

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062488.D
 Acq On : 21 May 2019 18:25
 Operator : VA/AP
 Sample : K2971-09
 Misc : 5.21g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

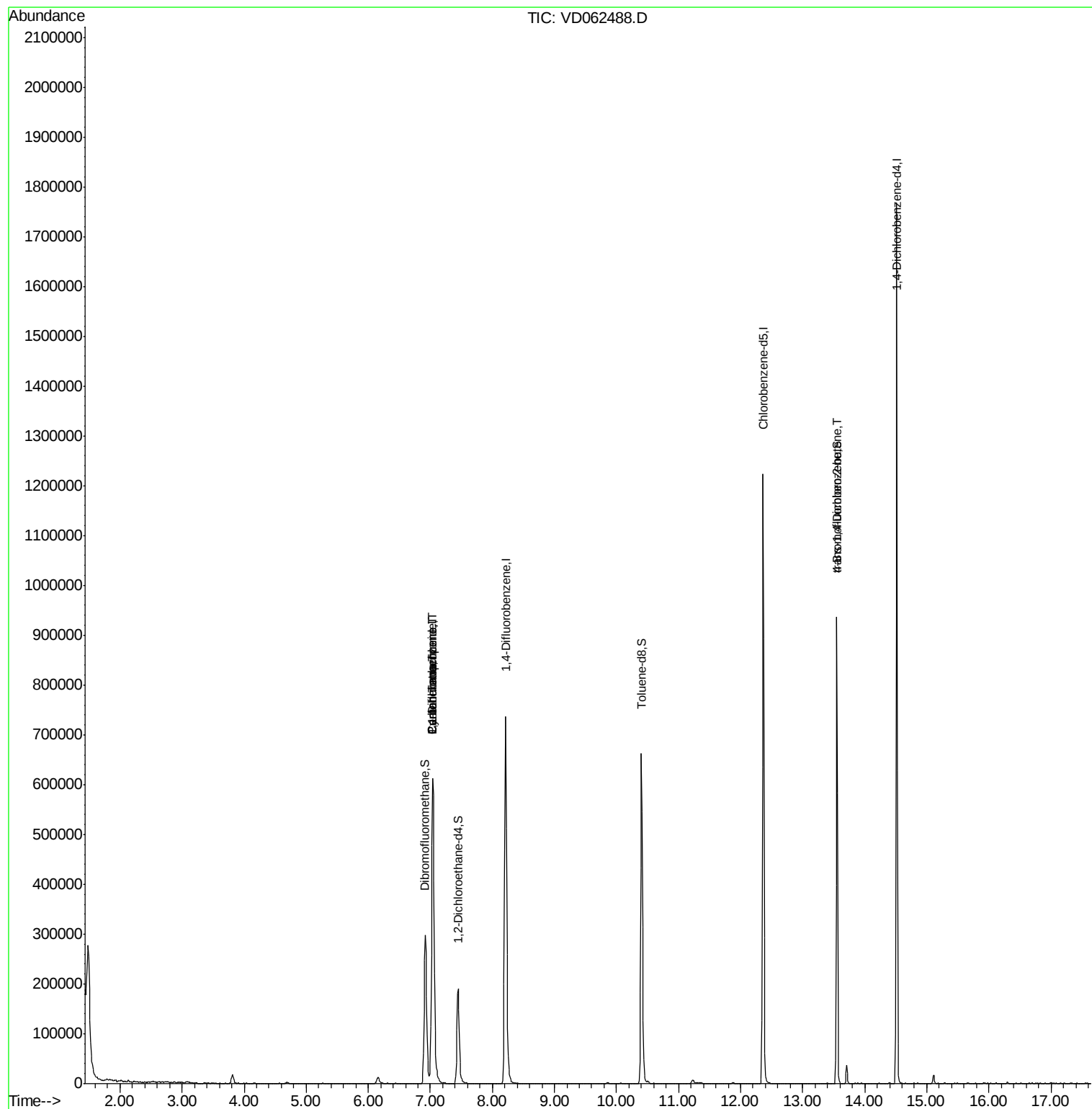
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	604354	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	825077	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	644992	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	361887	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	220090	34.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	68.04%	
35) Dibromofluoromethane	6.92	113	267756	35.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.94%	
50) Toluene-d8	10.40	98	534232	32.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	65.60%	
62) 4-Bromofluorobenzene	13.55	95	256391	35.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.96%	
Target Compounds						
2) Dichlorodifluoromethane	1.58	85	633	Below Cal	#	42
20) Methylene Chloride	3.82	84	12338	Below Cal	#	79
31) Cyclohexane	7.04	56	13820	2.263	ug/l #	18
36) 1,1-Dichloropropene	7.04	75	45399	5.755	ug/l #	46
38) Carbon Tetrachloride	7.04	117	61064	5.209	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	110024	91.521	ug/l #	16

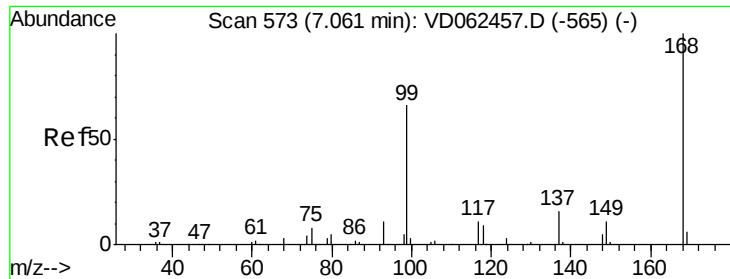
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

Instrument :

MSVOA_D

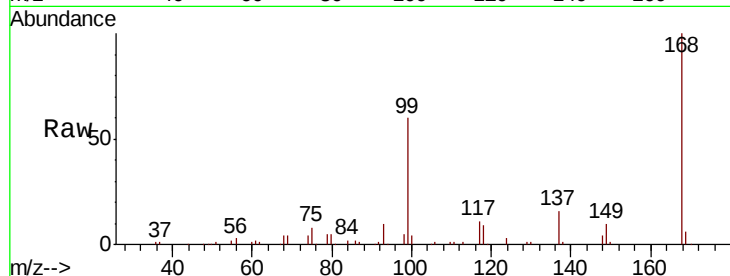
ClientSampleId :

Tot Ion:168 Resp: 604354

Ion Ratio Lower Upper

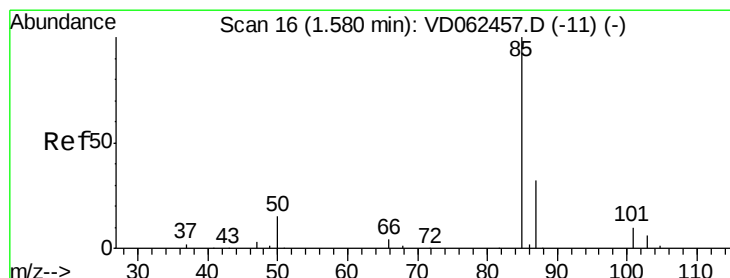
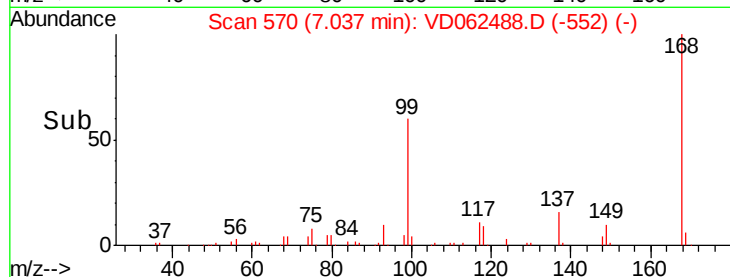
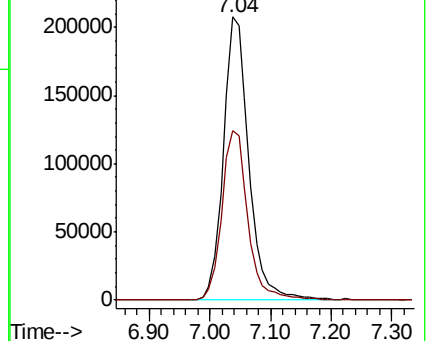
168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062488.D

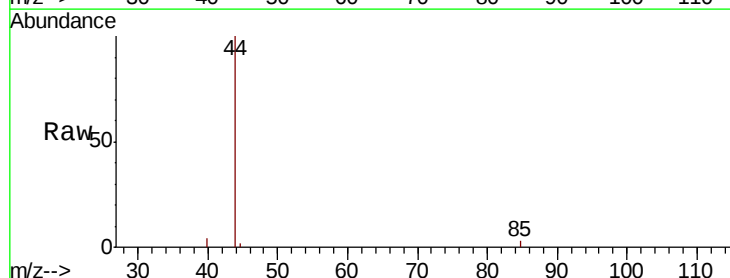
Acq: 21 May 2019 18:25

Tgt Ion: 85 Resp: 633

Ion Ratio Lower Upper

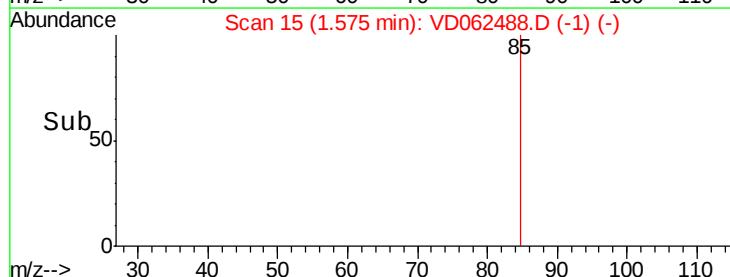
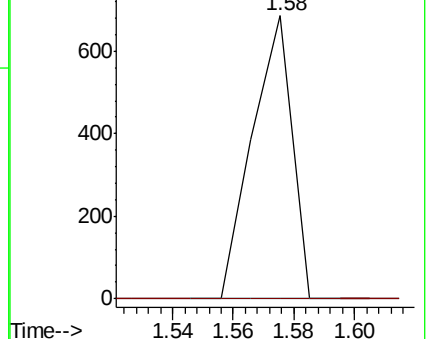
85 100

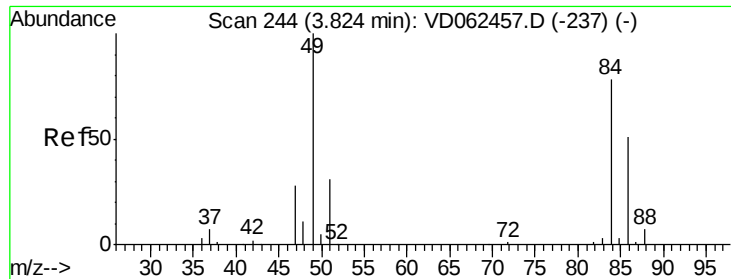
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

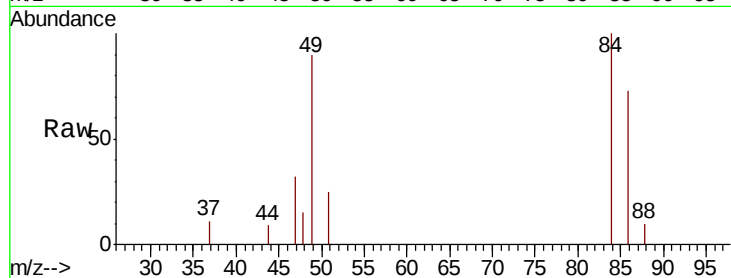




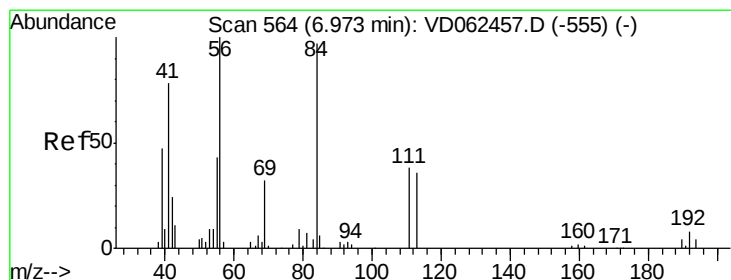
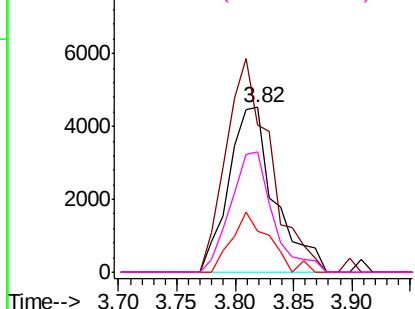
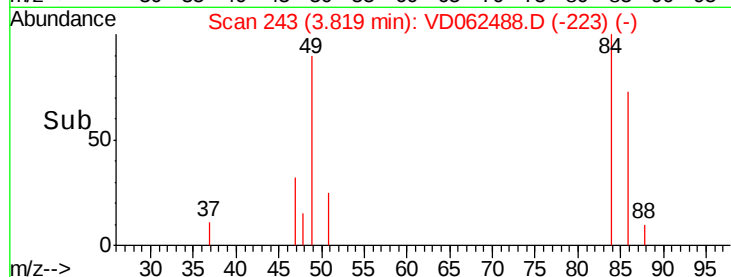
#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 12338
Ion Ratio Lower Upper
84 100
49 89.7 94.0 141.0#
51 24.7 29.0 43.4#
86 73.1 49.8 74.6

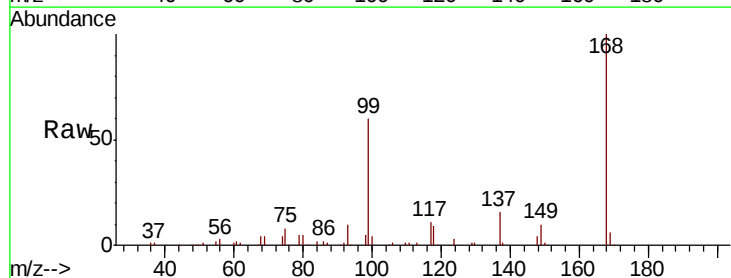


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

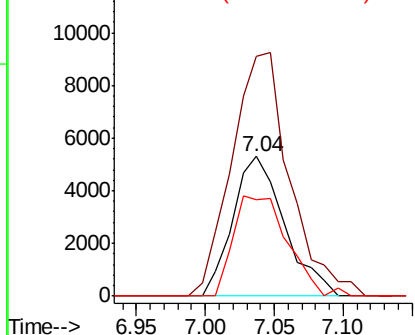
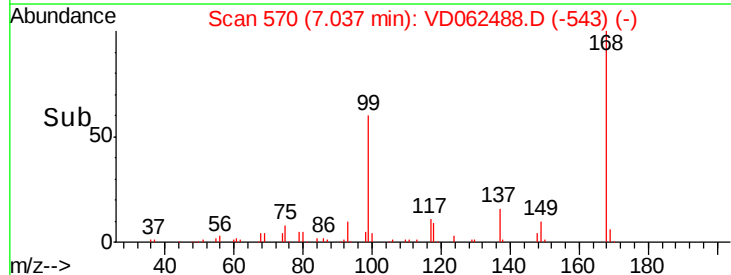


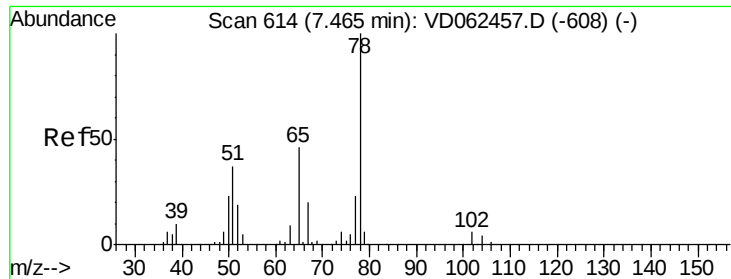
#31
Cyclohexane
Concen: 2.263 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.06 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

Tgt Ion: 56 Resp: 13820
Ion Ratio Lower Upper
56 100
69 172.3 25.8 38.6#
84 69.3 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: 34.021 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

Instrument :

MSVOA_D

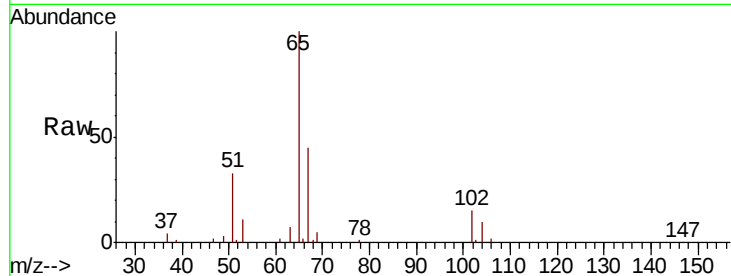
ClientSampled :

Tot Ion: 65 Resp: 220090

Ion Ratio Lower Upper

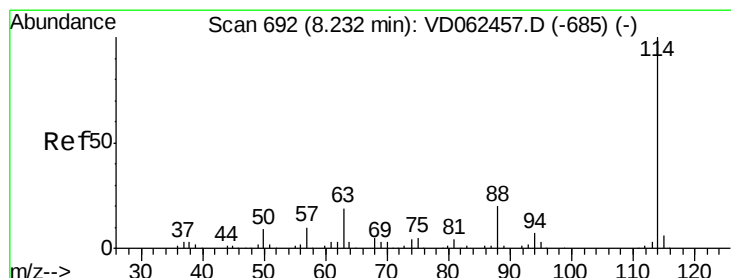
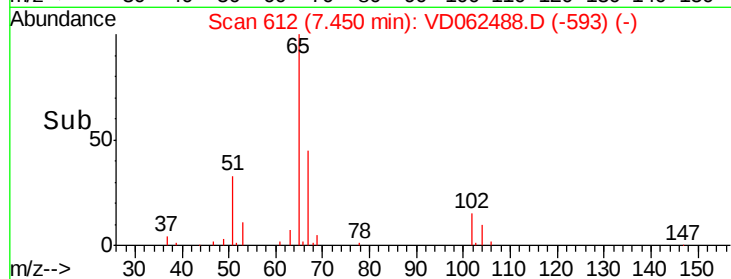
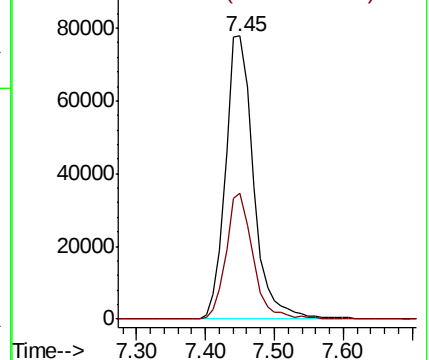
65 100

67 44.6 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. -0.01 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

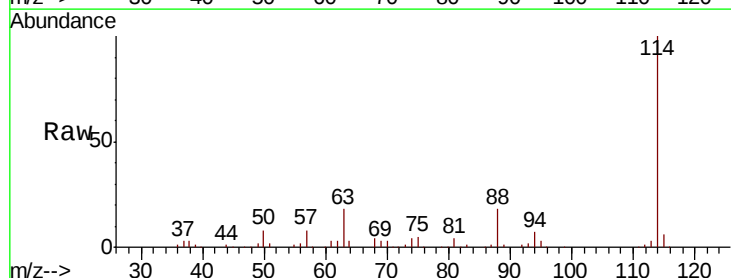
Tgt Ion: 114 Resp: 825077

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

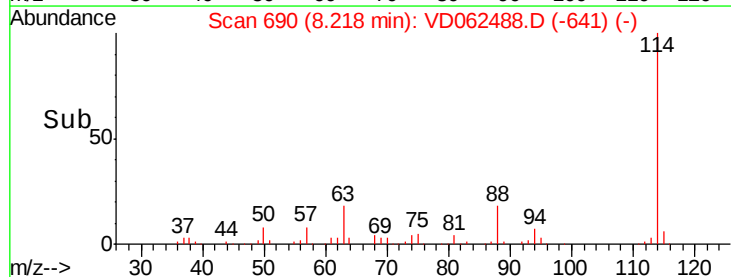
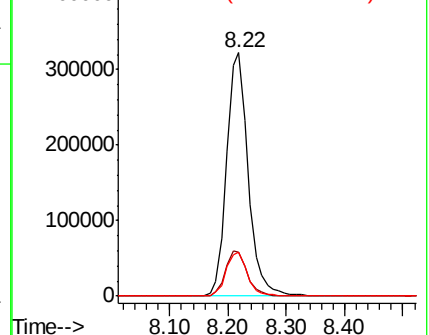
88 18.2 0.0 33.6

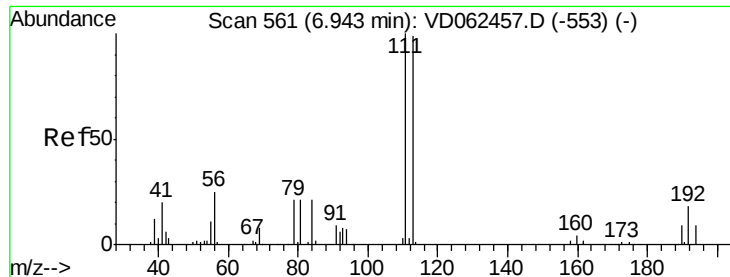


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 35.973 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

Instrument :

MSVOA_D

ClientSampleId :

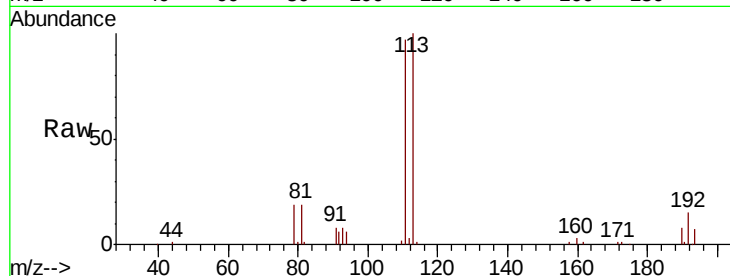
Tot Ion:113 Resp: 267756

Ion Ratio Lower Upper

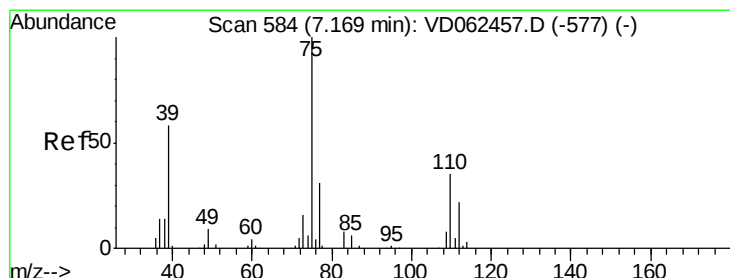
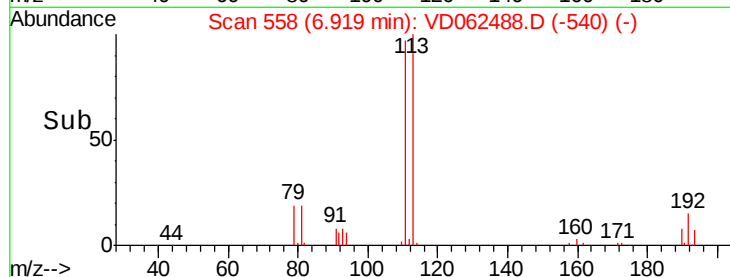
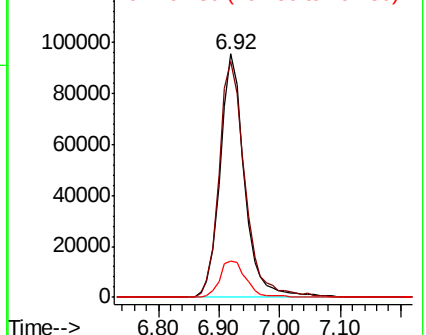
113 100

111 97.0 78.5 117.7

192 15.1 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: 5.755 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

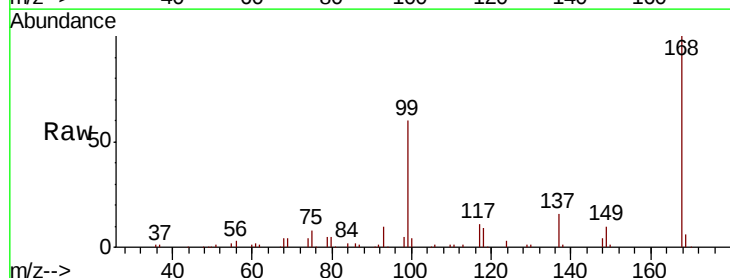
Tgt Ion: 75 Resp: 45399

Ion Ratio Lower Upper

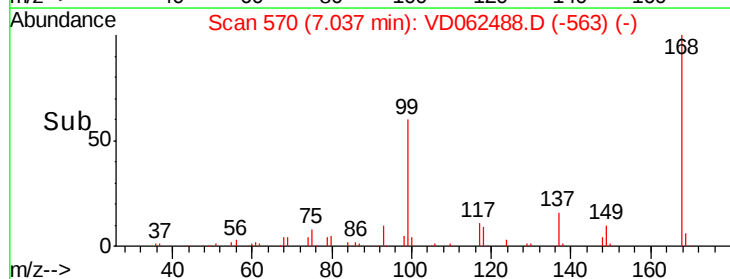
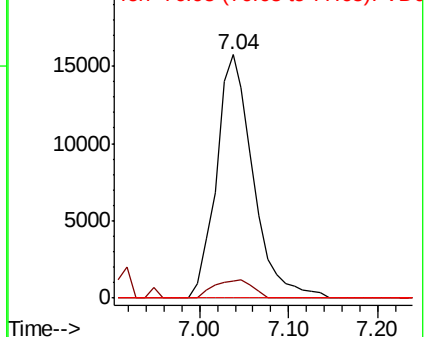
75 100

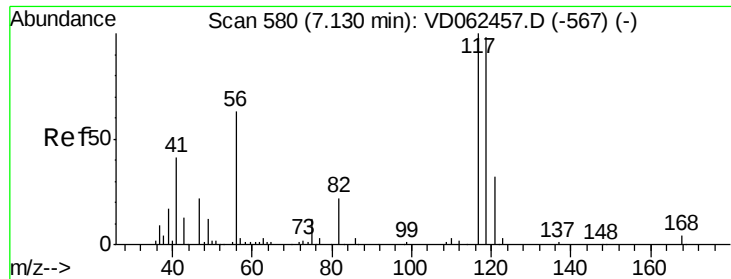
110 7.1 19.1 57.1#

77 0.0 25.6 38.4#



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

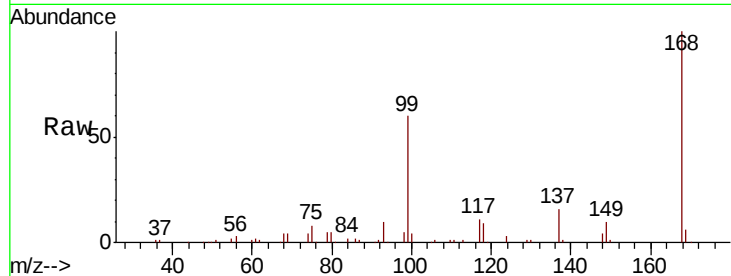




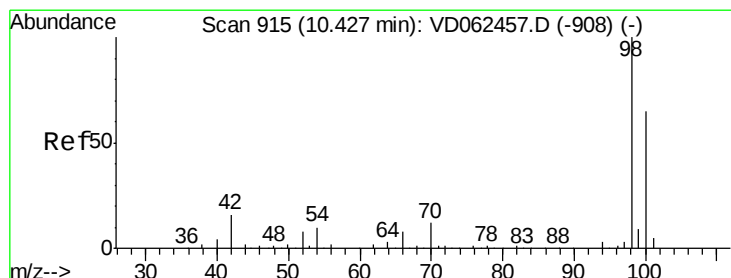
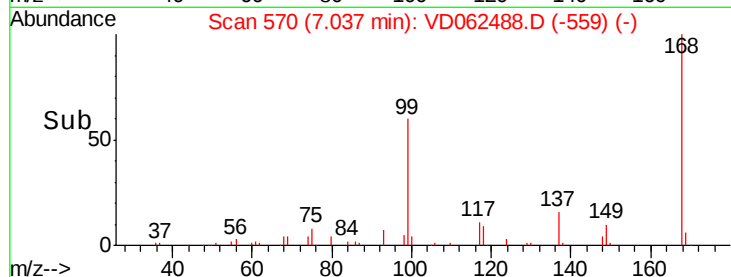
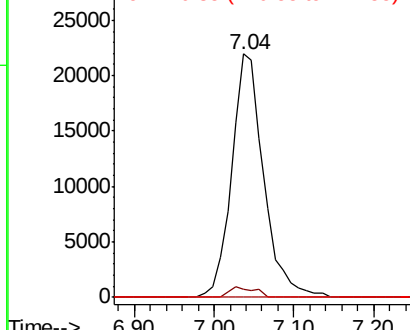
#38
Carbon Tetrachloride
Concen: 5.209 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 61064
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.8#
121 0.0 25.9 38.9#

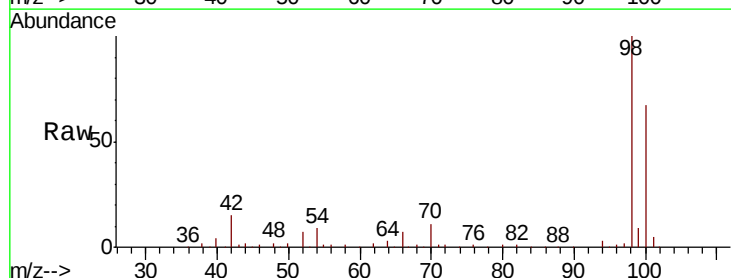


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

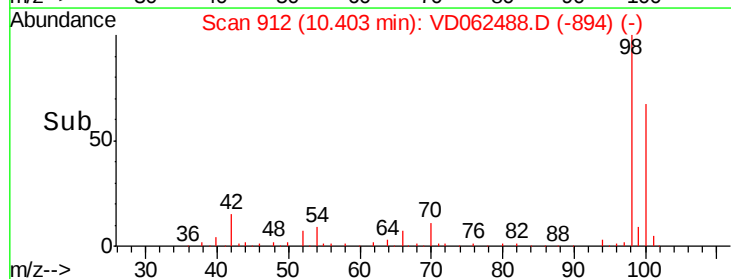
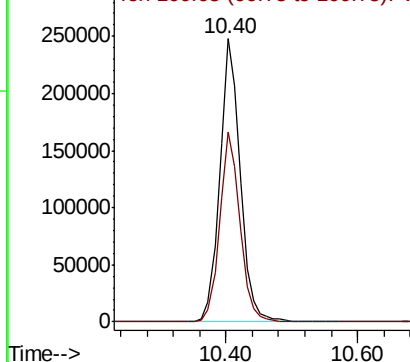


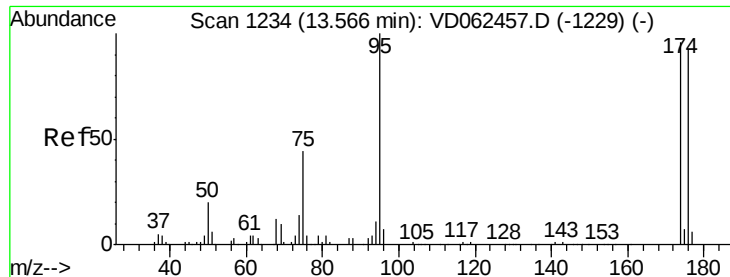
#50
Toluene-d8
Concen: 32.798 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

Tgt Ion: 98 Resp: 534232
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8



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

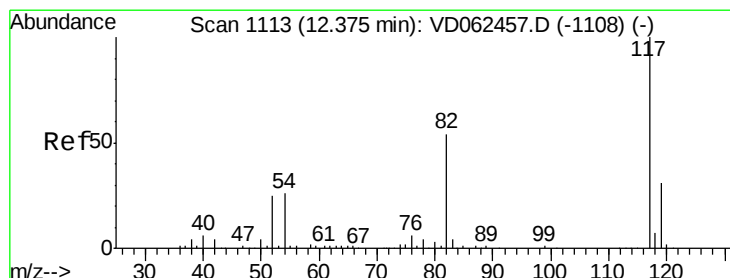
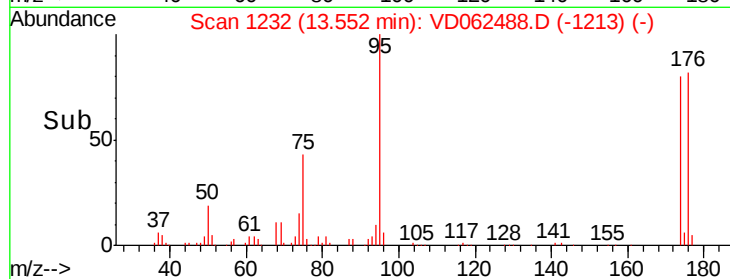
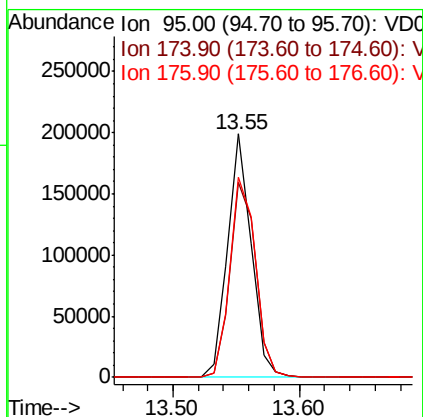
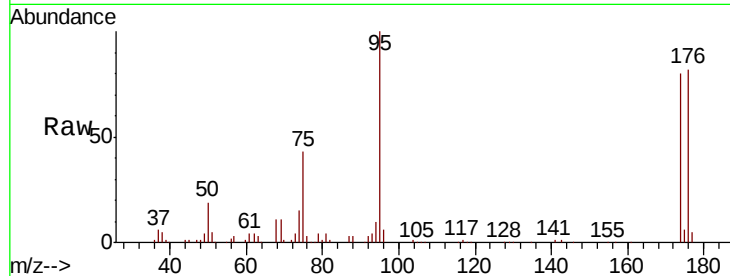




#62
4-Bromofluorobenzene
Concen: 35.984 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

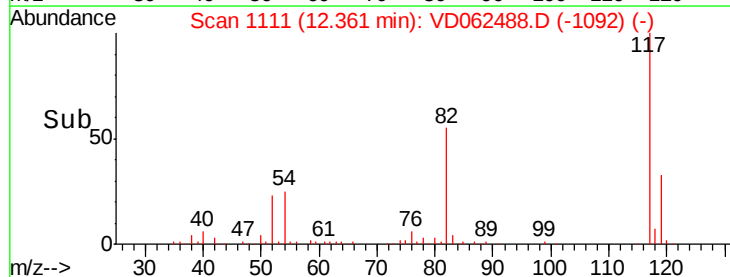
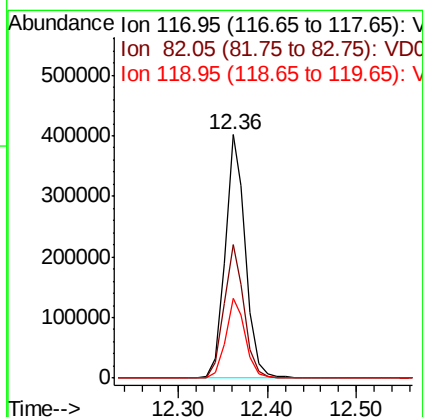
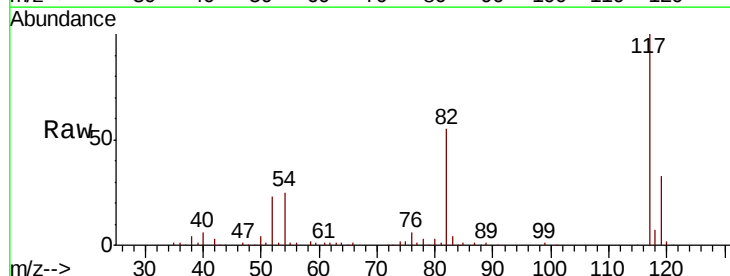
Instrument :
MSVOA_D
ClientSampled :

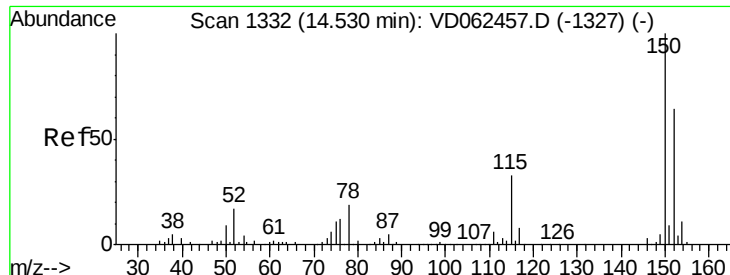
Tot Ion: 95 Resp: 256391
Ion Ratio Lower Upper
95 100
174 80.3 0.0 181.8
176 82.0 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062488.D
Acq: 21 May 2019 18:25

Tgt Ion: 117 Resp: 644992
Ion Ratio Lower Upper
117 100
82 54.9 36.2 54.2#
119 32.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

Instrument :

MSVOA_D

ClientSampled :

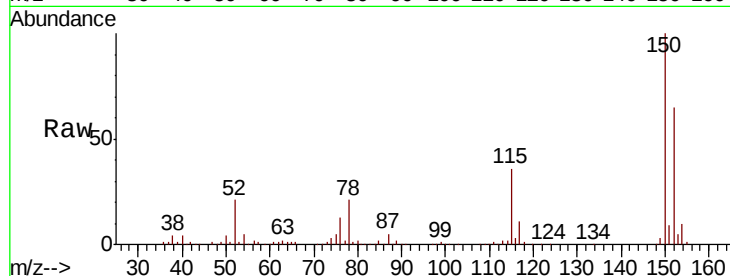
Tot Ion:152 Resp: 361887

Ion Ratio Lower Upper

152 100

115 54.4 30.9 92.7

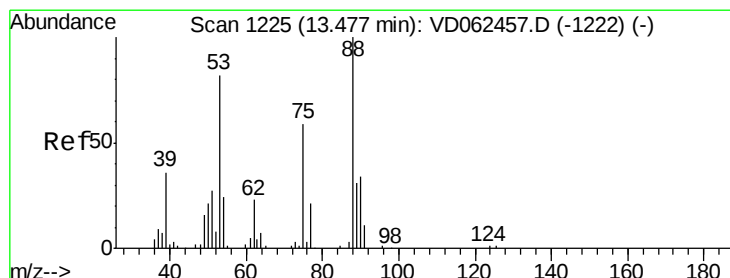
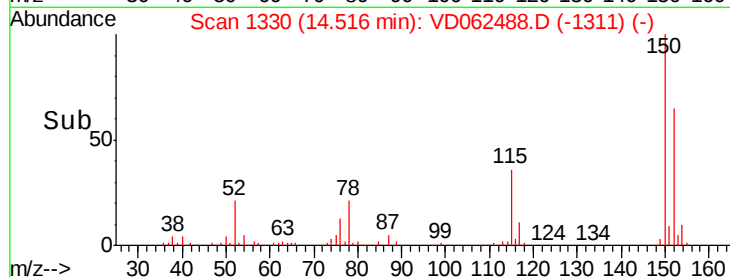
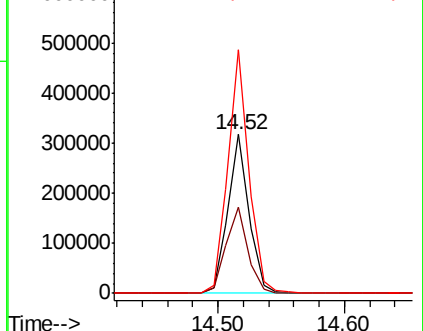
150 153.1 0.0 314.8



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: 91.521 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062488.D

Acq: 21 May 2019 18:25

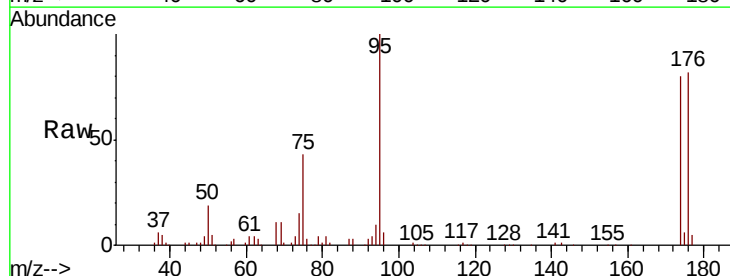
Tgt Ion: 75 Resp: 110024

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

