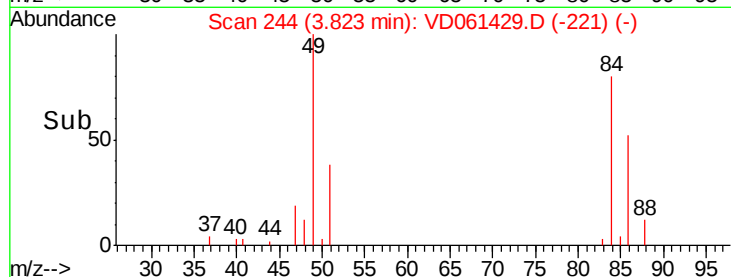
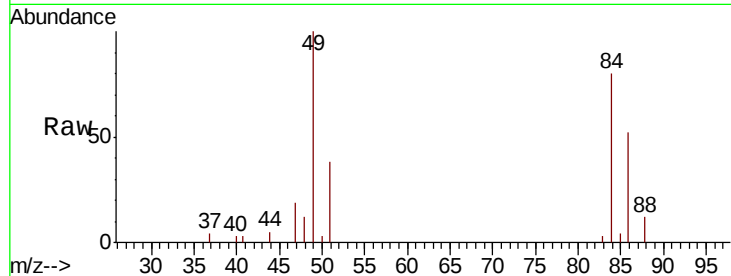




#20
Methvlene Chloride
Concen: 5.711 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

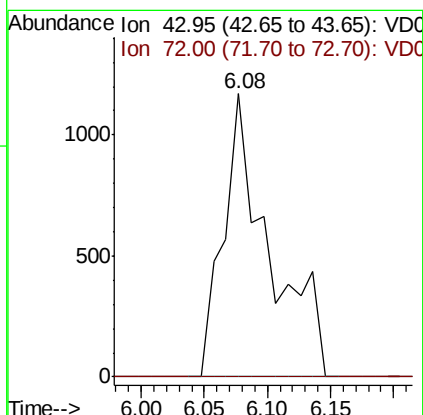
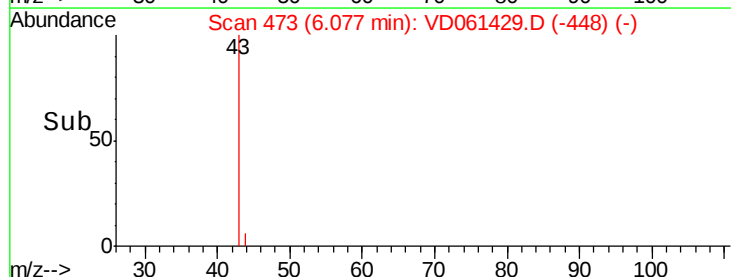
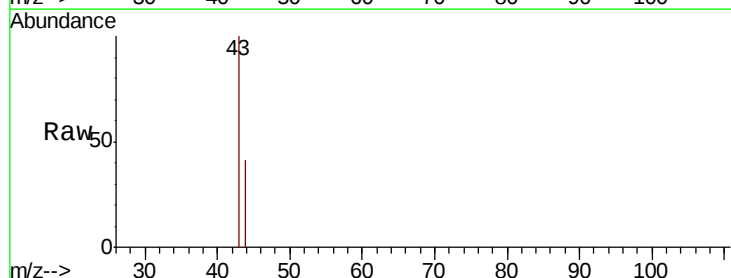
Instrument :
MSVOA_D
ClientSampleId :

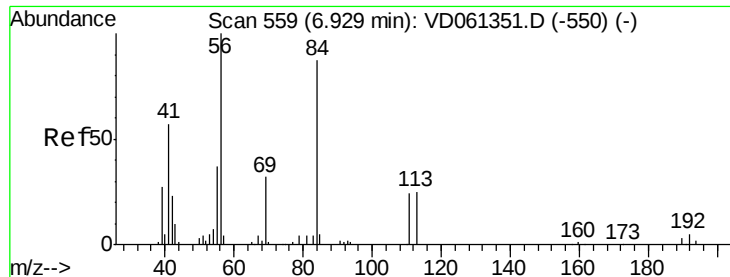
Tot Ion: 84 Resp: 28533
Ion Ratio Lower Upper
84 100
49 125.7 91.8 137.8
51 47.2 29.8 44.8#
86 65.1 51.8 77.6



#25
2-Butanone
Concen: 3.400 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.04 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Tgt Ion: 43 Resp: 2939
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#

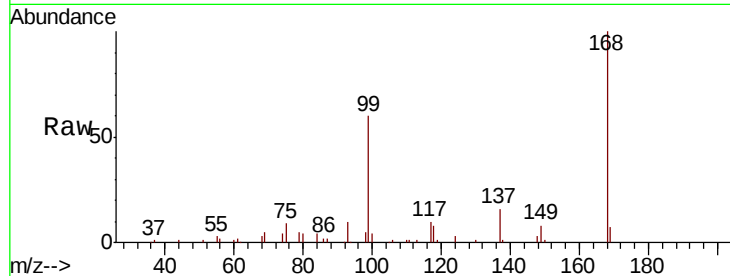




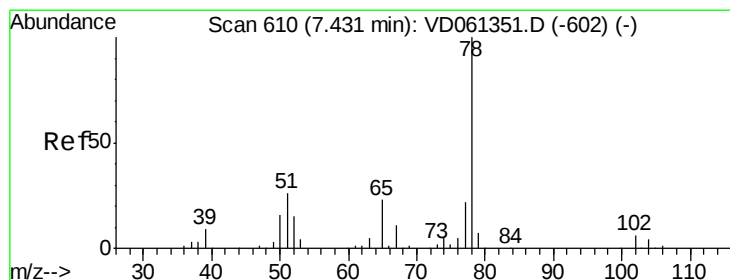
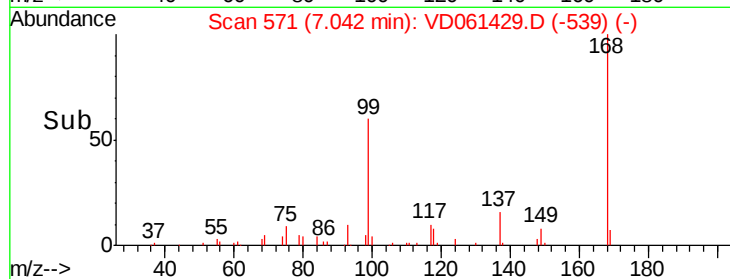
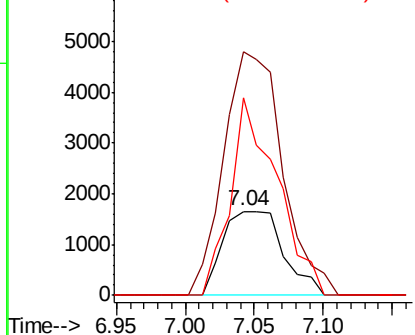
#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5068
Ion Ratio Lower Upper
56 100
69 289.6 25.7 38.5#
84 235.4 70.6 105.8#

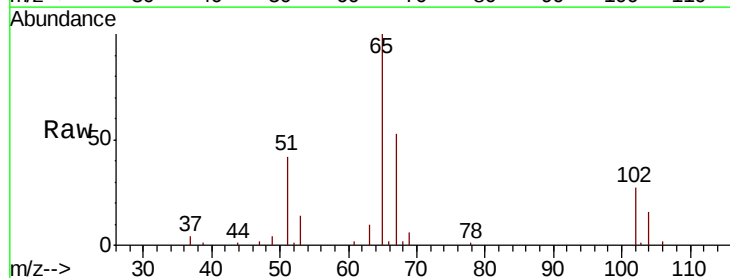


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

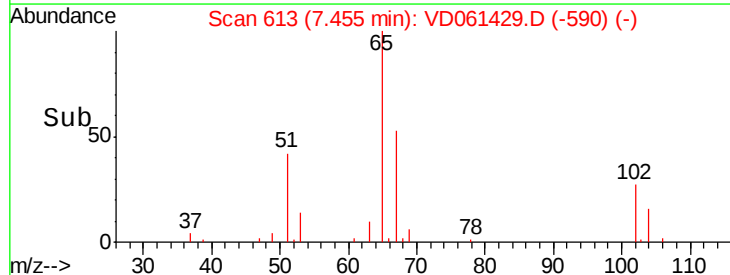
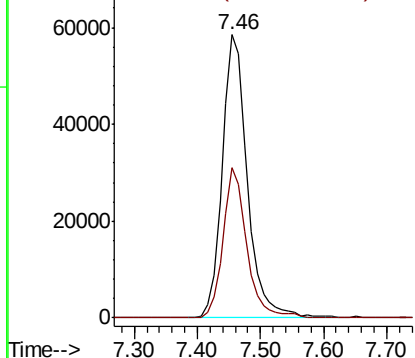


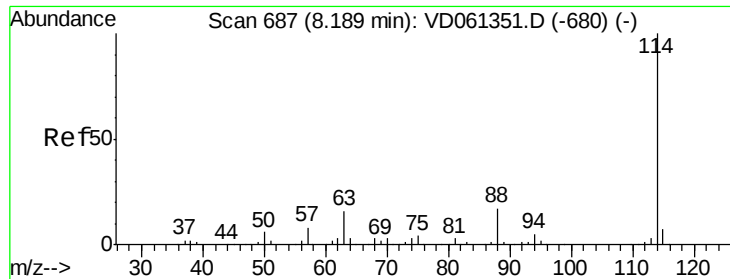
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Tgt Ion: 65 Resp: 161241
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.8



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

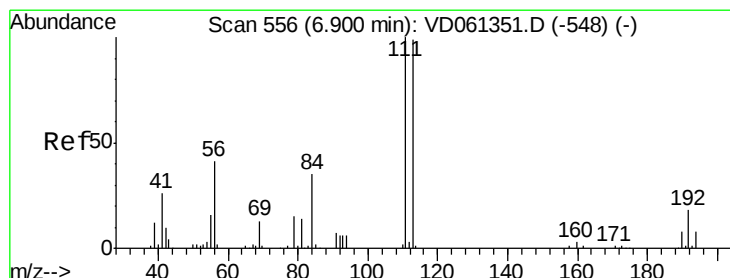
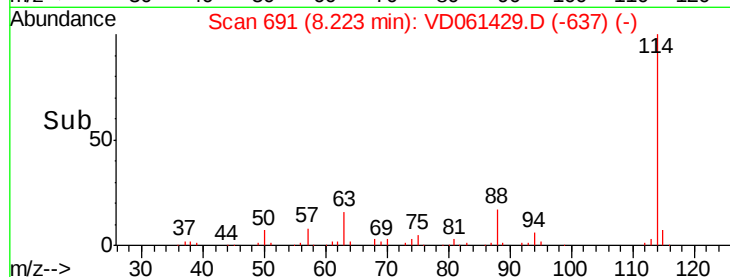
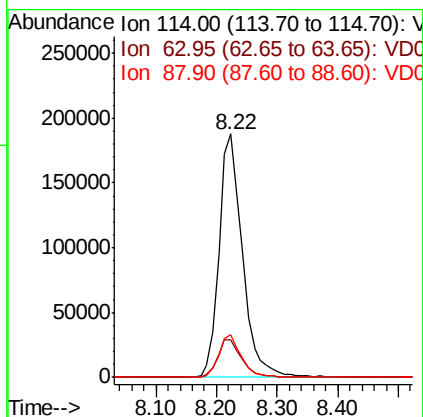
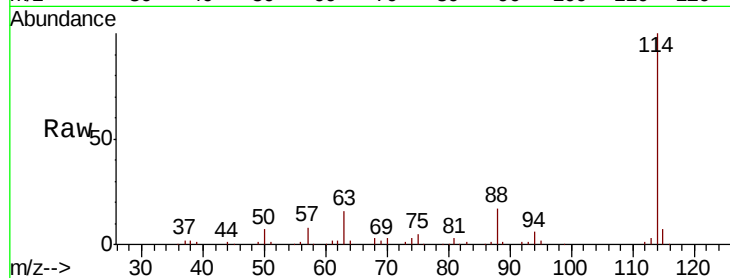




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 691
Delta R.T. 0.03 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

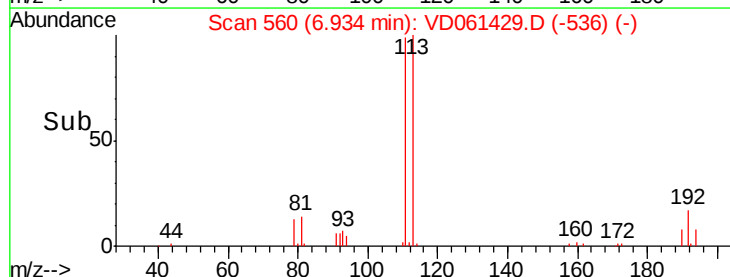
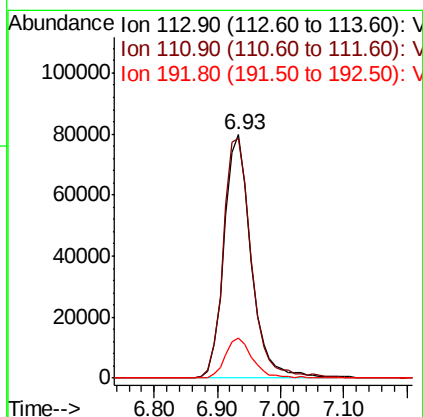
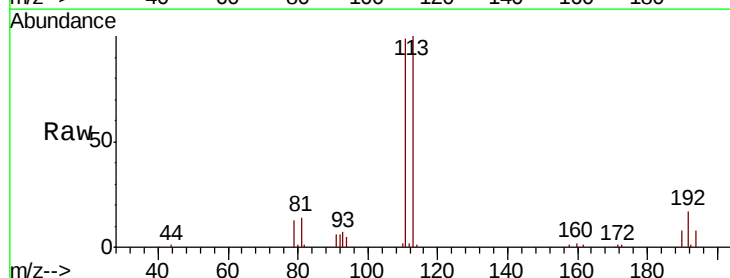
Instrument :
MSVOA_D
ClientSampleId :

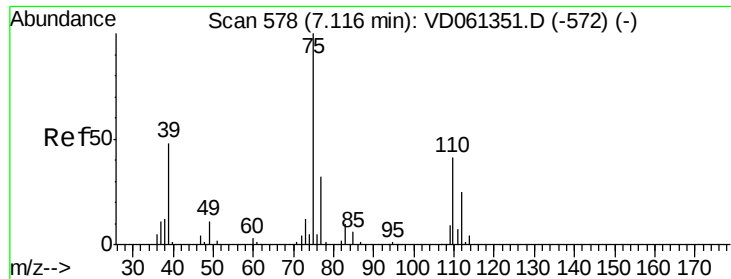
Tot Ion:114 Resp: 503264
Ion Ratio Lower Upper
114 100
63 15.7 0.0 31.6
88 17.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.03 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Tgt Ion:113 Resp: 237534
Ion Ratio Lower Upper
113 100
111 98.7 81.0 121.6
192 16.7 14.4 21.6





#36

1,1-Dichloropropene

Concen: 5.226 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

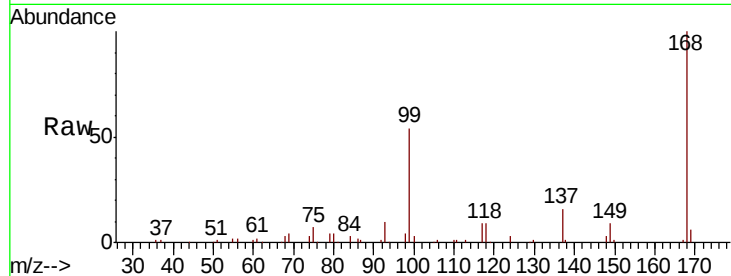
Tot Ion: 75 Resp: 22956

Ion Ratio Lower Upper

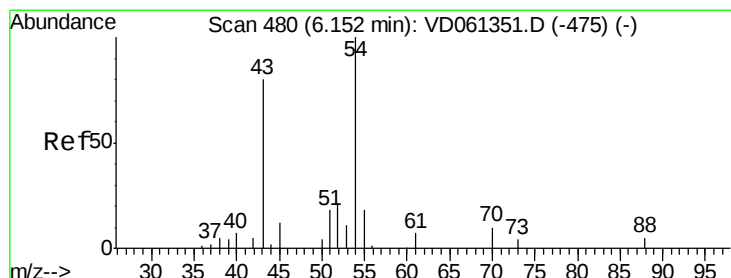
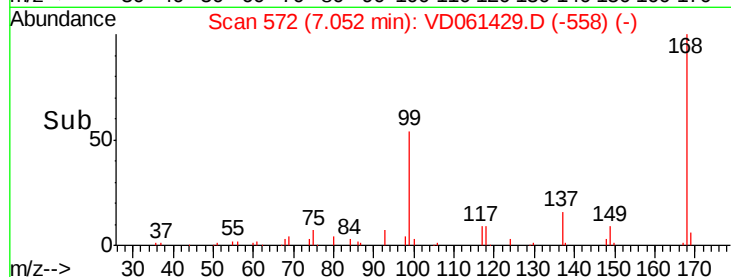
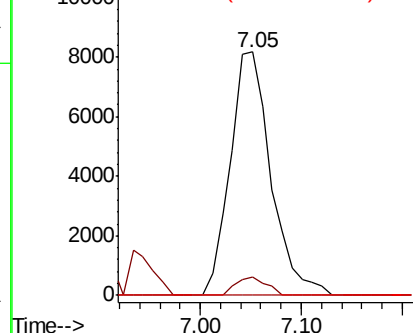
75 100

110 7.7 20.4 61.3#

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.565 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.07 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

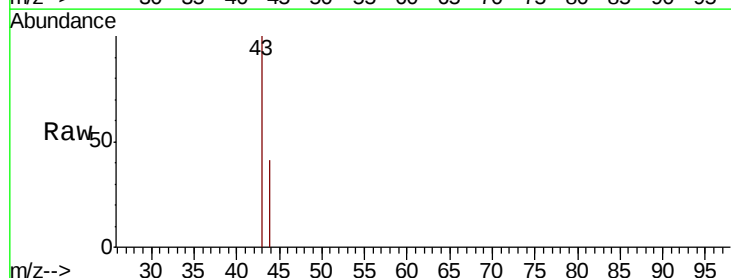
Tgt Ion: 43 Resp: 2939

Ion Ratio Lower Upper

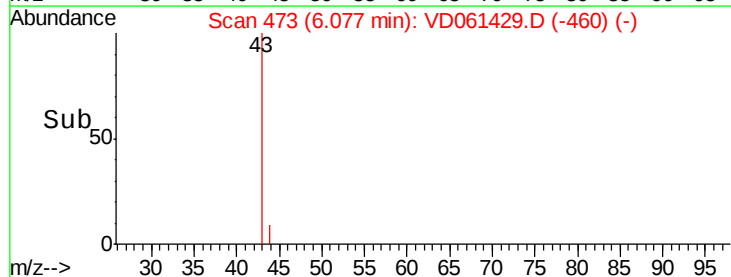
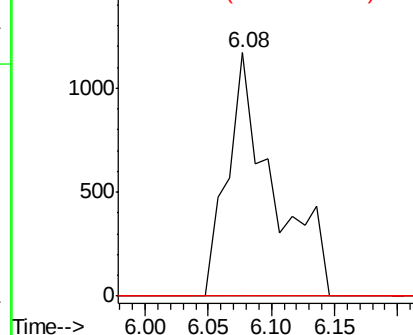
43 100

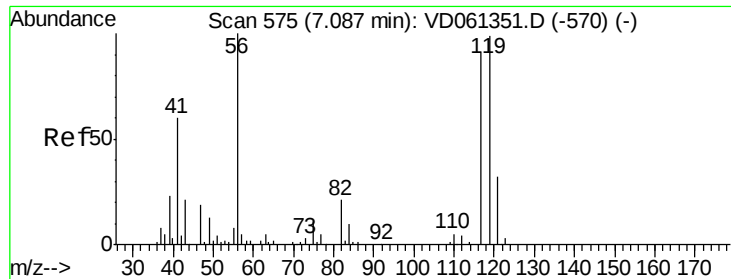
61 0.0 13.8 20.8#

70 0.0 7.8 11.8#



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

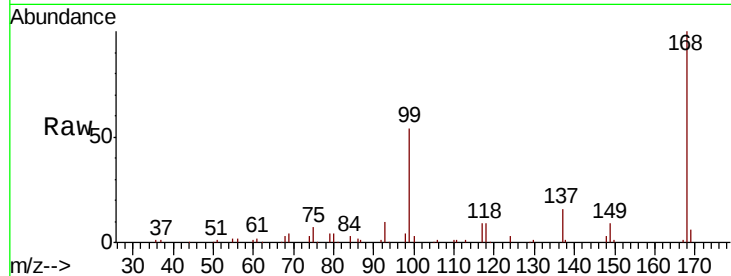




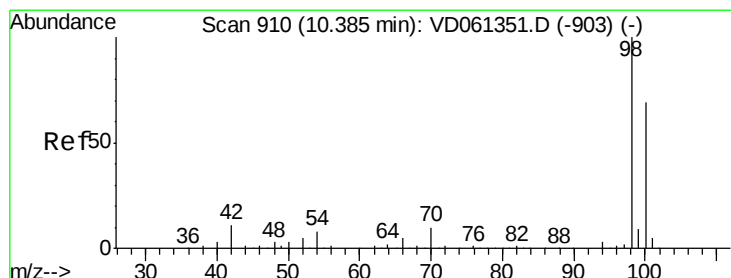
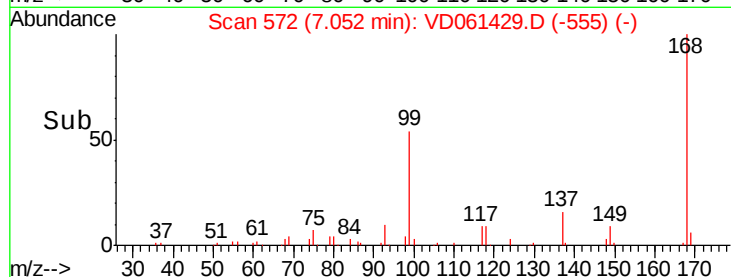
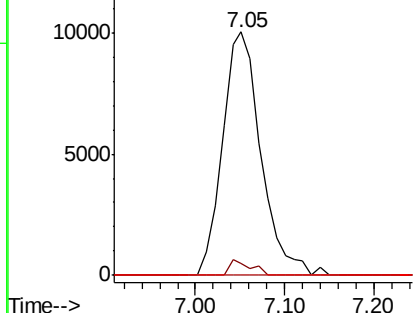
#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 30174
Ion Ratio Lower Upper
117 100
119 4.8 80.1 120.1#
121 0.0 25.6 38.4#

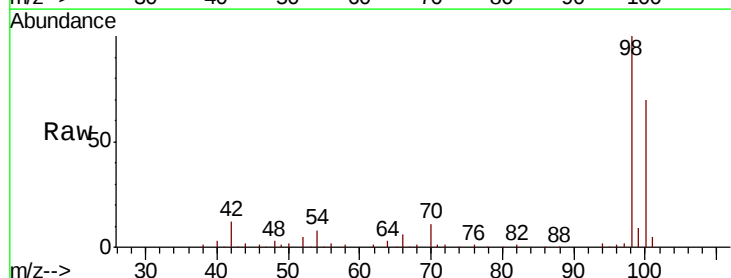


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

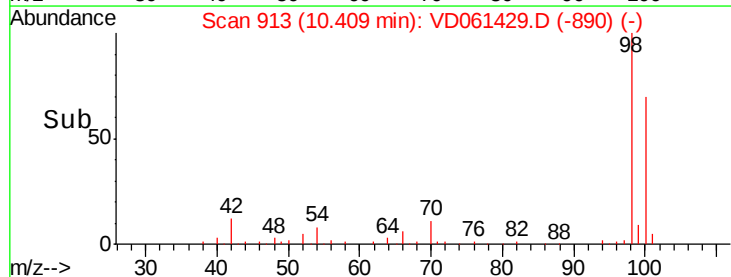
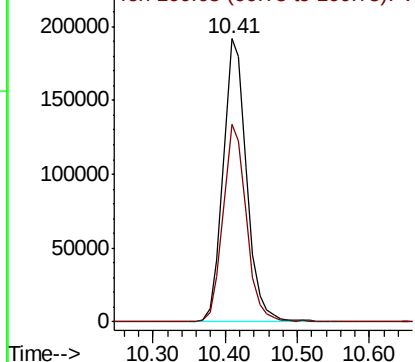


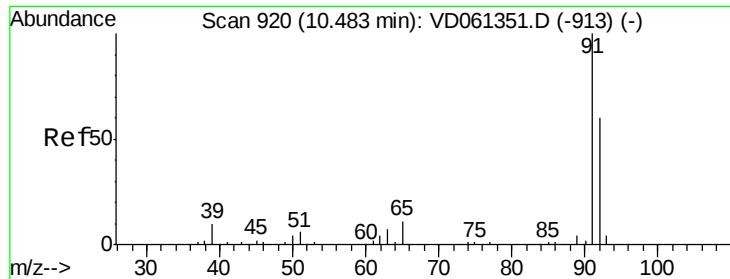
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061429.D
Acq: 29 Mar 2019 15:00

Tgt Ion: 98 Resp: 430242
Ion Ratio Lower Upper
98 100
100 69.9 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.032 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

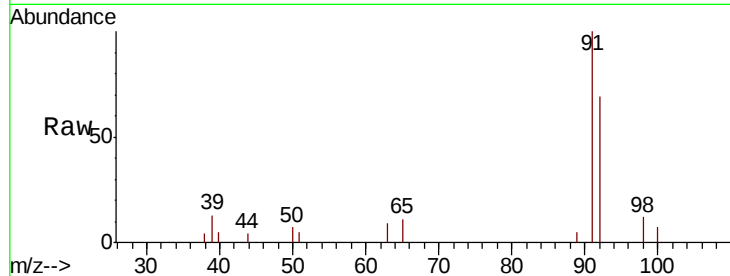
ClientSampled :

Tot Ion: 92 Resp: 13667

Ion Ratio Lower Upper

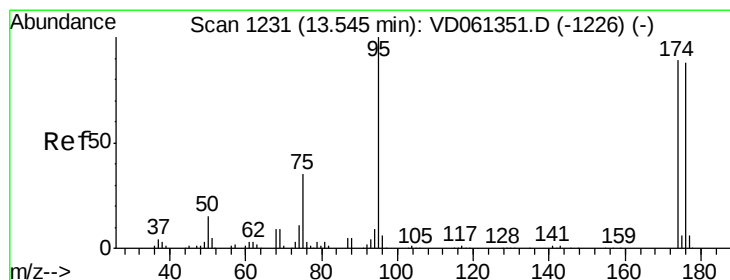
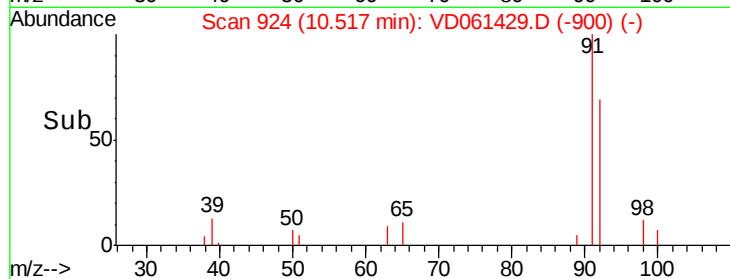
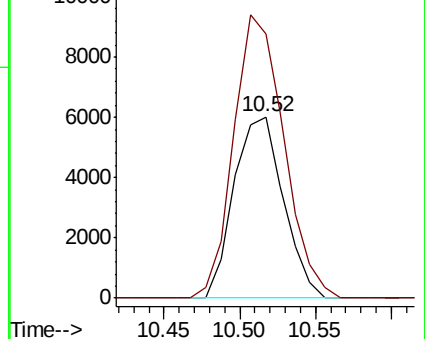
92 100

91 145.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

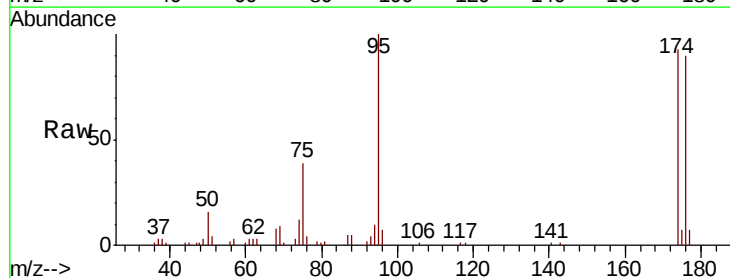
Tgt Ion: 95 Resp: 77267

Ion Ratio Lower Upper

95 100

174 93.3 0.0 178.0

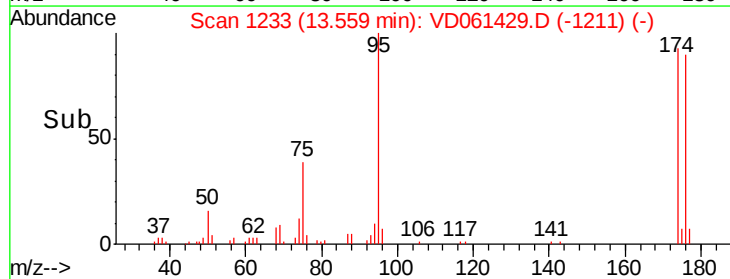
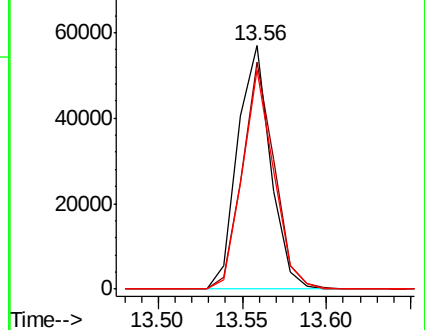
176 89.9 0.0 175.0

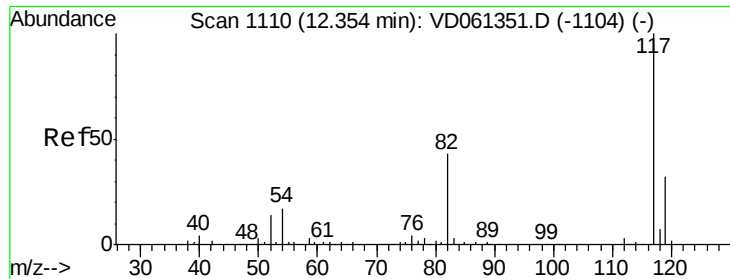


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

ClientSampled :

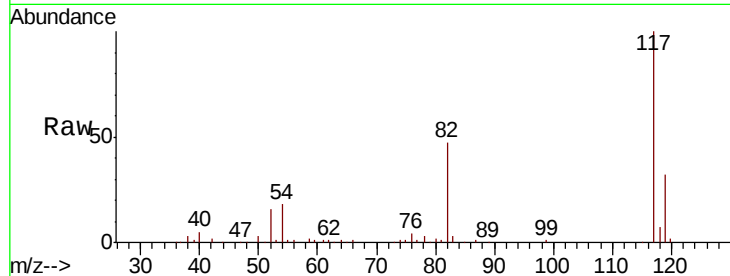
Tot Ion:117 Resp: 296324

Ion Ratio Lower Upper

117 100

82 46.6 34.4 51.6

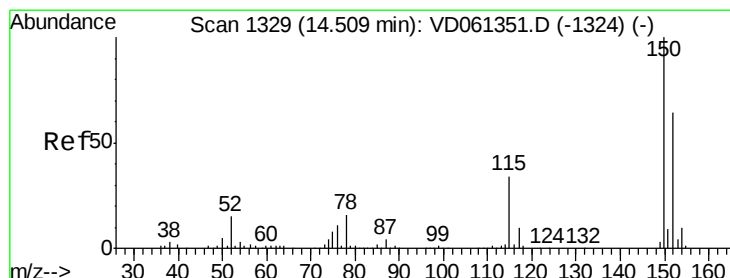
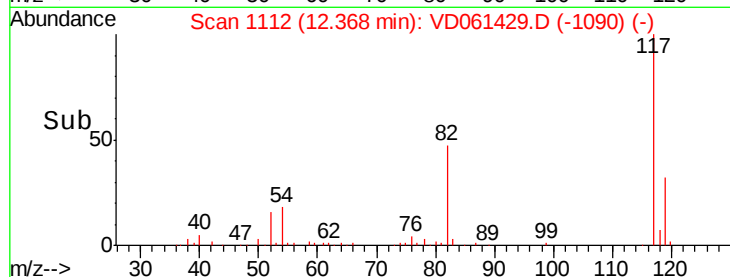
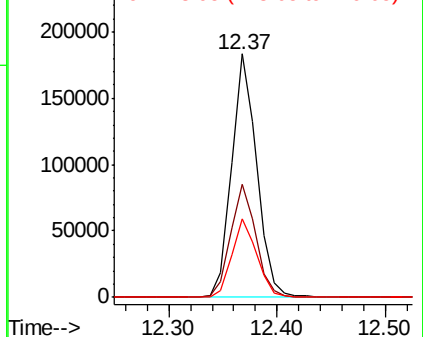
119 32.2 25.8 38.6



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: VD061429.D

Acq: 29 Mar 2019 15:00

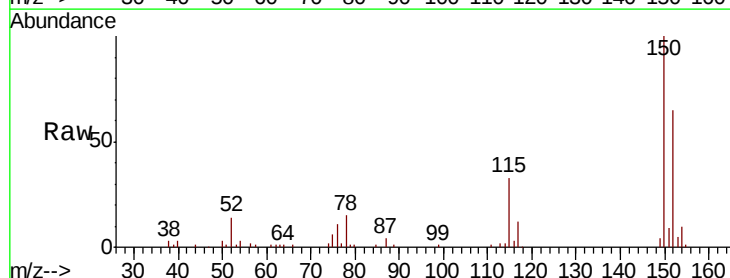
Tgt Ion:152 Resp: 55314

Ion Ratio Lower Upper

152 100

115 50.9 26.9 80.6

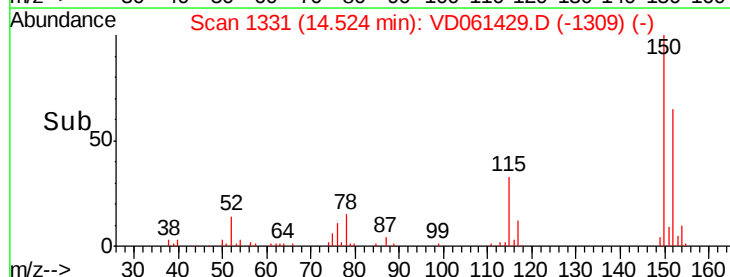
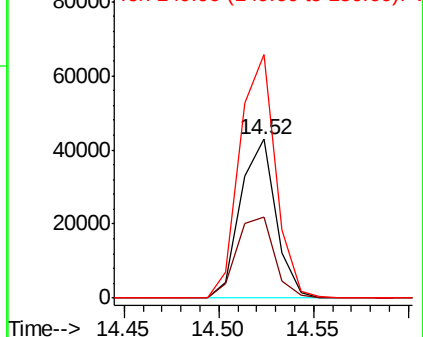
150 153.4 0.0 318.0

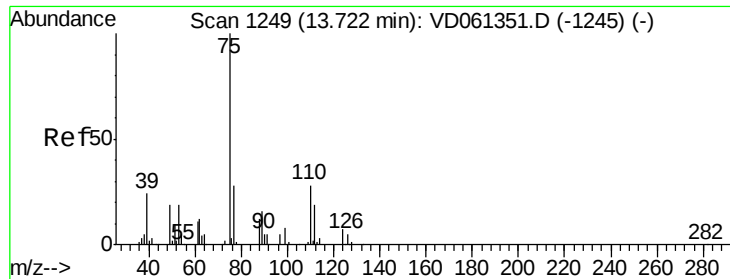


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.445 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

Instrument :

MSVOA_D

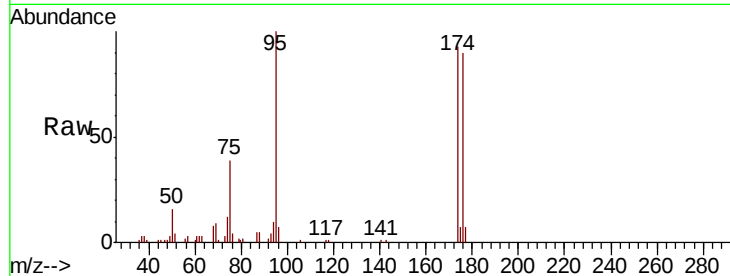
ClientSampleId :

Tot Ion: 75 Resp: 28321

Ion Ratio Lower Upper

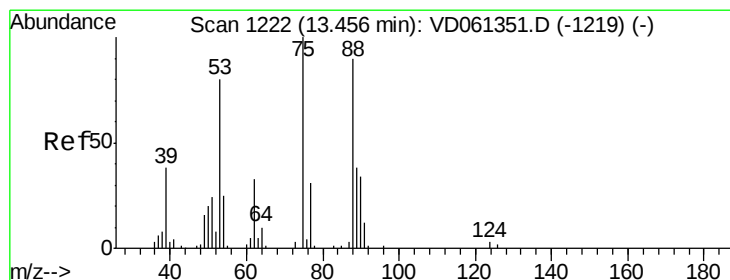
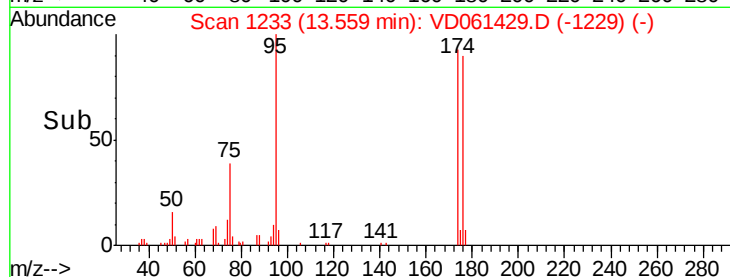
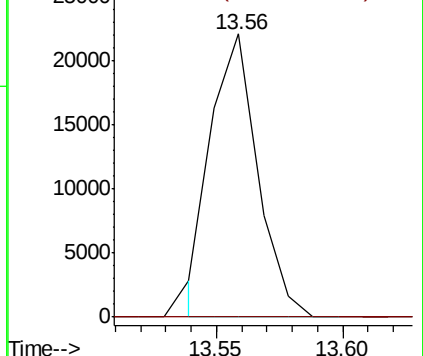
75 100

77 0.0 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: 123.170 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061429.D

Acq: 29 Mar 2019 15:00

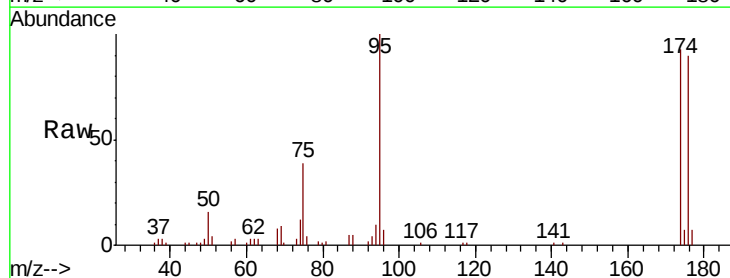
Tgt Ion: 75 Resp: 30007

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

