

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063668.D
 Acq On : 19 Aug 2019 20:01
 Operator : JC/SY
 Sample : K4402-01
 Misc : 3.78g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FRAC-TANK-MUD

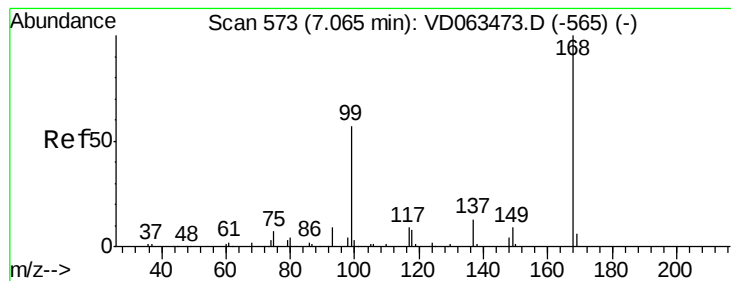
Quant Time: Aug 20 08:17:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	685379	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	952260	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	822658	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	400322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	401560	54.81	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	109.62%	
35) Dibromofluoromethane	6.81	113	213	0.03	ug/l	-0.13
Spiked Amount				50.000		
			Recovery	=	0.06%	
50) Toluene-d8	10.40	98	892369	50.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	13.55	95	360329	45.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.95	56	584	1.860	ug/l	91
16) Acetone	3.22	43	101307	68.025	ug/l	98
20) Methylene Chloride	3.81	84	16525	2.566	ug/l #	86
25) 2-Butanone	6.06	43	16319	11.095	ug/l #	89
31) Cyclohexane	7.04	56	14667	2.217	ug/l #	23
36) 1,1-Dichloropropene	7.04	75	49198	5.844	ug/l #	52
38) Carbon Tetrachloride	7.03	117	63273	4.987	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	164541	133.248	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063668.D

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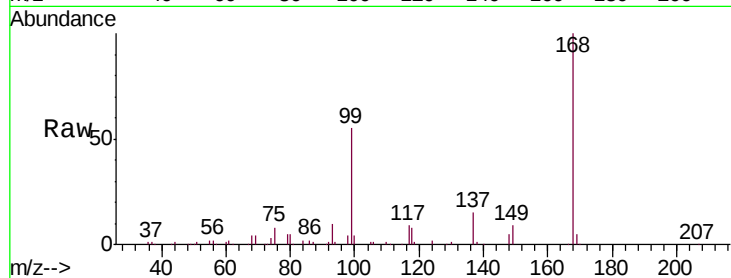
FRAC-TANK-MUD

Tgt Ion:168 Resp: 685379

Ion Ratio Lower Upper

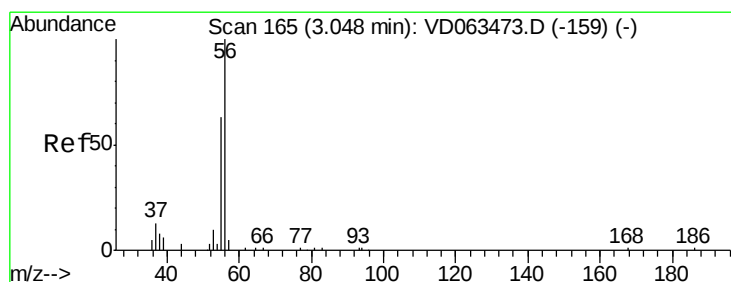
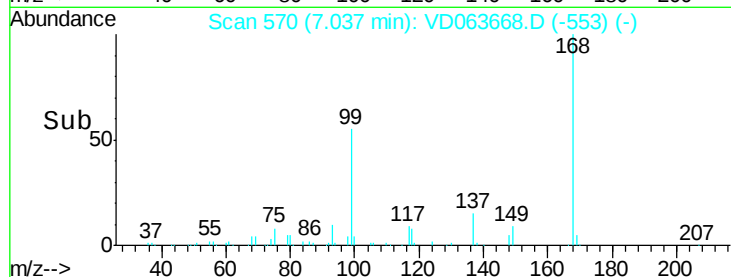
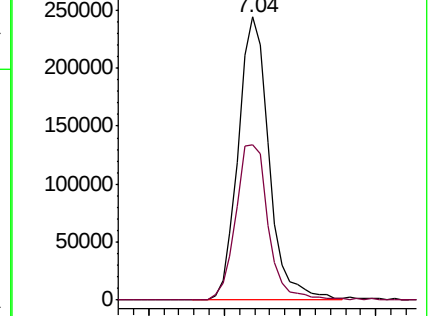
168 100

99 54.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.860 ug/l

RT: 2.95 min Scan# 155

Delta R.T. -0.10 min

Lab File: VD063668.D

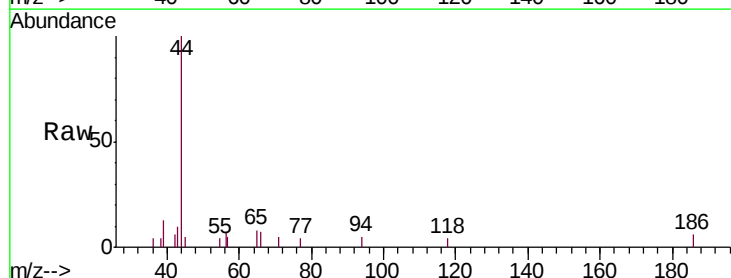
Acq: 19 Aug 2019 20:01

Tgt Ion: 56 Resp: 584

Ion Ratio Lower Upper

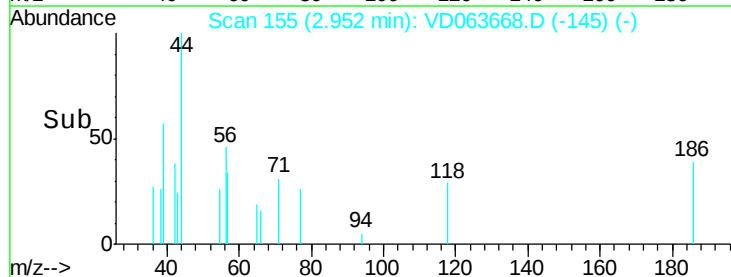
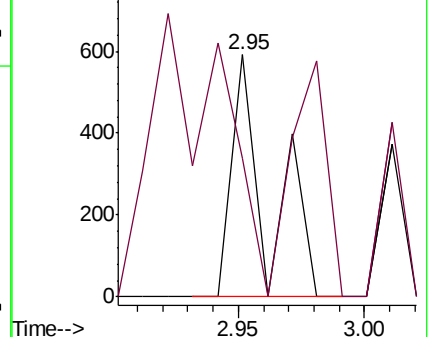
56 100

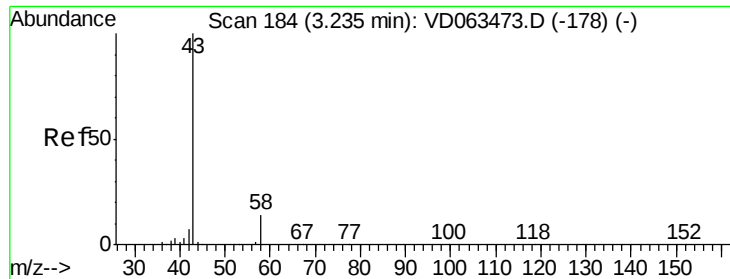
55 57.4 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

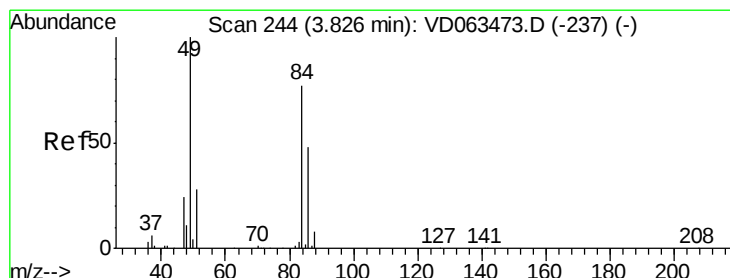
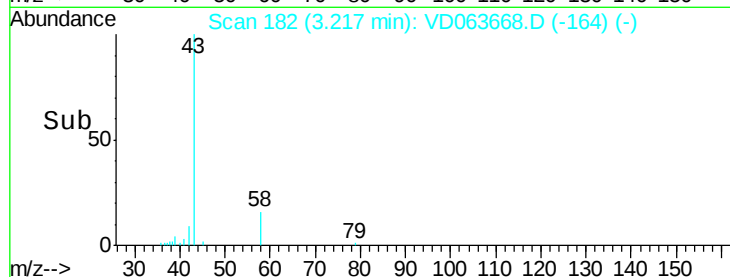
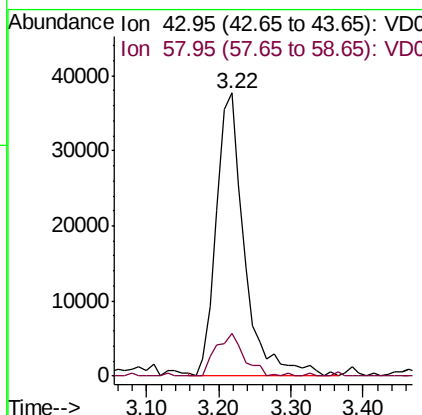
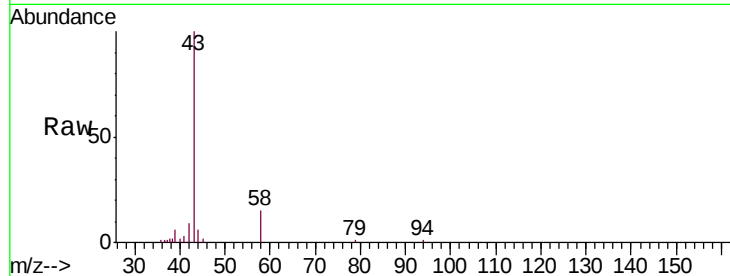




#16
Acetone
Concen: 68.025 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063668.D
Acq: 19 Aug 2019 20:01

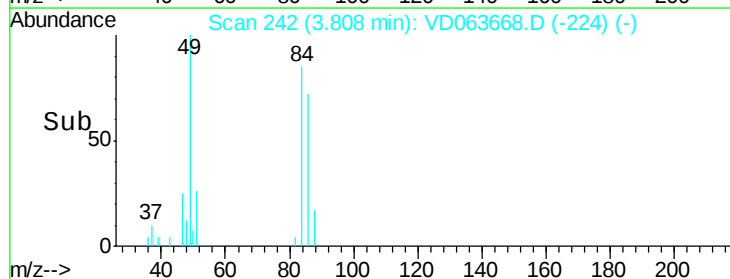
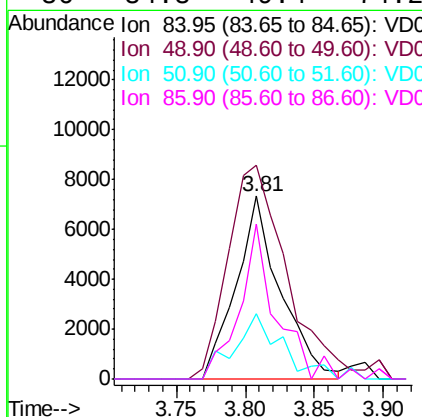
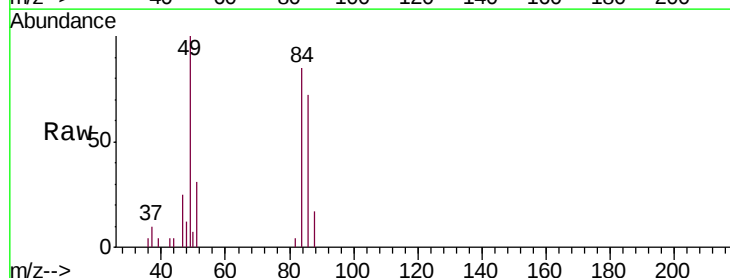
Instrument :
MSVOA_D
ClientSampleId :
FRAC-TANK-MUD

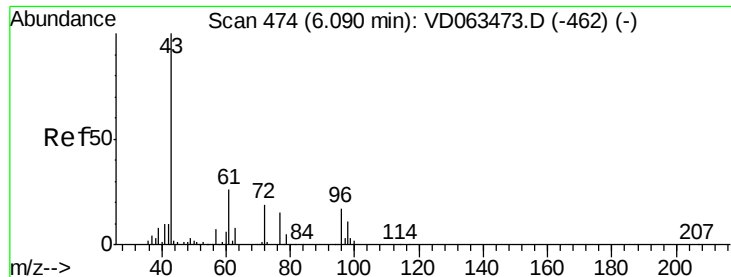
Tgt Ion: 43 Resp: 101307
Ion Ratio Lower Upper
43 100
58 15.3 11.4 17.2



#20
Methylene Chloride
Concen: 2.566 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063668.D
Acq: 19 Aug 2019 20:01

Tgt Ion: 84 Resp: 16525
Ion Ratio Lower Upper
84 100
49 117.0 103.4 155.2
51 36.1 28.5 42.7
86 84.8 49.4 74.2#





#25

2-Butanone

Concen: 11.095 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

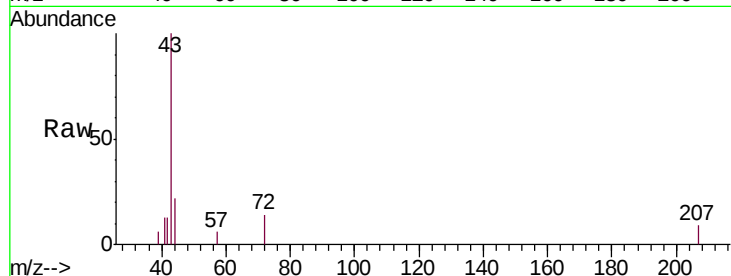
FRAC-TANK-MUD

Tgt Ion: 43 Resp: 16319

Ion Ratio Lower Upper

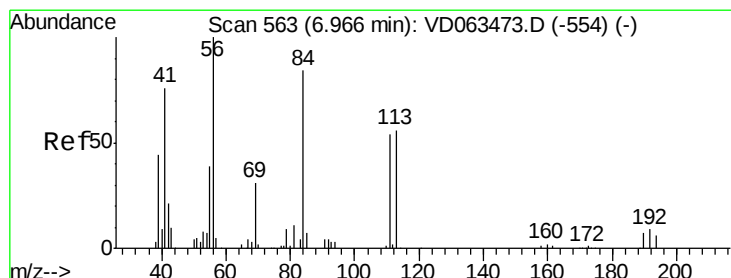
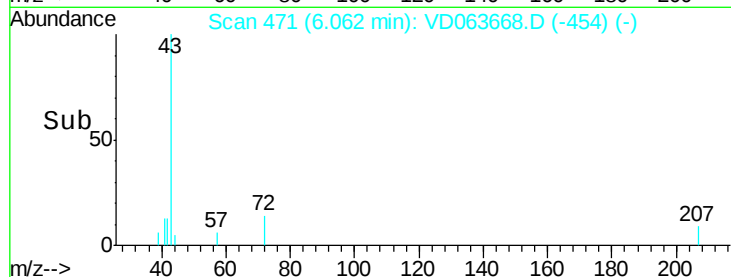
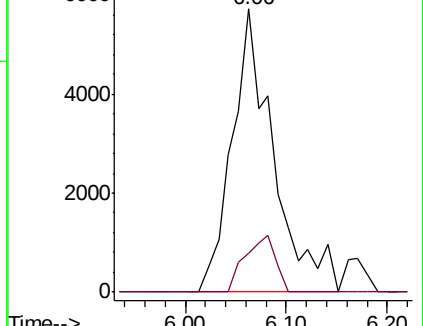
43 100

72 13.8 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.217 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

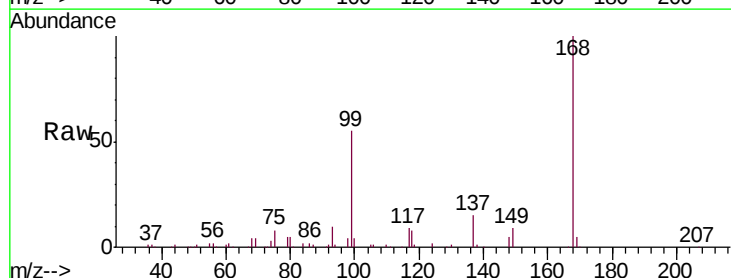
Tgt Ion: 56 Resp: 14667

Ion Ratio Lower Upper

56 100

69 171.0 25.0 37.6#

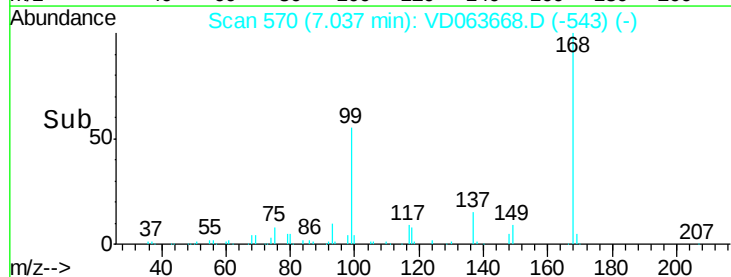
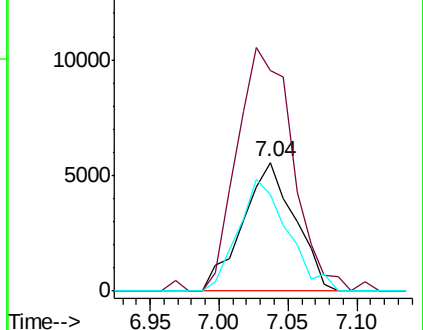
84 74.7 69.7 104.5

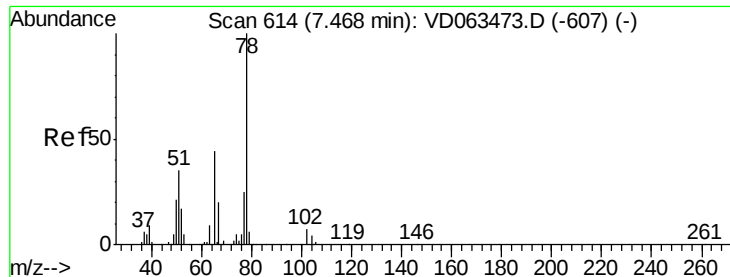


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

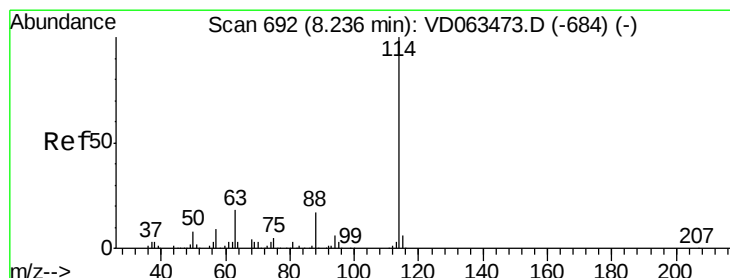
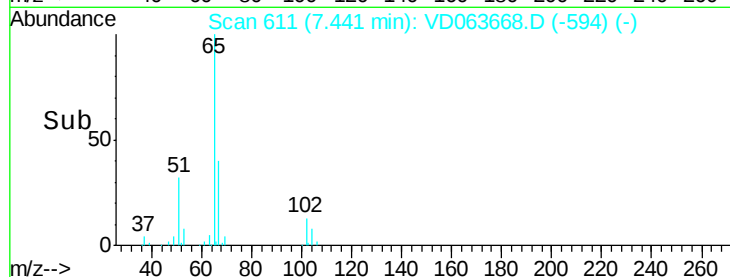
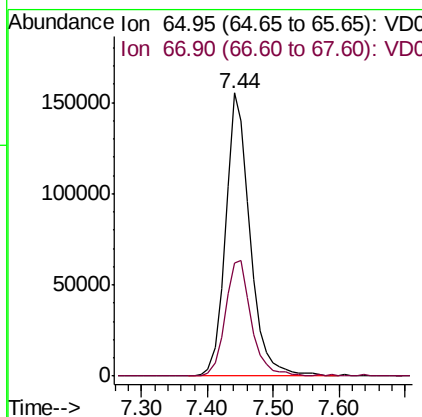
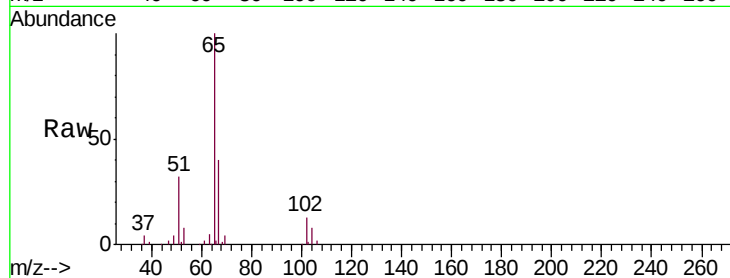




#33
 1,2-Dichloroethane-d4
 Concen: 54.812 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063668.D
 Acq: 19 Aug 2019 20:01

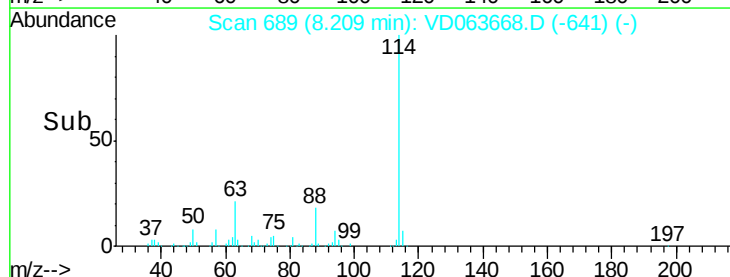
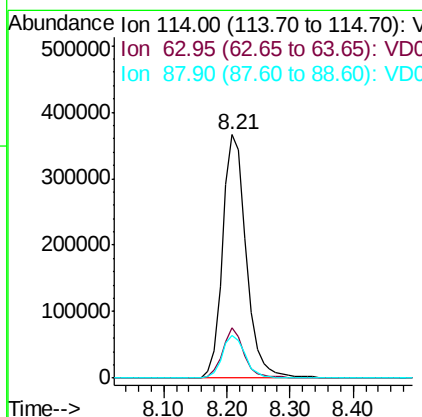
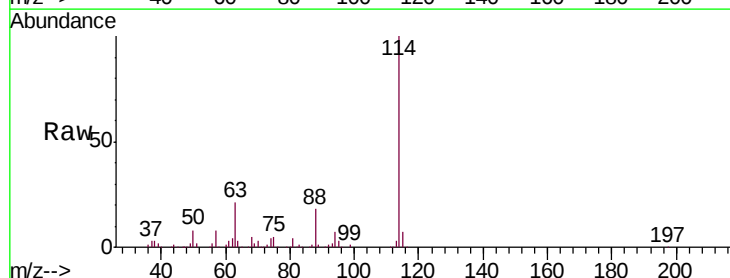
Instrument :
 MSVOA_D
 ClientSampleId :
 FRAC-TANK-MUD

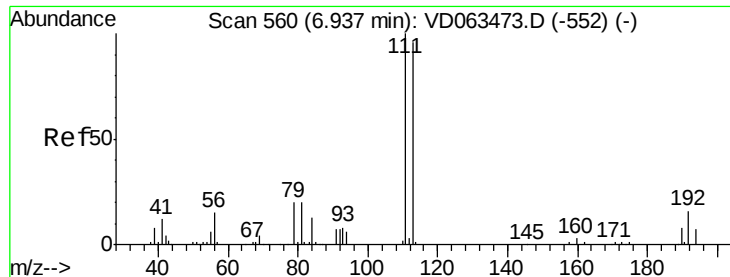
Tgt Ion: 65 Resp: 401560
 Ion Ratio Lower Upper
 65 100
 67 40.1 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063668.D
 Acq: 19 Aug 2019 20:01

Tgt Ion: 114 Resp: 952260
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 36.2
 88 17.8 0.0 35.0





#35

Dibromofluoromethane

Concen: 0.027 ug/l

RT: 6.81 min Scan# 547

Delta R.T. -0.13 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

FRAC-TANK-MUD

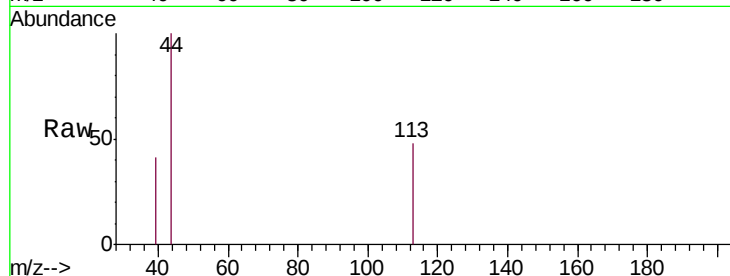
Tgt Ion:113 Resp: 213

Ion Ratio Lower Upper

113 100

111 0.0 83.1 124.7#

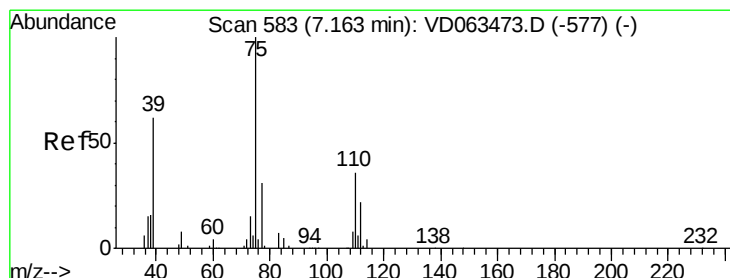
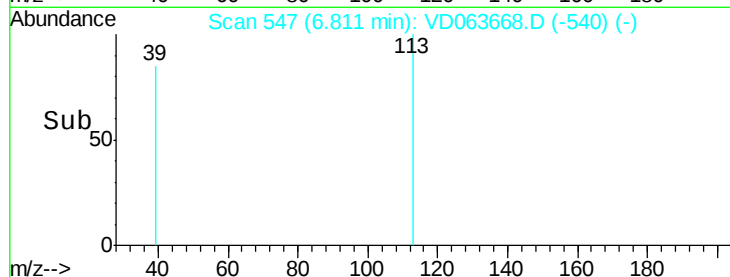
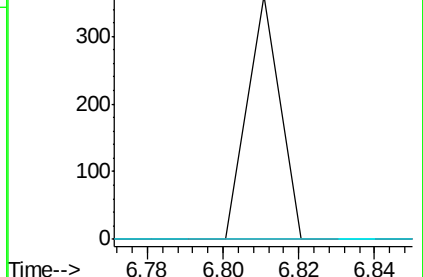
192 0.0 13.1 19.7#



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: 5.844 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

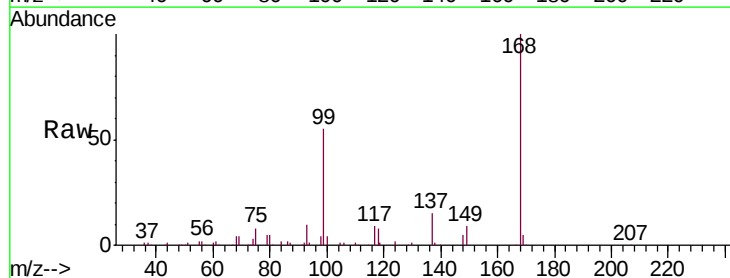
Tgt Ion: 75 Resp: 49198

Ion Ratio Lower Upper

75 100

110 11.7 17.6 52.8#

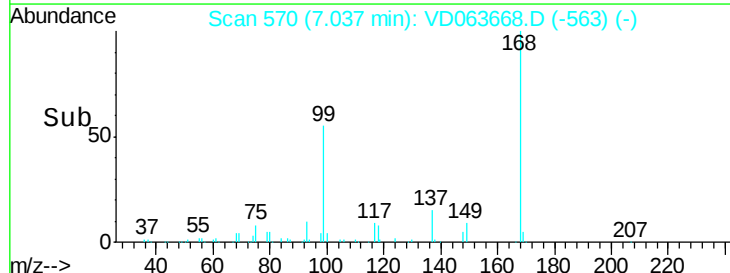
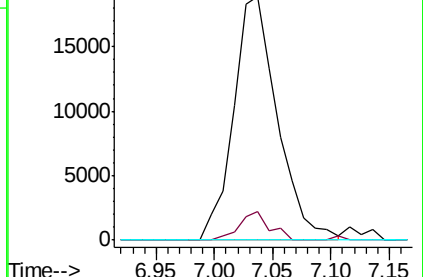
77 0.0 24.3 36.5#

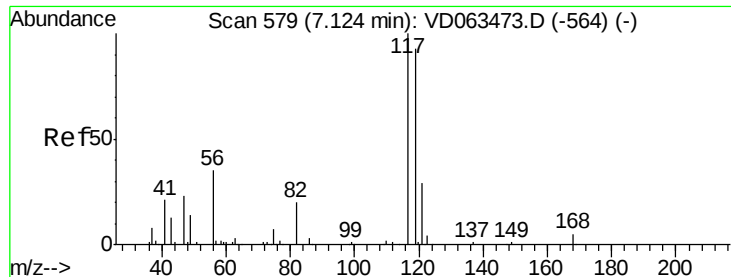


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.987 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

FRAC-TANK-MUD

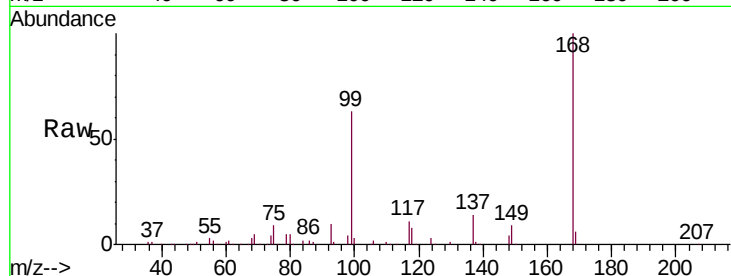
Tgt Ion:117 Resp: 63273

Ion Ratio Lower Upper

117 100

119 3.6 74.2 111.2#

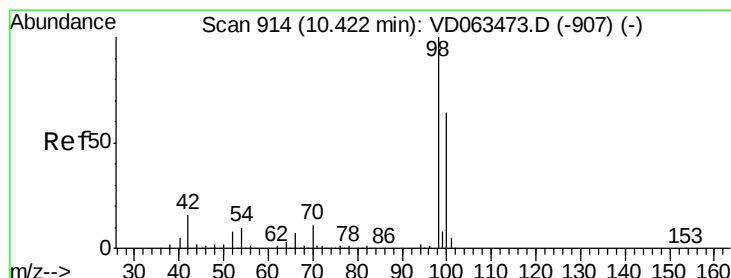
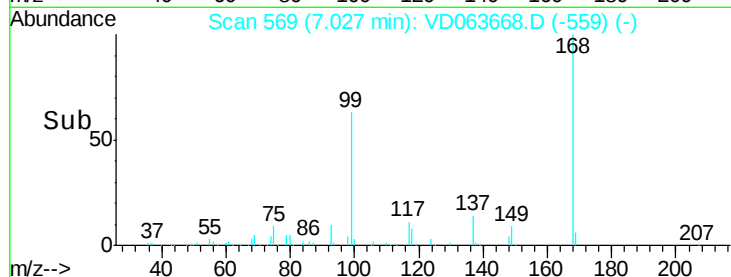
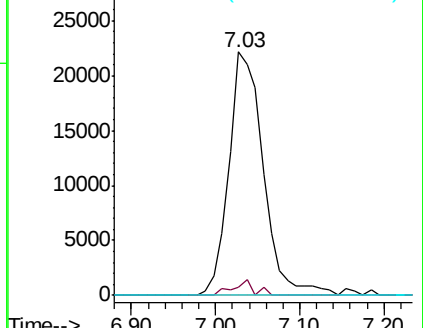
121 0.0 23.1 34.7#



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: 50.610 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063668.D

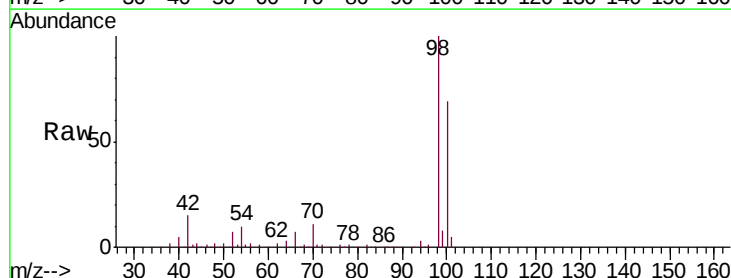
Acq: 19 Aug 2019 20:01

Tgt Ion: 98 Resp: 892369

Ion Ratio Lower Upper

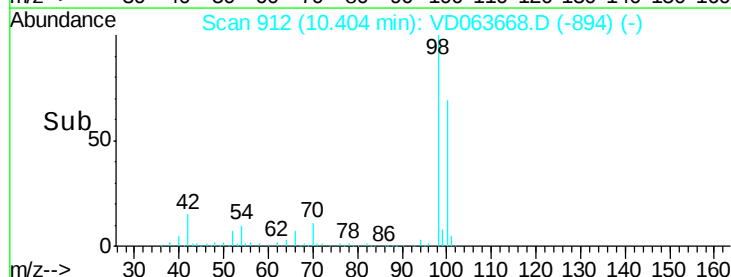
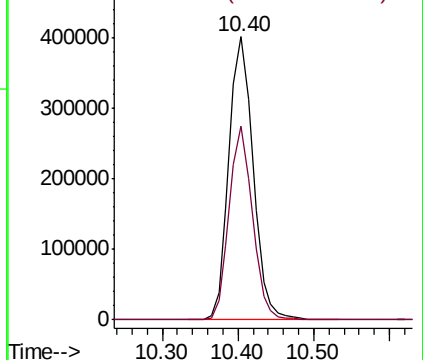
98 100

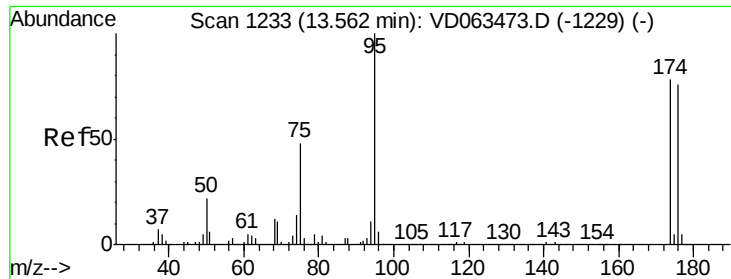
100 68.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

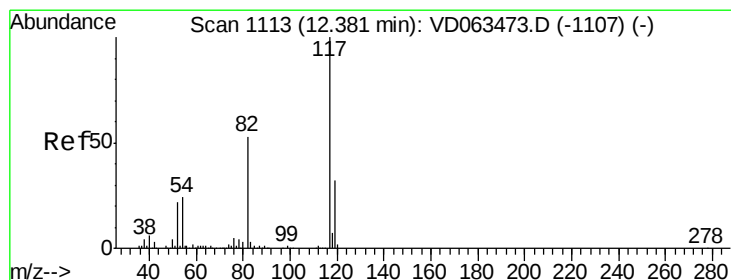
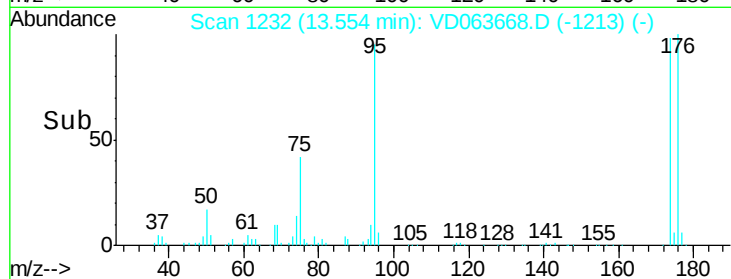
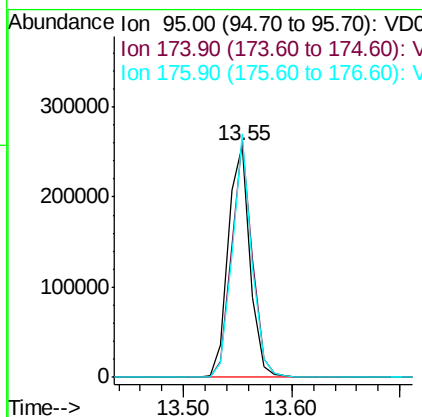
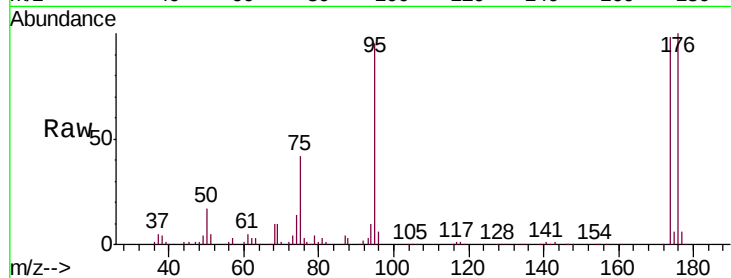




#62
4-Bromofluorobenzene
Concen: 45.088 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063668.D
Acq: 19 Aug 2019 20:01

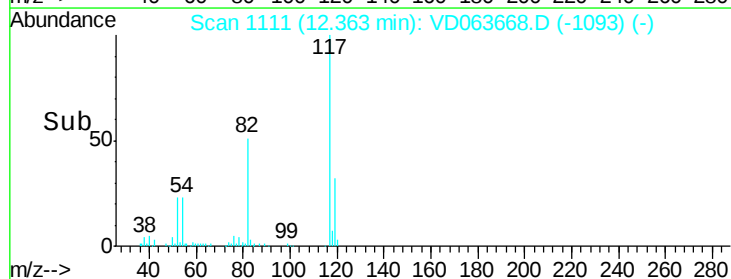
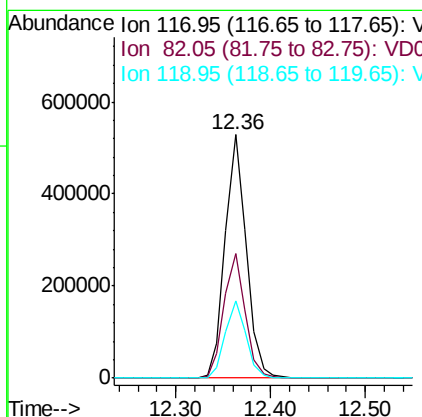
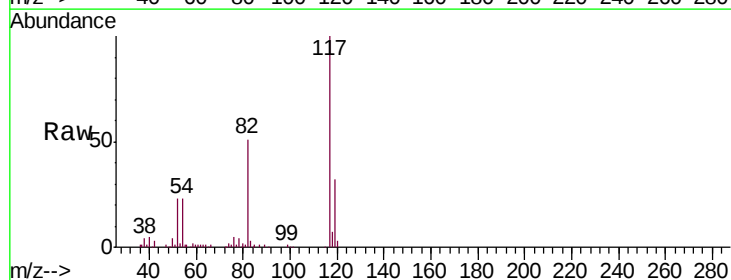
Instrument :
MSVOA_D
ClientSampleId :
FRAC-TANK-MUD

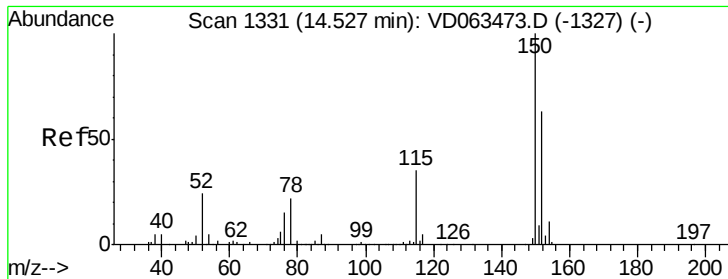
Tgt Ion: 95 Resp: 360329
Ion Ratio Lower Upper
95 100
174 102.5 0.0 155.4
176 104.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063668.D
Acq: 19 Aug 2019 20:01

Tgt Ion: 117 Resp: 822658
Ion Ratio Lower Upper
117 100
82 51.0 42.0 63.0
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

FRAC-TANK-MUD

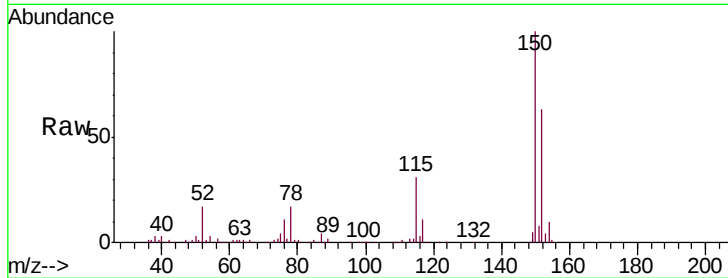
Tgt Ion:152 Resp: 400322

Ion Ratio Lower Upper

152 100

115 48.1 30.9 92.7

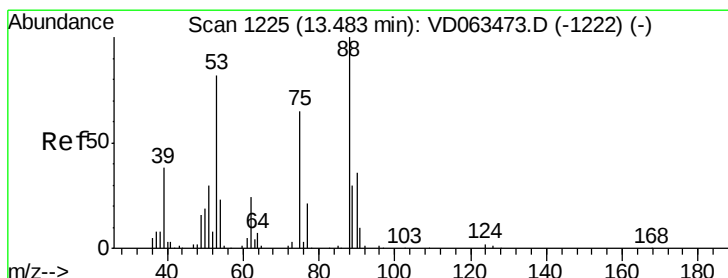
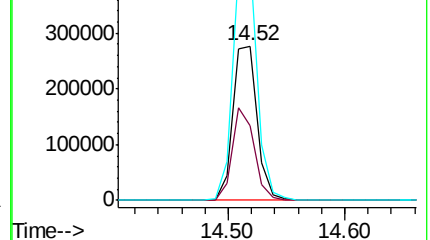
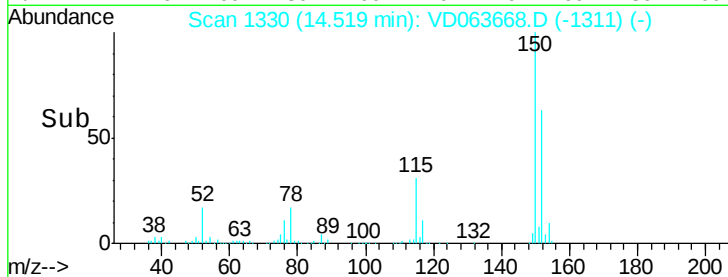
150 157.8 0.0 318.6



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: 133.248 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063668.D

Acq: 19 Aug 2019 20:01

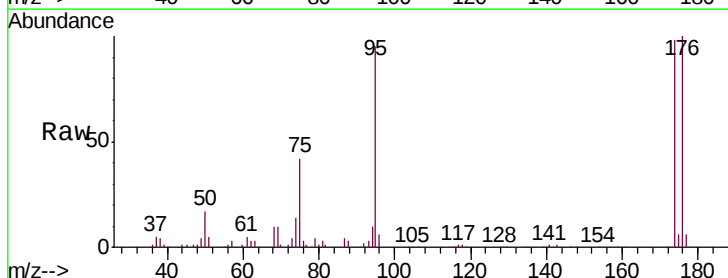
Tgt Ion: 75 Resp: 164541

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

