

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062008.D
 Acq On : 24 Apr 2019 20:21
 Operator : VA/AP
 Sample : K2532-14
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 01:36:34 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	7.04	168	403154	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	610359	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	584257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	272558	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	183119	58.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.08%	
35) Dibromofluoromethane	6.92	113	265075	62.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	125.60%	
50) Toluene-d8	10.41	98	571698	56.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.84%	
62) 4-Bromofluorobenzene	13.56	95	239331	59.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.82%	

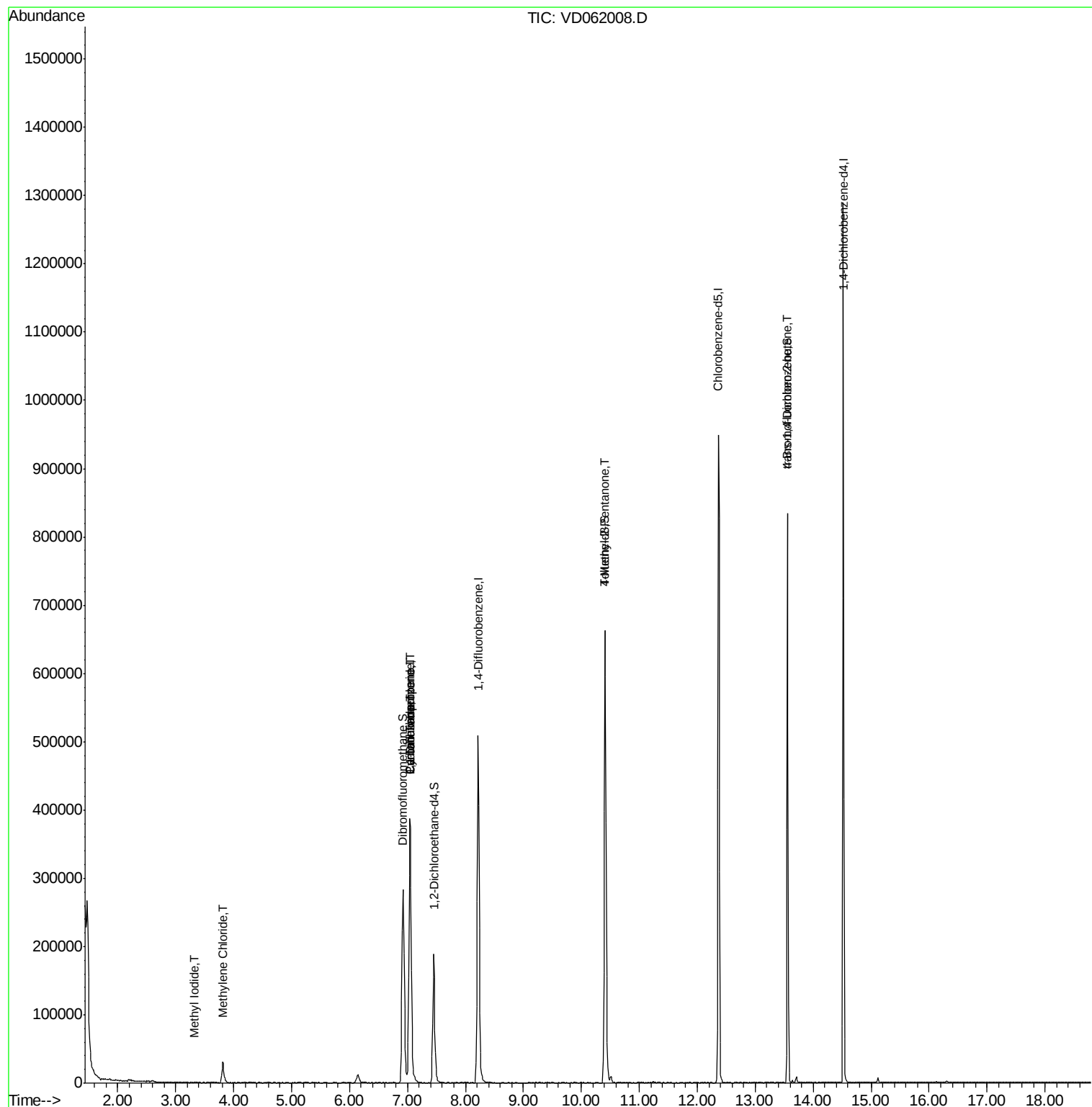
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	399	Below Cal	#	12
10) Methyl Iodide	3.33	142	179	5.455	ug/l #	37
20) Methylene Chloride	3.81	84	20765	2.641	ug/l	96
31) Cyclohexane	7.04	56	6535	1.390	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29546	6.213	ug/l #	47
38) Carbon Tetrachloride	7.05	117	38551	6.398	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2709	1.496	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	96284	91.800	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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

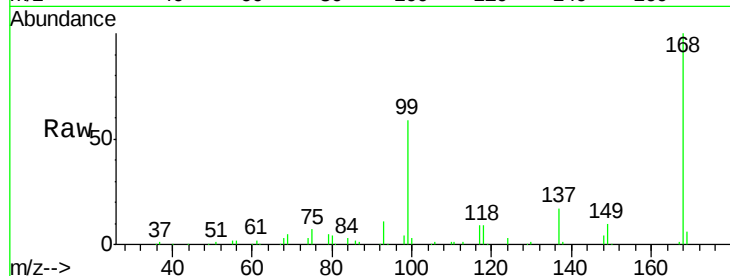
ClientSampleId :

Tot Ion:168 Resp: 403154

Ion Ratio Lower Upper

168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

150000

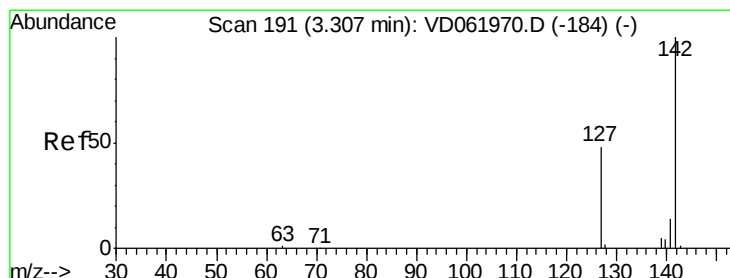
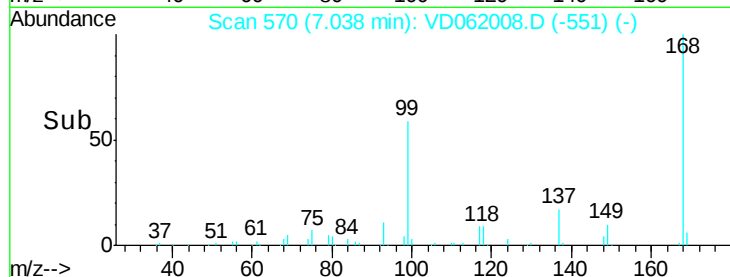
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#10

Methyl Iodide

Concen: 5.455 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

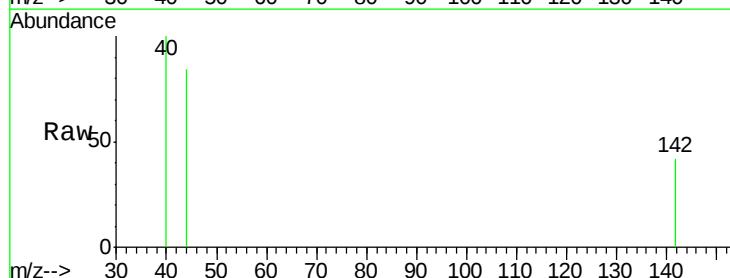
Tgt Ion:142 Resp: 179

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.33

400

300

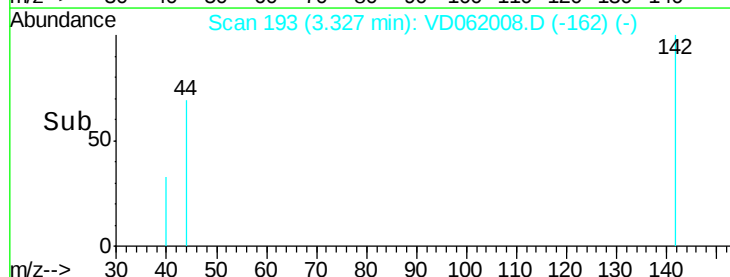
200

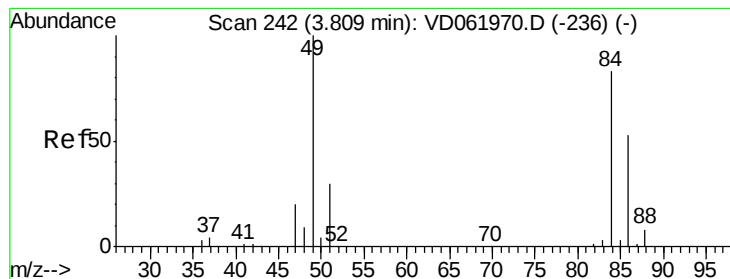
100

0

3.30 3.32 3.34 3.36

Time-->





#20

Methylene Chloride

Concen: 2.641 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 20765

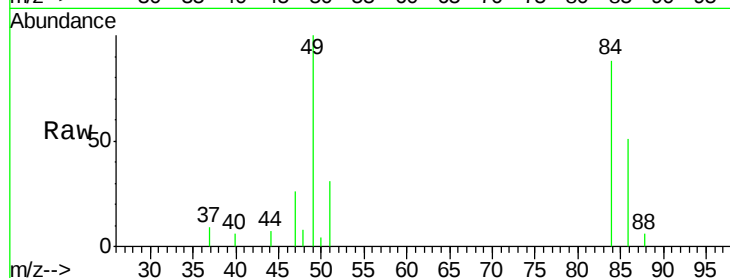
Ion Ratio Lower Upper

84 100

49 113.1 94.0 141.0

51 34.9 29.0 43.4

86 58.1 49.8 74.6

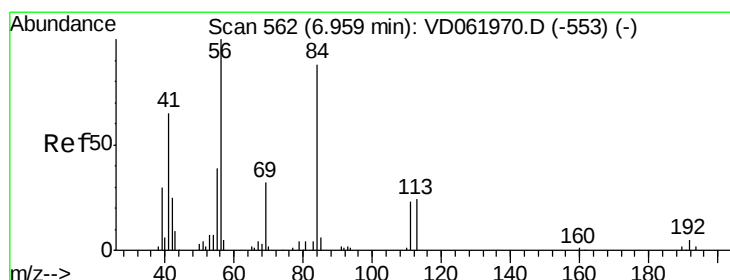
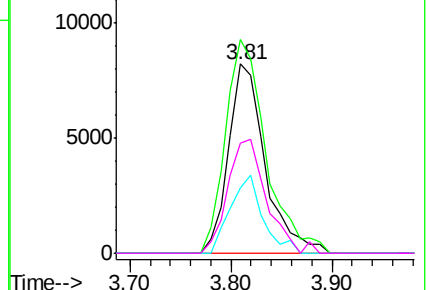
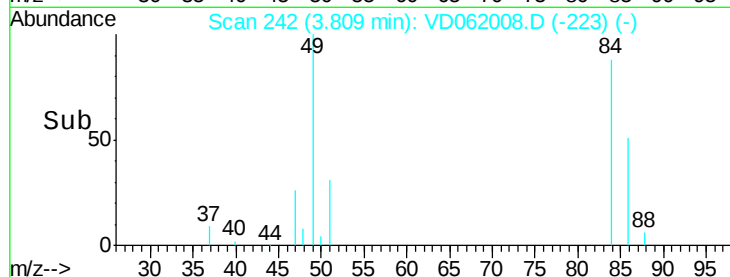


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.390 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

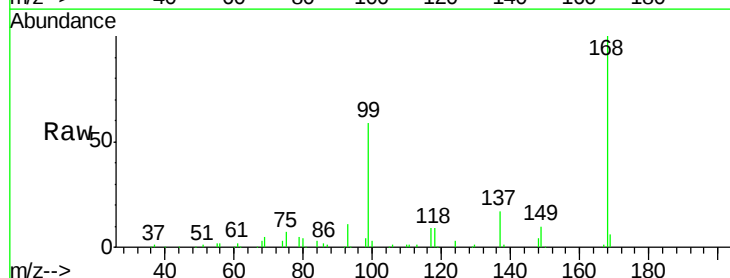
Tgt Ion: 56 Resp: 6535

Ion Ratio Lower Upper

56 100

69 268.5 25.8 38.6#

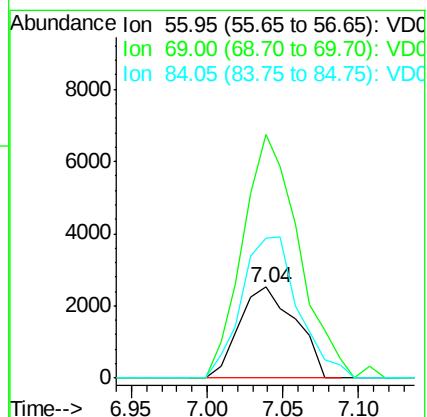
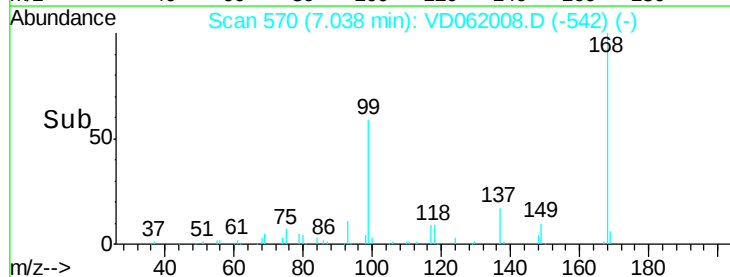
84 154.7 72.2 108.4#

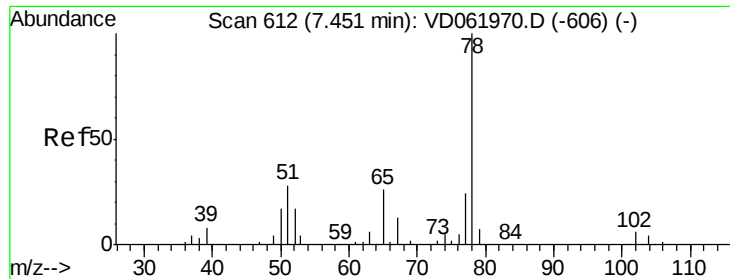


Abundance Ion 55.95 (55.65 to 56.65): VDC

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. -0.00 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

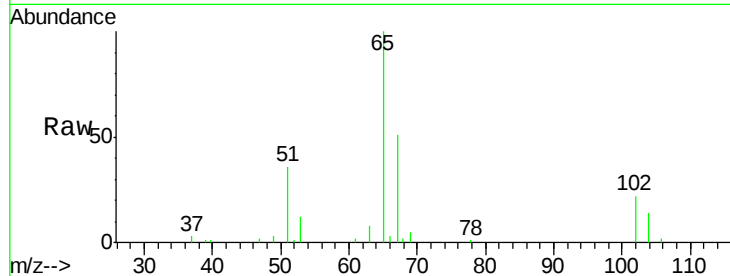
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 183119

Ion Ratio Lower Upper

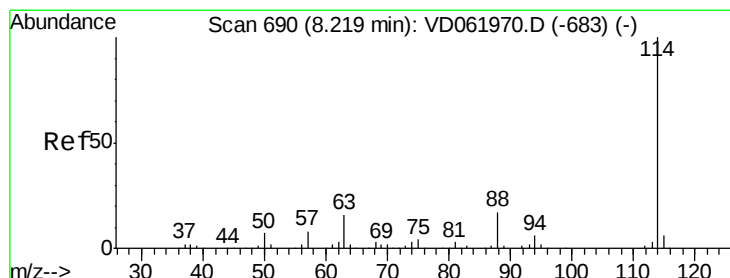
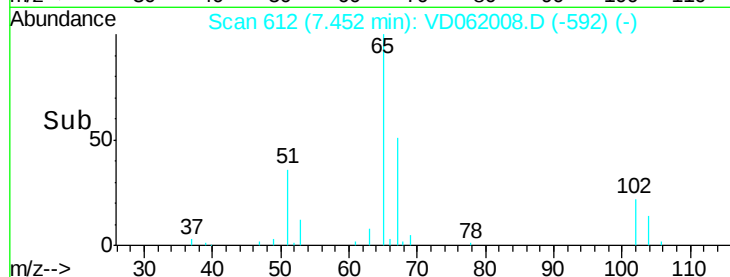
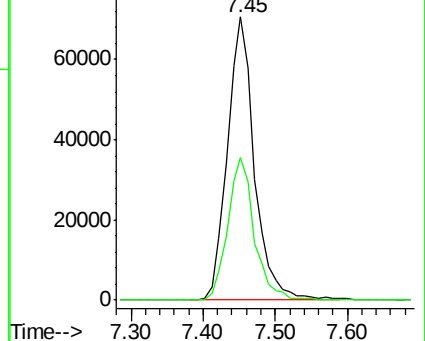
65 100

67 50.6 0.0 98.0



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# 690

Delta R.T. -0.00 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

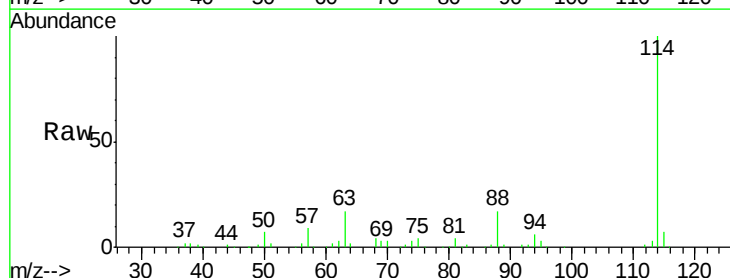
Tgt Ion: 114 Resp: 610359

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

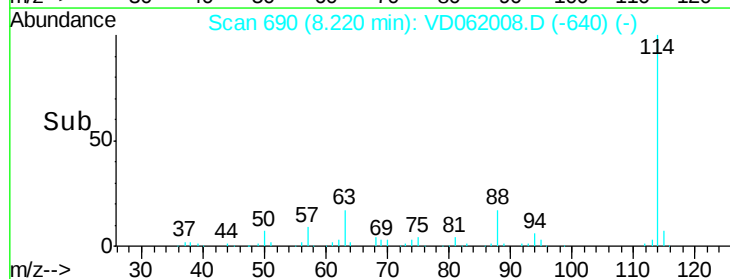
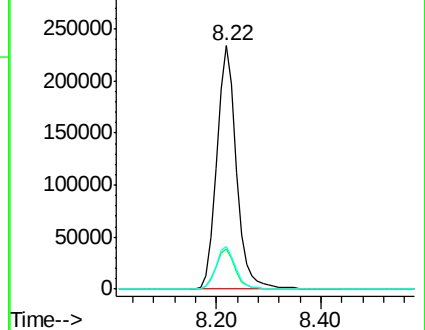
88 17.4 0.0 33.6

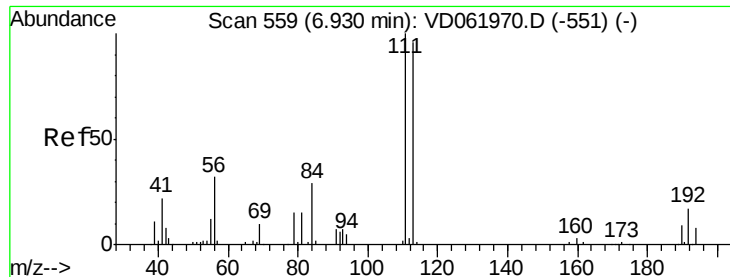


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

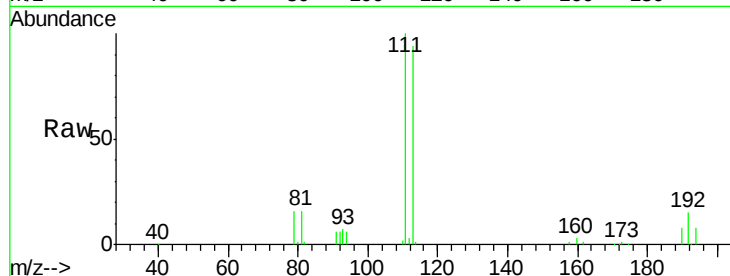
Tot Ion:113 Resp: 265075

Ion Ratio Lower Upper

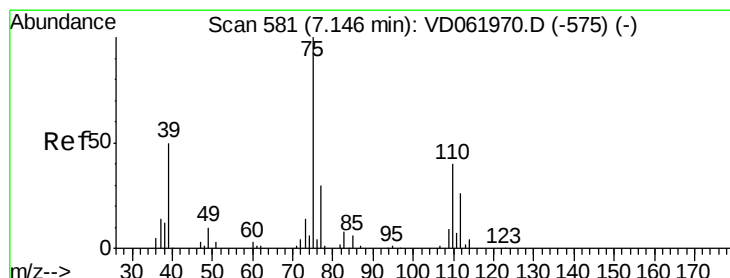
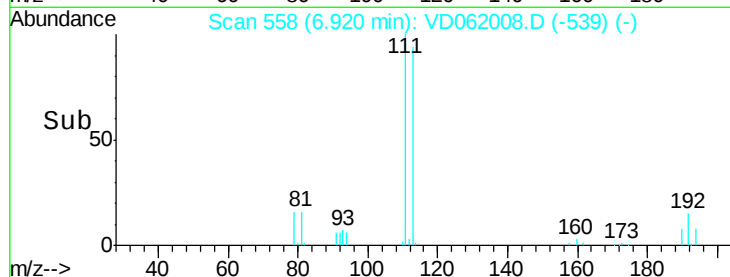
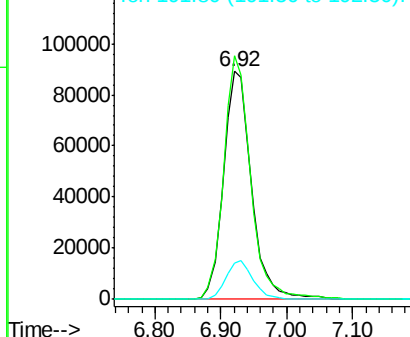
113 100

111 106.8 78.5 117.7

192 15.9 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: 6.213 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

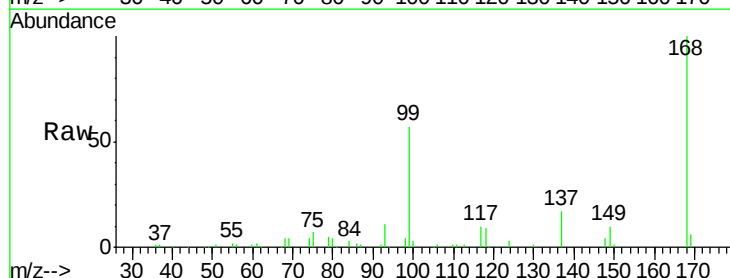
Tgt Ion: 75 Resp: 29546

Ion Ratio Lower Upper

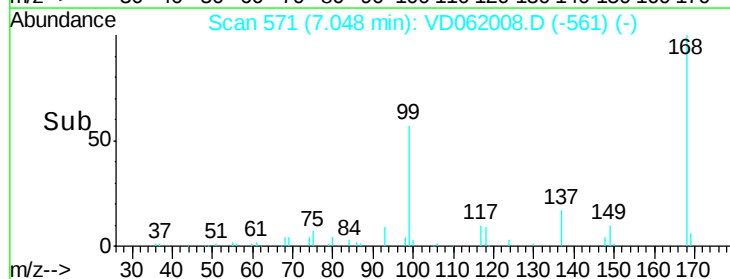
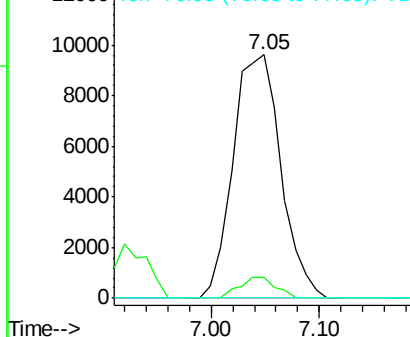
75 100

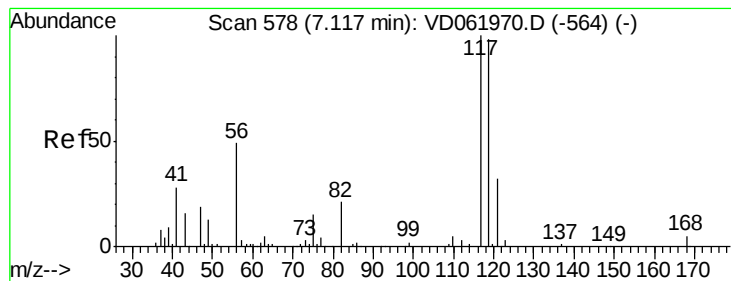
110 8.8 19.1 57.1#

77 0.0 25.6 38.4#



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: 6.398 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

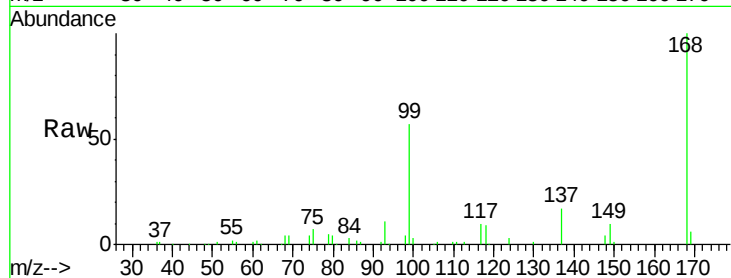
Tot Ion:117 Resp: 38551

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

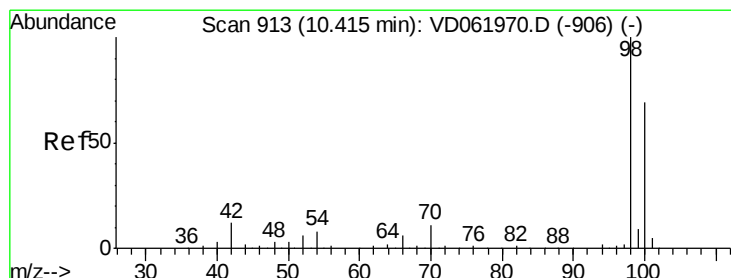
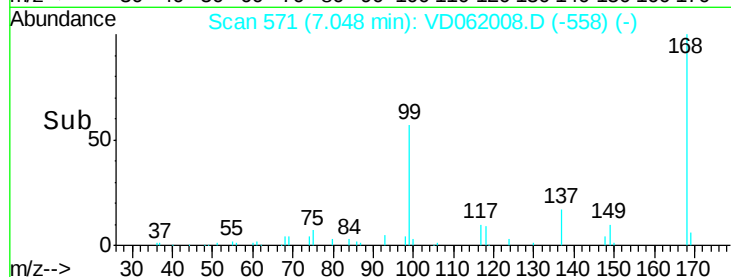
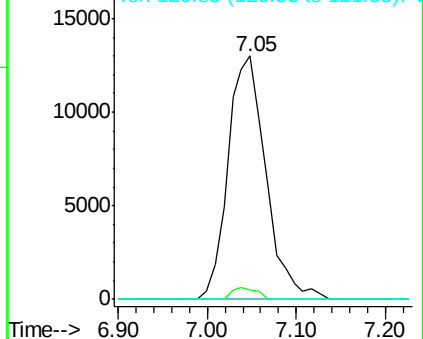
121 0.0 25.9 38.9#



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# 912

Delta R.T. -0.01 min

Lab File: VD062008.D

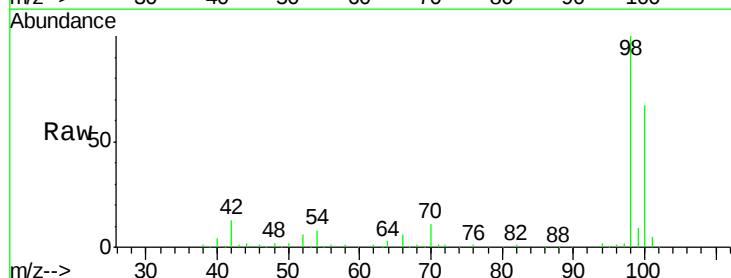
Acq: 24 Apr 2019 20:21

Tgt Ion: 98 Resp: 571698

Ion Ratio Lower Upper

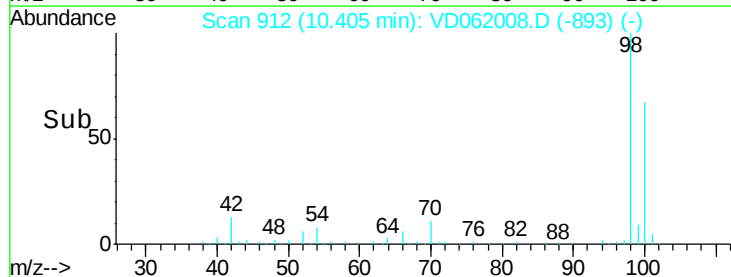
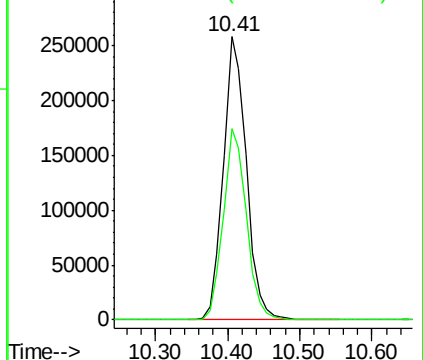
98 100

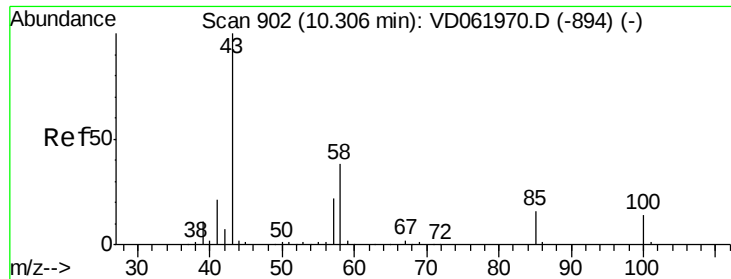
100 67.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.496 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

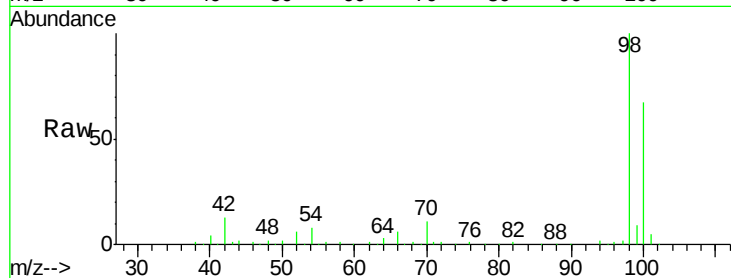
ClientSampled :

Tot Ion: 43 Resp: 2709

Ion Ratio Lower Upper

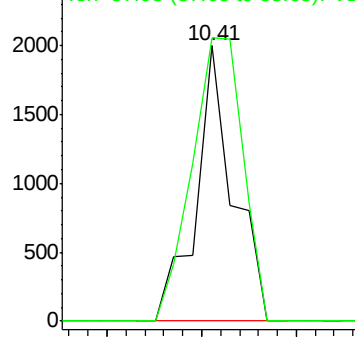
43 100

58 102.8 30.4 45.6#

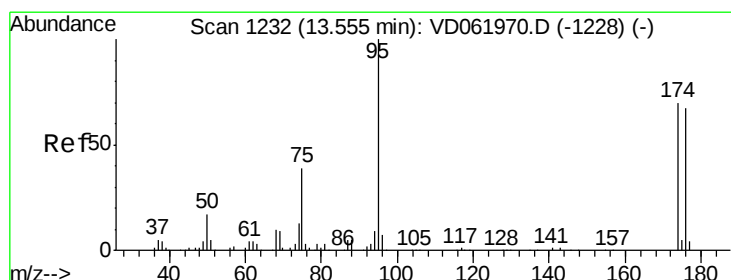
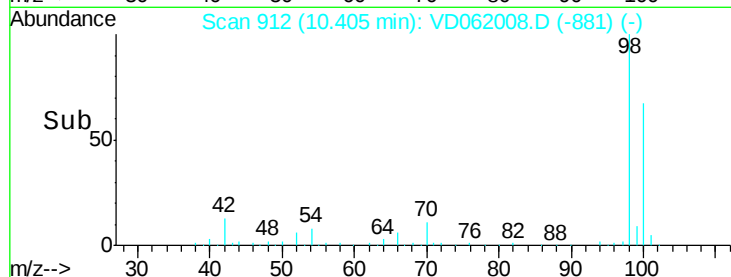


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

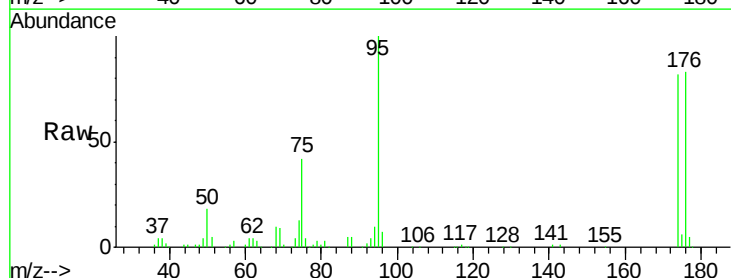
Tgt Ion: 95 Resp: 239331

Ion Ratio Lower Upper

95 100

174 82.2 0.0 181.8

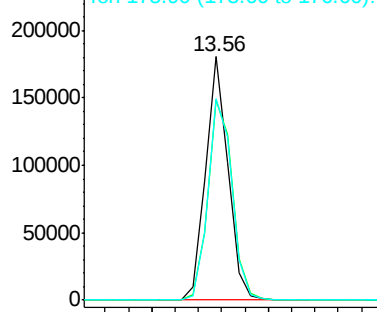
176 82.5 0.0 174.4



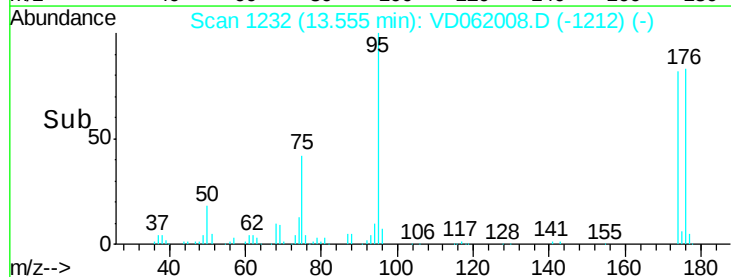
Abundance Ion 95.00 (94.70 to 95.70): VDC

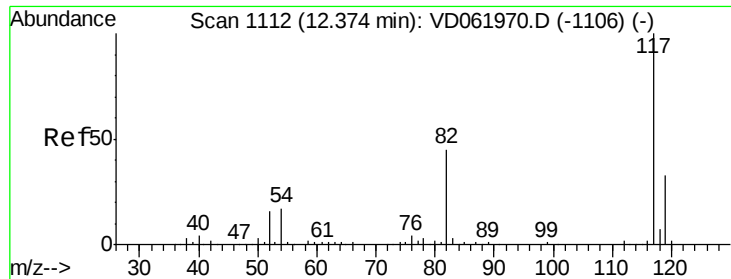
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

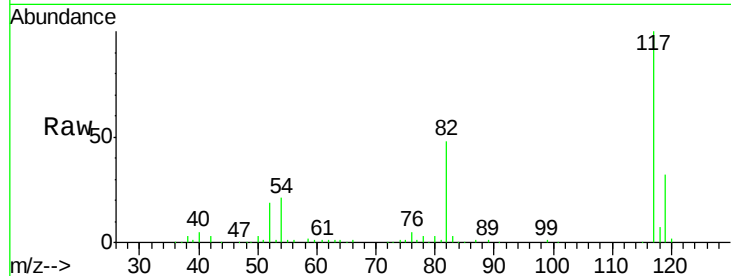




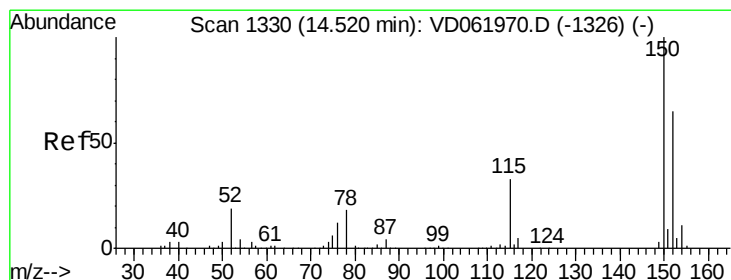
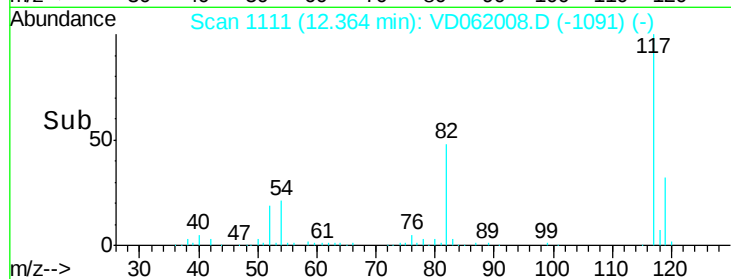
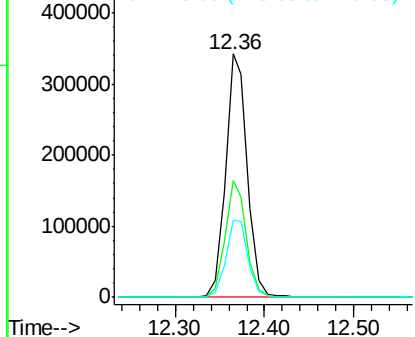
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062008.D
Acq: 24 Apr 2019 20:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 584257
Ion Ratio Lower Upper
117 100
82 47.8 36.2 54.2
119 31.6 26.2 39.4

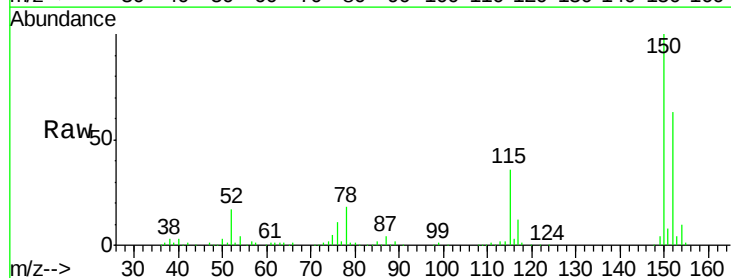


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

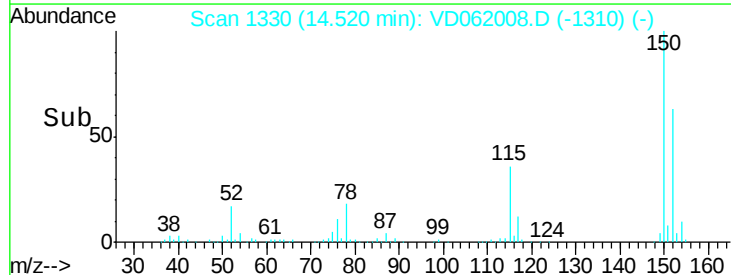
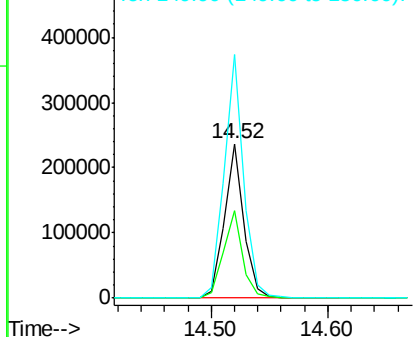


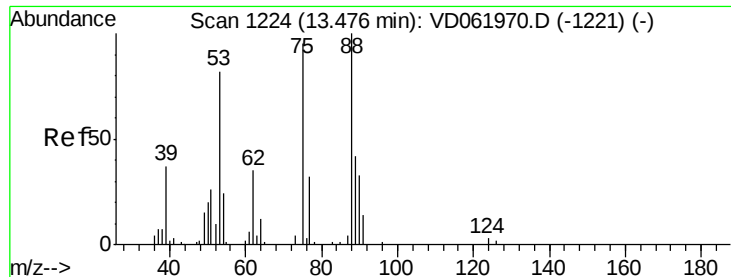
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062008.D
Acq: 24 Apr 2019 20:21

Tgt Ion:152 Resp: 272558
Ion Ratio Lower Upper
152 100
115 56.7 30.9 92.7
150 157.9 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: 91.800 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062008.D

Acq: 24 Apr 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

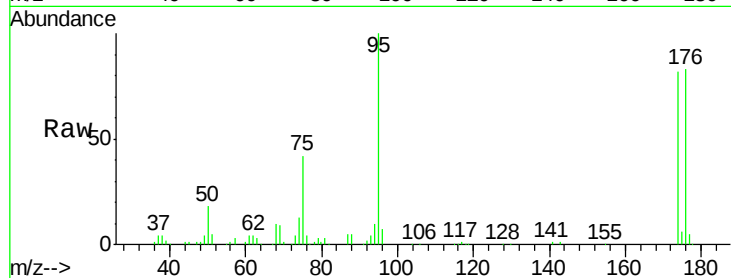
Tot Ion: 75 Resp: 96284

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

