

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058264.D
 Acq On : 21 Jun 2018 20:47
 Operator : VA/AP
 Sample : J3603-15RE
 Misc : 4.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-9RE

Quant Time: Jun 22 06:17:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	419549	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	494431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	249689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	43006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	276156	65.17	ug/l	0.01
Spiked Amount			Recovery	=	130.34%	
35) Dibromofluoromethane	5.55	113	287995	71.57	ug/l	0.00
Spiked Amount			Recovery	=	143.14%	
50) Toluene-d8	8.71	98	480435	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.93	95	71406	17.95	ug/l	0.00
Spiked Amount			Recovery	=	35.90%	

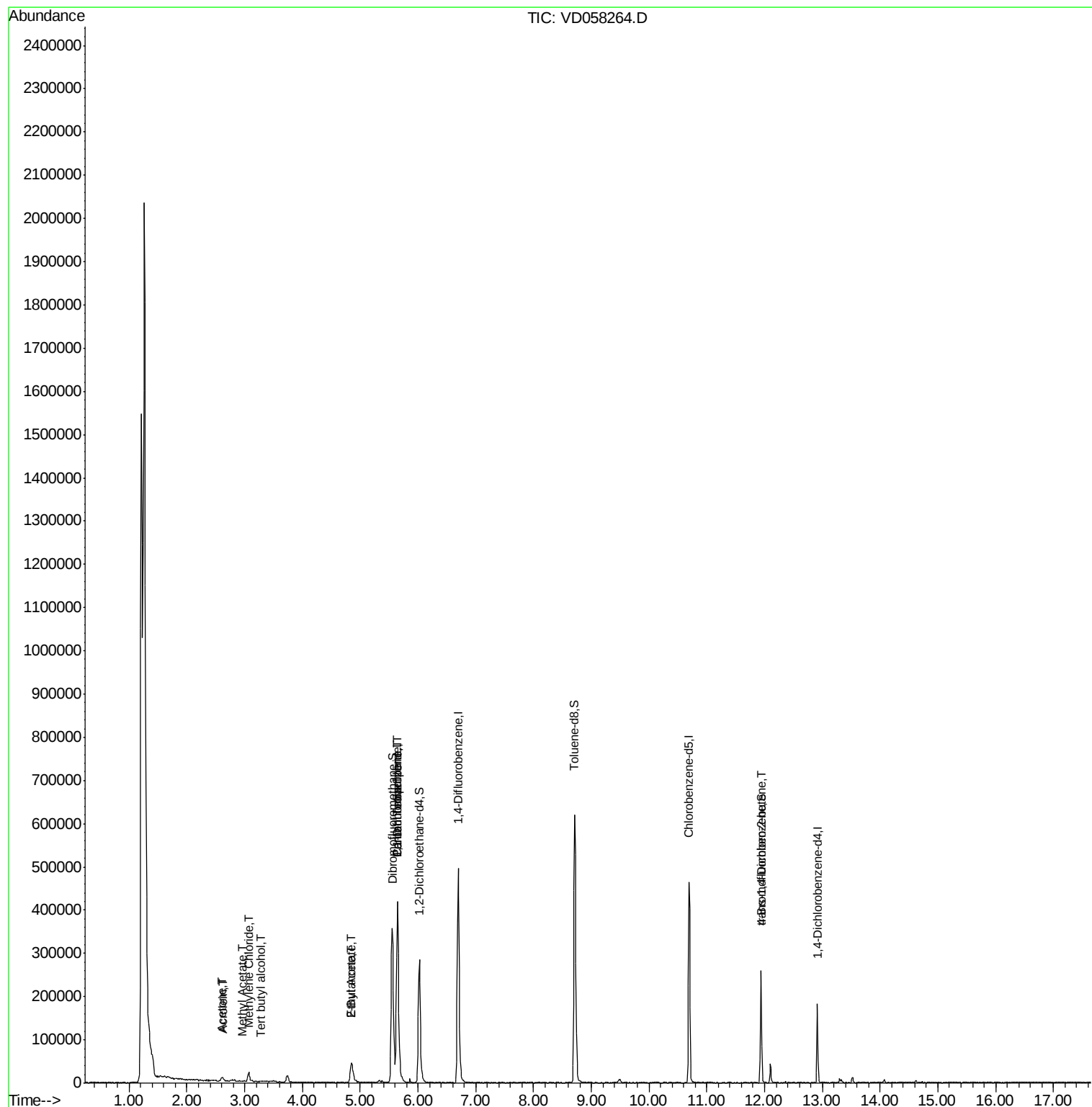
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	230	Below Cal	#	43
3) Chloromethane	1.57	50	194	Below Cal	#	43
5) Bromomethane	1.65	94	230	Below Cal		84
11) Tert butyl alcohol	3.27	59	188	1.345	ug/l #	78
13) Acrolein	2.63	56	190	2.381	ug/l #	11
16) Acetone	2.61	43	20751	35.806	ug/l #	87
18) Methyl Acetate	2.95	43	2020	1.634	ug/l #	65
20) Methylene Chloride	3.06	84	9652	1.784	ug/l #	79
25) 2-Butanone	4.85	43	5771	4.569	ug/l #	91
31) Cyclohexane	5.64	56	9606	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	33843	6.919	ug/l #	51
37) Ethyl Acetate	4.85	43	5771	2.071	ug/l #	44
38) Carbon Tetrachloride	5.64	117	33354	6.863	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	33961	221.764	ug/l #	1
82) 4-Chlorotoluene	12.28	91	195	Below Cal	#	45

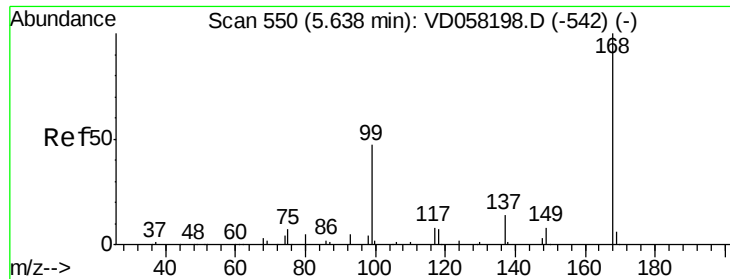
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

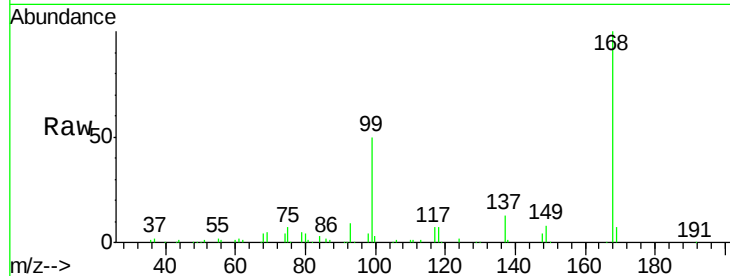
26KV-TP-9RE

Tot Ion:168 Resp: 419549

Ion Ratio Lower Upper

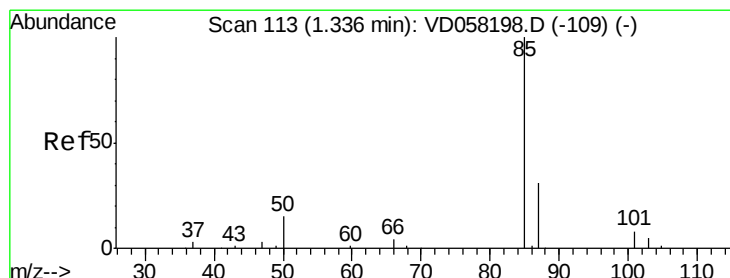
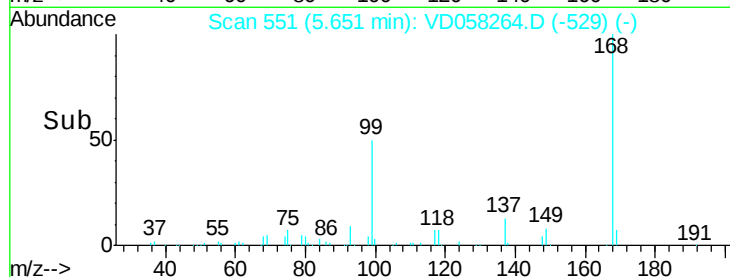
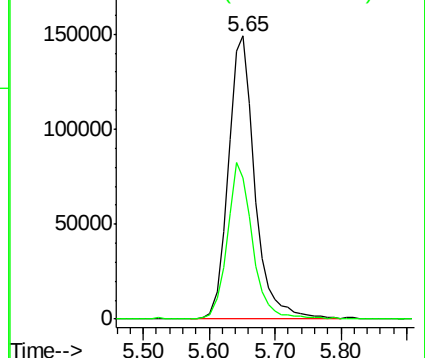
168 100

99 49.7 41.1 61.7



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: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058264.D

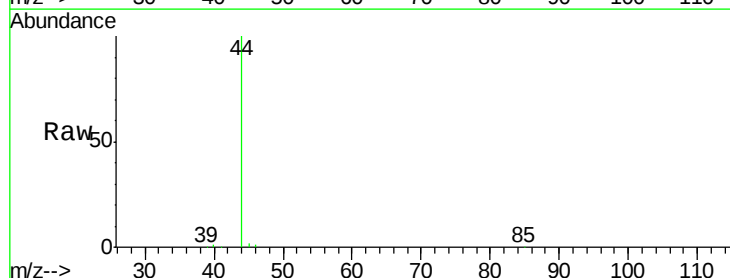
Acq: 21 Jun 2018 20:47

Tgt Ion: 85 Resp: 230

Ion Ratio Lower Upper

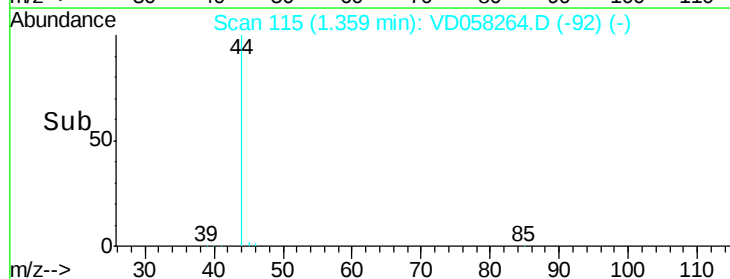
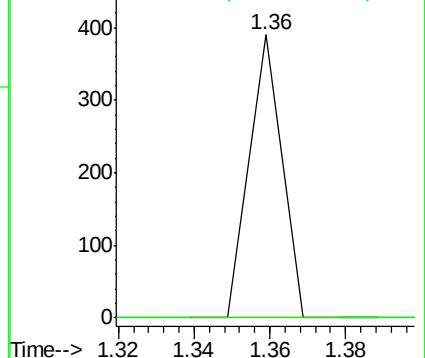
85 100

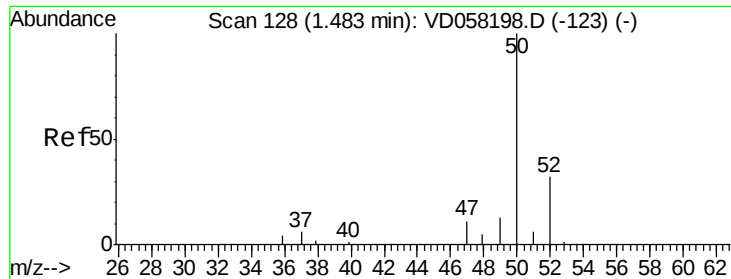
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.57 min Scan# 136

Delta R.T. 0.08 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

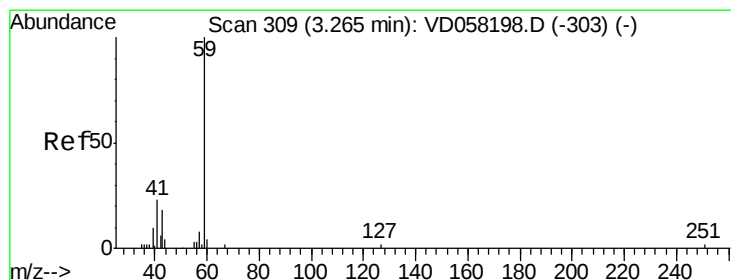
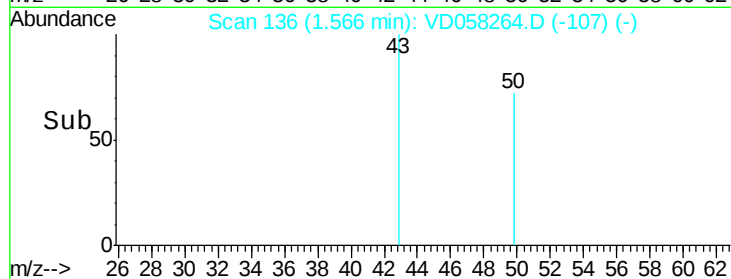
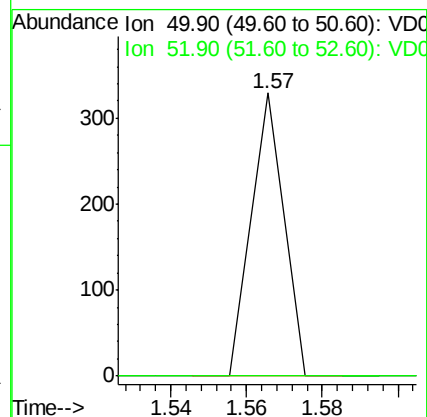
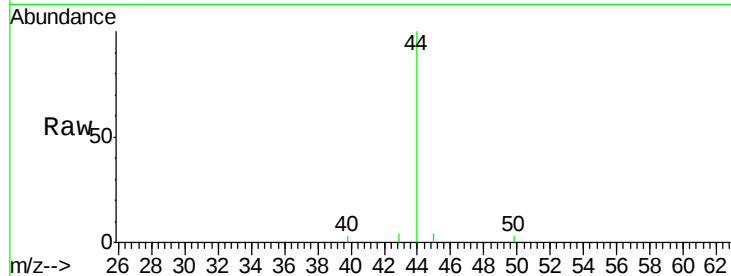
26KV-TP-9RE

Tot Ion: 50 Resp: 194

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#11

Tert butyl alcohol

Concen: 1.345 ug/l

RT: 3.27 min Scan# 309

Delta R.T. 0.00 min

Lab File: VD058264.D

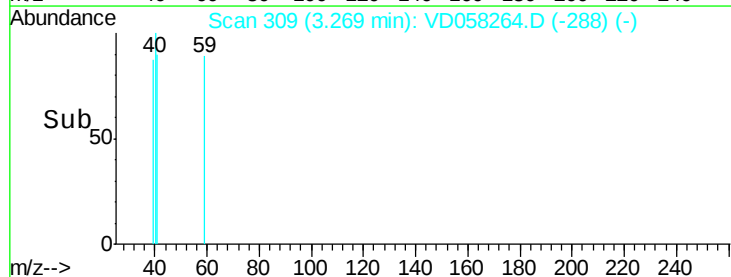
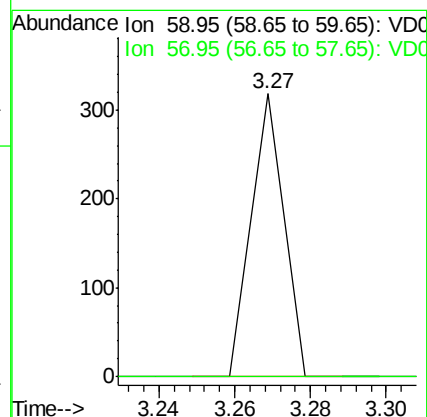
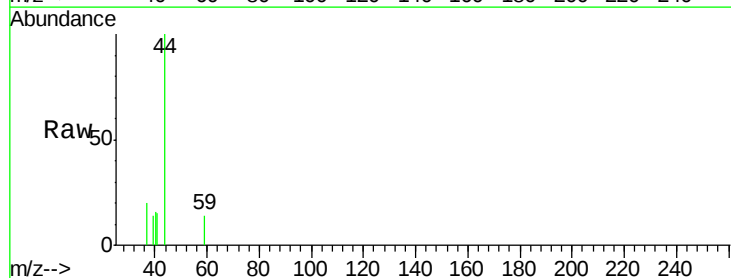
Acq: 21 Jun 2018 20:47

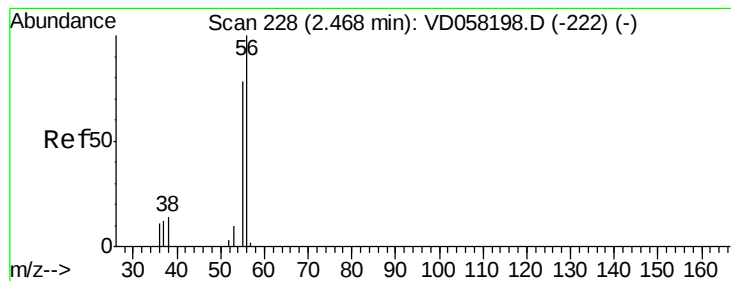
Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#





#13

Acrolein

Concen: 2.381 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.16 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

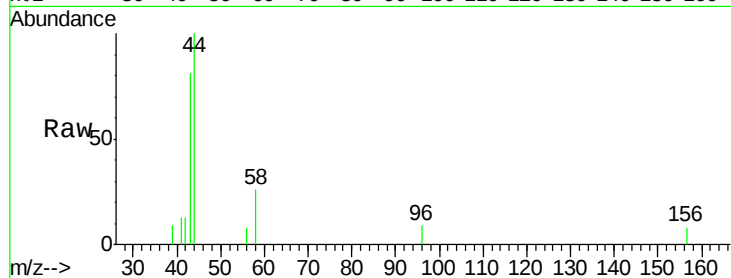
26KV-TP-9RE

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

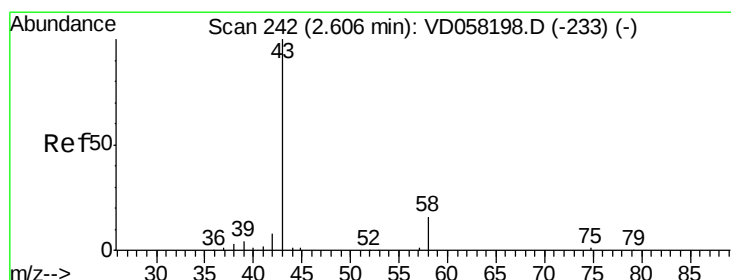
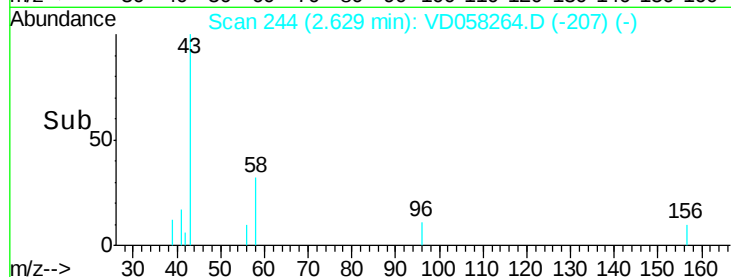
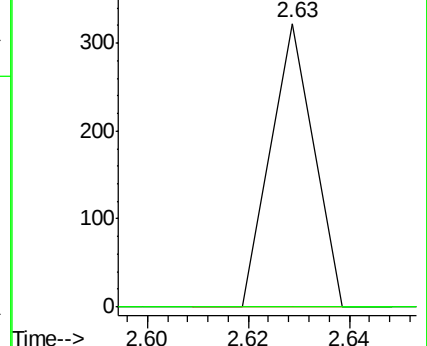
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 35.806 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058264.D

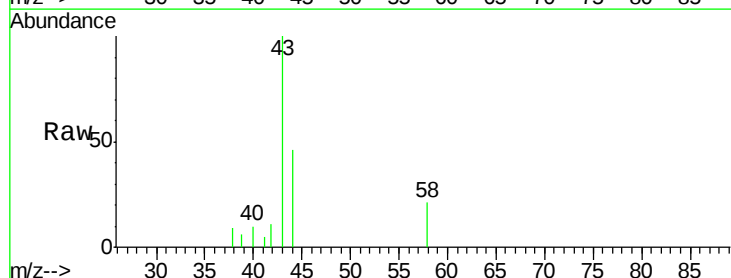
Acq: 21 Jun 2018 20:47

Tgt Ion: 43 Resp: 20751

Ion Ratio Lower Upper

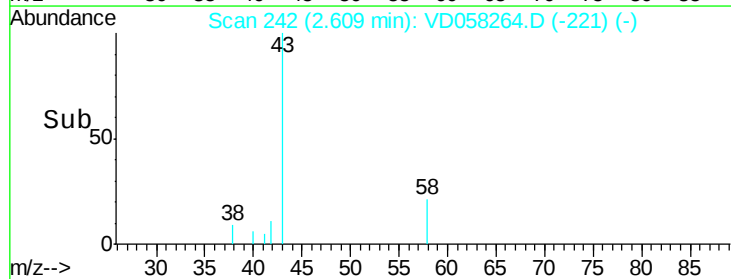
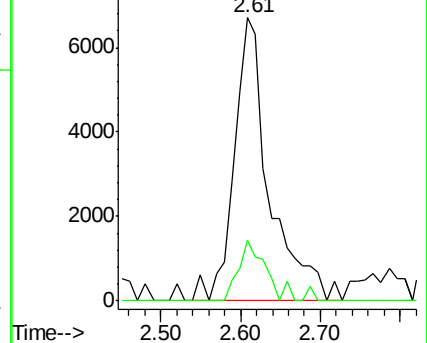
43 100

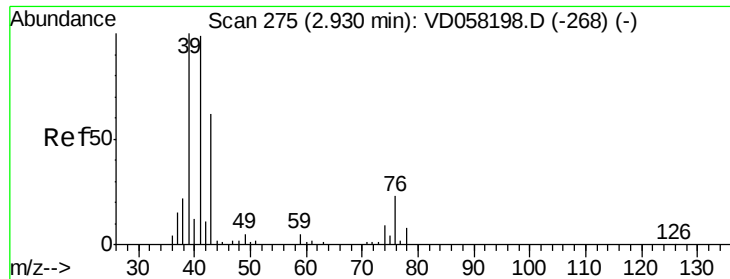
58 21.4 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

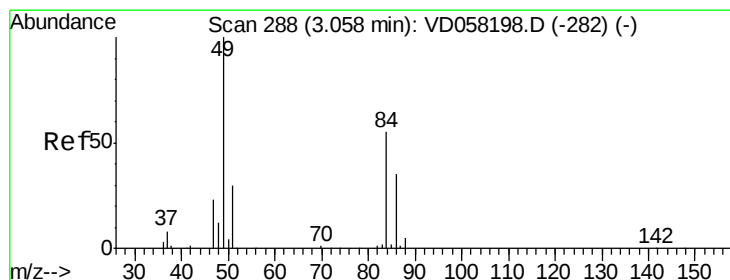
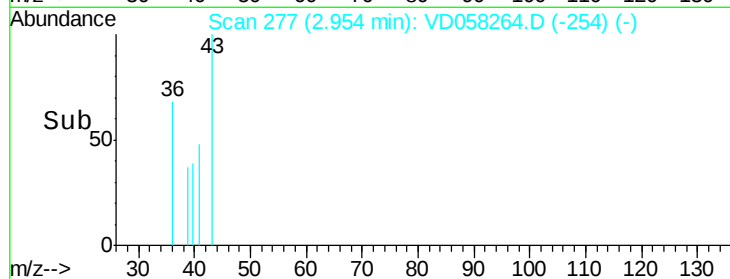
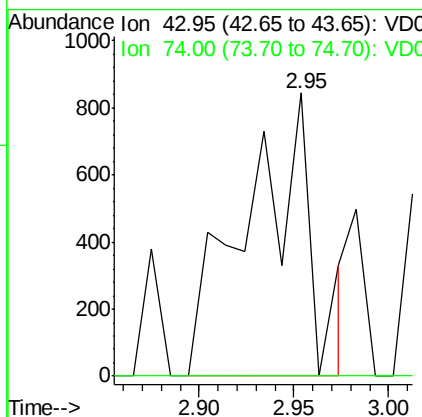
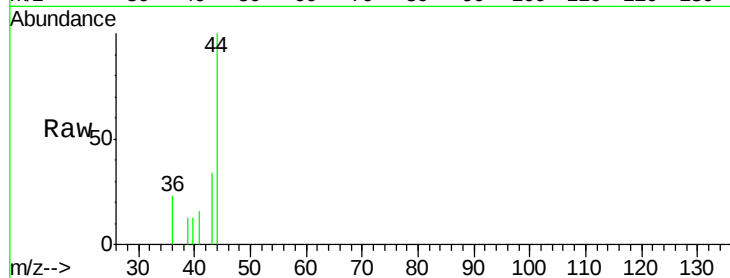




#18
Methyl Acetate
Concen: 1.634 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

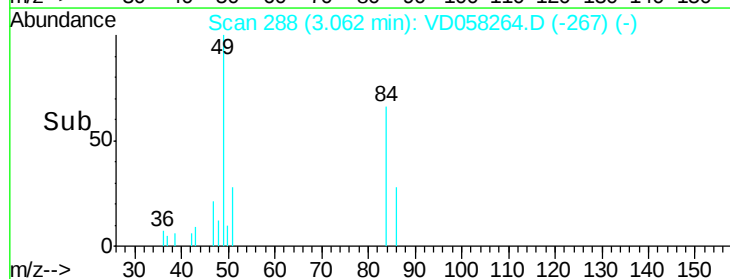
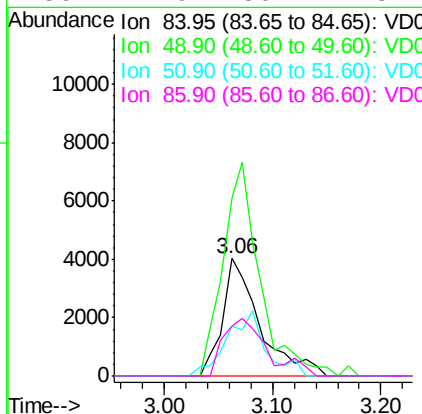
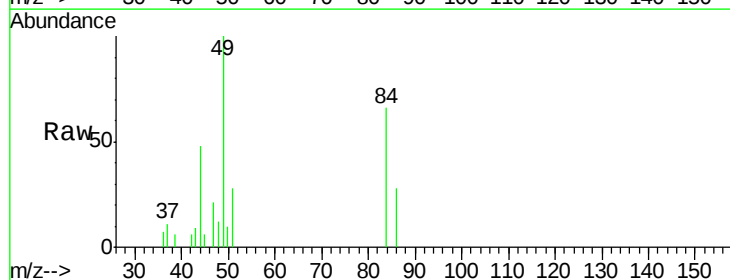
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9RE

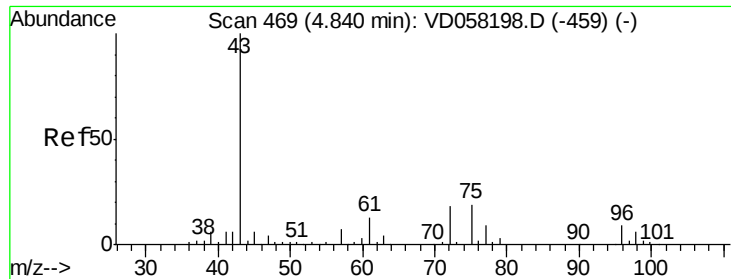
Tot Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 1.784 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Tgt Ion: 84 Resp: 9652
Ion Ratio Lower Upper
84 100
49 151.3 145.0 217.6
51 42.2 42.9 64.3#
86 42.9 50.1 75.1#

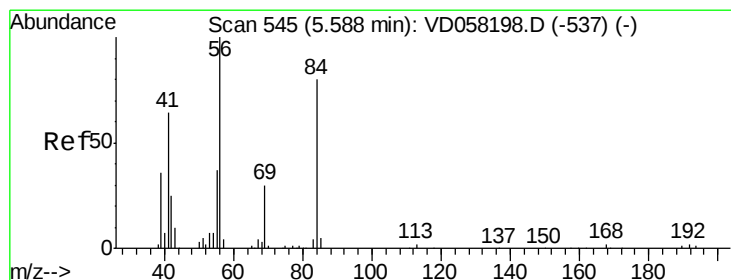
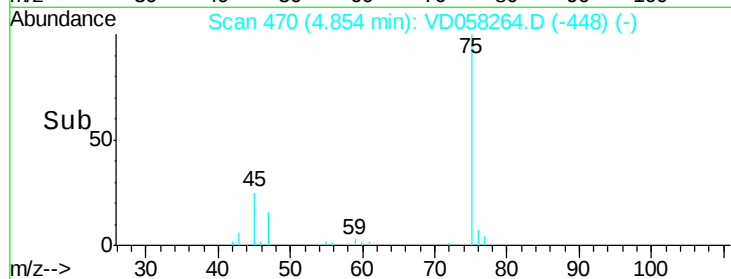
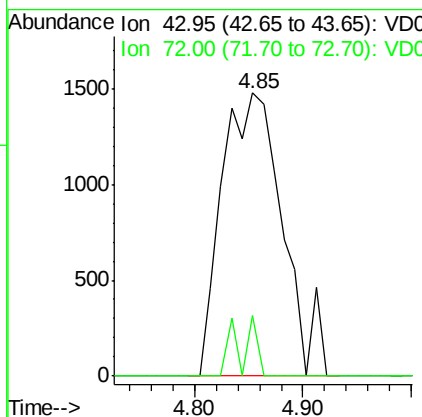
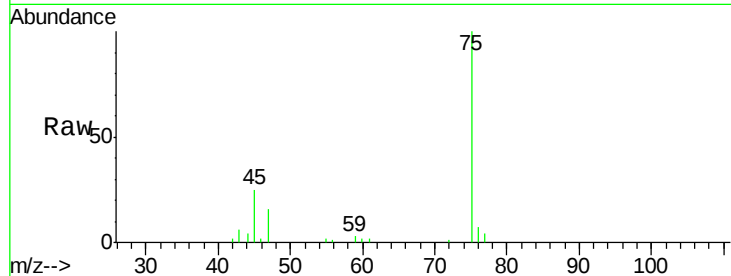




#25
2-Butanone
Concen: 4.569 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

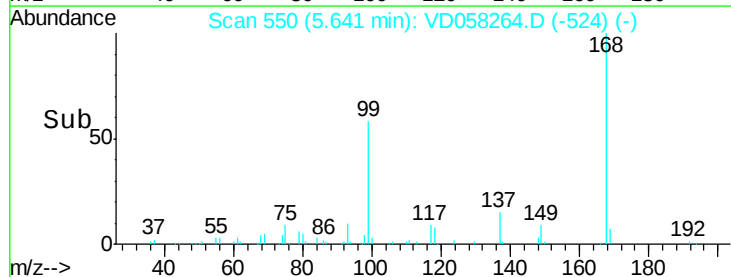
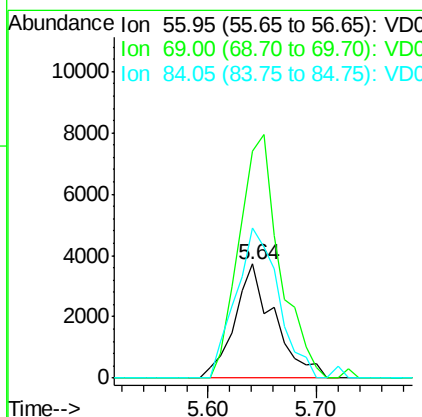
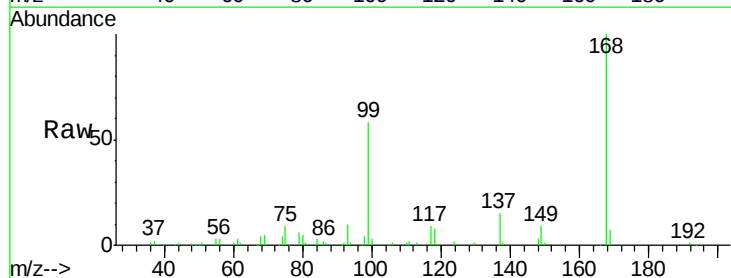
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9RE

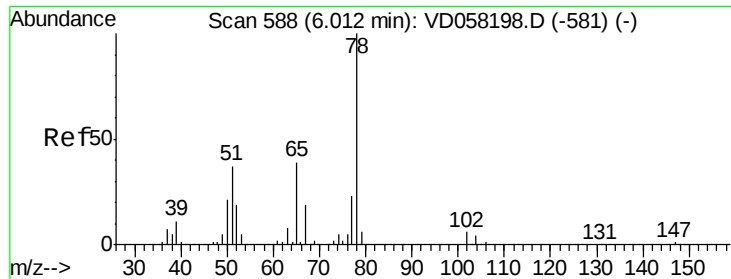
Tot Ion: 43 Resp: 5771
Ion Ratio Lower Upper
43 100
72 21.3 14.1 21.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Tgt Ion: 56 Resp: 9606
Ion Ratio Lower Upper
56 100
69 198.6 23.6 35.4#
84 131.5 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

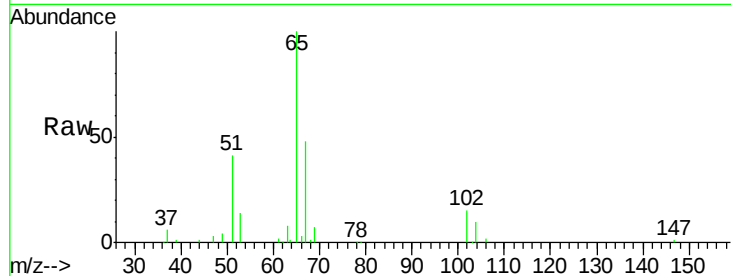
26KV-TP-9RE

Tot Ion: 65 Resp: 276156

Ion Ratio Lower Upper

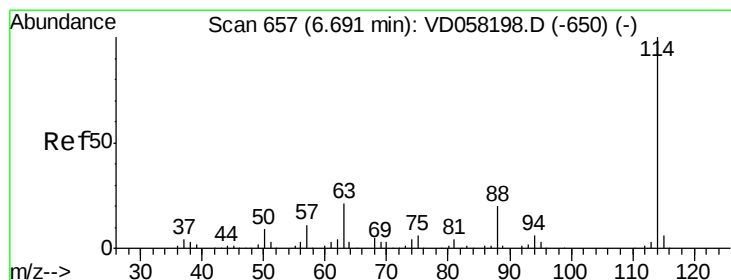
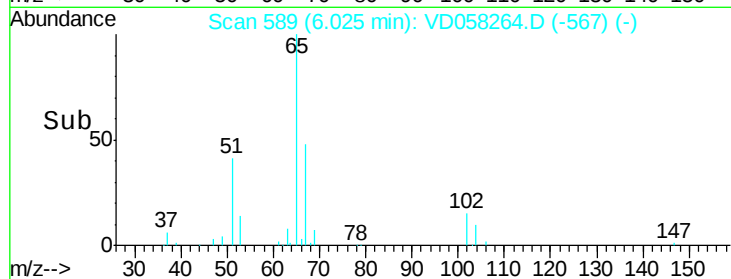
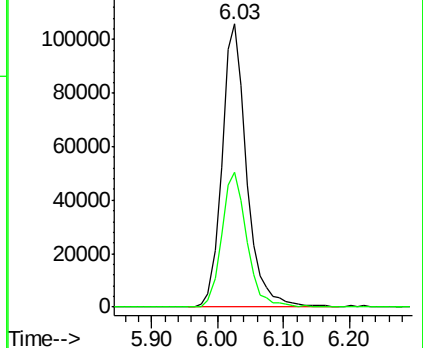
65 100

67 47.8 0.0 97.8



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: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

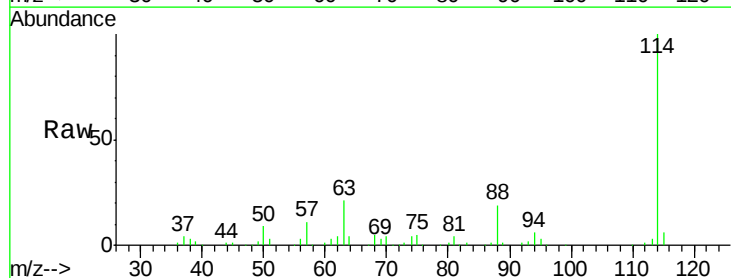
Tgt Ion: 114 Resp: 494431

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

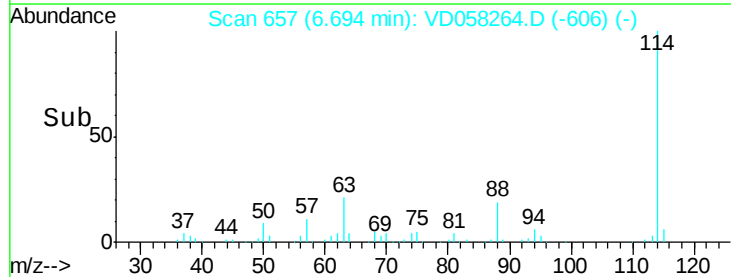
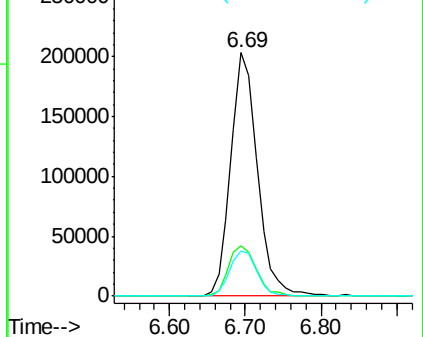
88 18.6 0.0 40.6

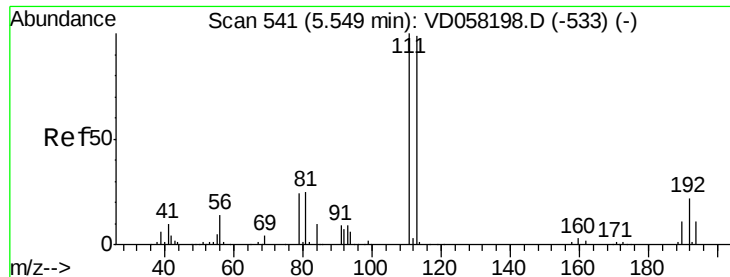


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

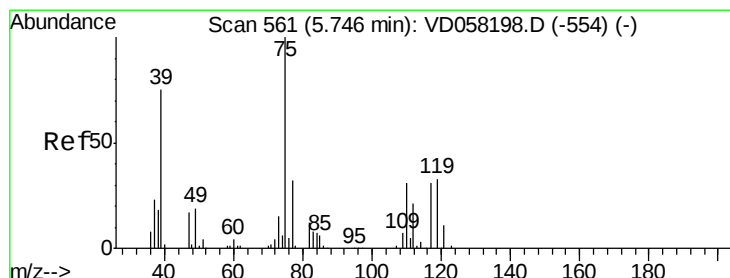
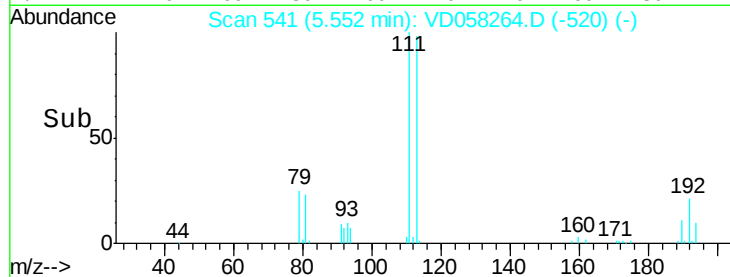
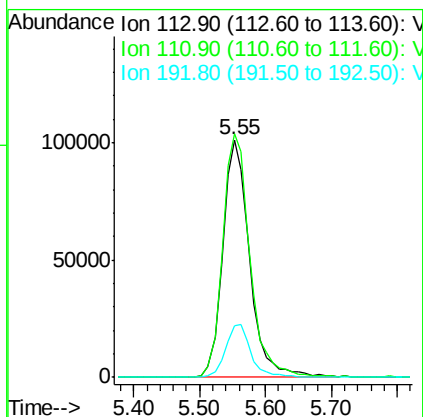
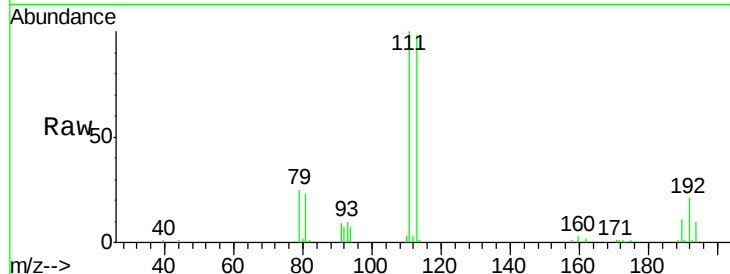




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058264.D
 Acq: 21 Jun 2018 20:47

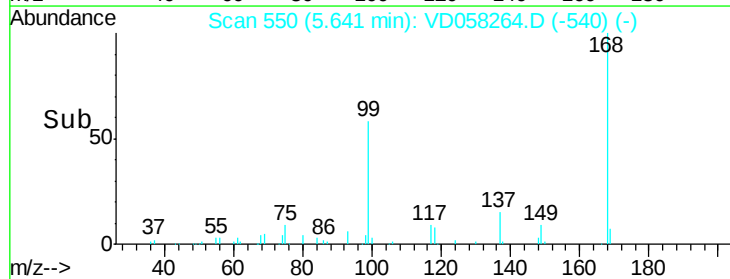
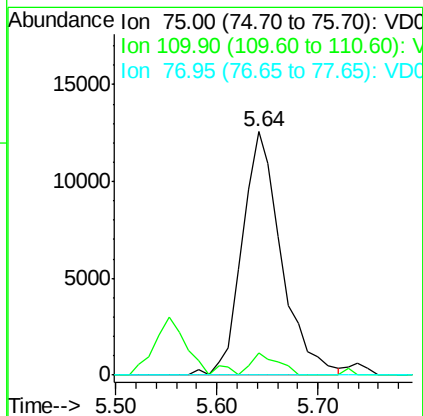
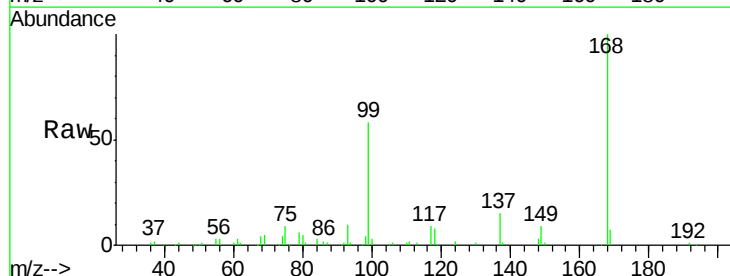
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-9RE

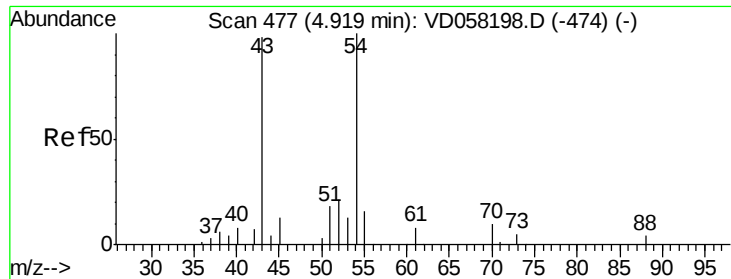
Tot Ion:113 Resp: 287995
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.6 121.0
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 6.919 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD058264.D
 Acq: 21 Jun 2018 20:47

Tgt Ion: 75 Resp: 33843
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.4 46.4#
 77 0.0 25.4 38.2#

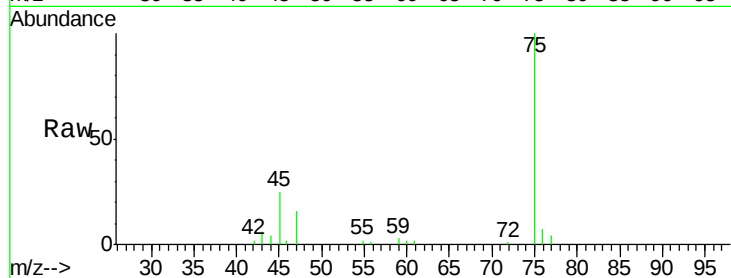




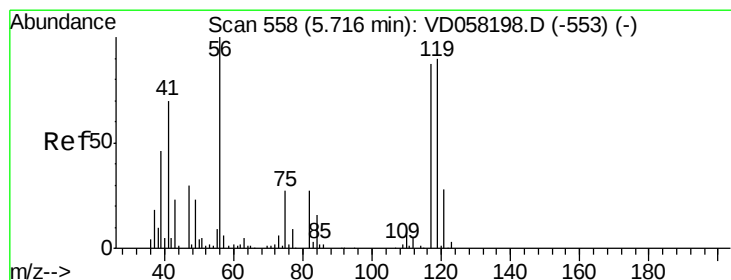
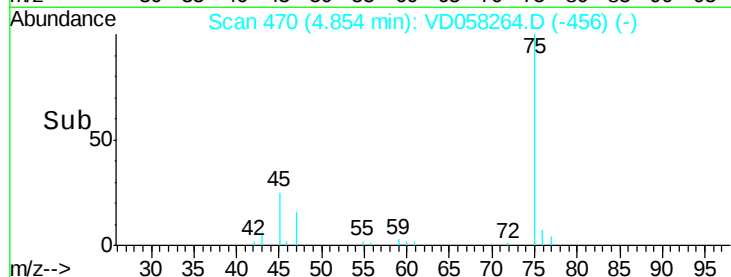
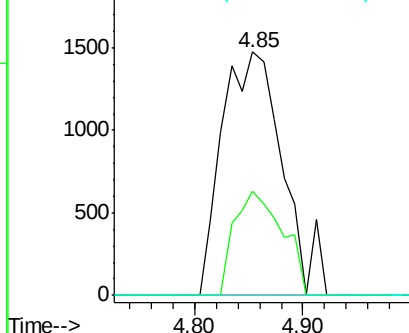
#37
Ethyl Acetate
Concen: 2.071 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.07 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9RE

Tot Ion: 43 Resp: 5771
Ion Ratio Lower Upper
43 100
61 42.5 10.3 15.5#
70 0.0 5.7 8.5#

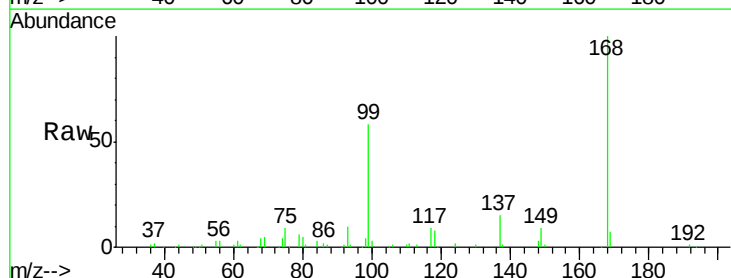


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

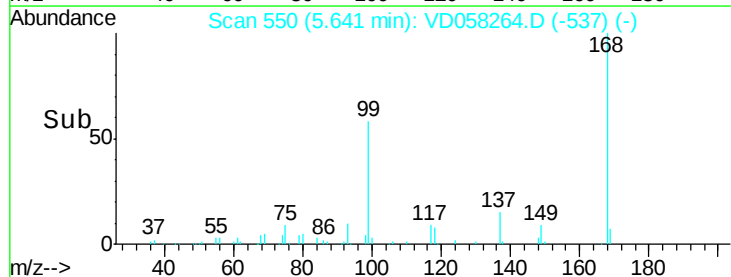
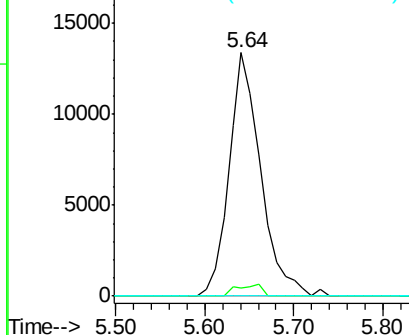


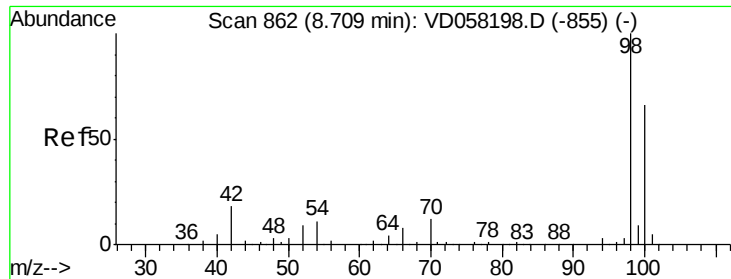
#38
Carbon Tetrachloride
Concen: 6.863 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Tgt Ion: 117 Resp: 33354
Ion Ratio Lower Upper
117 100
119 3.4 78.8 118.2#
121 0.0 25.0 37.6#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

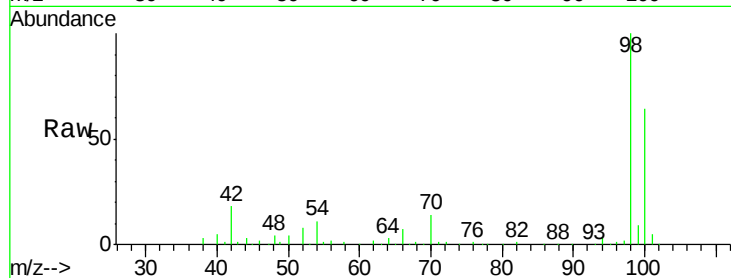
26KV-TP-9RE

Tot Ion: 98 Resp: 480435

Ion Ratio Lower Upper

98 100

100 64.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.71

250000

200000

150000

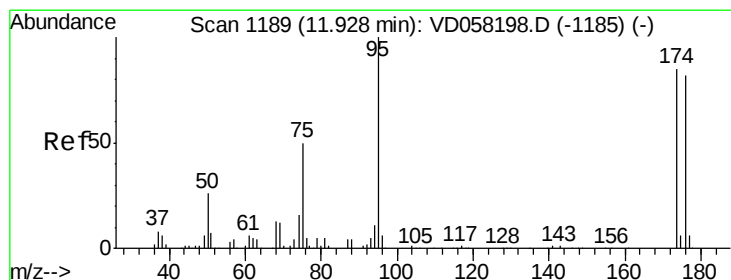
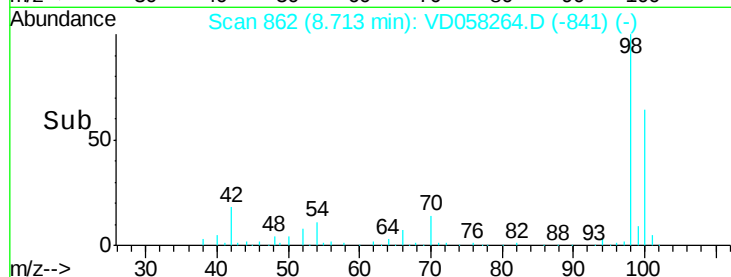
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

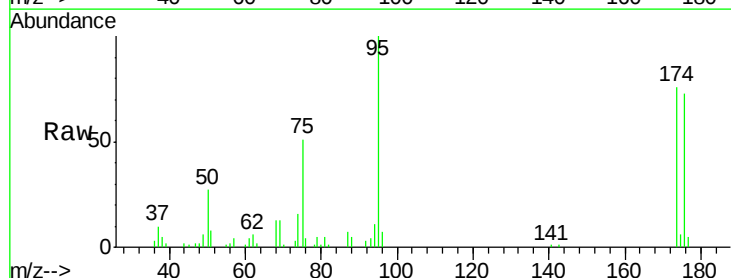
Tgt Ion: 95 Resp: 71406

Ion Ratio Lower Upper

95 100

174 76.1 0.0 170.2

176 73.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

60000

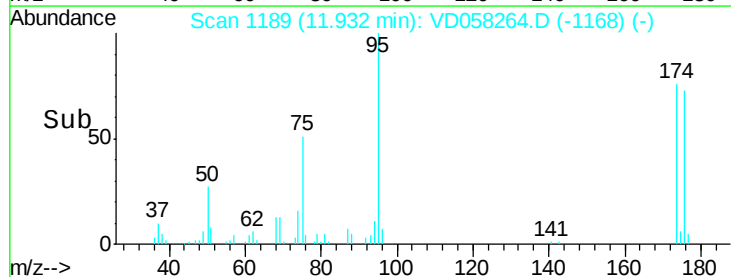
40000

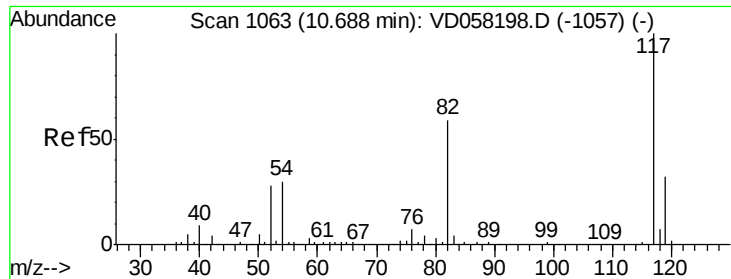
20000

0

Time-->

11.85 11.90 11.95 12.00

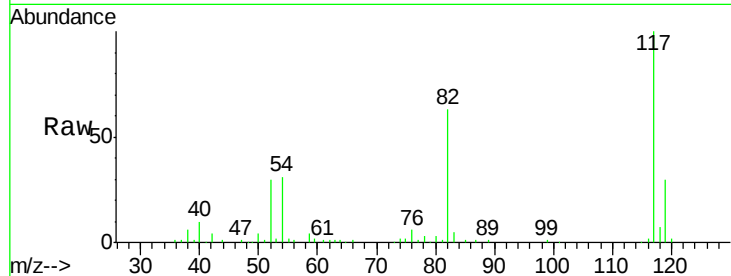




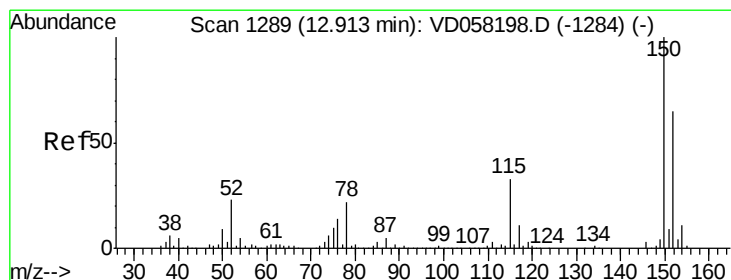
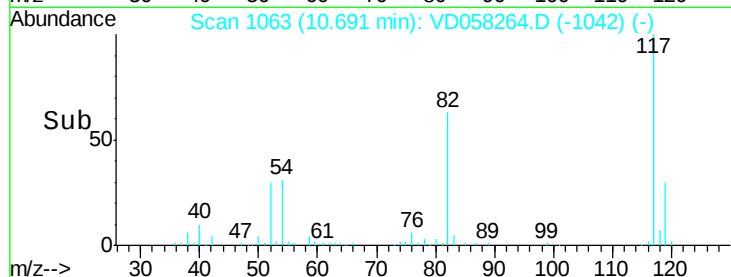
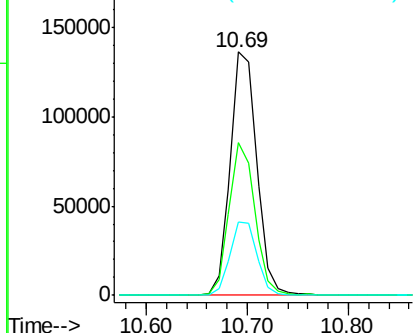
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-9RE

Tot Ion:117 Resp: 249689
Ion Ratio Lower Upper
117 100
82 62.8 47.0 70.6
119 30.2 25.3 37.9

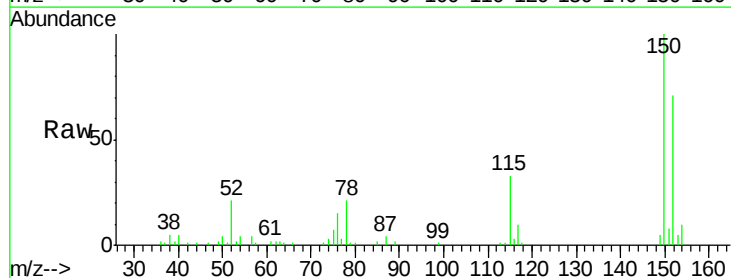


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

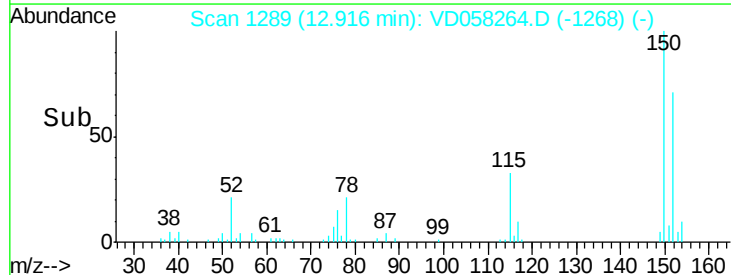
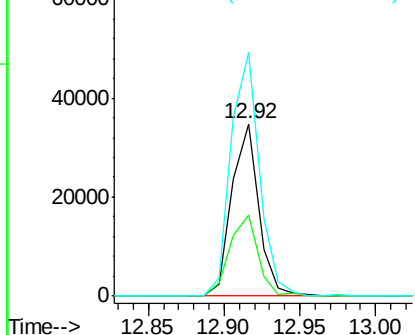


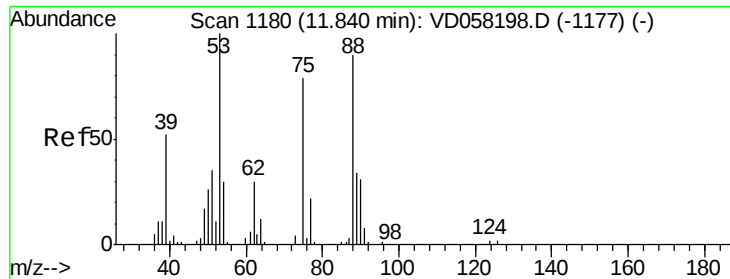
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058264.D
Acq: 21 Jun 2018 20:47

Tgt Ion:152 Resp: 43006
Ion Ratio Lower Upper
152 100
115 47.0 25.1 75.3
150 141.2 0.0 308.8



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: 221.764 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058264.D

Acq: 21 Jun 2018 20:47

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-9RE

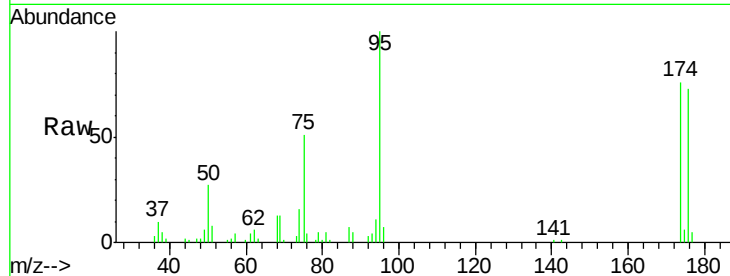
Tot Ion: 75 Resp: 33961

Ion Ratio Lower Upper

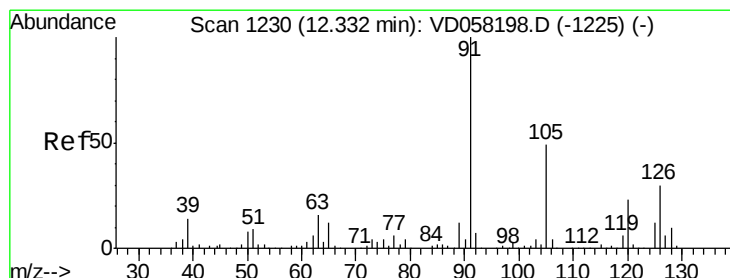
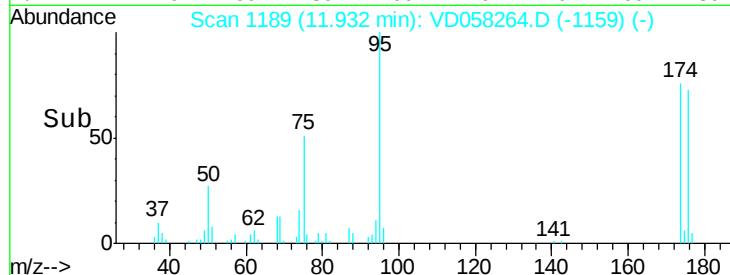
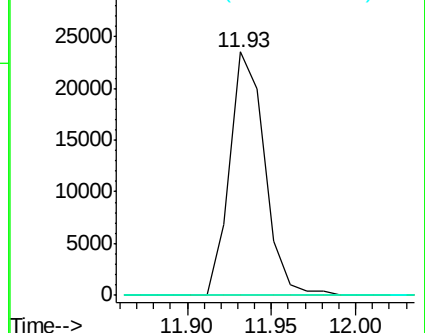
75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.28 min Scan# 1224

Delta R.T. -0.05 min

Lab File: VD058264.D

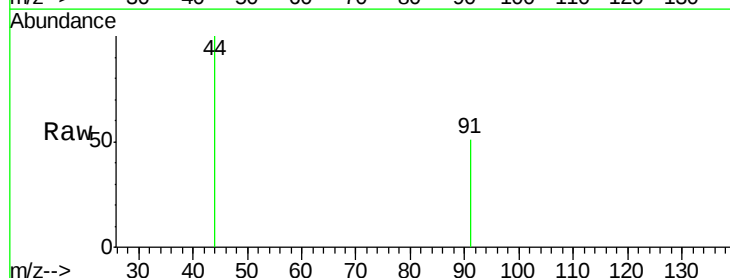
Acq: 21 Jun 2018 20:47

Tgt Ion: 91 Resp: 195

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

