

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062489.D
 Acq On : 21 May 2019 18:52
 Operator : VA/AP
 Sample : K2971-10
 Misc : 6.41g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:45:32 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

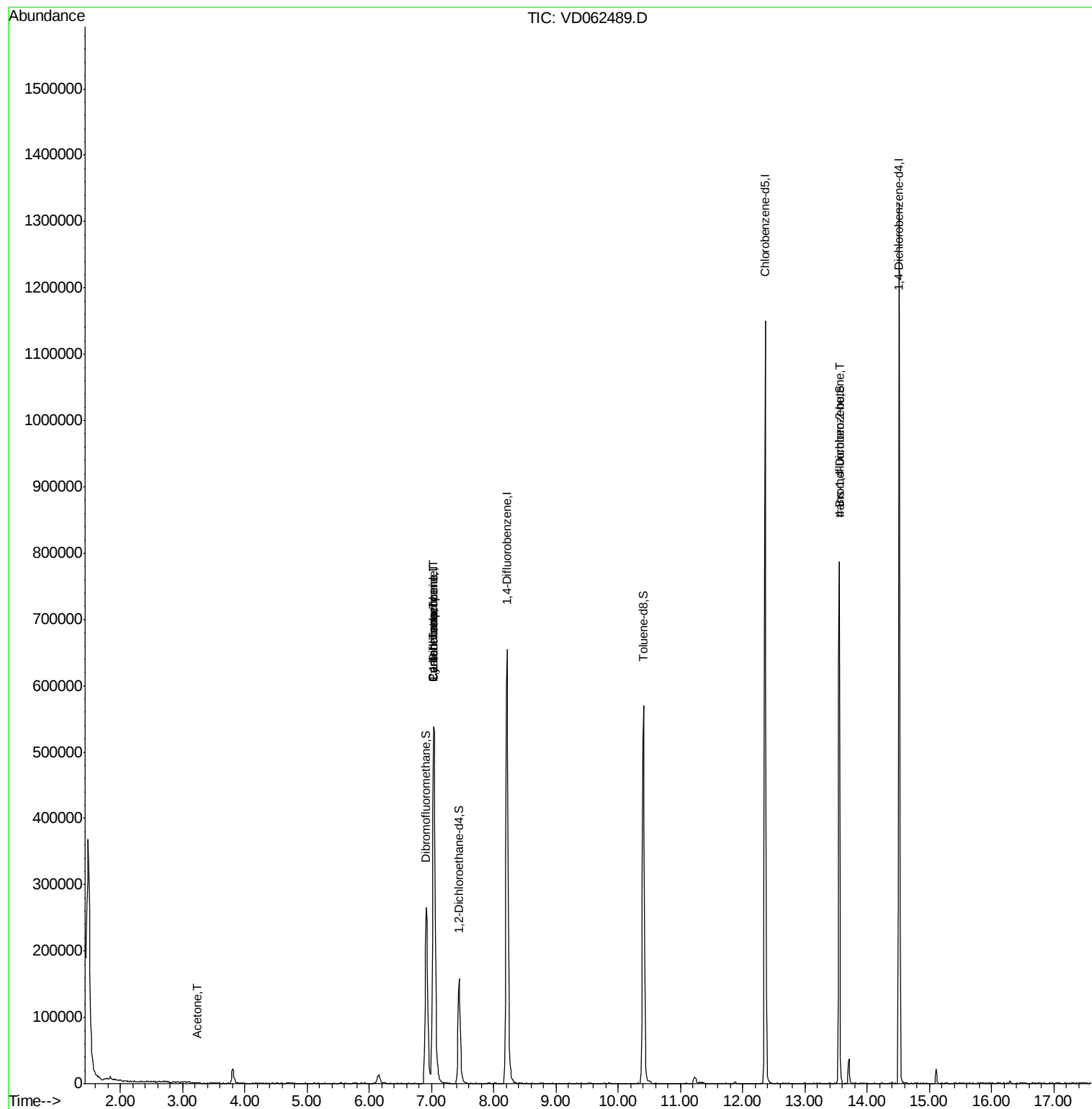
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	542036	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	718765	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	603861	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	321038	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	177246	30.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	61.10%	
35) Dibromofluoromethane	6.91	113	240945	37.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	74.32%	
50) Toluene-d8	10.41	98	480897	33.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	67.78%	
62) 4-Bromofluorobenzene	13.56	95	227488	36.65	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	73.30%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	1695	1.630	ug/l #	50
20) Methylene Chloride	3.80	84	13506	Below Cal	#	88
31) Cyclohexane	7.03	56	10760	1.964	ug/l #	11
36) 1,1-Dichloropropene	7.04	75	40235	5.855	ug/l #	51
38) Carbon Tetrachloride	7.03	117	54689	5.355	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	101396	95.076	ug/l #	16

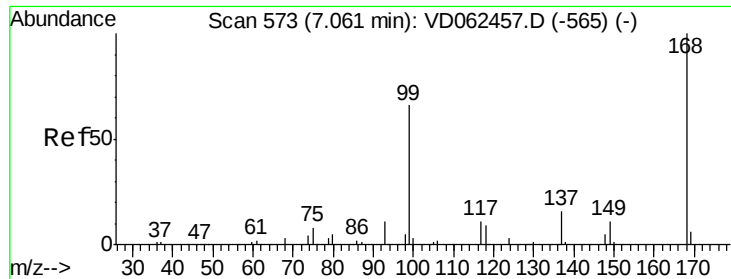
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 571

Delta R.T. -0.02 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

Instrument :

MSVOA_D

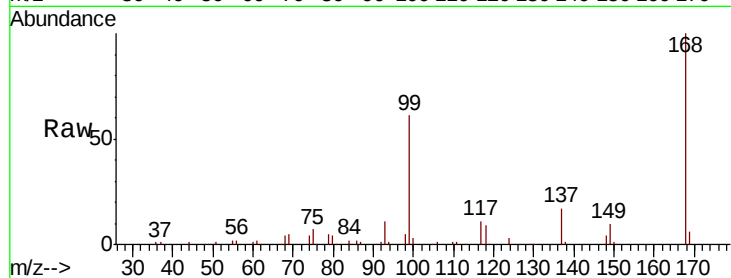
ClientSampled :

Tot Ion:168 Resp: 542036

Ion Ratio Lower Upper

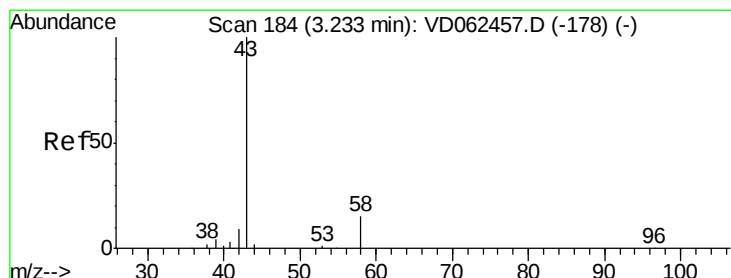
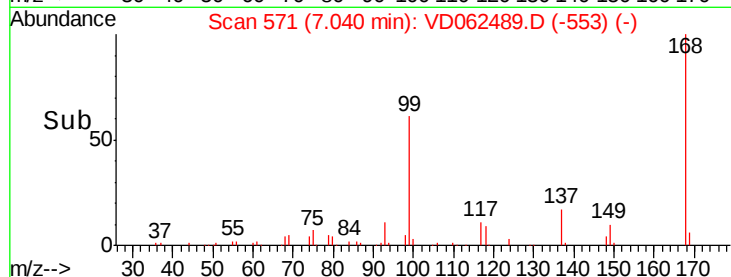
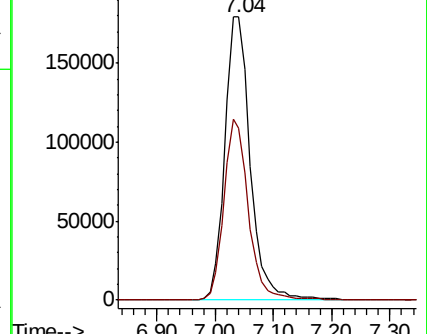
168 100

99 60.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1.630 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062489.D

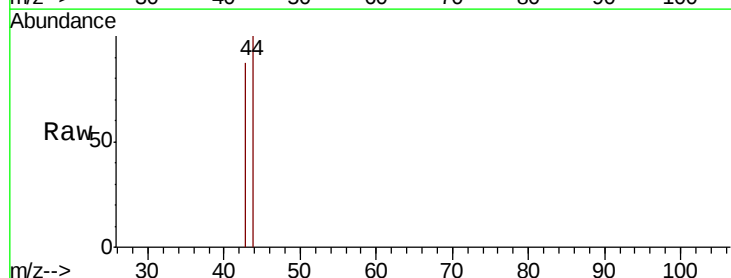
Acq: 21 May 2019 18:52

Tgt Ion: 43 Resp: 1695

Ion Ratio Lower Upper

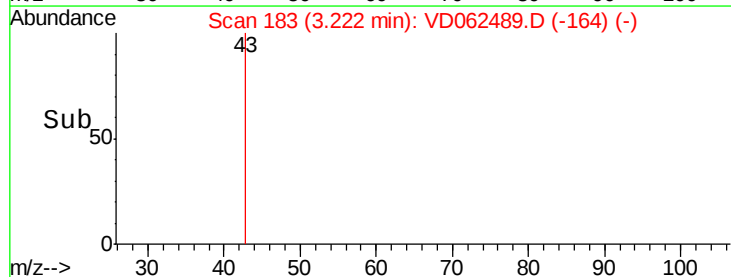
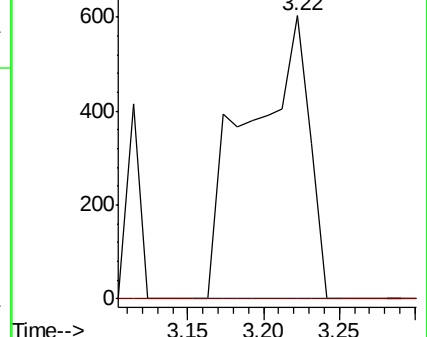
43 100

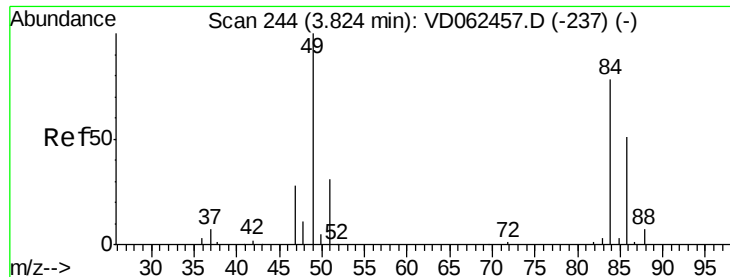
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

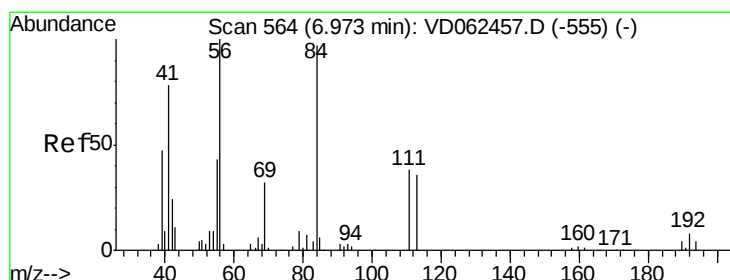
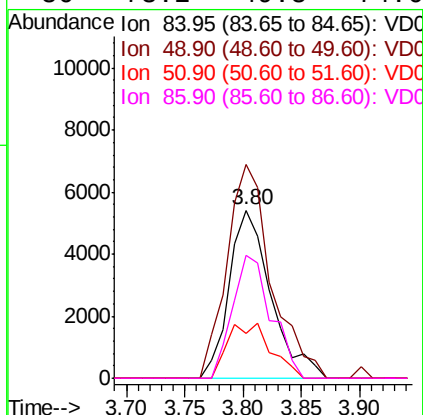
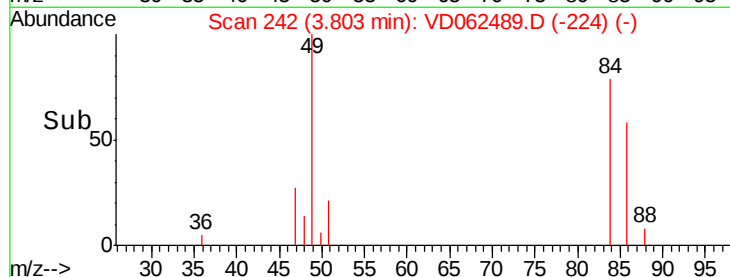
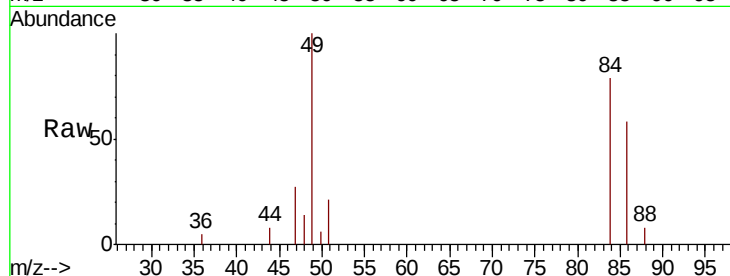




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062489.D
Acq: 21 May 2019 18:52

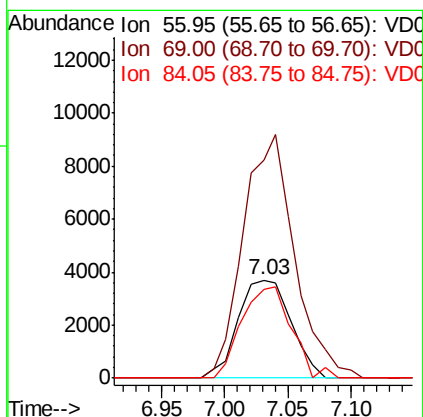
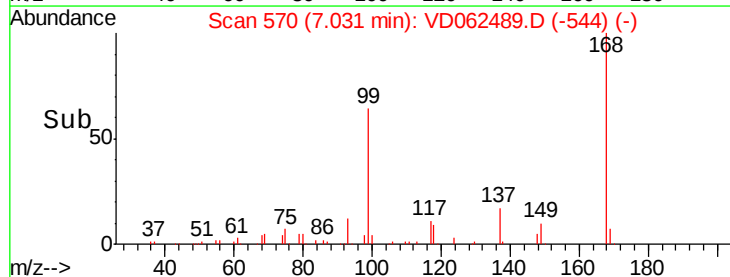
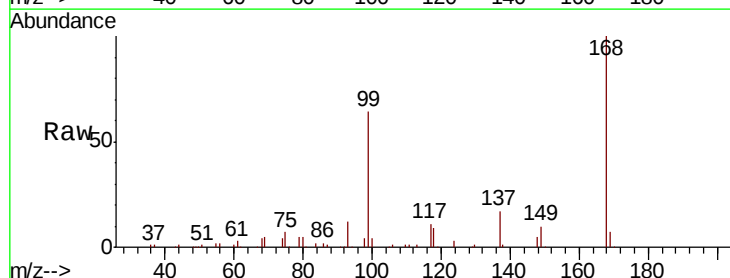
Instrument :
MSVOA_D
ClientSampled :

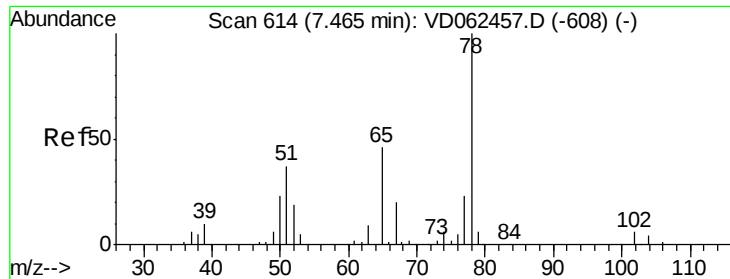
Tot Ion: 84 Resp: 13506
Ion Ratio Lower Upper
84 100
49 127.1 94.0 141.0
51 26.9 29.0 43.4#
86 73.2 49.8 74.6



#31
Cyclohexane
Concen: 1.964 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.06 min
Lab File: VD062489.D
Acq: 21 May 2019 18:52

Tgt Ion: 56 Resp: 10760
Ion Ratio Lower Upper
56 100
69 222.1 25.8 38.6#
84 90.5 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 30.548 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

Instrument :

MSVOA_D

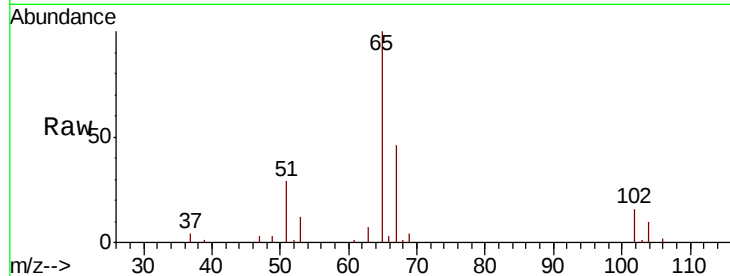
ClientSampleId :

Tot Ion: 65 Resp: 177246

Ion Ratio Lower Upper

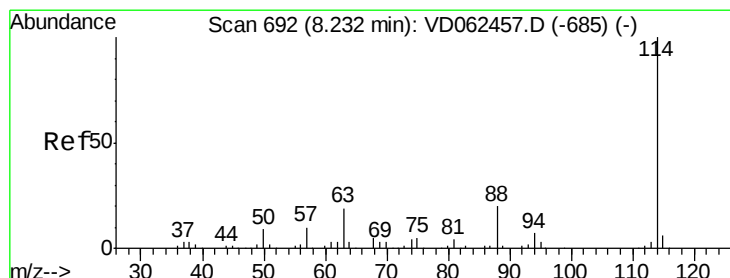
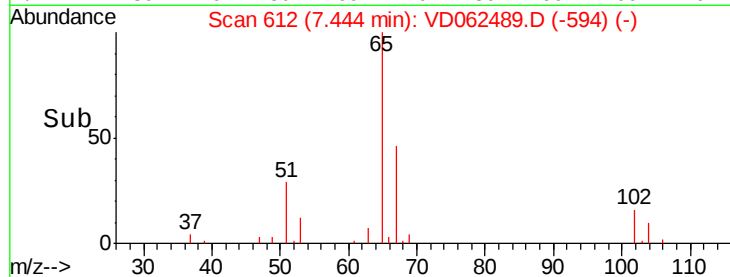
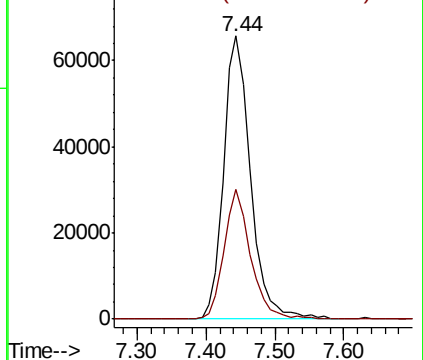
65 100

67 45.7 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: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

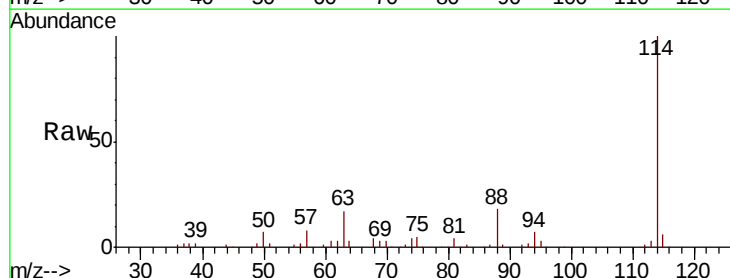
Tgt Ion: 114 Resp: 718765

Ion Ratio Lower Upper

114 100

63 17.4 0.0 32.4

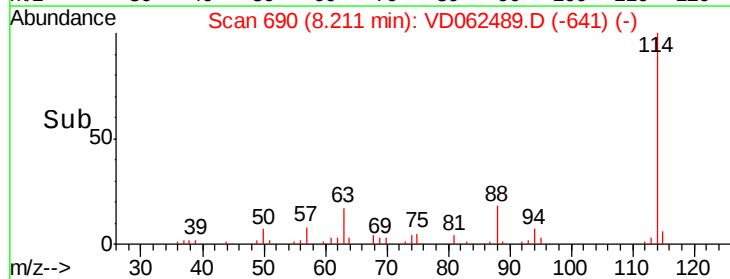
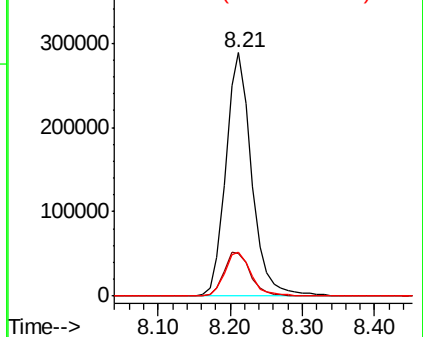
88 18.0 0.0 33.6

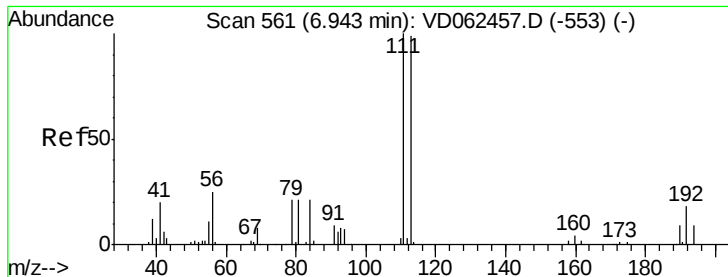


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 37.159 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

Instrument :

MSVOA_D

ClientSampled :

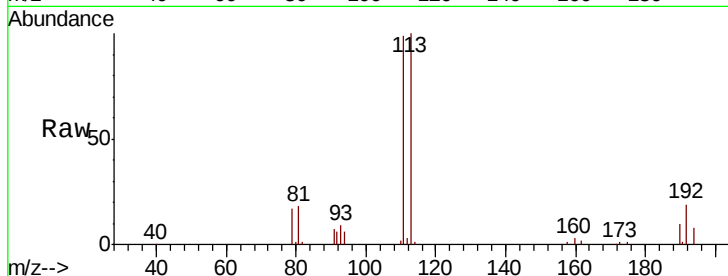
Tot Ion:113 Resp: 240945

Ion Ratio Lower Upper

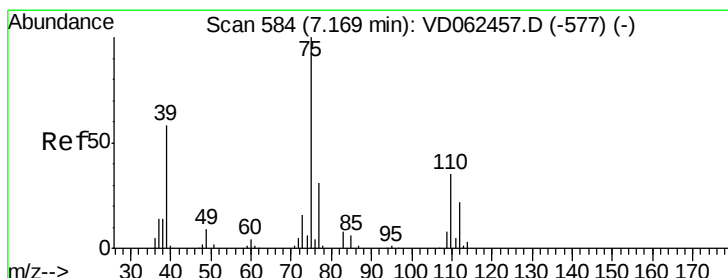
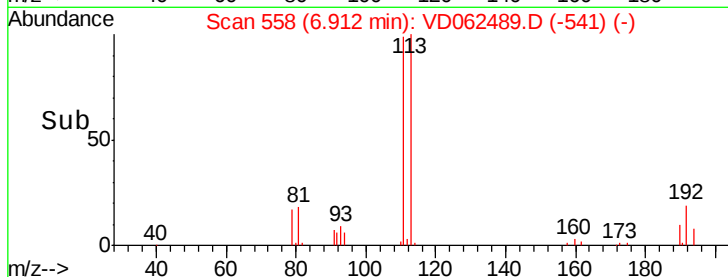
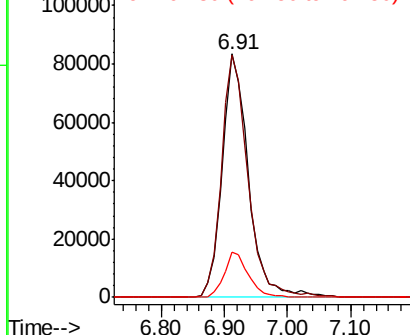
113 100

111 99.3 78.5 117.7

192 18.6 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: 5.855 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.13 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

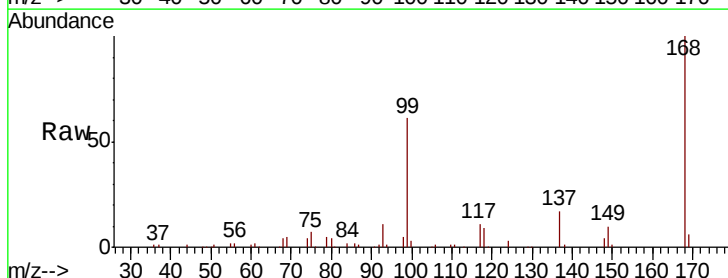
Tgt Ion: 75 Resp: 40235

Ion Ratio Lower Upper

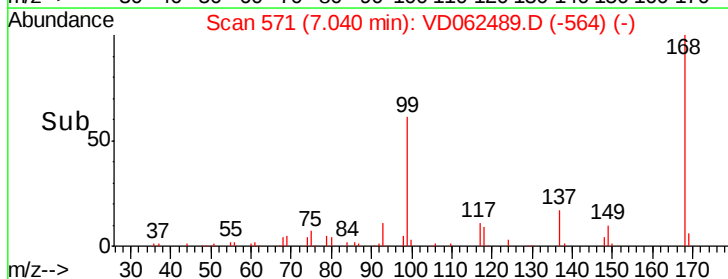
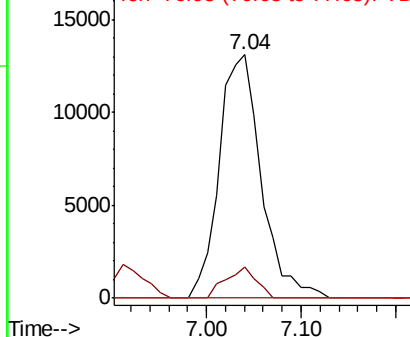
75 100

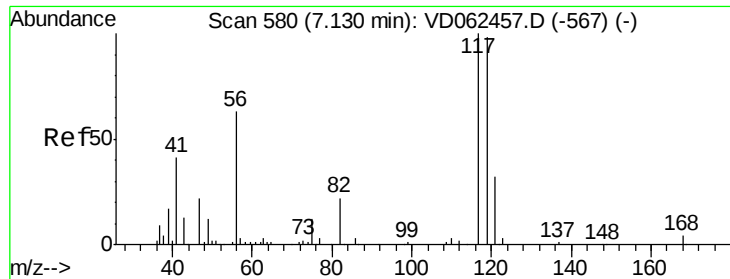
110 12.9 19.1 57.1#

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

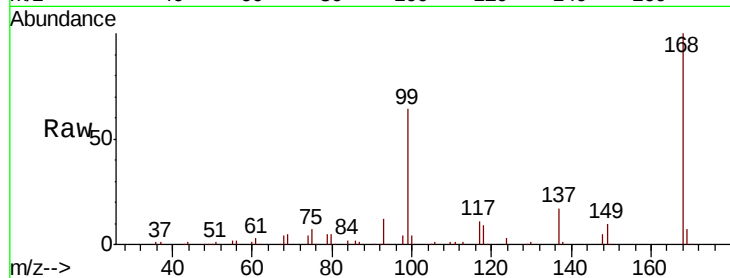




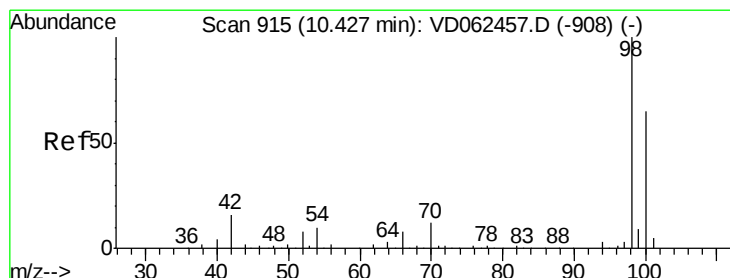
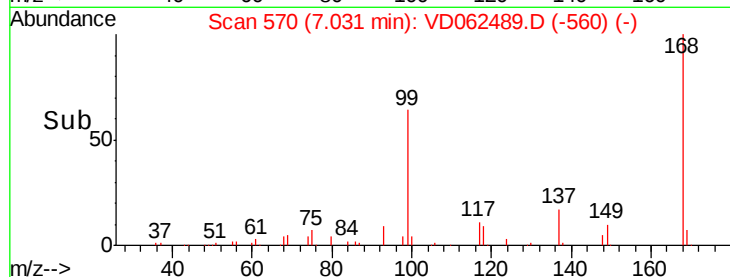
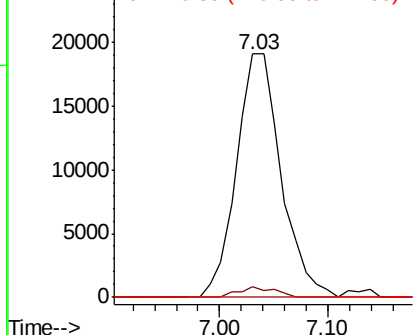
#38
Carbon Tetrachloride
Concen: 5.355 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD062489.D
Acq: 21 May 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 54689
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 25.9 38.9#

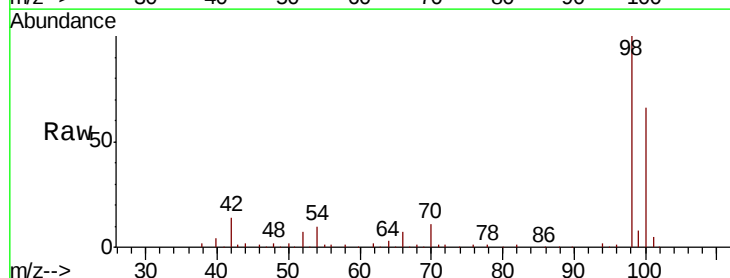


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

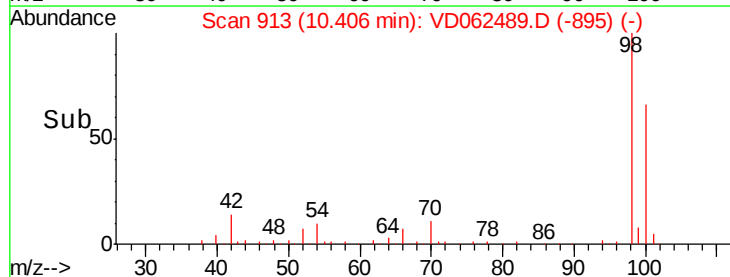
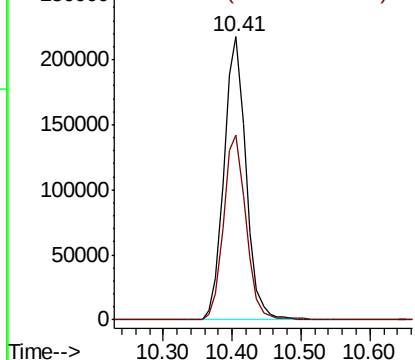


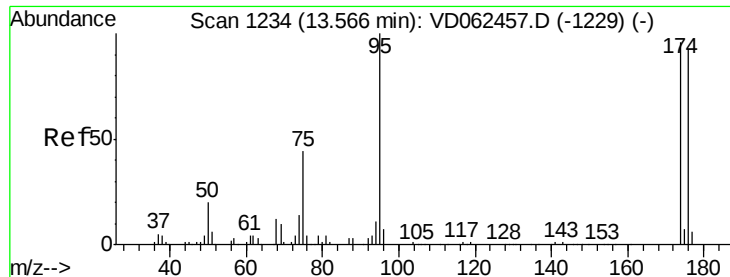
#50
Toluene-d8
Concen: 33.890 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.02 min
Lab File: VD062489.D
Acq: 21 May 2019 18:52

Tgt Ion: 98 Resp: 480897
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.8



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

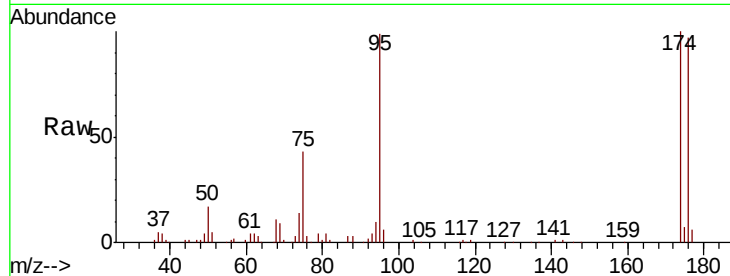




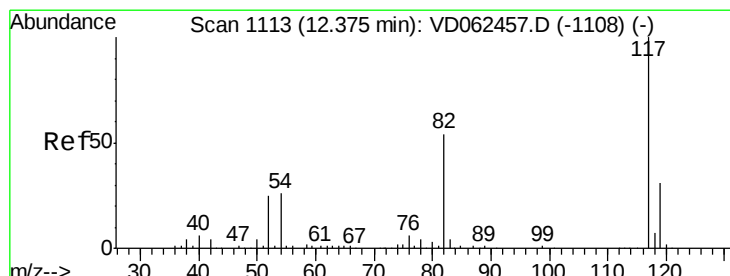
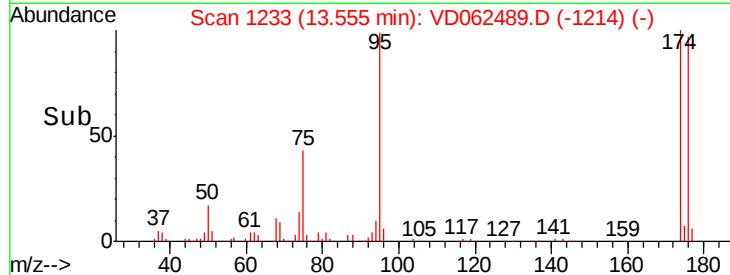
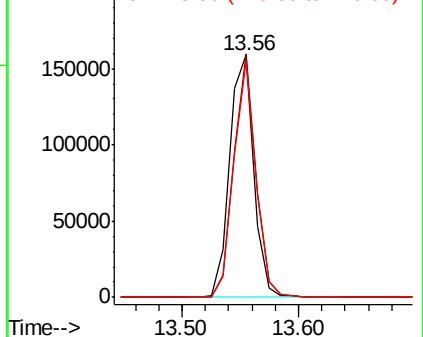
#62
 4-Bromofluorobenzene
 Concen: 36.649 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD062489.D
 Acq: 21 May 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 95 Resp: 227488
 Ion Ratio Lower Upper
 95 100
 174 100.6 0.0 181.8
 176 97.7 0.0 174.4

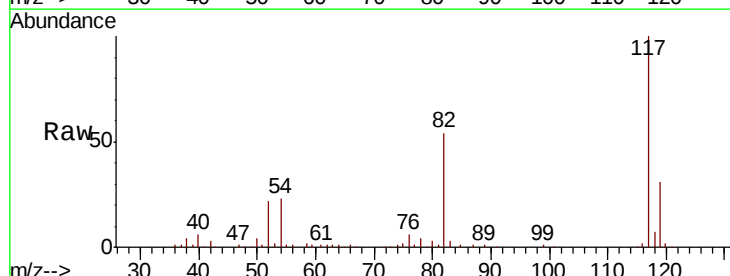


Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

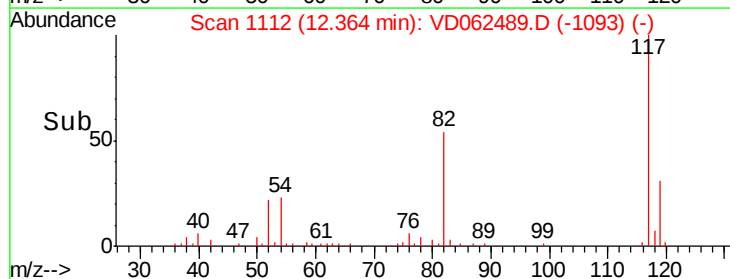
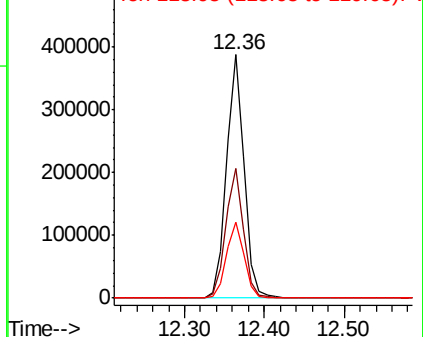


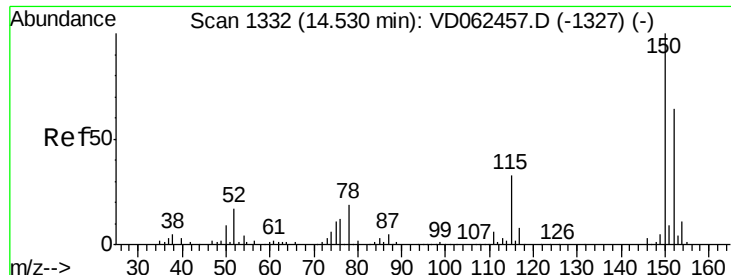
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VD062489.D
 Acq: 21 May 2019 18:52

Tgt Ion: 117 Resp: 603861
 Ion Ratio Lower Upper
 117 100
 82 53.5 36.2 54.2
 119 31.3 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# 1331

Delta R.T. -0.01 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

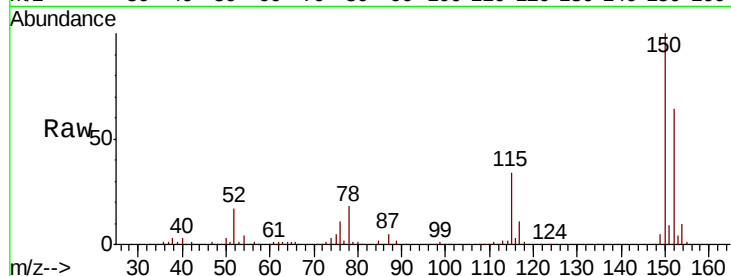
Tot Ion:152 Resp: 321038

Ion Ratio Lower Upper

152 100

115 52.9 30.9 92.7

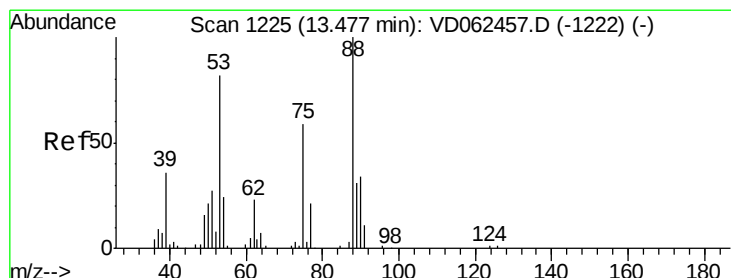
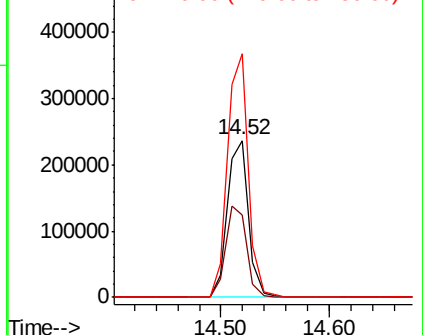
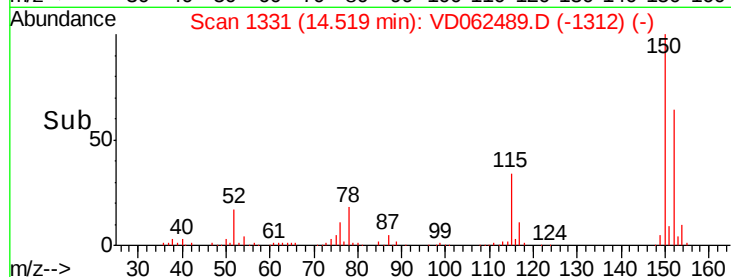
150 155.2 0.0 314.8



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: 95.076 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062489.D

Acq: 21 May 2019 18:52

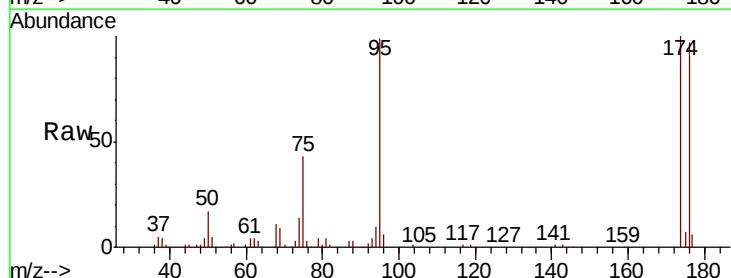
Tgt Ion: 75 Resp: 101396

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

