

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061528.D
 Acq On : 2 Apr 2019 21:39
 Operator : VA/AP
 Sample : K2186-19
 Misc : 3.67g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:55:56 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	7.04	168	310828	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	611630	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	317395	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	75566	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	205120	77.25	ug/l	0.02
Spiked Amount						
			Recovery	=	154.50%	
35) Dibromofluoromethane	6.92	113	272477	58.30	ug/l	0.03
Spiked Amount						
			Recovery	=	116.60%	
50) Toluene-d8	10.41	98	429294	38.29	ug/l	0.03
Spiked Amount						
			Recovery	=	76.58%	
62) 4-Bromofluorobenzene	13.55	95	102844	23.92	ug/l	0.00
Spiked Amount						
			Recovery	=	47.84%	

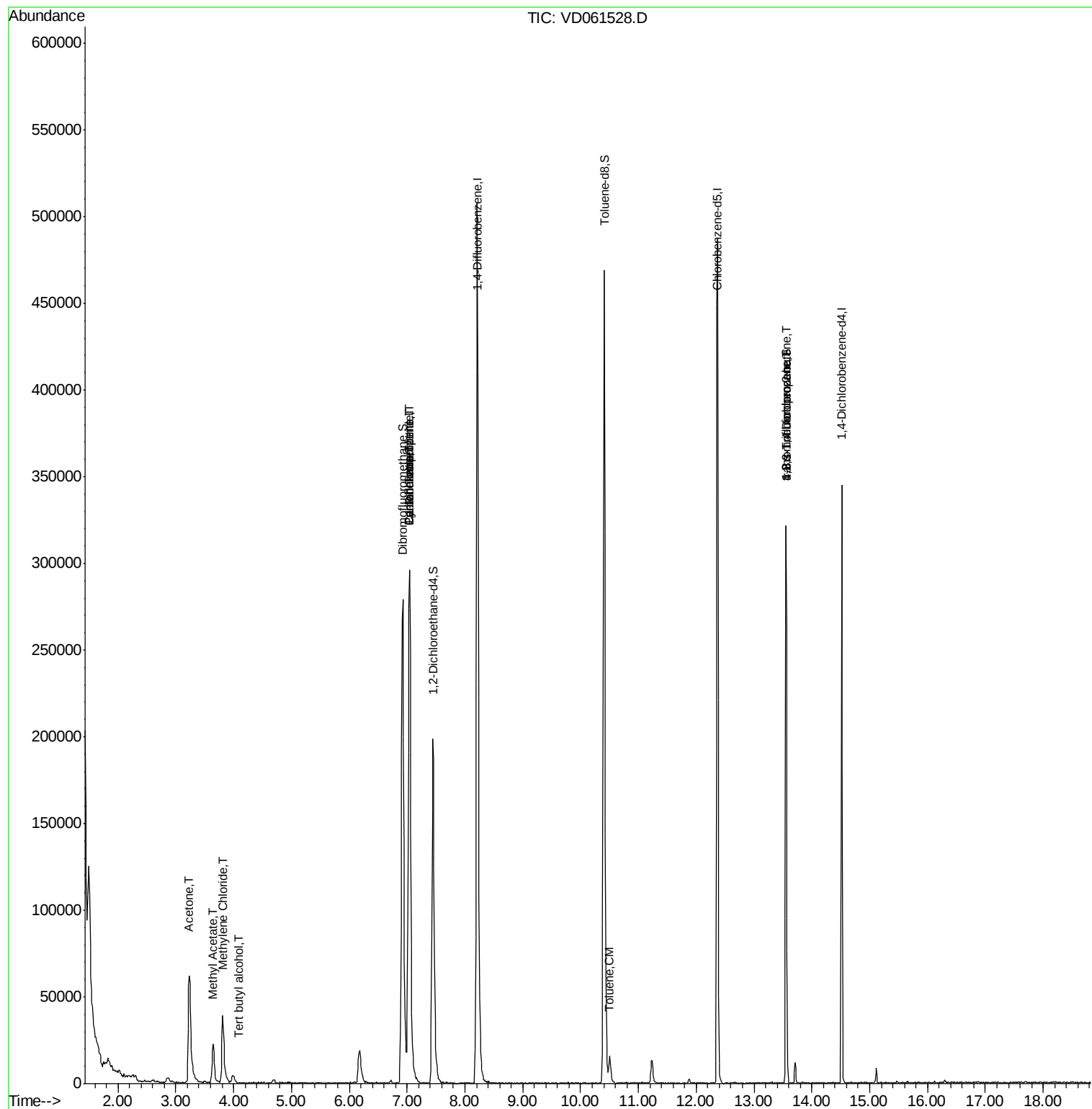
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	204	1.234	ug/l #	76
16) Acetone	3.23	43	144360	211.496	ug/l	99
18) Methyl Acetate	3.65	43	44860	31.258	ug/l	98
20) Methylene Chloride	3.81	84	31837	6.662	ug/l	94
31) Cyclohexane	7.03	56	5506	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	22742	4.260	ug/l #	47
38) Carbon Tetrachloride	7.04	117	29704	4.842	ug/l #	13
52) Toluene	10.50	92	9213	1.127	ug/l	85
76) 1,2,3-Trichloropropane	13.55	75	31821	29.152	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	38171	114.689	ug/l #	18

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

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

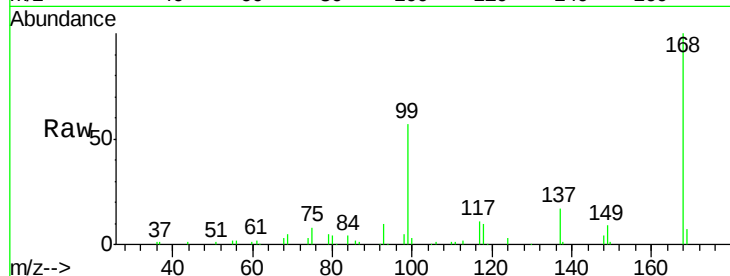
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 310828

Ion Ratio Lower Upper

168 100

99 57.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

100000

80000

60000

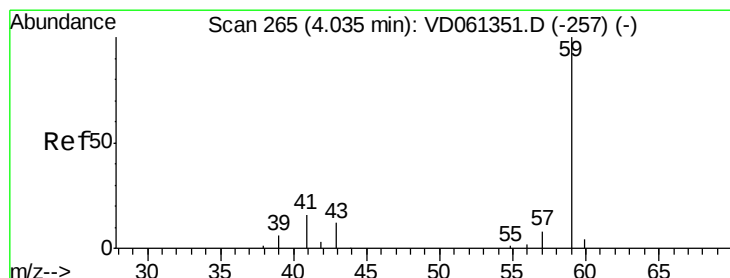
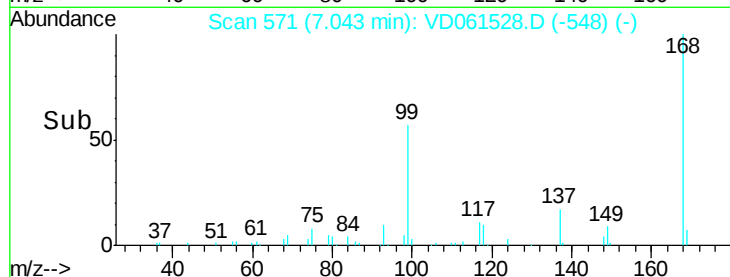
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.234 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.04 min

Lab File: VD061528.D

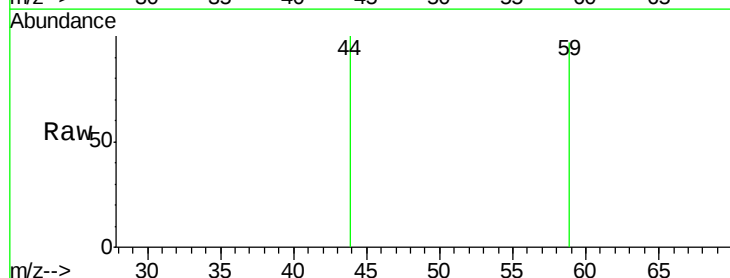
Acq: 2 Apr 2019 21:39

Tgt Ion: 59 Resp: 204

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

4.08

400

300

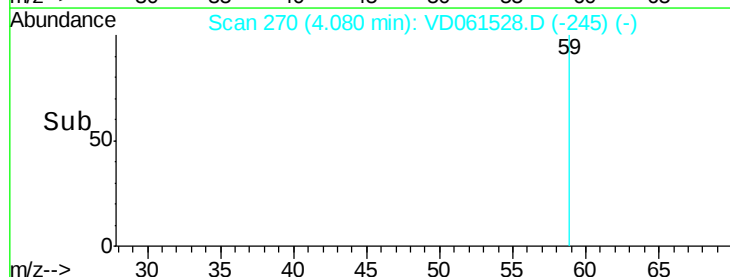
200

100

0

Time-->

4.06 4.08 4.10





#16

Acetone

Concen: 211.496 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

Instrument :

MSVOA_D

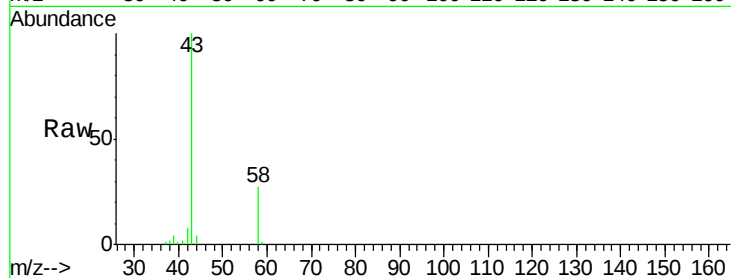
ClientSampleId :

Tot Ion: 43 Resp: 144360

Ion Ratio Lower Upper

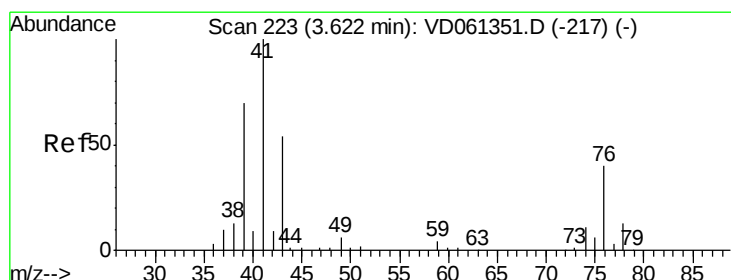
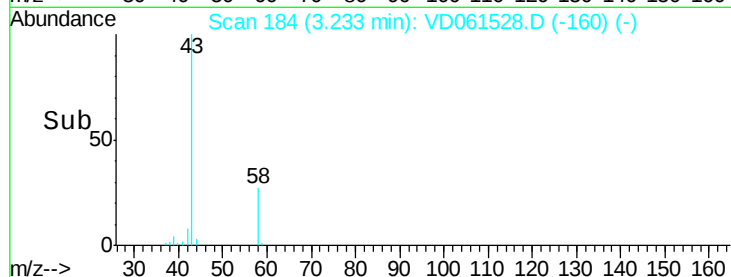
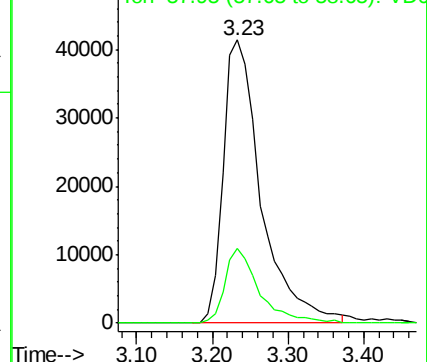
43 100

58 26.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 31.258 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061528.D

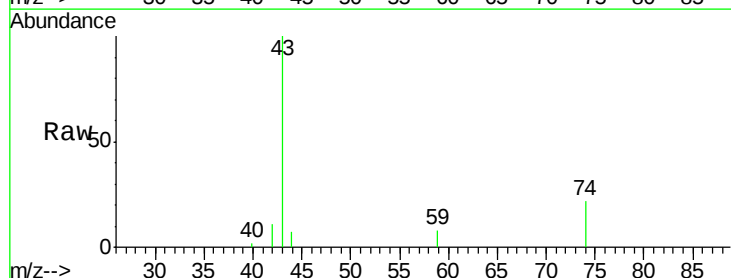
Acq: 2 Apr 2019 21:39

Tgt Ion: 43 Resp: 44860

Ion Ratio Lower Upper

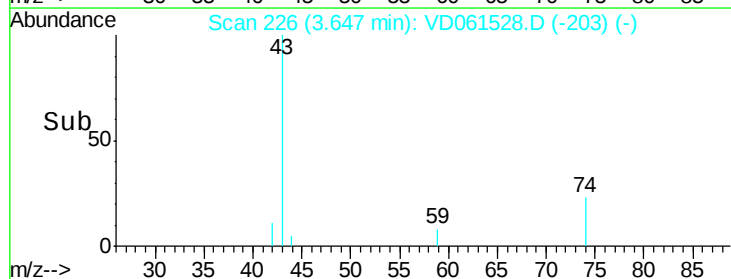
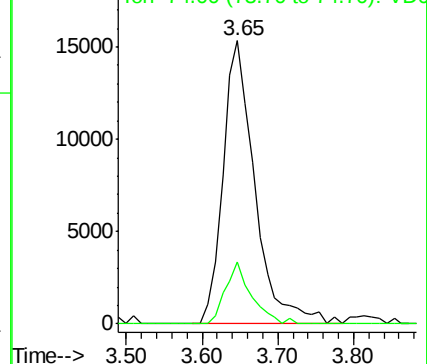
43 100

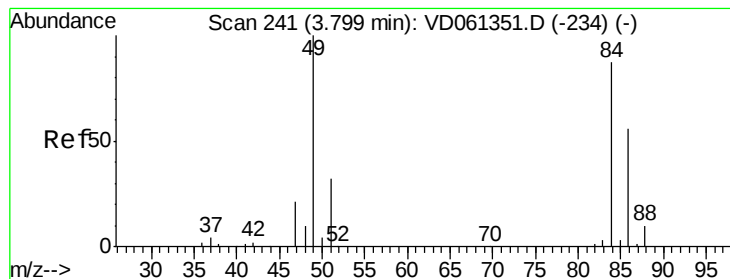
74 21.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 6.662 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 31837

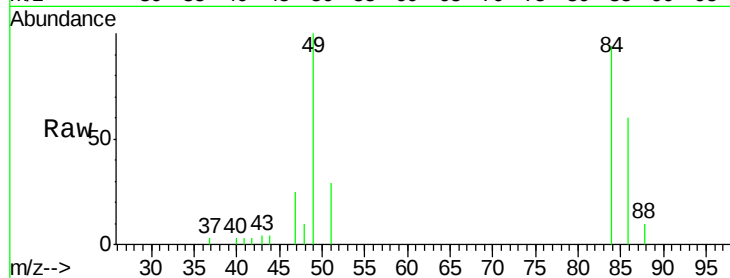
Ion Ratio Lower Upper

84 100

49 106.7 91.8 137.8

51 31.2 29.8 44.8

86 64.4 51.8 77.6

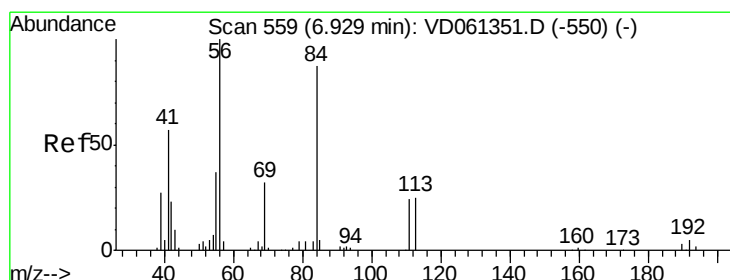
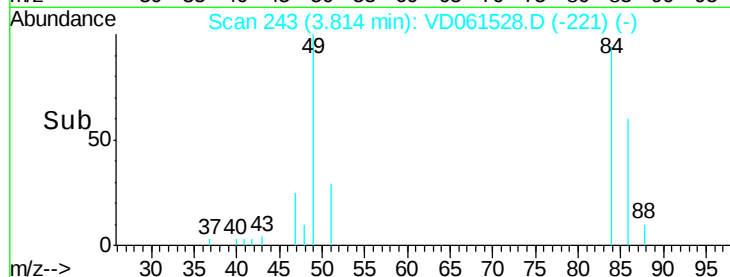
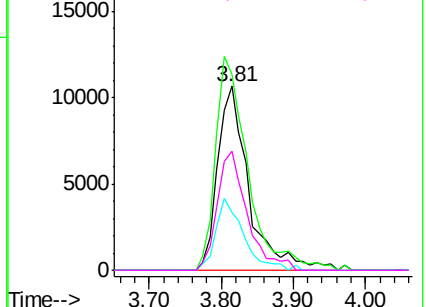


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

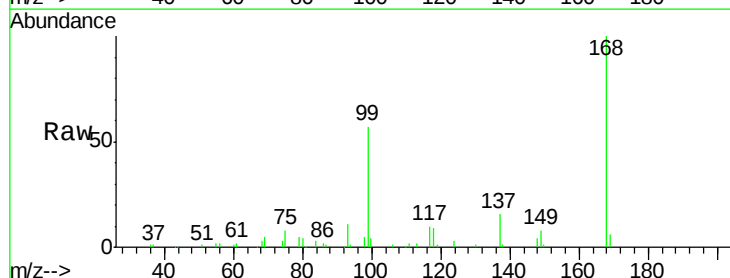
Tgt Ion: 56 Resp: 5506

Ion Ratio Lower Upper

56 100

69 213.7 25.7 38.5#

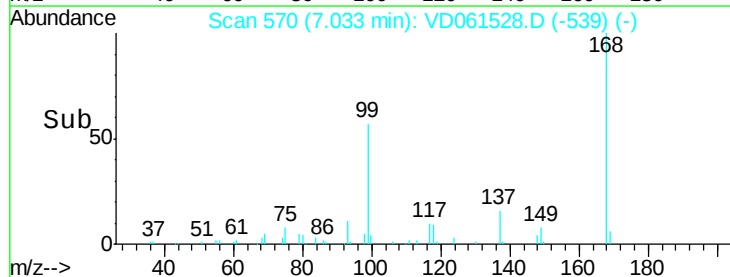
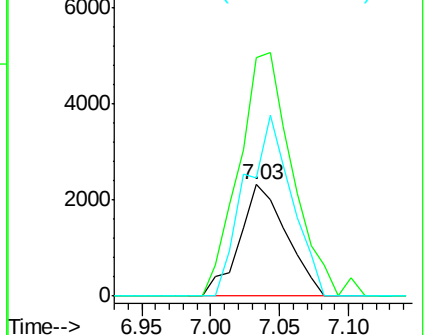
84 105.7 70.6 105.8

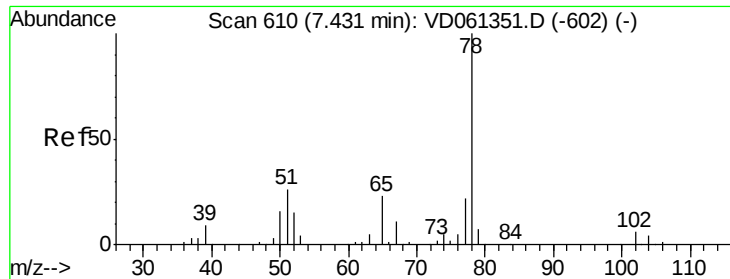


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

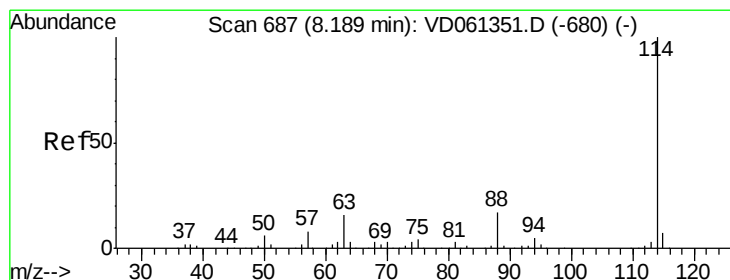
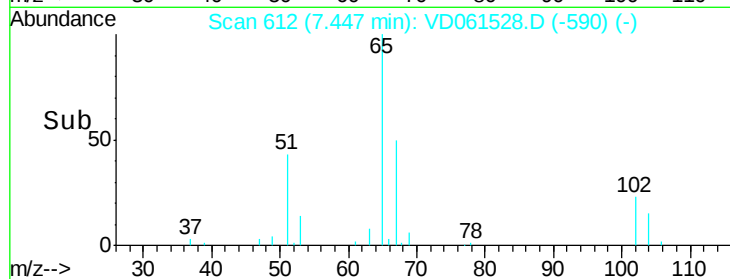
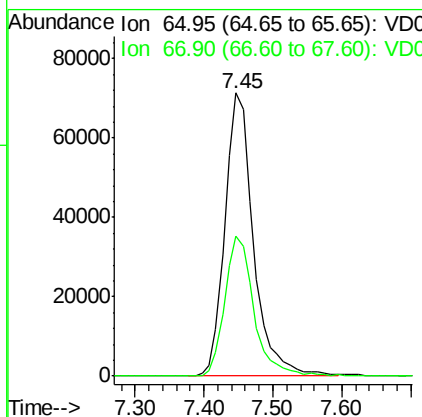
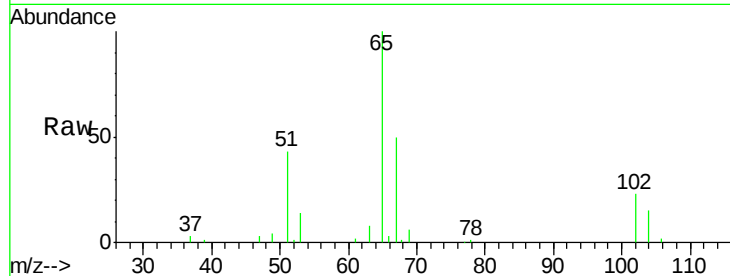




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061528.D
 Acq: 2 Apr 2019 21:39

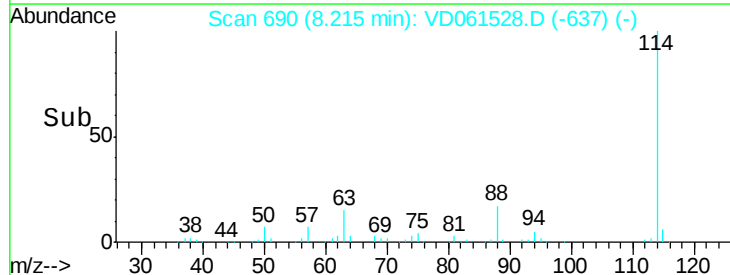
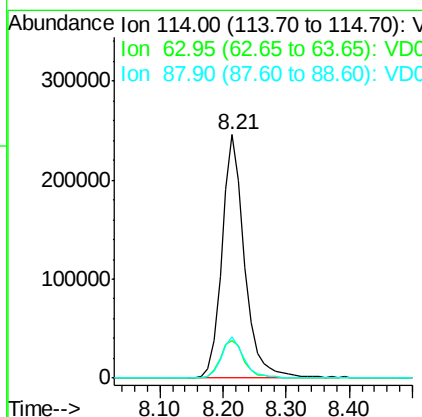
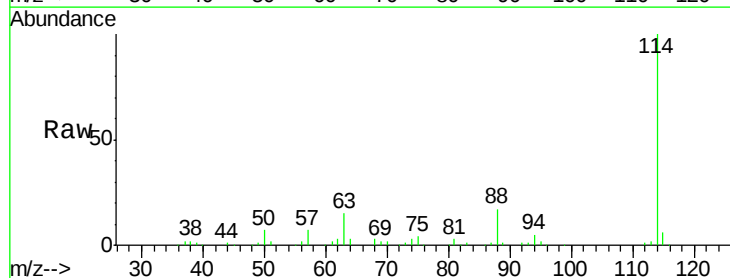
Instrument :
 MSVOA_D
 ClientSampleID :

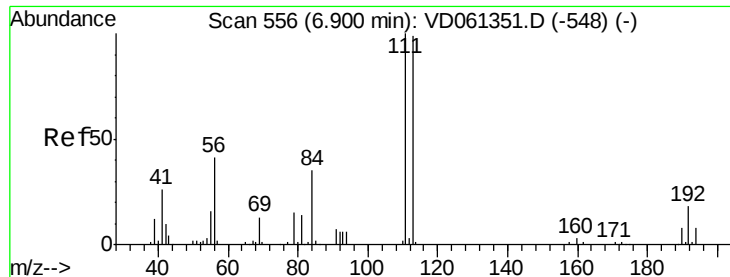
Tot Ion: 65 Resp: 205120
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061528.D
 Acq: 2 Apr 2019 21:39

Tgt Ion: 114 Resp: 611630
 Ion Ratio Lower Upper
 114 100
 63 15.5 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. 0.03 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

Instrument :

MSVOA_D

ClientSampleId :

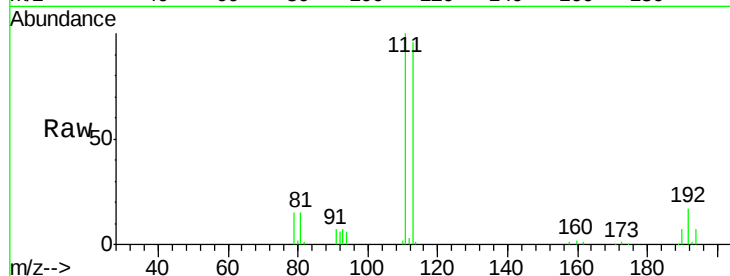
Tot Ion:113 Resp: 272477

Ion Ratio Lower Upper

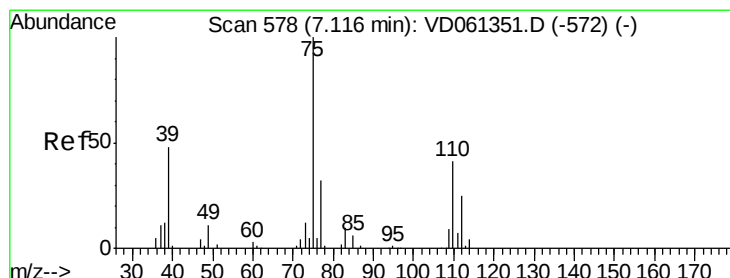
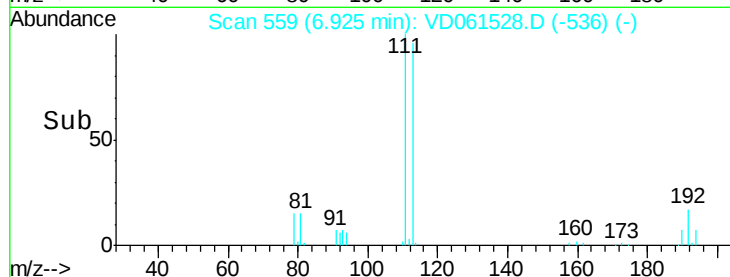
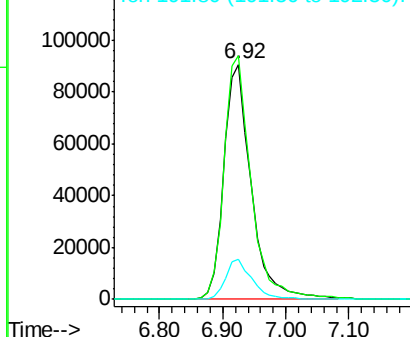
113 100

111 103.7 81.0 121.6

192 17.1 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: 4.260 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

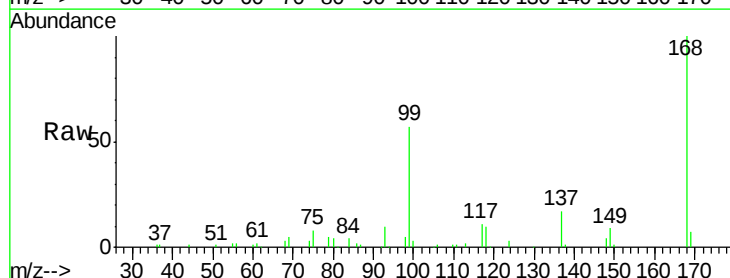
Tgt Ion: 75 Resp: 22742

Ion Ratio Lower Upper

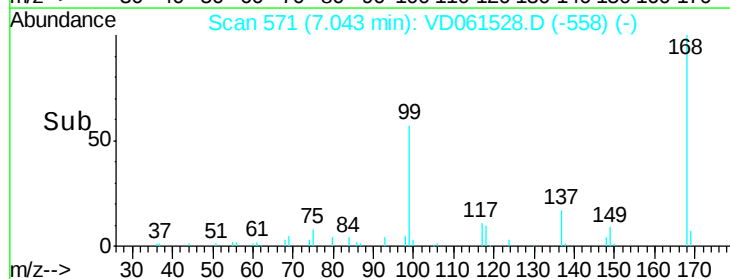
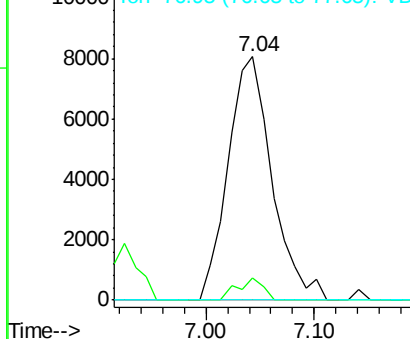
75 100

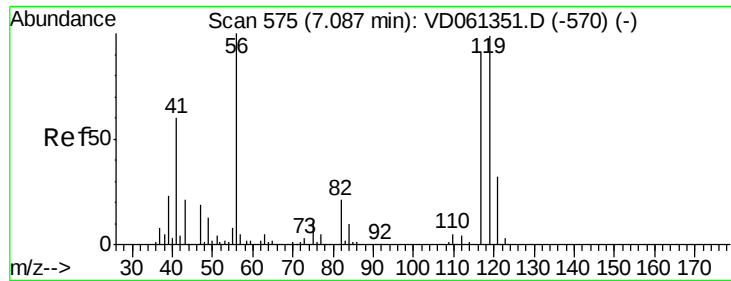
110 9.2 20.4 61.3#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.842 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

Instrument :

MSVOA_D

ClientSampled :

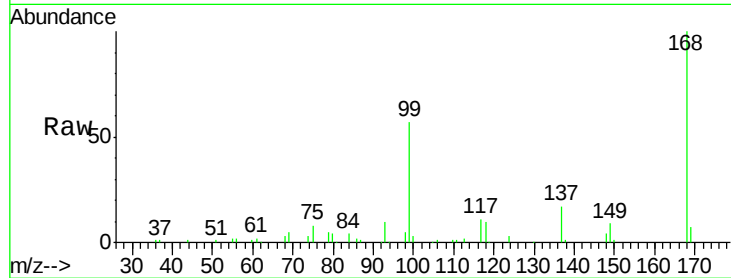
Tot Ion:117 Resp: 29704

Ion Ratio Lower Upper

117 100

119 3.9 80.1 120.1#

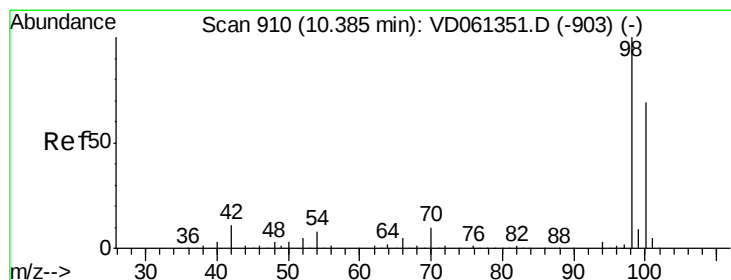
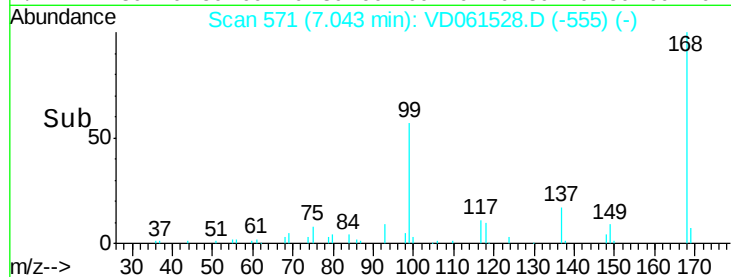
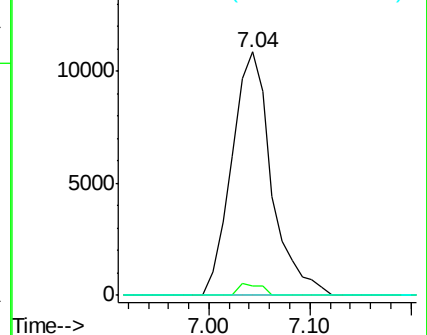
121 0.0 25.6 38.4#



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. 0.03 min

Lab File: VD061528.D

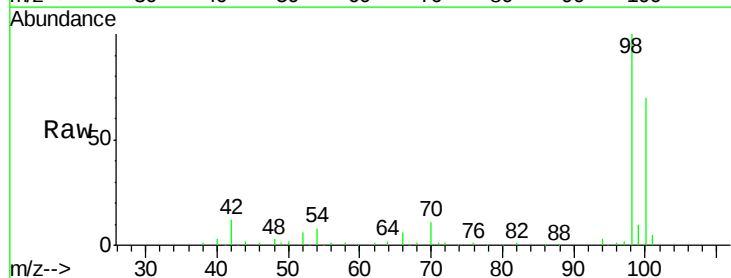
Acq: 2 Apr 2019 21:39

Tgt Ion: 98 Resp: 429294

Ion Ratio Lower Upper

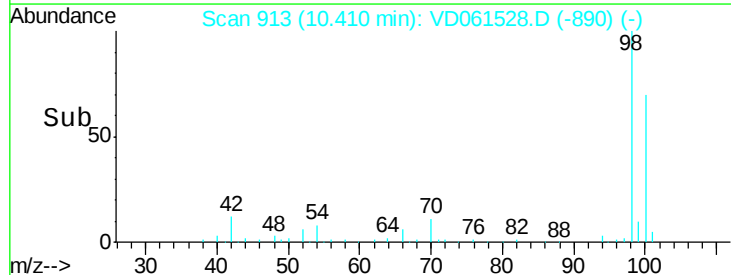
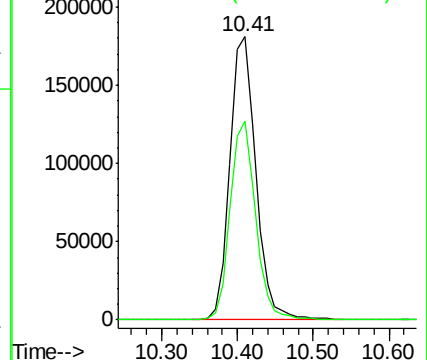
98 100

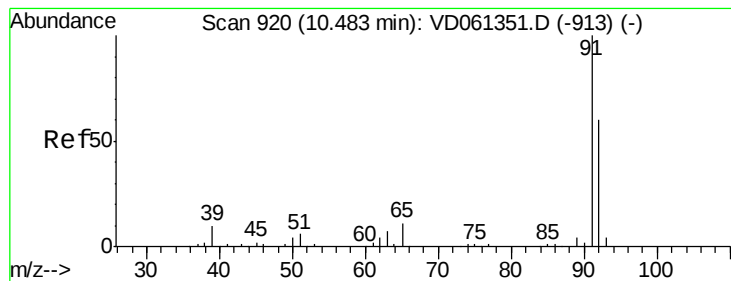
100 70.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.127 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

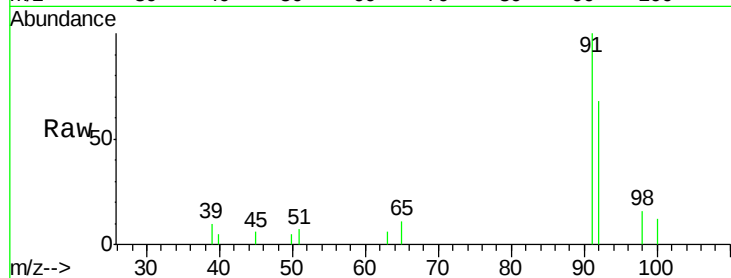
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 9213

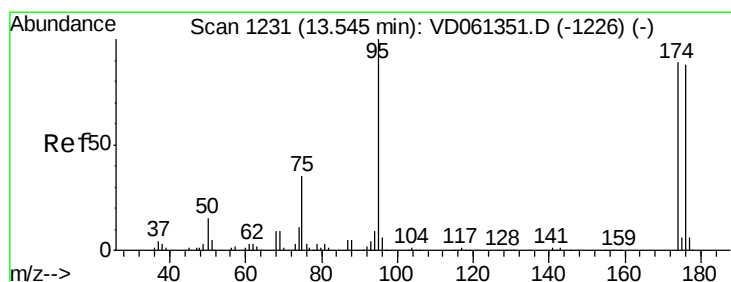
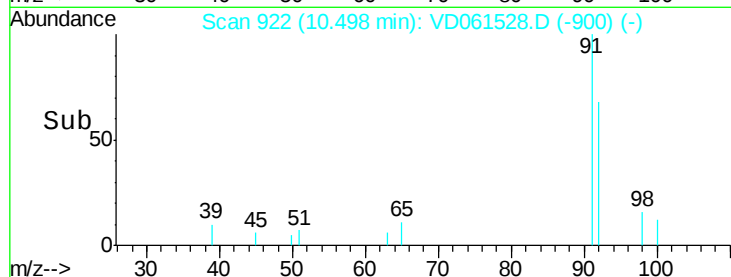
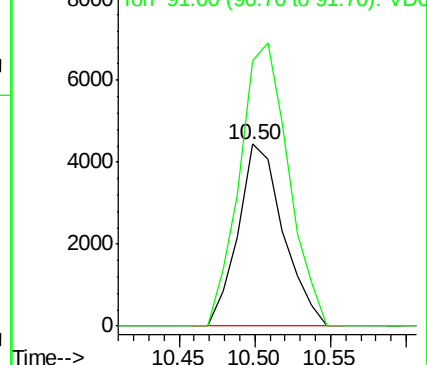
Ion Ratio Lower Upper

92 100

91 146.2 133.3 199.9



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: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

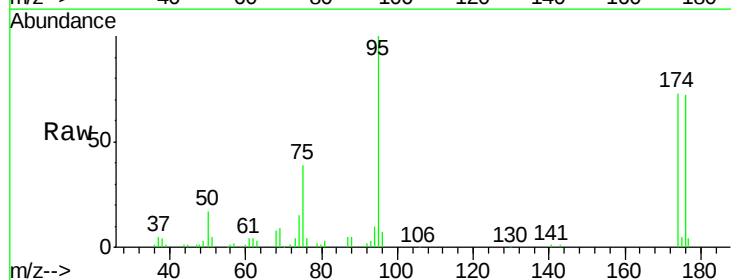
Tgt Ion: 95 Resp: 102844

Ion Ratio Lower Upper

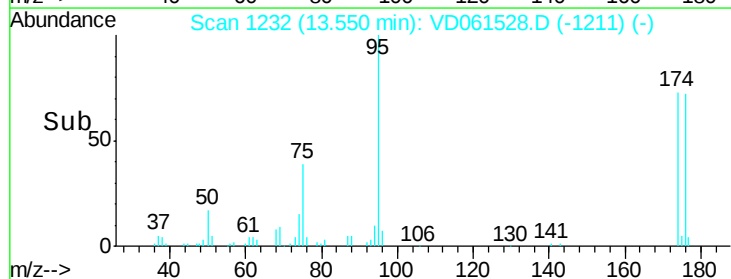
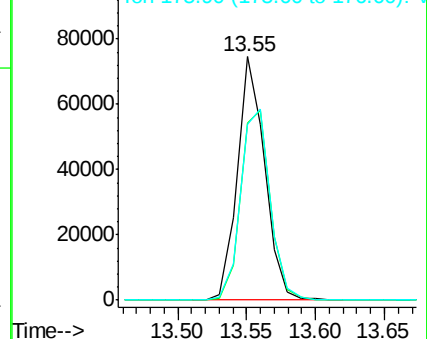
95 100

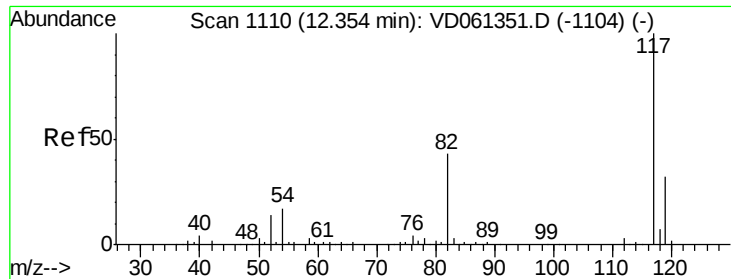
174 72.8 0.0 178.0

176 71.9 0.0 175.0



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

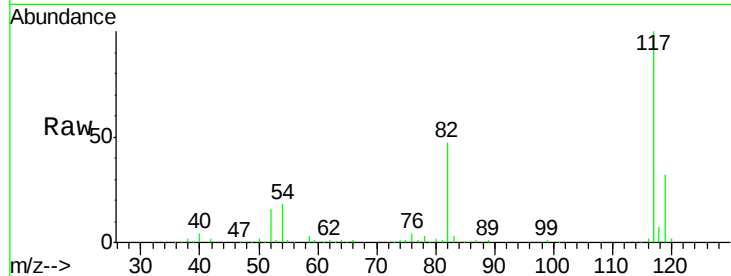




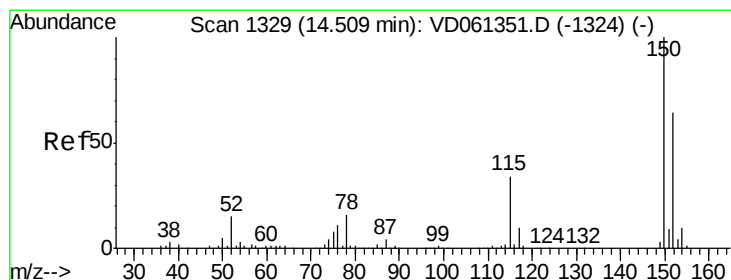
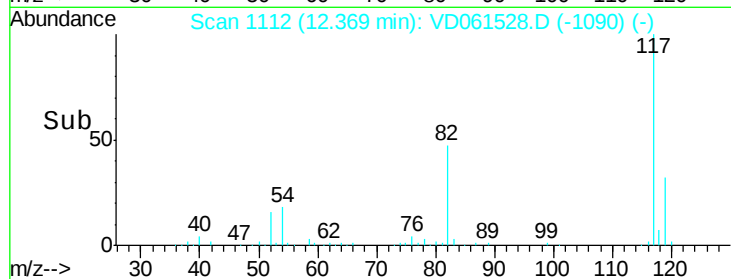
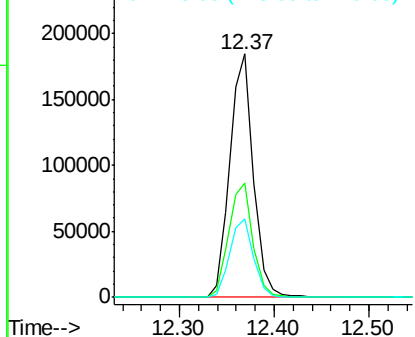
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061528.D
Acq: 2 Apr 2019 21:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 317395
Ion Ratio Lower Upper
117 100
82 46.9 34.4 51.6
119 32.2 25.8 38.6

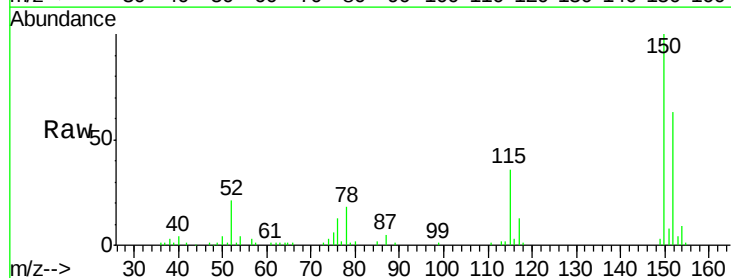


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

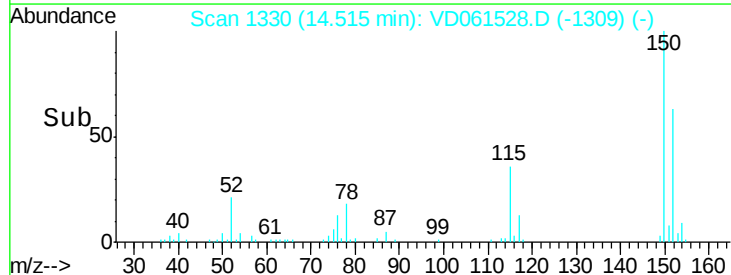
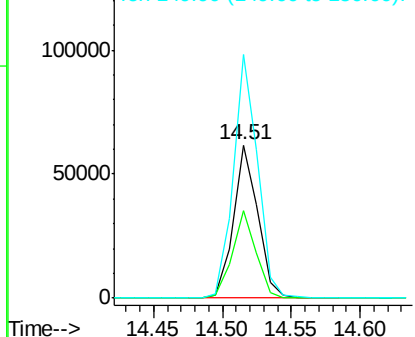


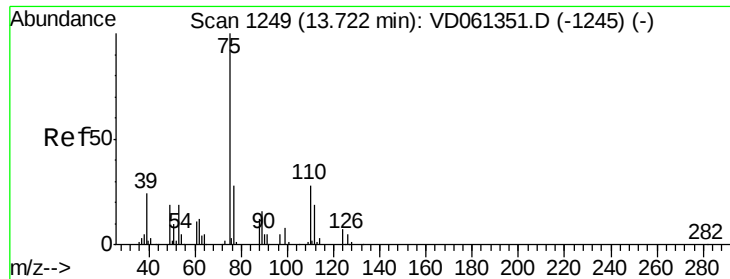
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061528.D
Acq: 2 Apr 2019 21:39

Tgt Ion:152 Resp: 75566
Ion Ratio Lower Upper
152 100
115 57.0 26.9 80.6
150 158.9 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: 29.152 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

Instrument :

MSVOA_D

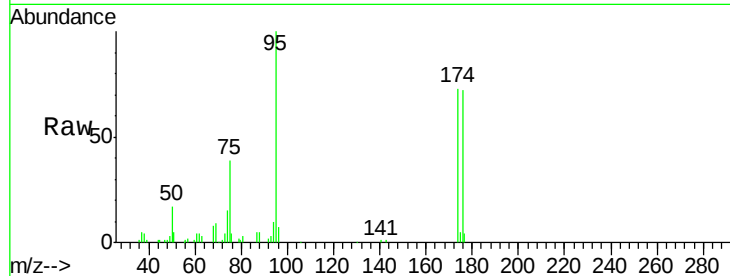
ClientSampleId :

Tot Ion: 75 Resp: 31821

Ion Ratio Lower Upper

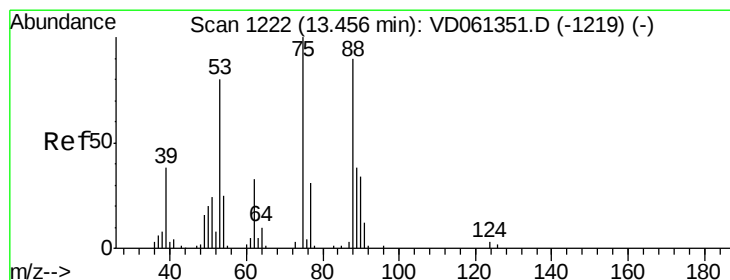
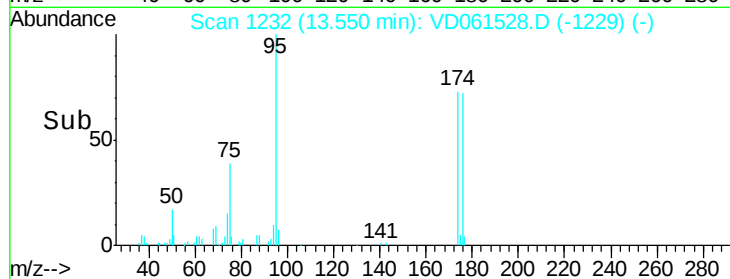
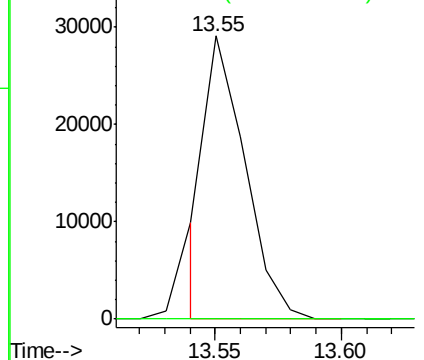
75 100

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: 114.689 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061528.D

Acq: 2 Apr 2019 21:39

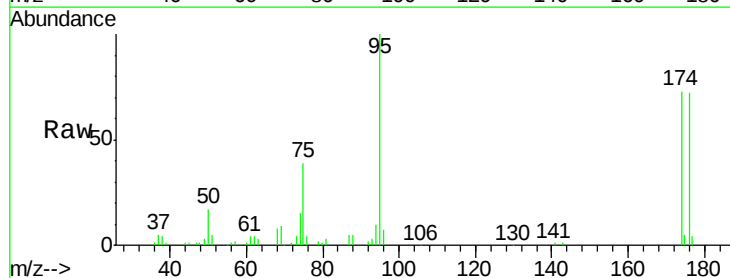
Tgt Ion: 75 Resp: 38171

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

