

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061433.D
 Acq On : 29 Mar 2019 16:51
 Operator : VA/AP
 Sample : K2153-25
 Misc : 5.25g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:45:46 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	362177	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	530037	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	295618	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	61095	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	151815	49.07	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	98.14%	
35) Dibromofluoromethane	6.92	113	255434	63.06	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	126.12%	
50) Toluene-d8	10.41	98	502803	51.76	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	13.56	95	107579	28.88	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	57.76%	

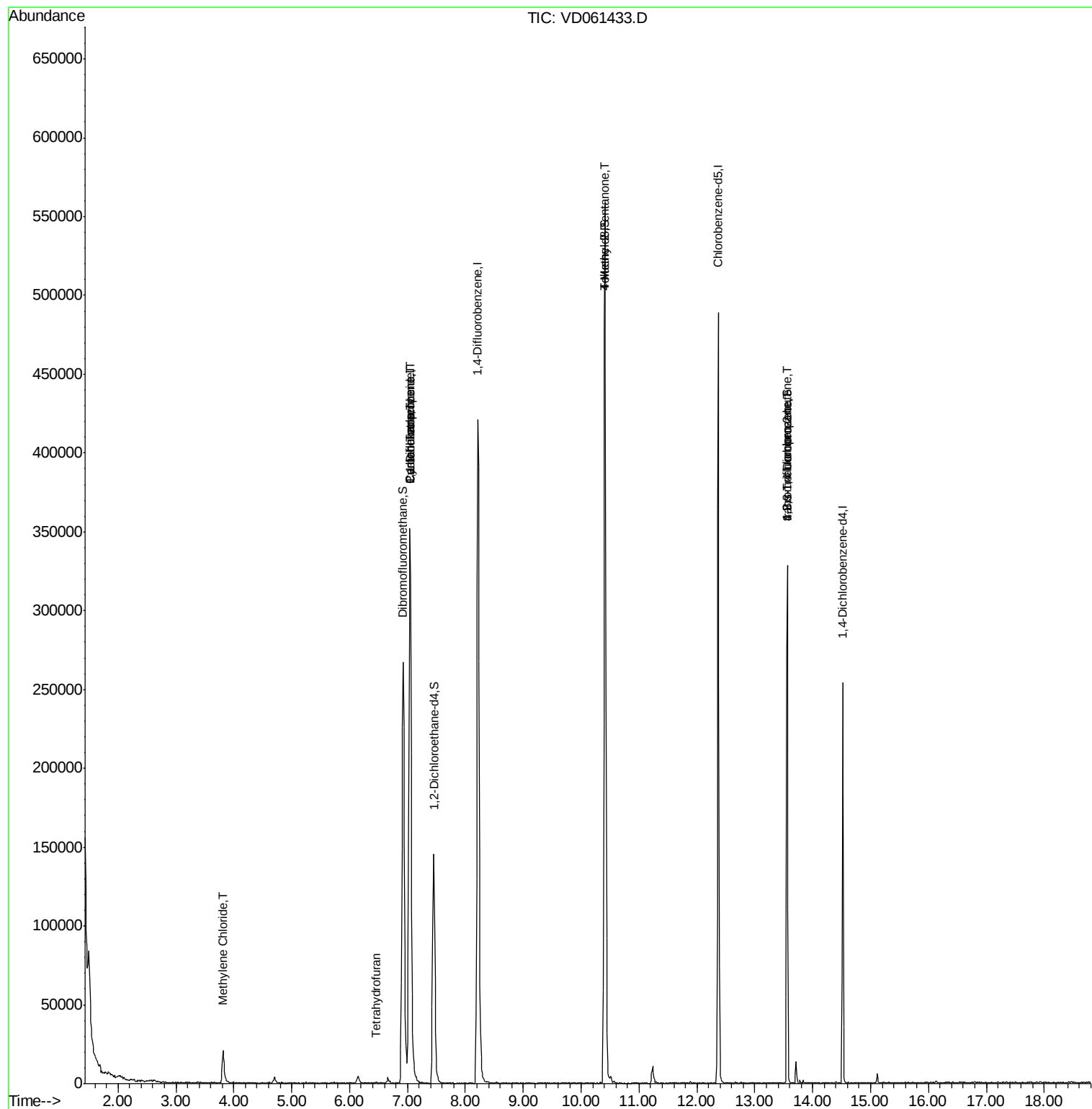
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.81	84	14146	1.305	ug/l	95
29) Tetrahydrofuran	6.46	42	768	1.584	ug/l #	30
31) Cyclohexane	7.04	56	5671	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	26043	5.630	ug/l #	45
38) Carbon Tetrachloride	7.04	117	35469	6.672	ug/l #	13
51) 4-Methyl-2-Pentanone	10.40	43	1931	1.103	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	35864	40.638	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	40266	149.641	ug/l #	18

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 29 23:45:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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: VD061433.D

Acq: 29 Mar 2019 16:51

Instrument :

MSVOA_D

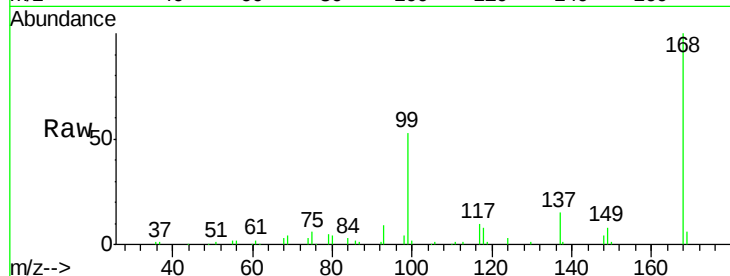
ClientSampleId :

Tot Ion:168 Resp: 362177

Ion Ratio Lower Upper

168 100

99 52.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

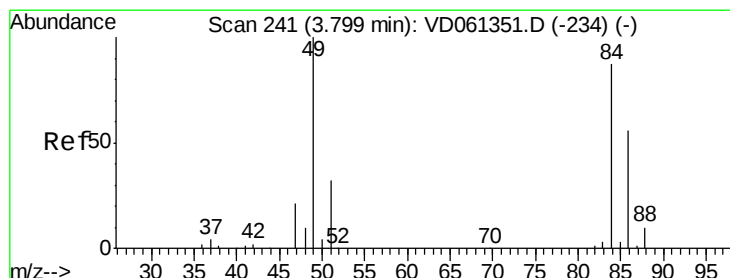
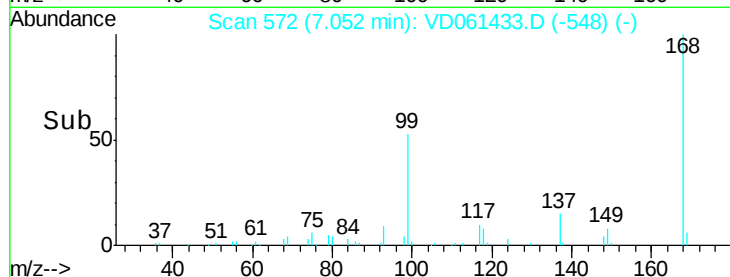
7.05

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 1.305 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

Tgt Ion: 84 Resp: 14146

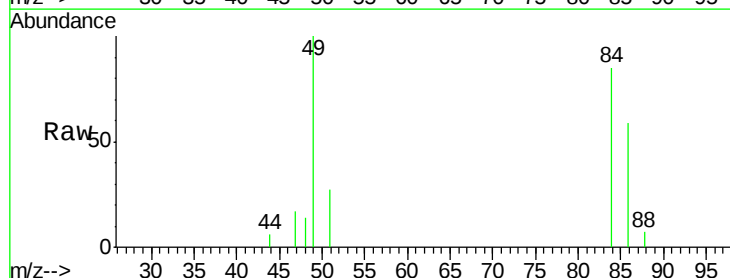
Ion Ratio Lower Upper

84 100

49 117.3 91.8 137.8

51 31.3 29.8 44.8

86 69.7 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

3.81

10000

8000

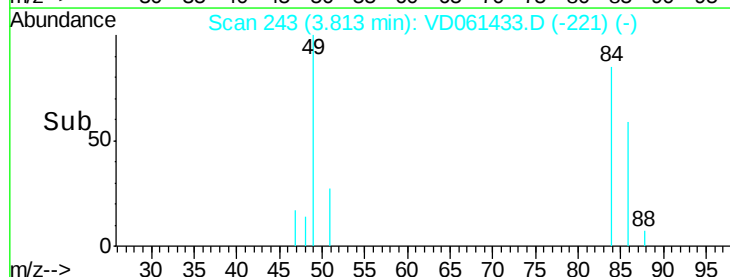
6000

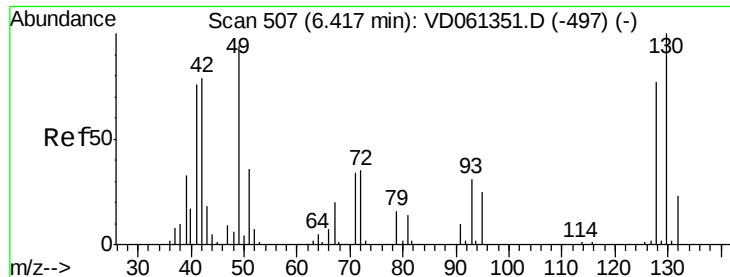
4000

2000

0

Time--> 3.75 3.80 3.85 3.90





#29

Tetrahydrofuran

Concen: 1.584 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

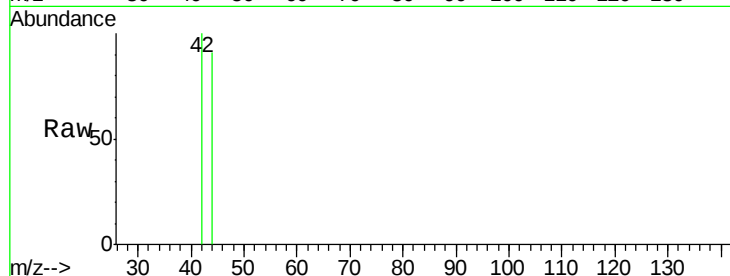
Tot Ion: 42 Resp: 768

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 0.0 36.7 55.1#



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

6.46

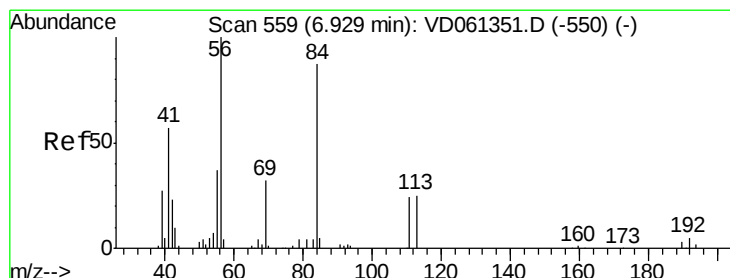
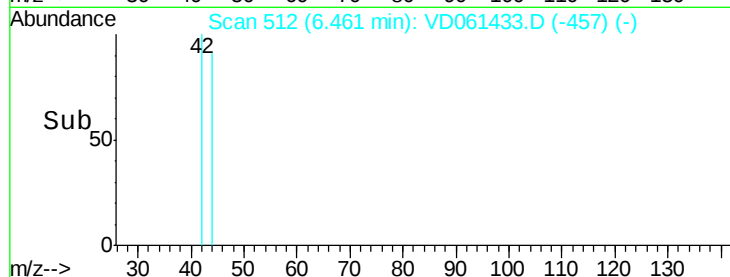
400

200

0

6.40 6.45 6.50

Time-->



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

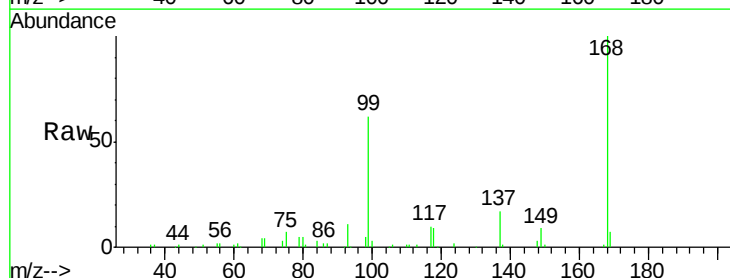
Tgt Ion: 56 Resp: 5671

Ion Ratio Lower Upper

56 100

69 266.1 25.7 38.5#

84 195.1 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

6000

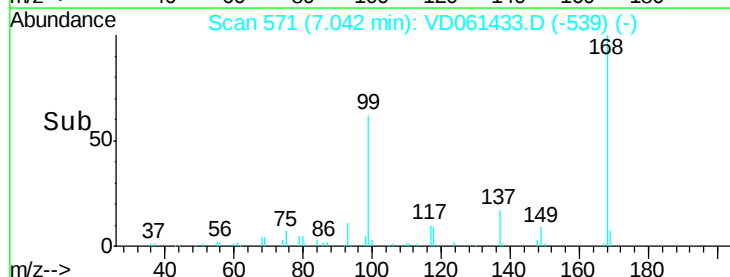
4000

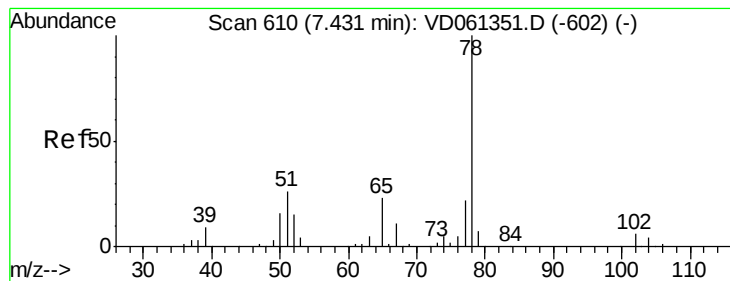
2000

0

6.95 7.00 7.05 7.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

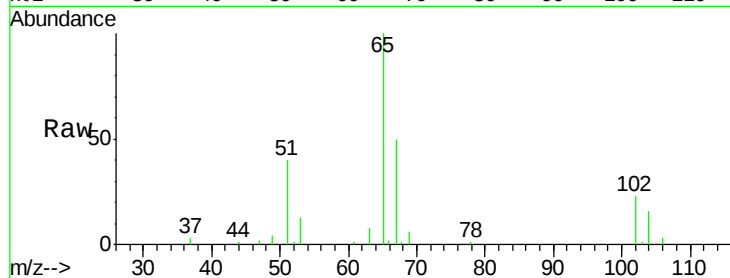
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 151815

Ion Ratio Lower Upper

65 100

67 49.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

60000

50000

40000

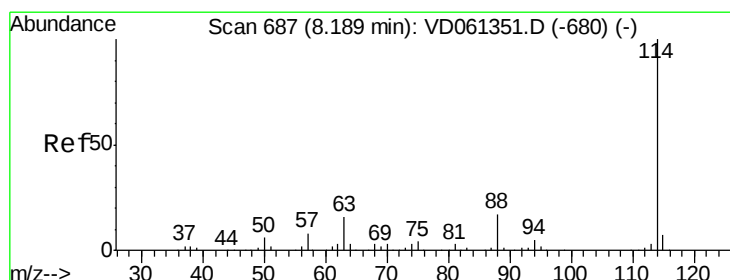
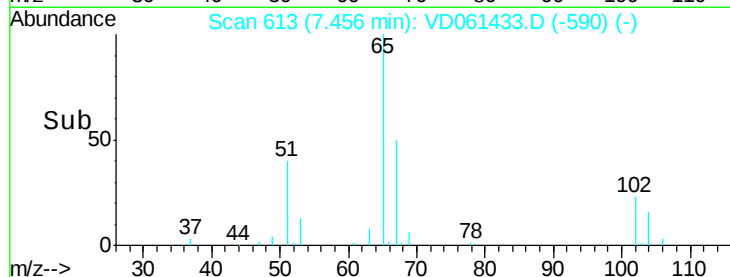
30000

20000

10000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

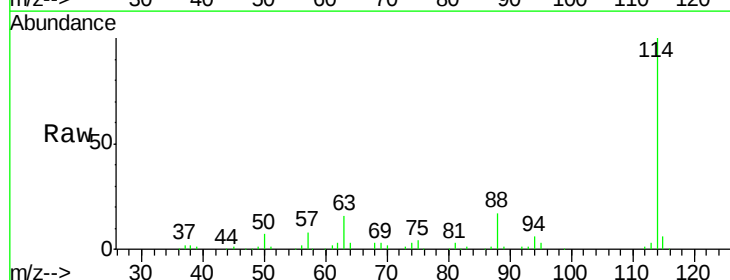
Tgt Ion: 114 Resp: 530037

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.6

88 17.0 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

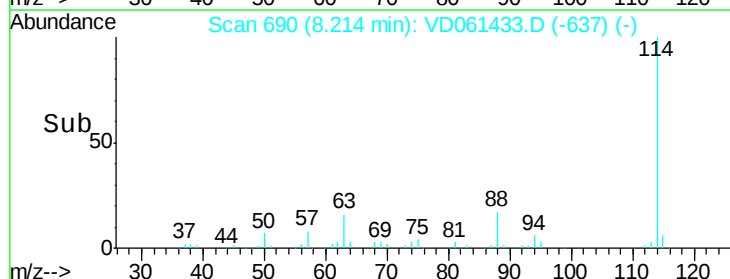
150000

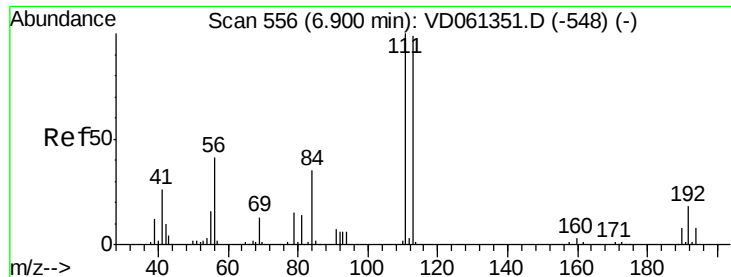
100000

50000

0

Time--> 8.10 8.20 8.30 8.40

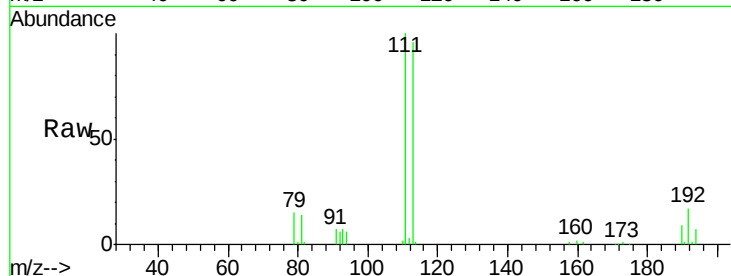




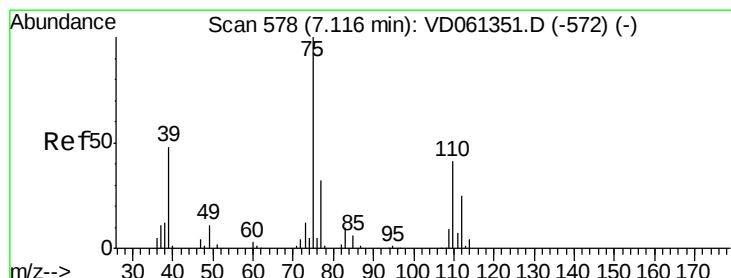
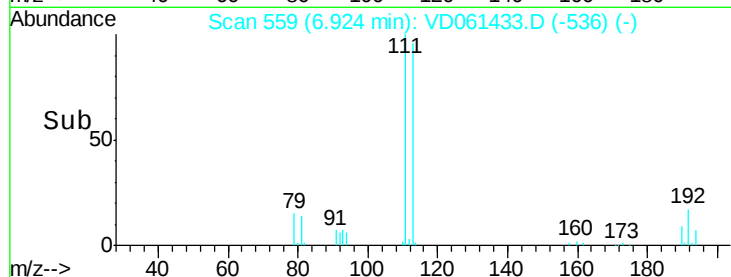
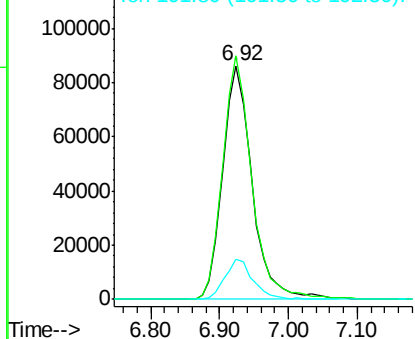
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061433.D
 Acq: 29 Mar 2019 16:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 255434
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.0 121.6
 192 17.3 14.4 21.6

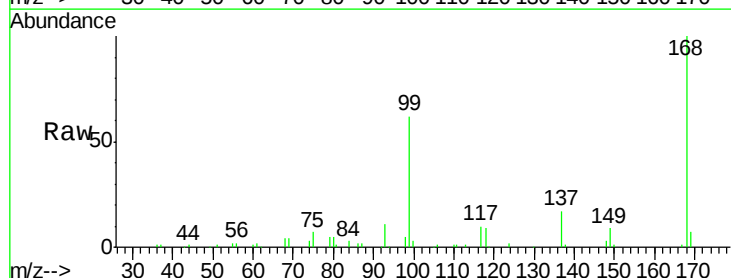


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

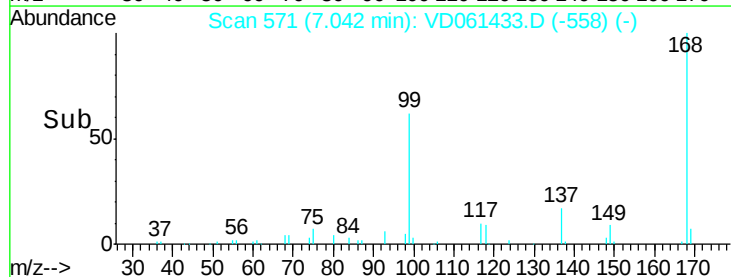
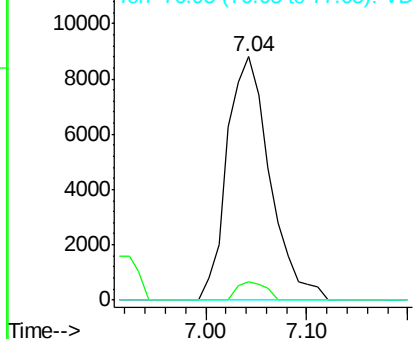


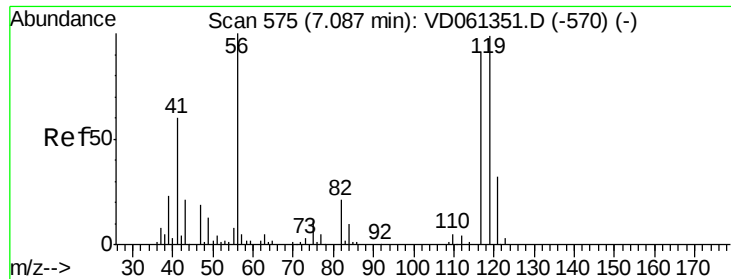
#36
 1,1-Dichloropropene
 Concen: 5.630 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061433.D
 Acq: 29 Mar 2019 16:51

Tgt Ion: 75 Resp: 26043
 Ion Ratio Lower Upper
 75 100
 110 7.5 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

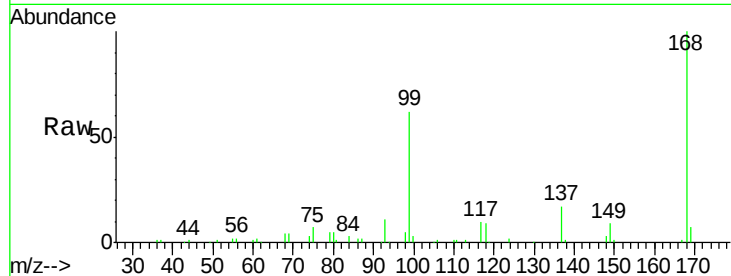




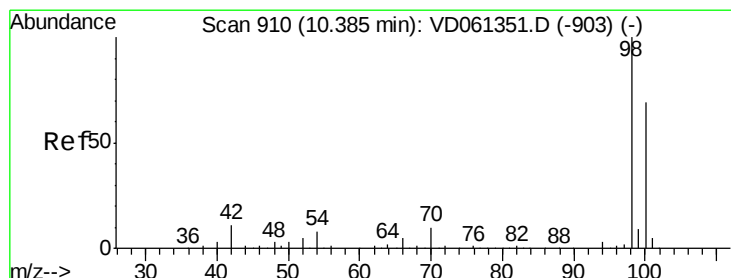
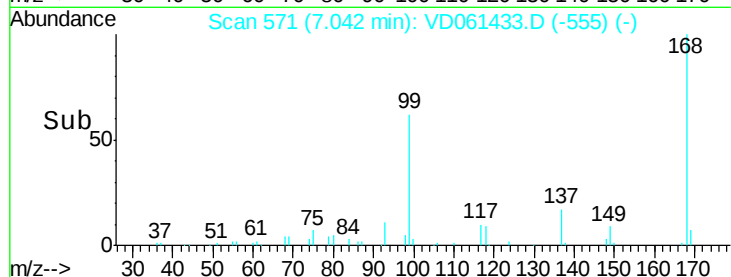
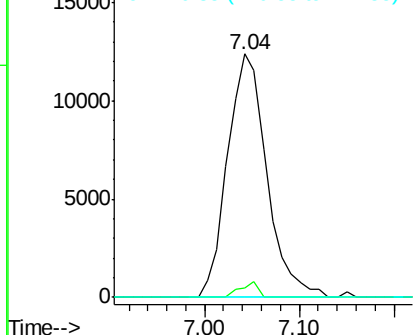
#38
Carbon Tetrachloride
Concen: 6.672 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061433.D
Acq: 29 Mar 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 35469
Ion Ratio Lower Upper
117 100
119 4.0 80.1 120.1#
121 0.0 25.6 38.4#

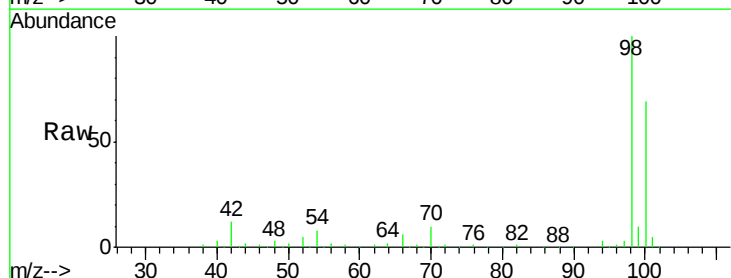


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

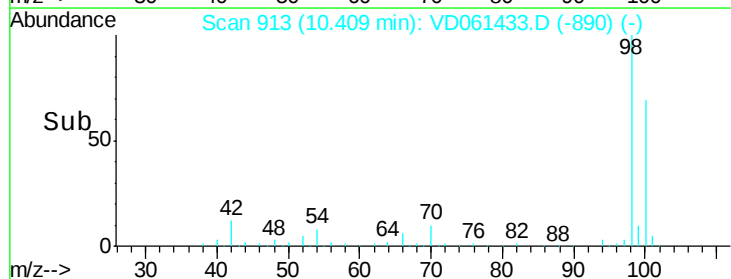
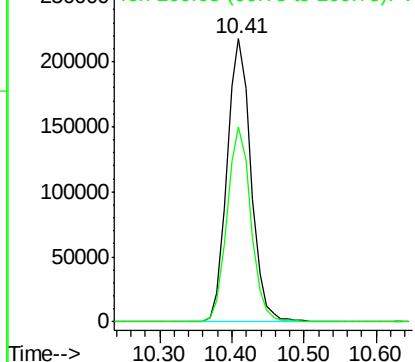


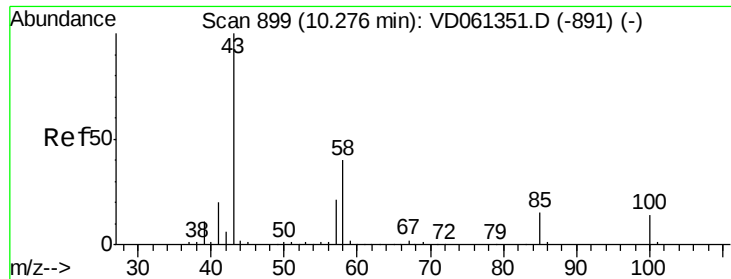
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061433.D
Acq: 29 Mar 2019 16:51

Tgt Ion: 98 Resp: 502803
Ion Ratio Lower Upper
98 100
100 68.8 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.103 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

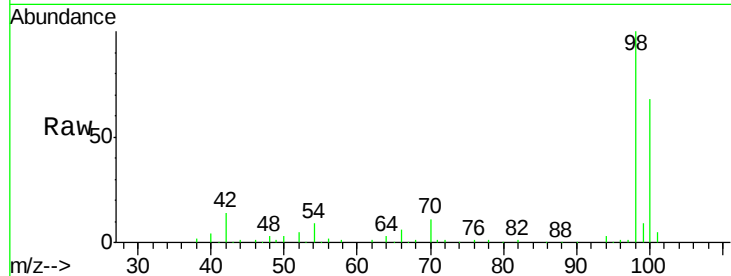
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1931

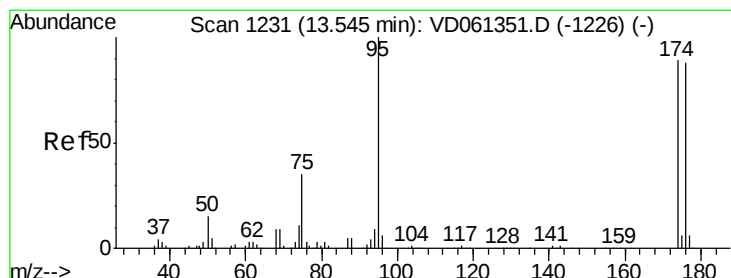
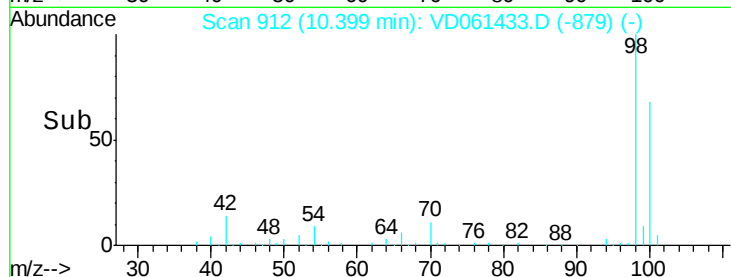
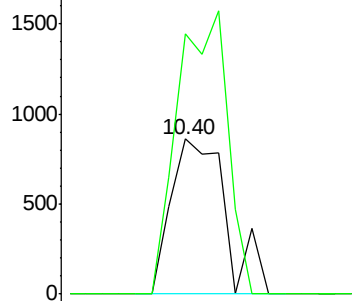
Ion Ratio Lower Upper

43 100

58 168.6 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

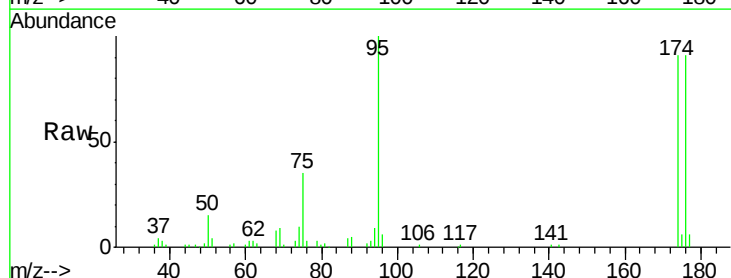
Tgt Ion: 95 Resp: 107579

Ion Ratio Lower Upper

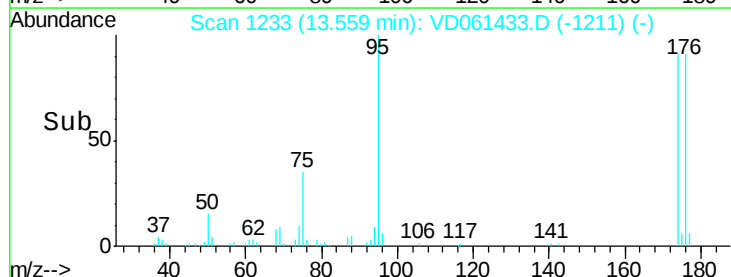
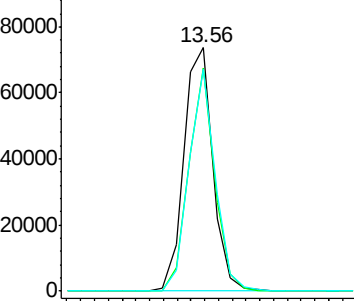
95 100

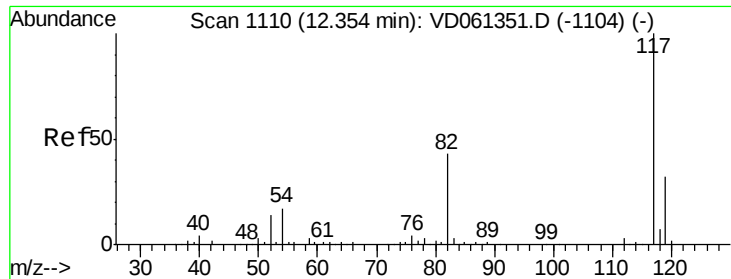
174 91.5 0.0 178.0

176 91.2 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

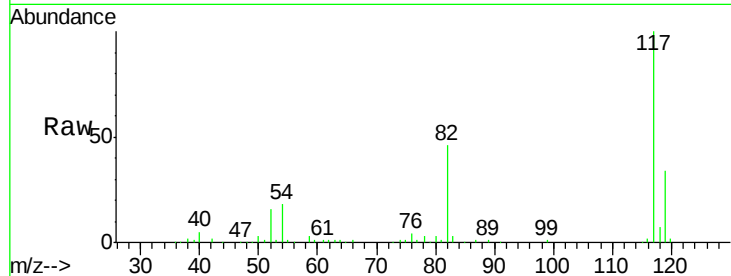




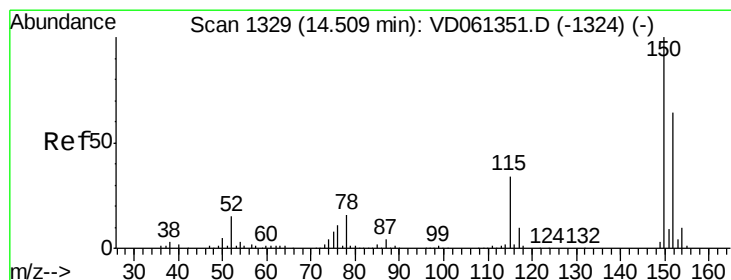
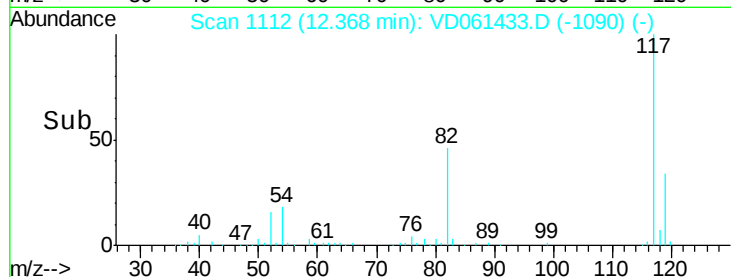
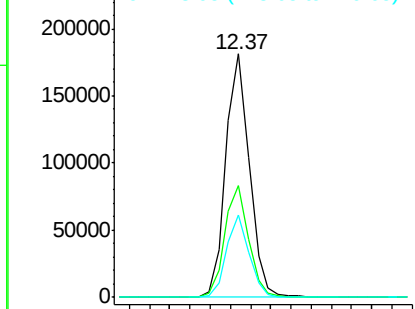
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061433.D
Acq: 29 Mar 2019 16:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 295618
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.7 25.8 38.6

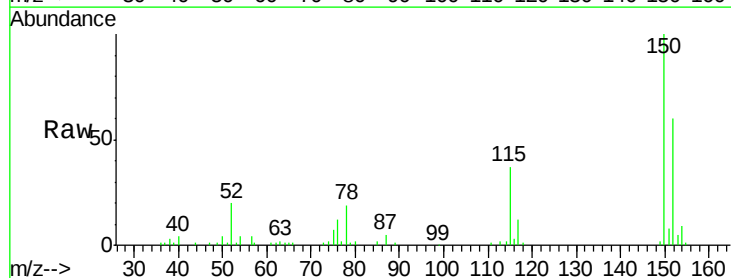


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

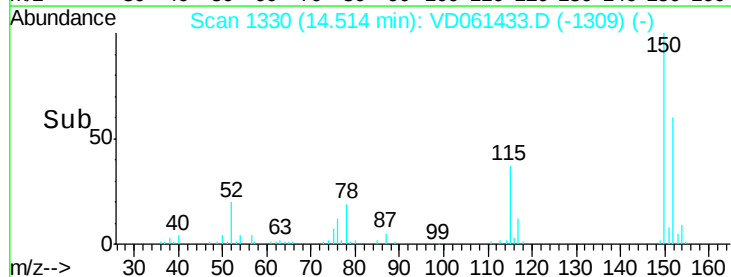
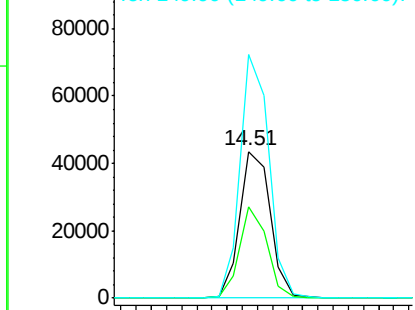


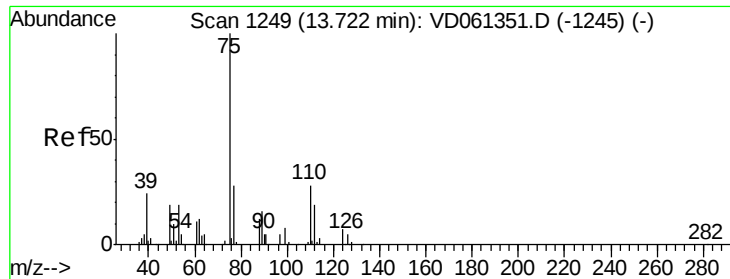
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061433.D
Acq: 29 Mar 2019 16:51

Tgt Ion:152 Resp: 61095
Ion Ratio Lower Upper
152 100
115 62.1 26.9 80.6
150 165.7 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: 40.638 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

Instrument :

MSVOA_D

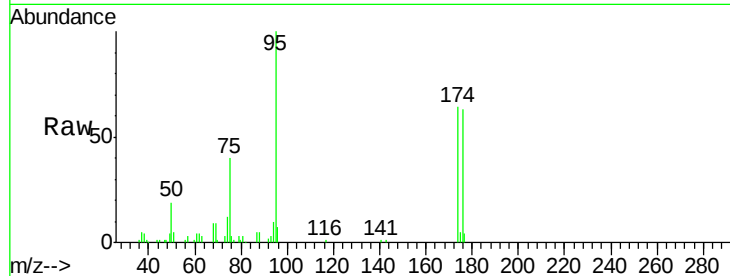
ClientSampleId :

Tot Ion: 75 Resp: 35864

Ion Ratio Lower Upper

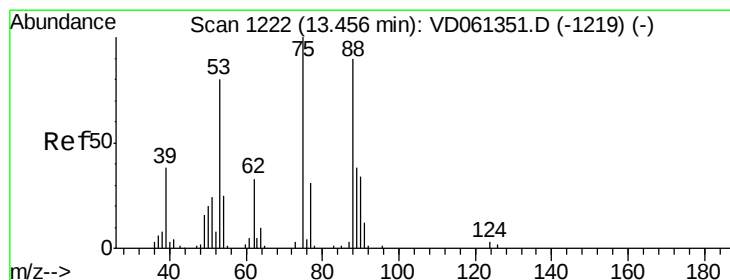
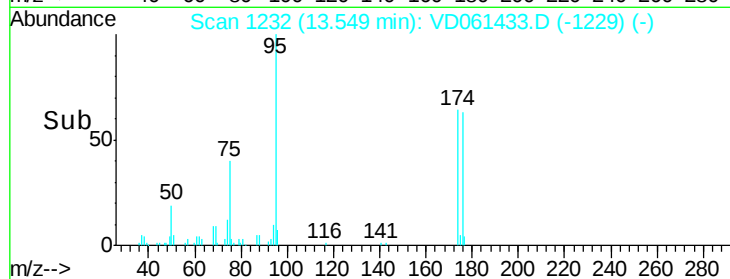
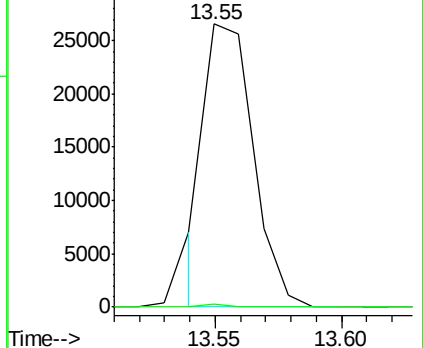
75 100

77 1.3 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: 149.641 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061433.D

Acq: 29 Mar 2019 16:51

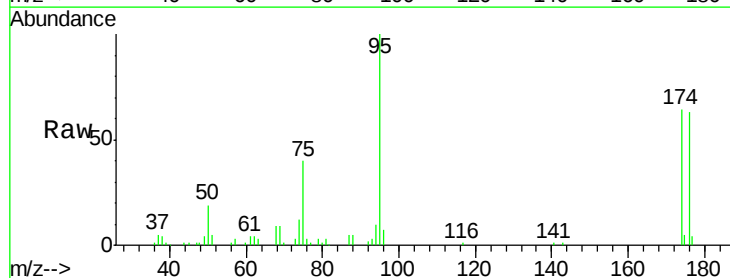
Tgt Ion: 75 Resp: 40266

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

