

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062042.D
 Acq On : 25 Apr 2019 16:52
 Operator : VA/AP
 Sample : K2522-07
 Misc : 16.53g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:43:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	54241	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	87782	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	77093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	30841	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	37450	88.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	176.44%	
35) Dibromofluoromethane	6.92	113	43585	71.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	143.58%	
50) Toluene-d8	10.41	98	82541	57.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.28%	
62) 4-Bromofluorobenzene	13.55	95	30959	53.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.86%	

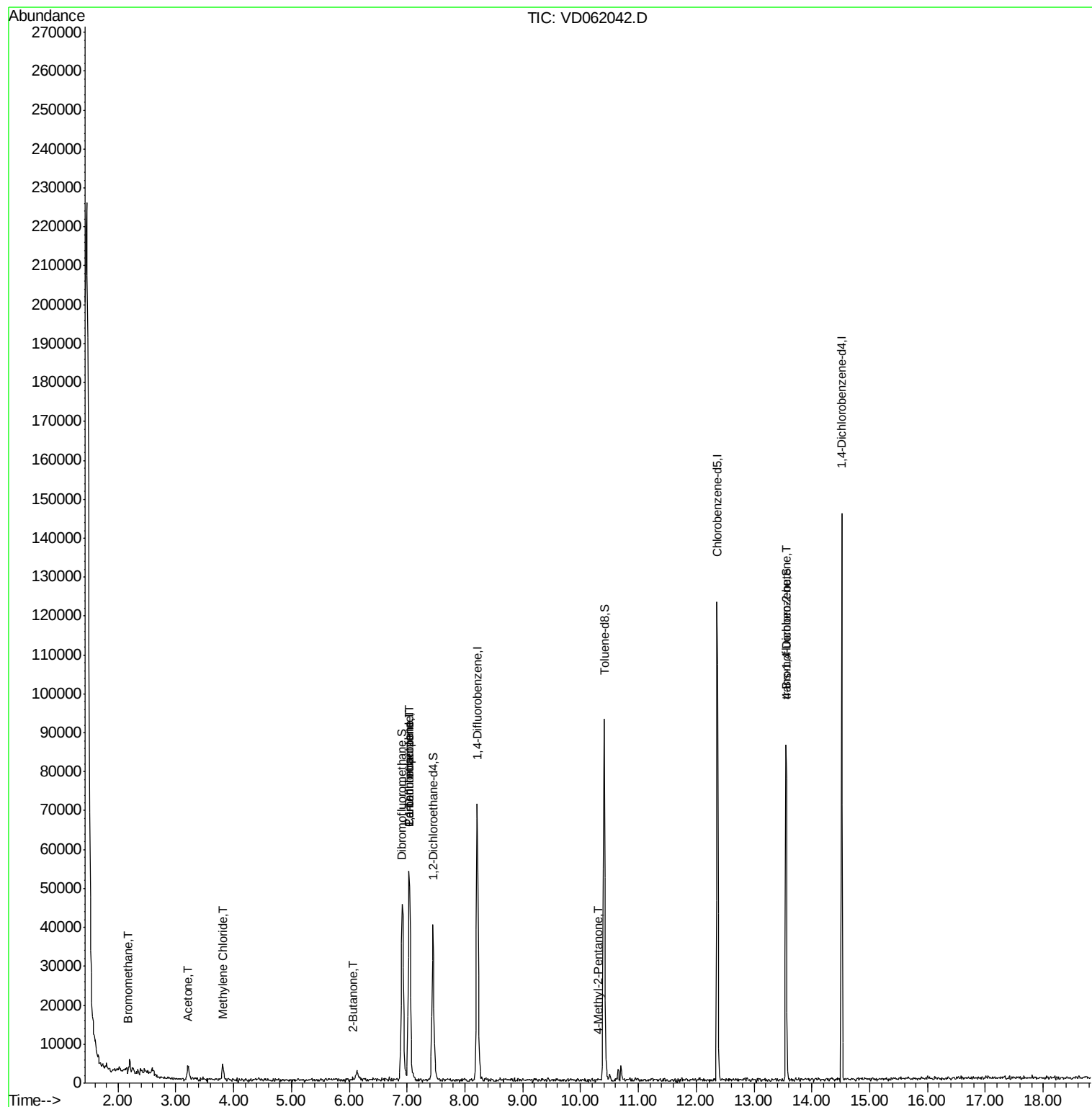
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	698	5.619	ug/l #	12
16) Acetone	3.20	43	7400	73.005	ug/l #	77
20) Methylene Chloride	3.81	84	2650	2.330	ug/l #	93
25) 2-Butanone	6.06	43	234	1.904	ug/l #	56
36) 1,1-Dichloropropene	7.03	75	3466	5.068	ug/l #	40
38) Carbon Tetrachloride	7.04	117	4737	5.466	ug/l #	12
51) 4-Methyl-2-Pentanone	10.29	43	720	2.765	ug/l #	37
81) trans-1,4-Dichloro-2-buten	13.55	75	10813	91.110	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

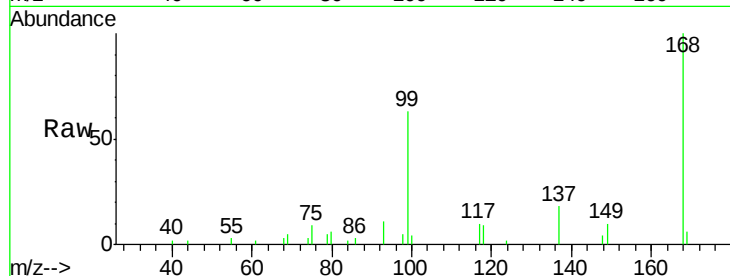
ClientSampleId :

Tot Ion:168 Resp: 54241

Ion Ratio Lower Upper

168 100

99 63.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

20000

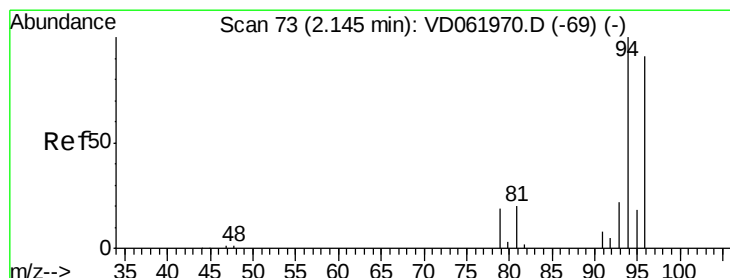
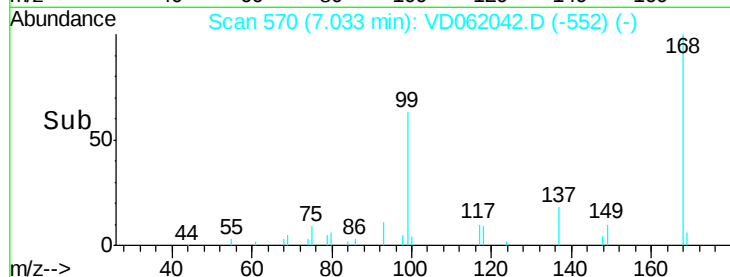
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 5.619 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

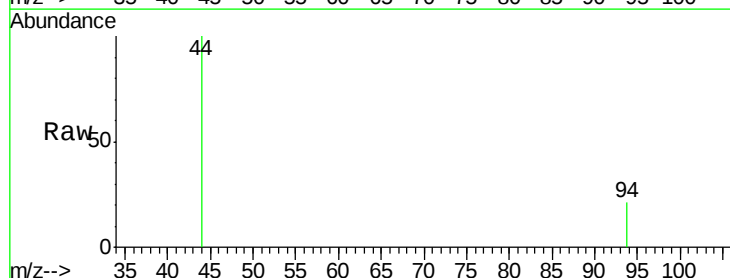
Tgt Ion: 94 Resp: 698

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.17

500

400

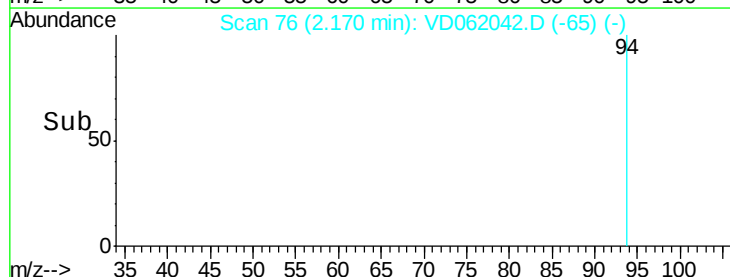
300

200

100

0

Time--> 2.14 2.16 2.18 2.20





#16

Acetone

Concen: 73.005 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

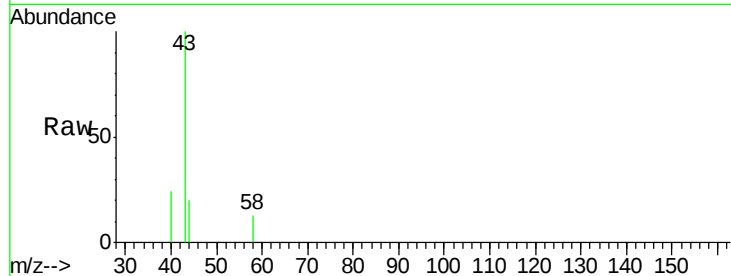
ClientSampleId :

Tot Ion: 43 Resp: 7400

Ion Ratio Lower Upper

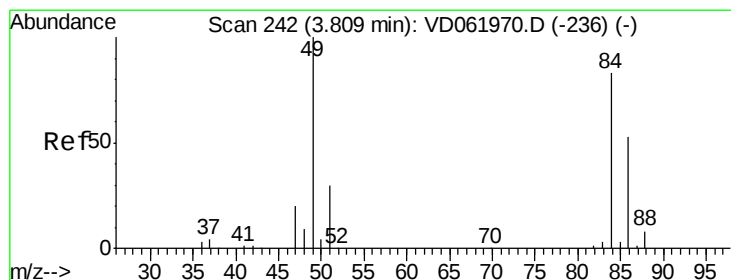
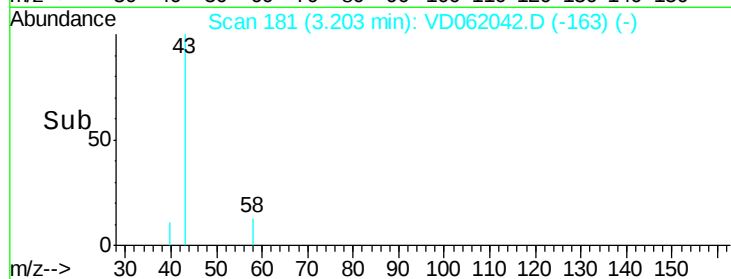
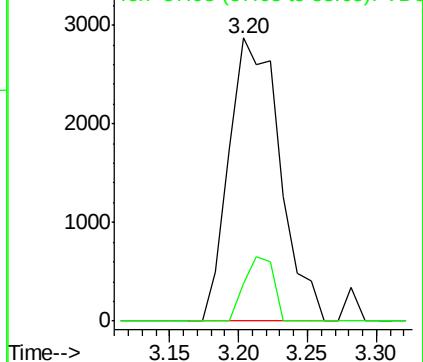
43 100

58 13.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.330 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Tgt Ion: 84 Resp: 2650

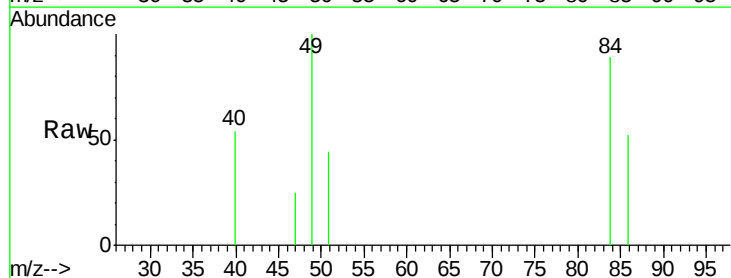
Ion Ratio Lower Upper

84 100

49 112.9 94.0 141.0

51 49.3 29.0 43.4#

86 58.7 49.8 74.6

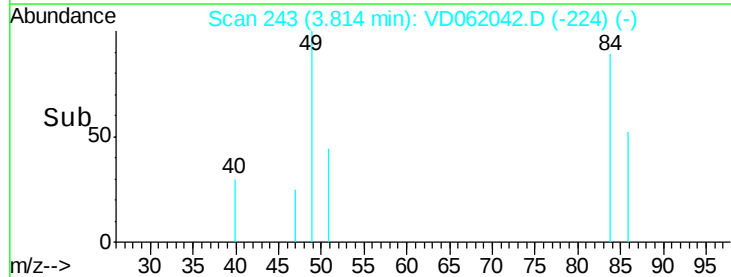
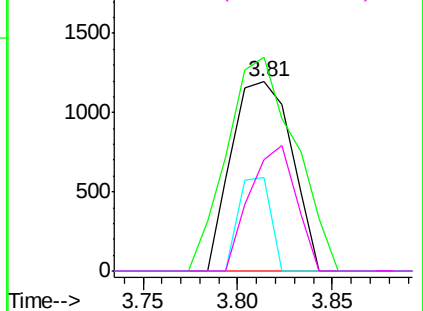


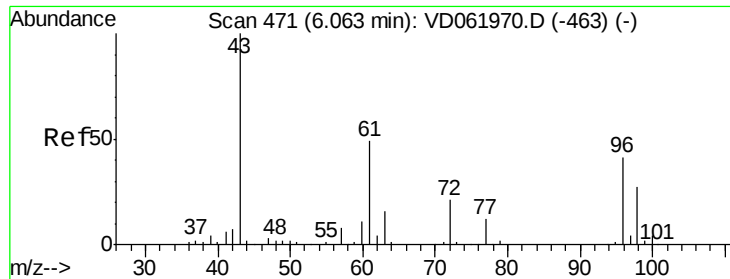
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.904 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

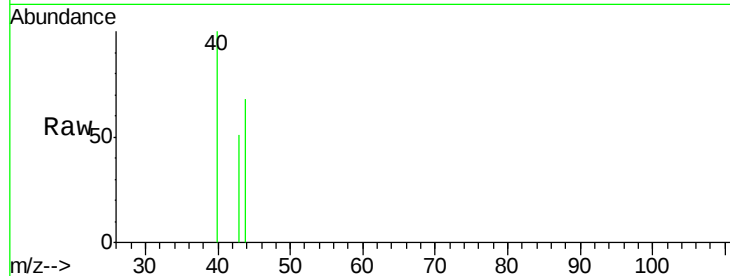
ClientSampleId :

Tot Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

400

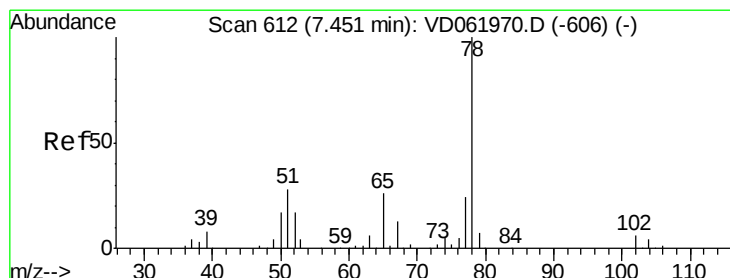
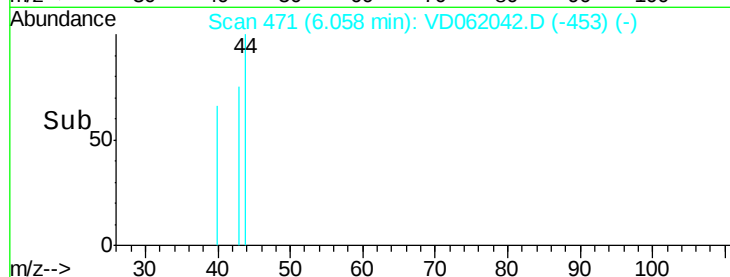
300

200

100

0

Time--> 6.02 6.04 6.06 6.08



#33

1,2-Dichloroethane-d4

Concen: 88.217 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062042.D

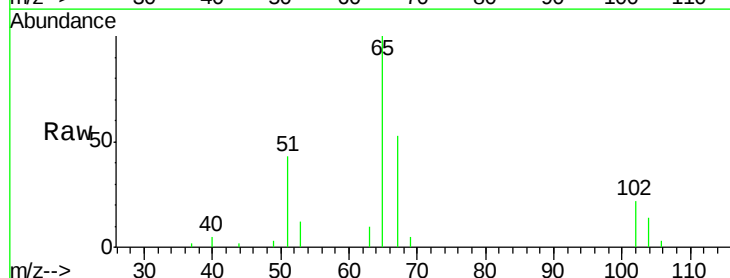
Acq: 25 Apr 2019 16:52

Tgt Ion: 65 Resp: 37450

Ion Ratio Lower Upper

65 100

67 52.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

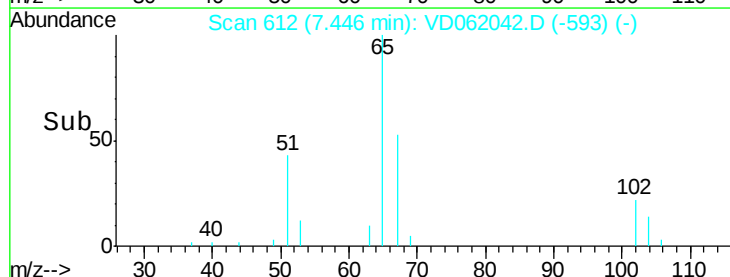
15000

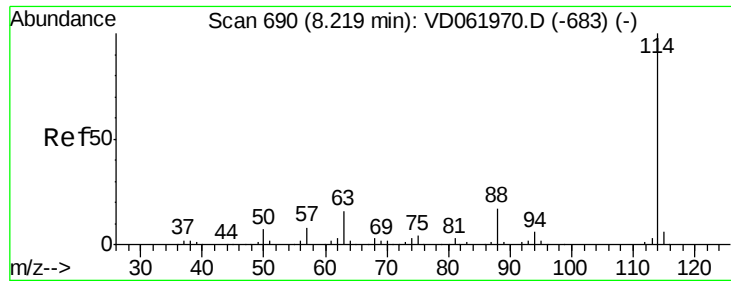
10000

5000

0

Time--> 7.40 7.45 7.50





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

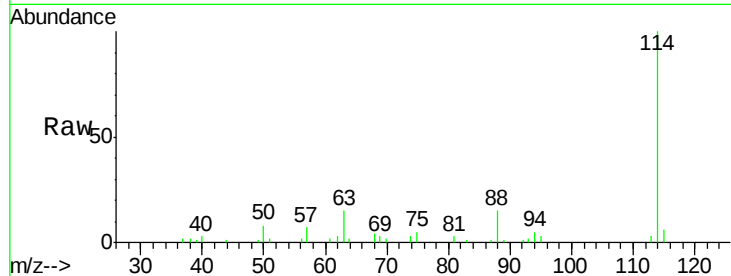
Tot Ion:114 Resp: 87782

Ion Ratio Lower Upper

114 100

63 15.4 0.0 32.4

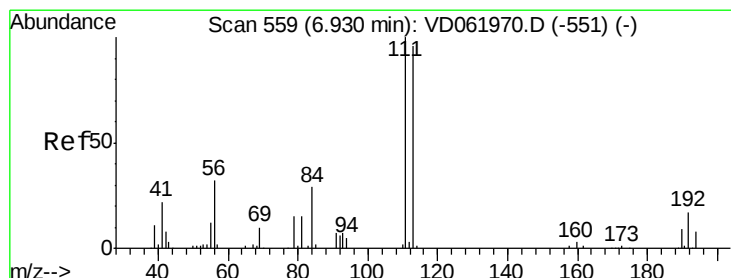
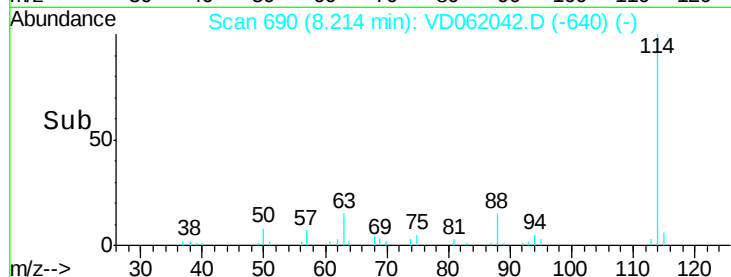
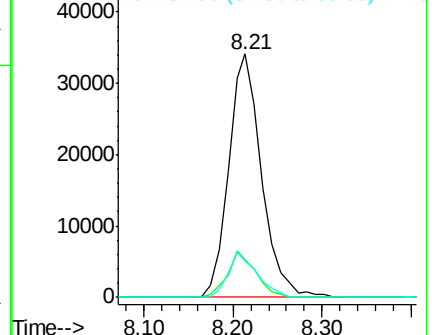
88 14.7 0.0 33.6



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: 71.792 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

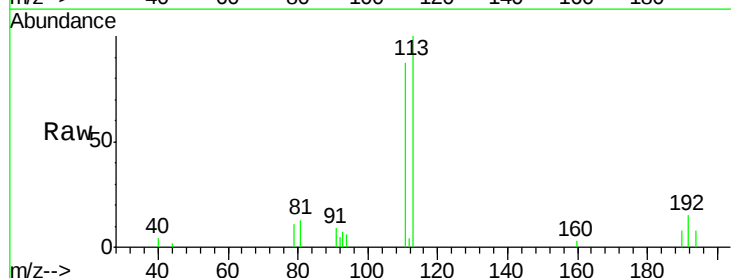
Tgt Ion:113 Resp: 43585

Ion Ratio Lower Upper

113 100

111 86.7 78.5 117.7

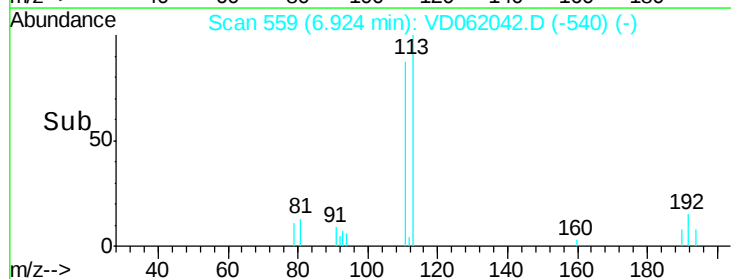
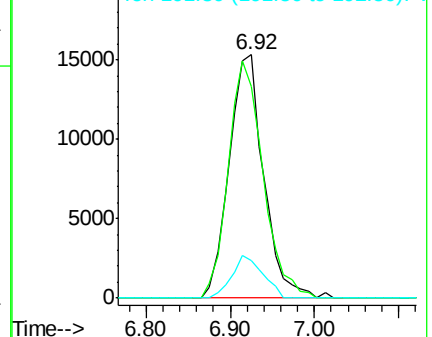
192 15.2 13.0 19.4

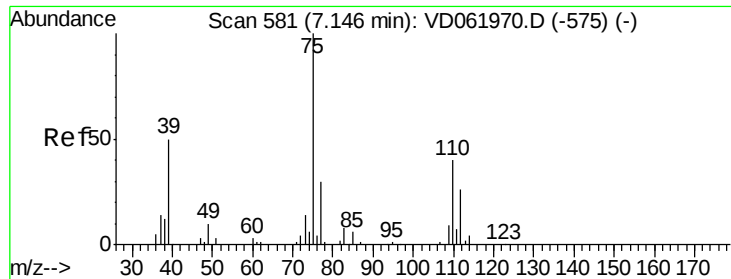


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

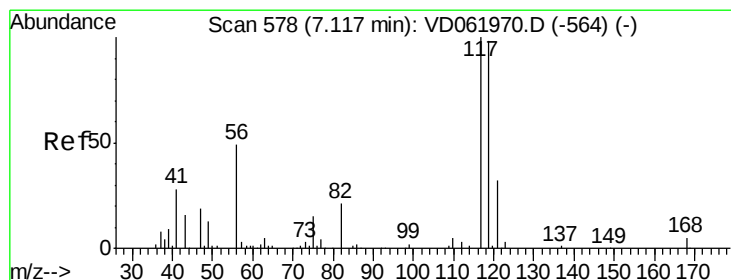
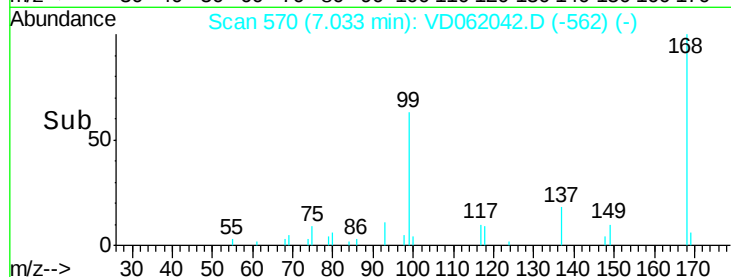
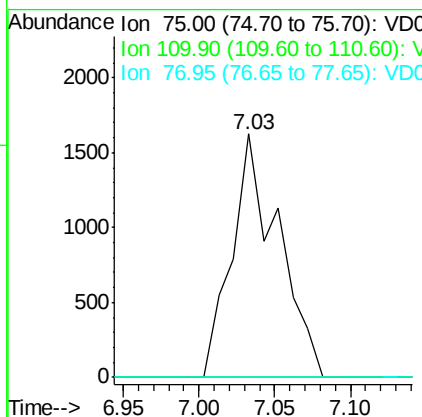
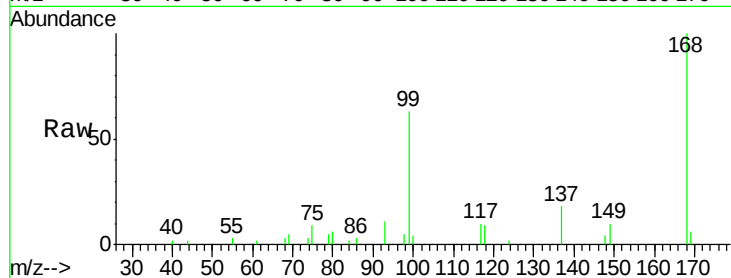




#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD062042.D
 Acq: 25 Apr 2019 16:52

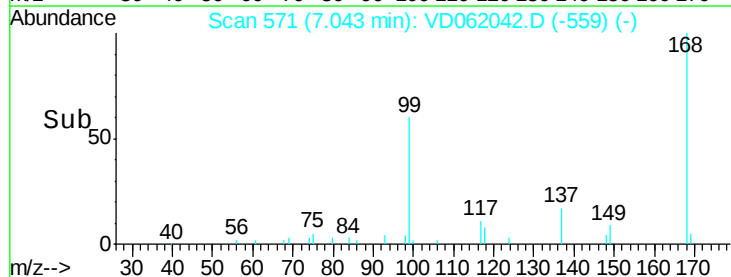
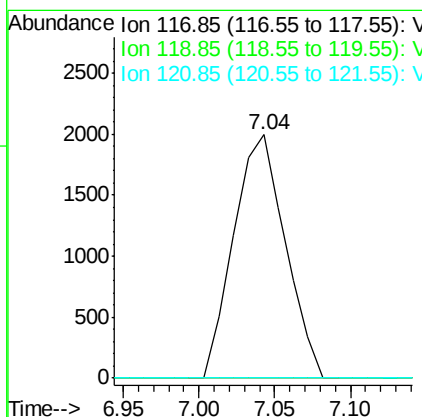
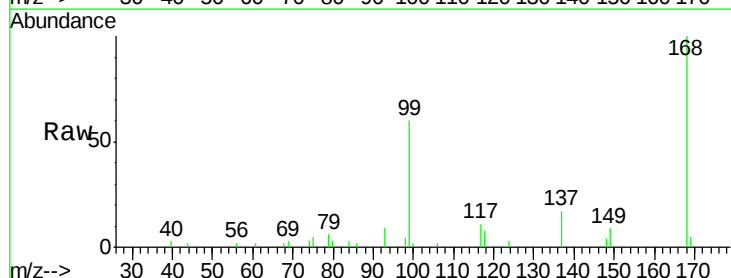
Instrument :
 MSVOA_D
 ClientSampleId :

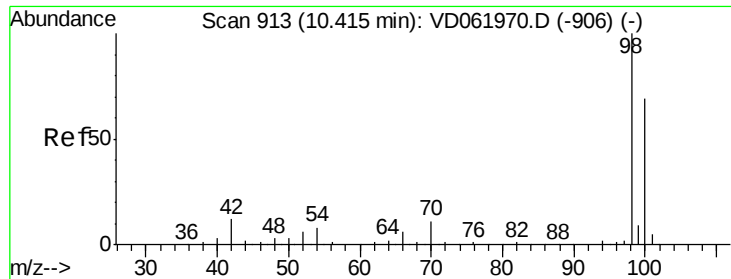
Tot Ion: 75 Resp: 3466
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 5.466 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062042.D
 Acq: 25 Apr 2019 16:52

Tgt Ion: 117 Resp: 4737
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.8 113.8#
 121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 57.138 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

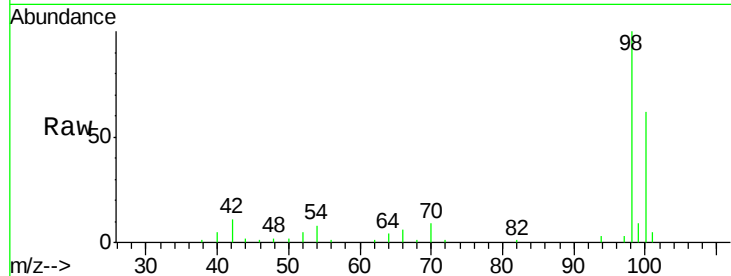
ClientSampleId :

Tot Ion: 98 Resp: 82541

Ion Ratio Lower Upper

98 100

100 62.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.41

40000

30000

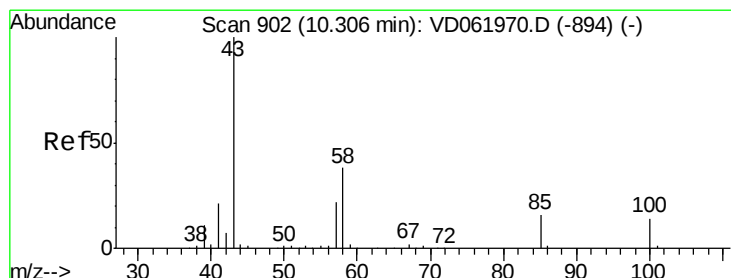
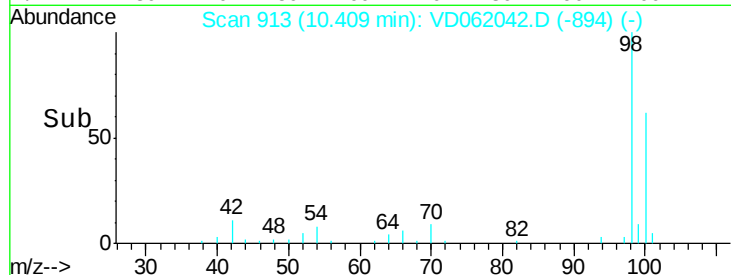
20000

10000

0

Time-->

10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 2.765 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062042.D

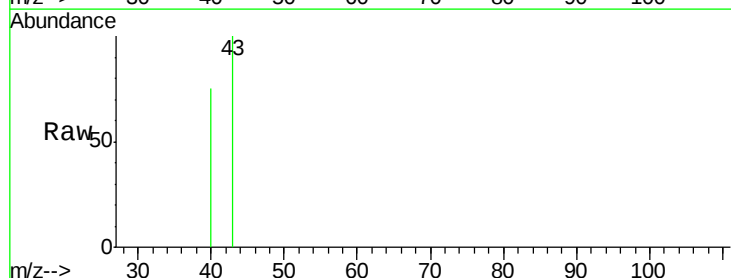
Acq: 25 Apr 2019 16:52

Tgt Ion: 43 Resp: 720

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

10.29

500

400

300

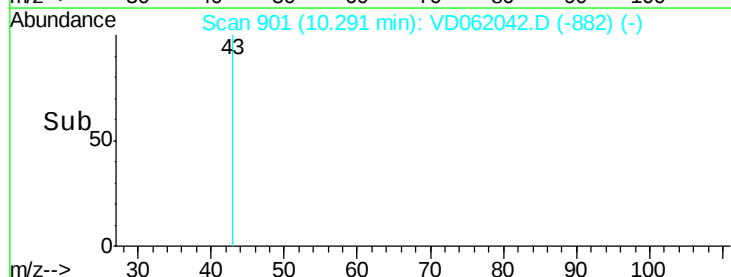
200

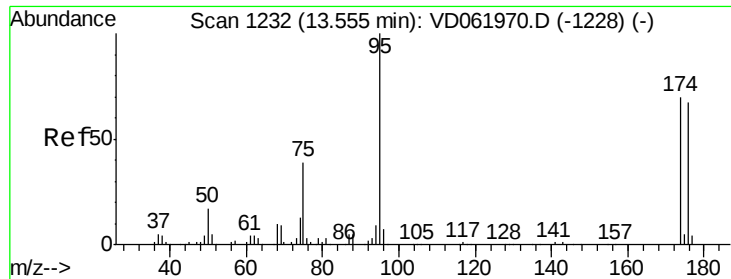
100

0

Time-->

10.25 10.30

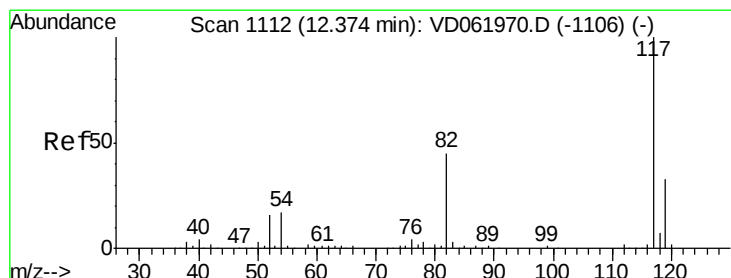
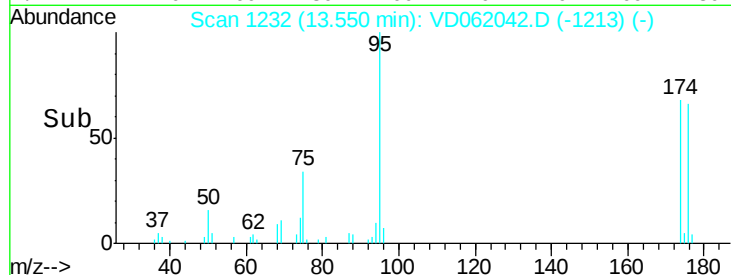
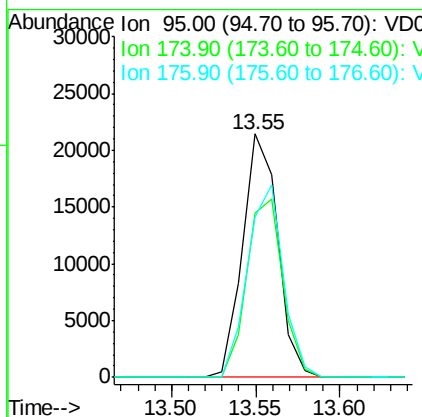
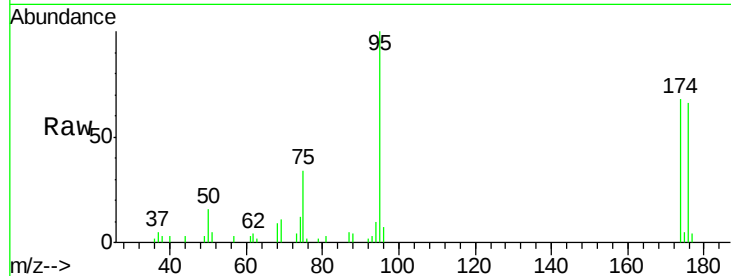




#62
 4-Bromofluorobenzene
 Concen: 53.432 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062042.D
 Acq: 25 Apr 2019 16:52

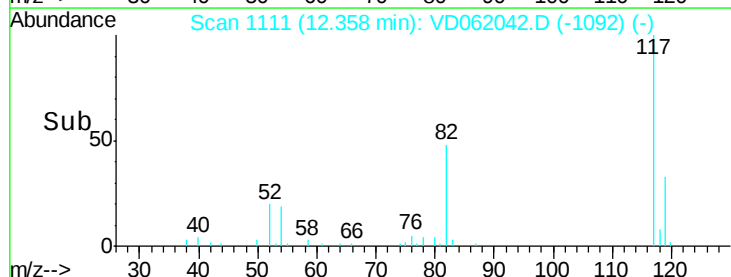
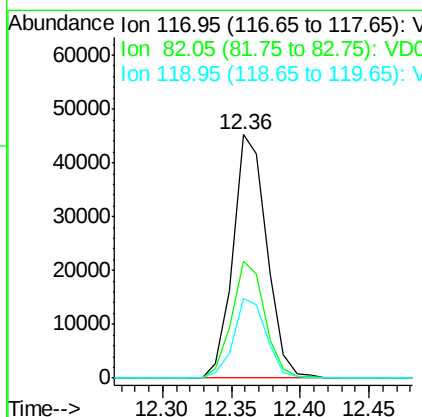
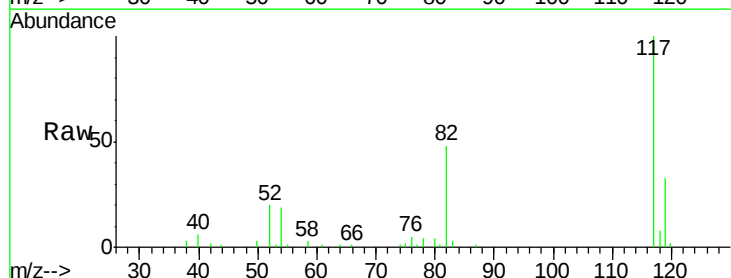
Instrument :
 MSVOA_D
 ClientSampled :

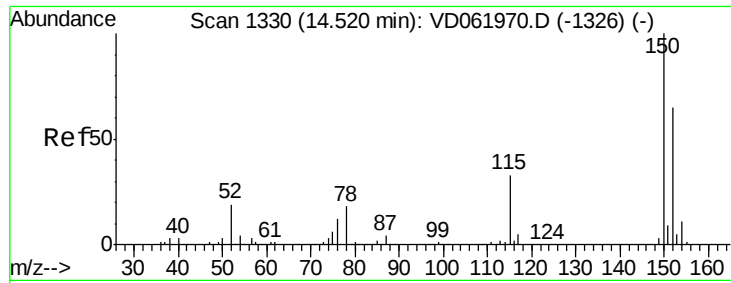
Tot Ion: 95 Resp: 30959
 Ion Ratio Lower Upper
 95 100
 174 67.6 0.0 181.8
 176 65.9 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VD062042.D
 Acq: 25 Apr 2019 16:52

Tgt Ion: 117 Resp: 77093
 Ion Ratio Lower Upper
 117 100
 82 48.1 36.2 54.2
 119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

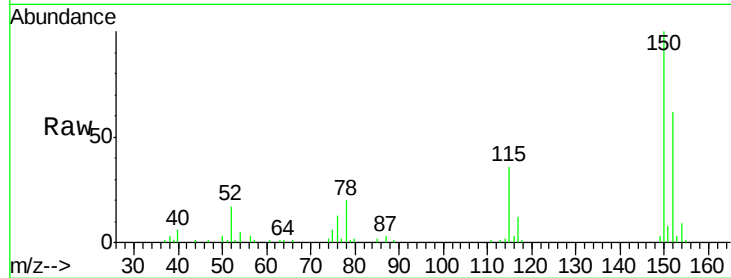
Tot Ion:152 Resp: 30841

Ion Ratio Lower Upper

152 100

115 57.8 30.9 92.7

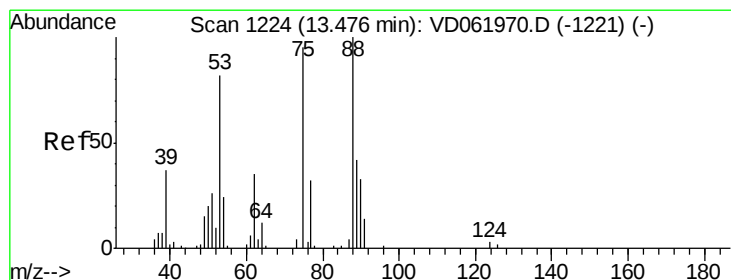
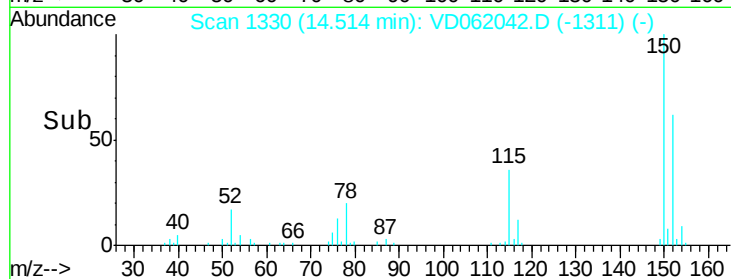
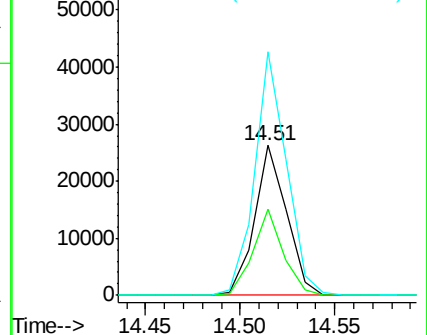
150 162.5 0.0 314.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 91.110 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062042.D

Acq: 25 Apr 2019 16:52

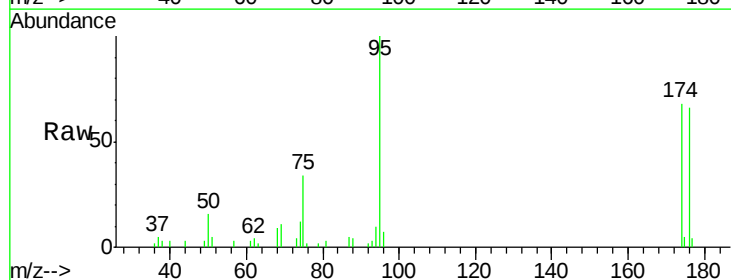
Tgt Ion: 75 Resp: 10813

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

