

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058256.D
 Acq On : 21 Jun 2018 16:59
 Operator : VA/AP
 Sample : J3603-07RE
 Misc : 5.50µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-4RE

Quant Time: Jun 22 06:16:05 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	188647	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	258938	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	215882	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	94406	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	163566	85.84	ug/l	0.02
Spiked Amount			Recovery	=	171.68%	
35) Dibromofluoromethane	5.55	113	132103	62.68	ug/l	0.00
Spiked Amount			Recovery	=	125.36%	
50) Toluene-d8	8.72	98	252586	49.54	ug/l	0.02
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.94	95	101813	48.88	ug/l	0.02
Spiked Amount			Recovery	=	97.76%	

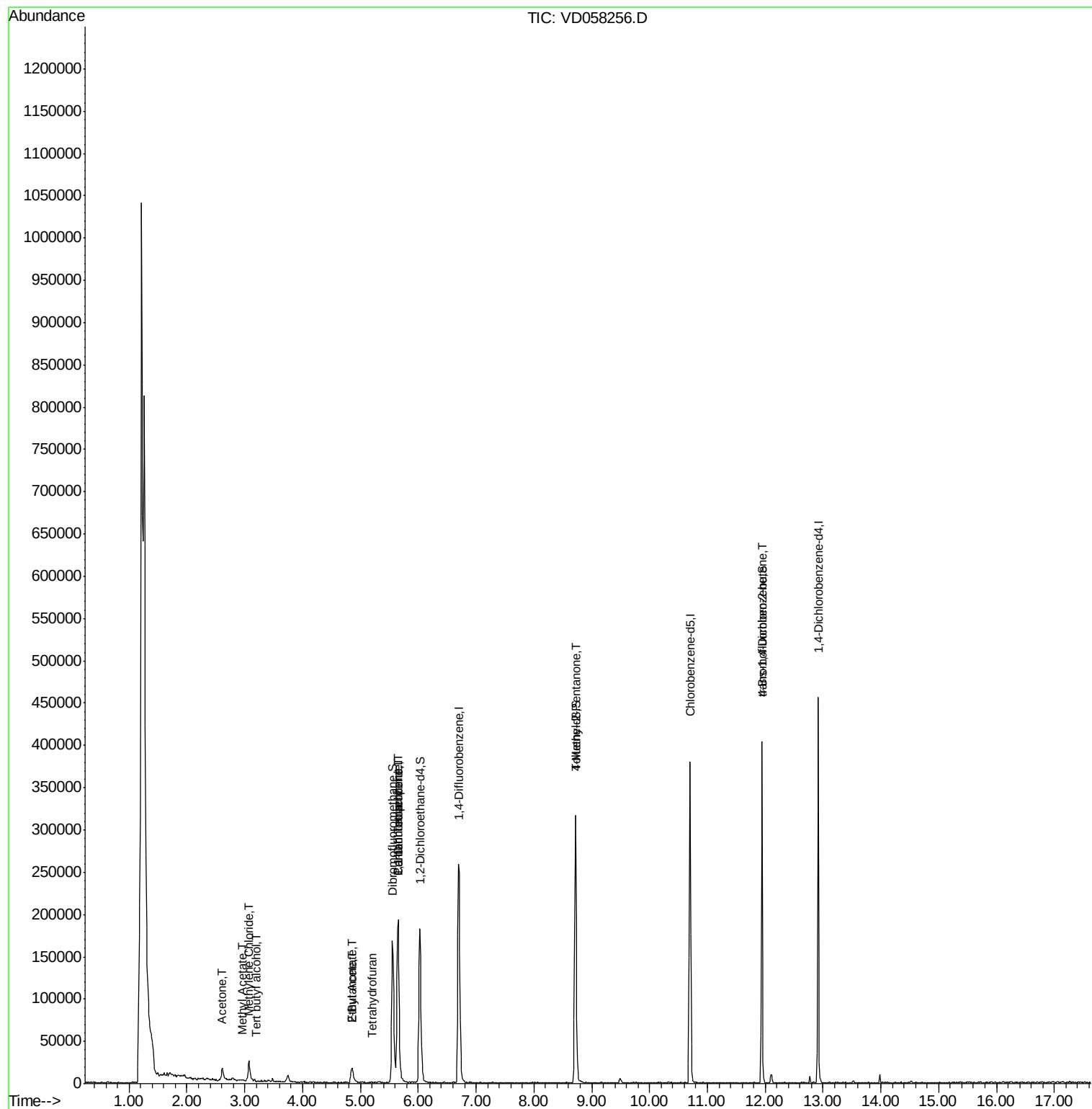
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.47	50	183	Below Cal	#	43
11) Tert butyl alcohol	3.19	59	190	3.023	ug/l #	78
16) Acetone	2.61	43	29308	112.468	ug/l #	86
18) Methyl Acetate	2.95	43	1360	2.447	ug/l #	65
20) Methylene Chloride	3.07	84	11286	13.070	ug/l	85
25) 2-Butanone	4.86	43	3073	5.411	ug/l #	60
29) Tetrahydrofuran	5.21	42	663	2.193	ug/l #	37
31) Cyclohexane	5.65	56	4293	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	16173	6.314	ug/l #	48
37) Ethyl Acetate	4.86	43	3073	2.106	ug/l #	72
38) Carbon Tetrachloride	5.64	117	14816	5.821	ug/l #	11
51) 4-Methyl-2-Pentanone	8.71	43	1443	1.137	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.94	75	50706	150.834	ug/l #	1
82) 4-Chlorotoluene	12.34	91	203	Below Cal	#	1

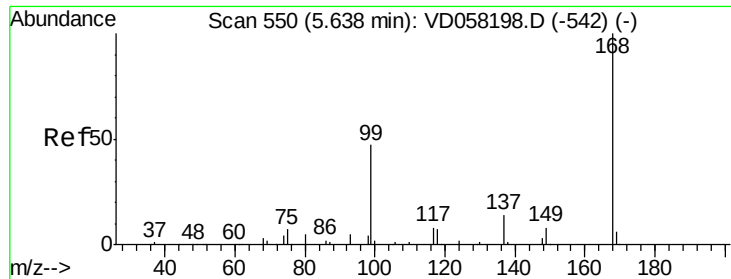
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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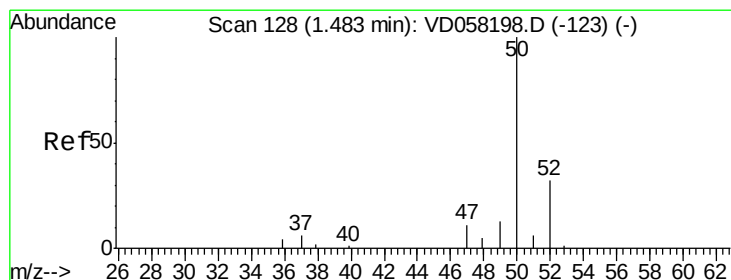
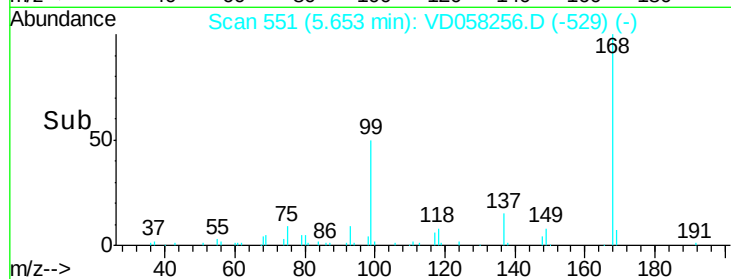
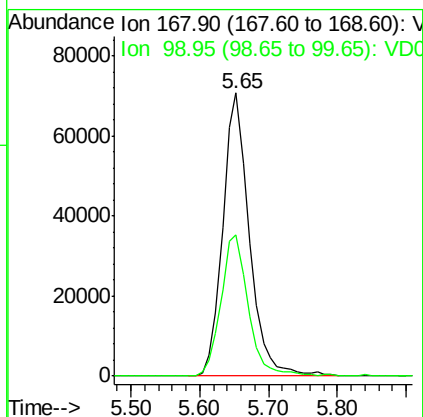
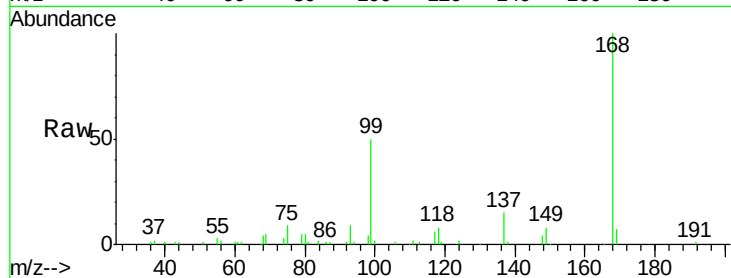




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

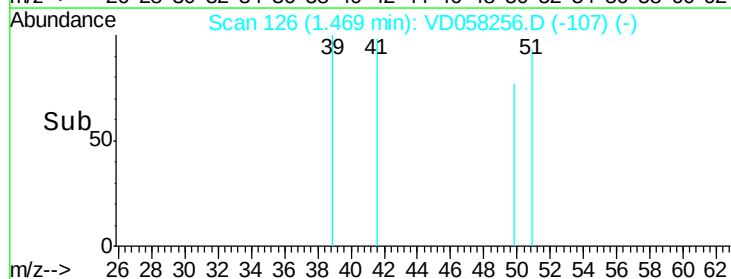
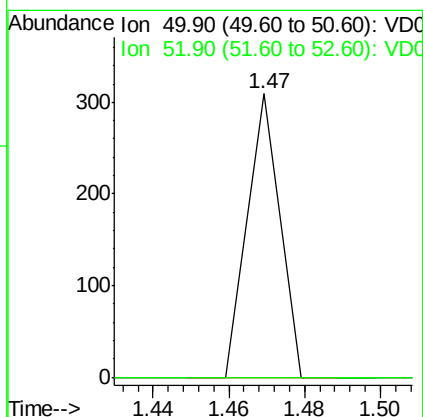
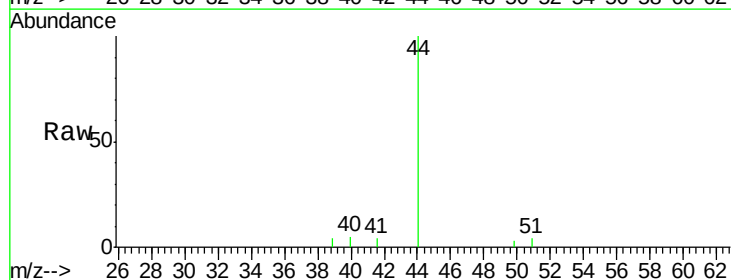
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-4RE

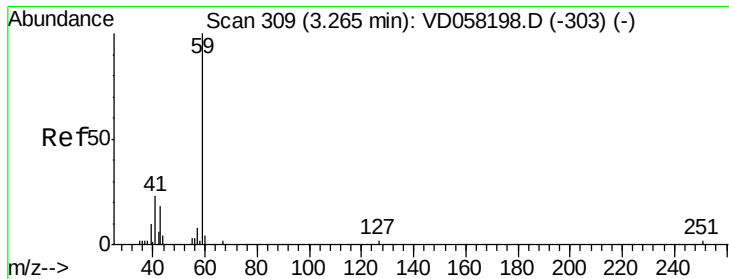
Tot Ion:168 Resp: 188647
Ion Ratio Lower Upper
168 100
99 50.1 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 1.47 min Scan# 126
Delta R.T. -0.01 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Tgt Ion: 50 Resp: 183
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



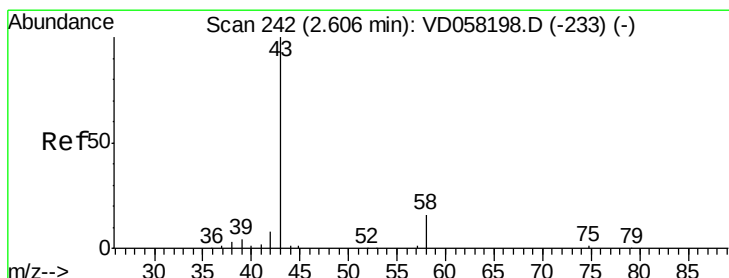
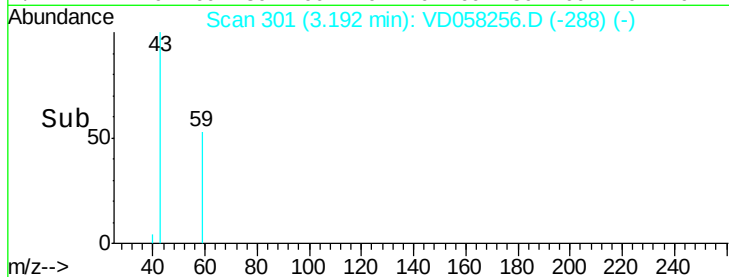
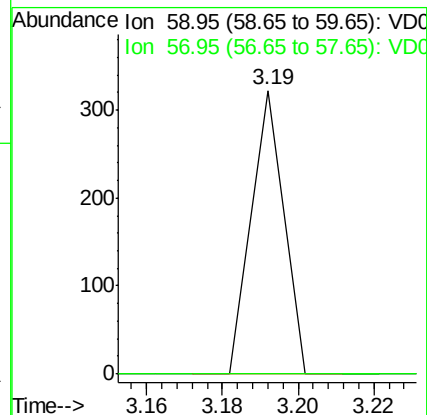
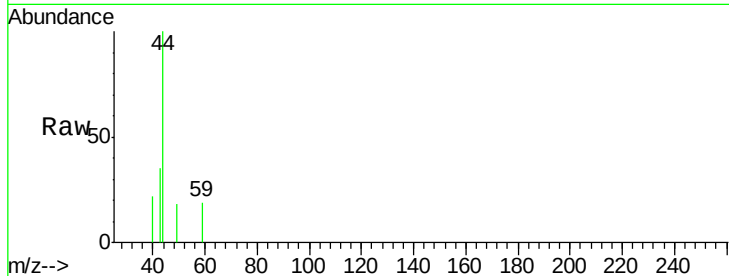


#11

Tert butyl alcohol
Concen: 3.023 ug/l
RT: 3.19 min Scan# 301
Delta R.T. -0.07 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-4RE

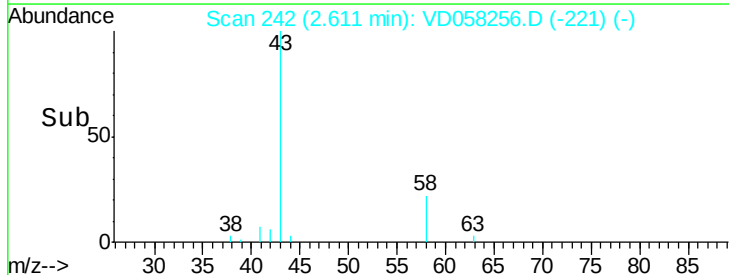
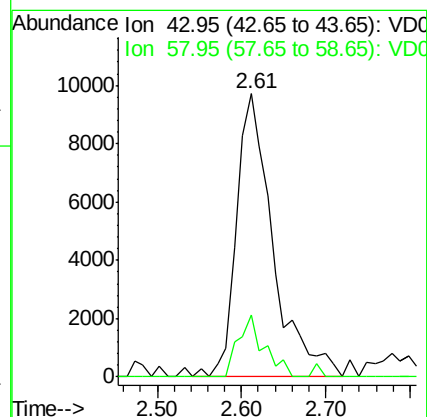
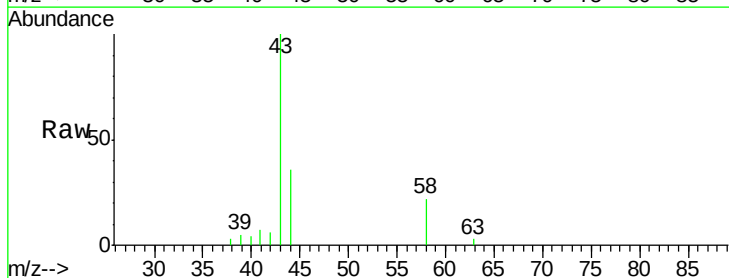
Tot Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.4#

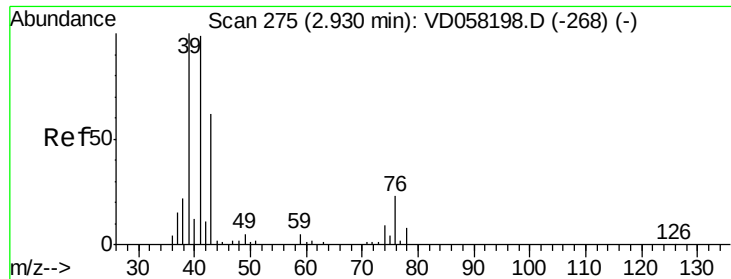


#16

Acetone
Concen: 112.468 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Tgt Ion: 43 Resp: 29308
Ion Ratio Lower Upper
43 100
58 21.8 12.7 19.1#

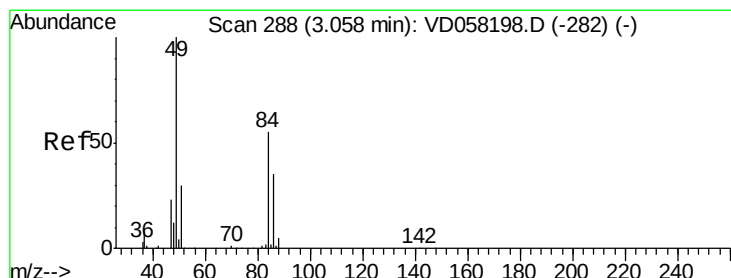
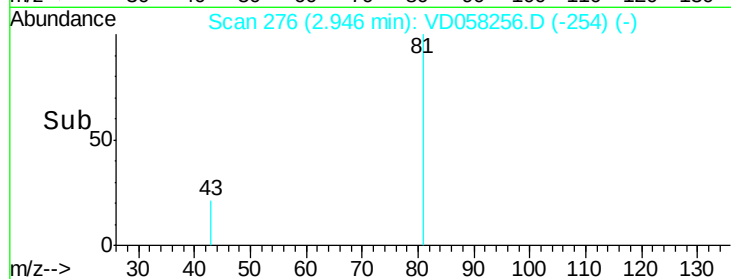
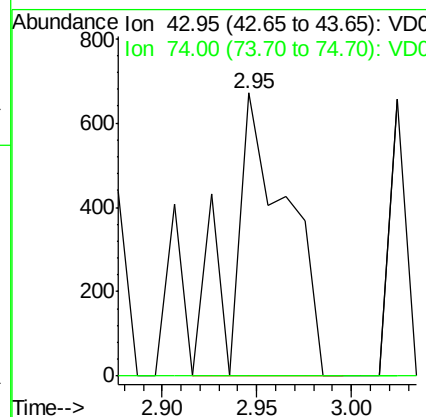
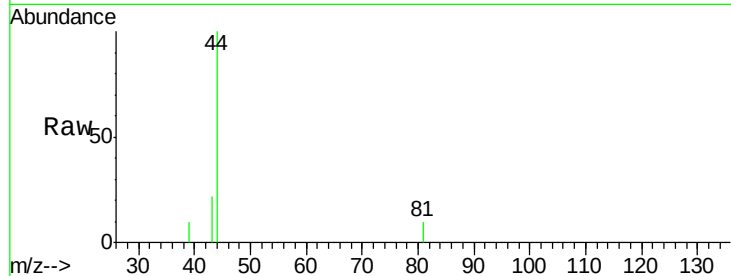




#18
Methyl Acetate
Concen: 2.447 ug/l
RT: 2.95 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

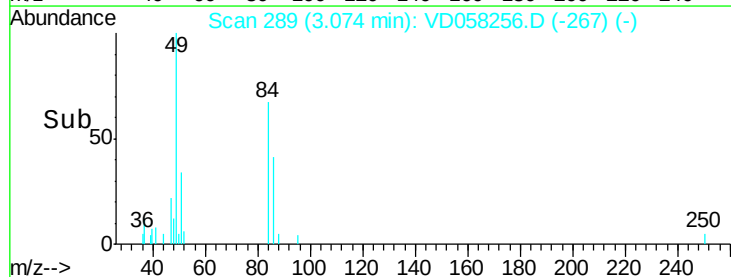
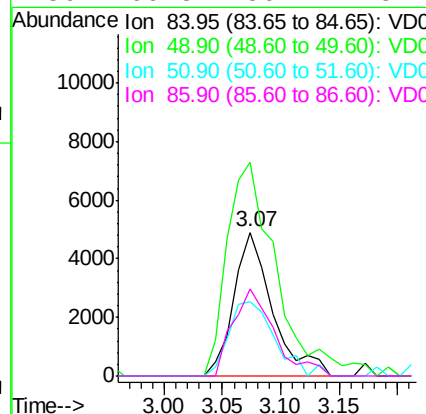
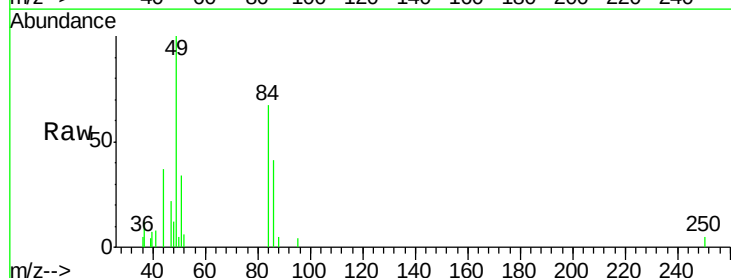
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-4RE

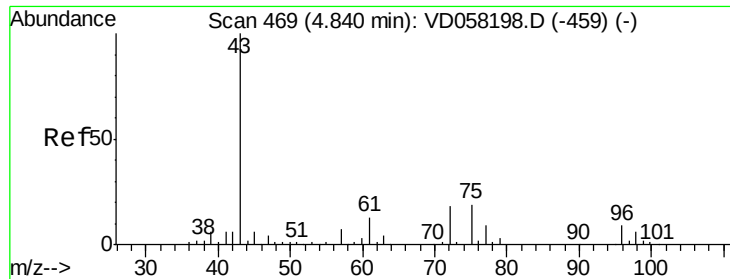
Tot Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 13.070 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Tgt Ion: 84 Resp: 11286
Ion Ratio Lower Upper
84 100
49 148.5 145.0 217.6
51 51.2 42.9 64.3
86 60.8 50.1 75.1





#25

2-Butanone

Concen: 5.411 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

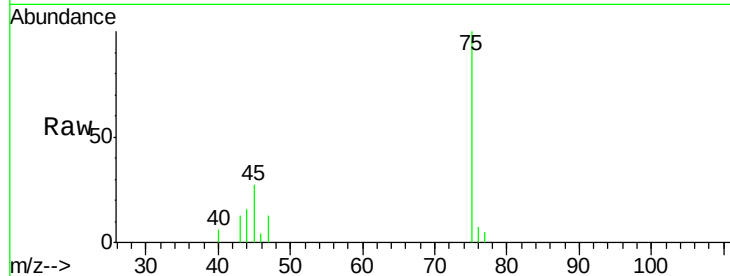
26KV-TP-4RE

Tot Ion: 43 Resp: 3073

Ion Ratio Lower Upper

43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.86

1500

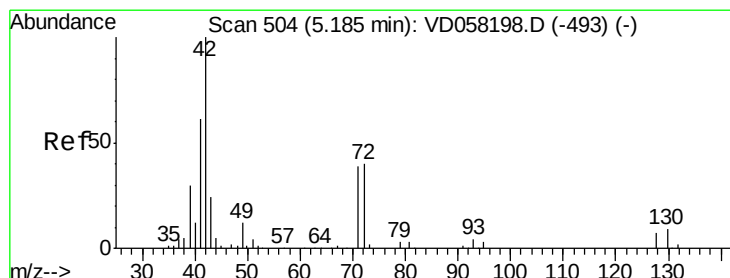
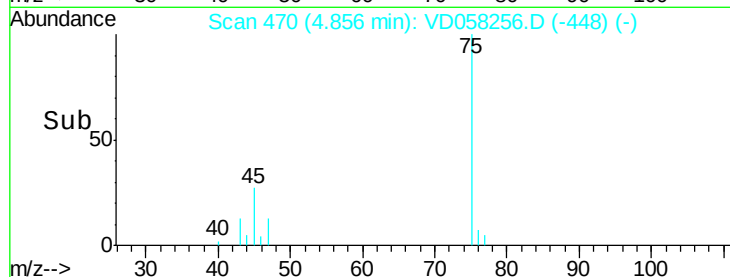
1000

500

0

4.80 4.85 4.90

Time-->



#29

Tetrahydrofuran

Concen: 2.193 ug/l

RT: 5.21 min Scan# 506

Delta R.T. 0.03 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

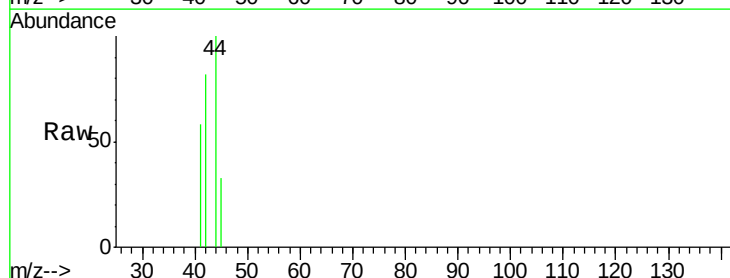
Tgt Ion: 42 Resp: 663

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

71 0.0 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

5.21

1000

800

600

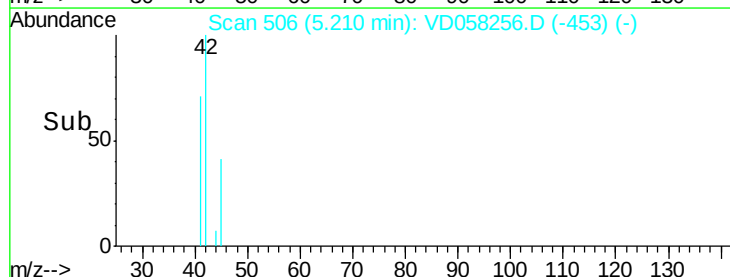
400

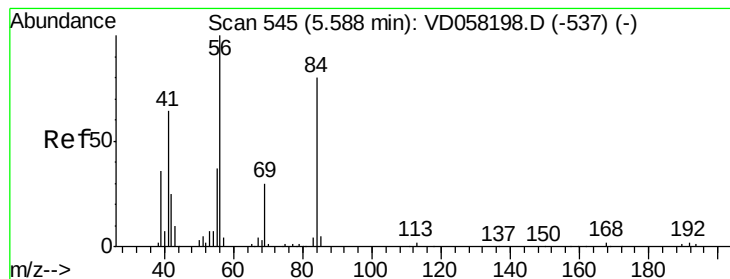
200

0

5.15 5.20 5.25

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-4RE

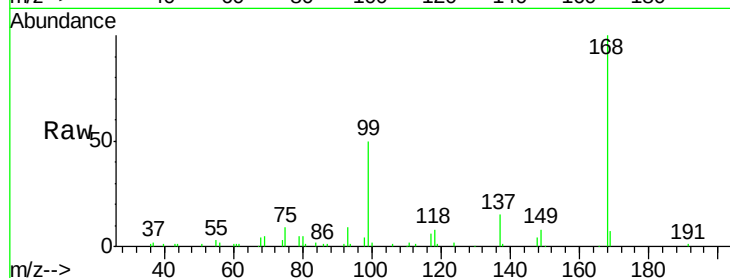
Tot Ion: 56 Resp: 4293

Ion Ratio Lower Upper

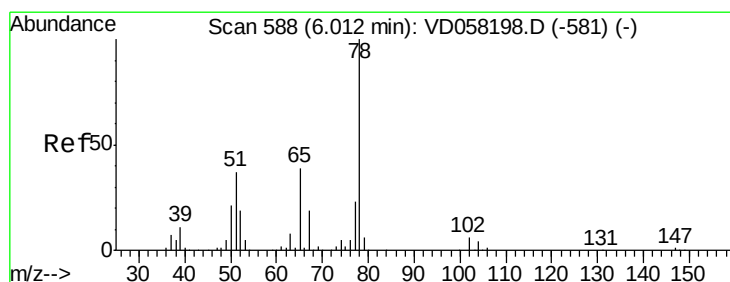
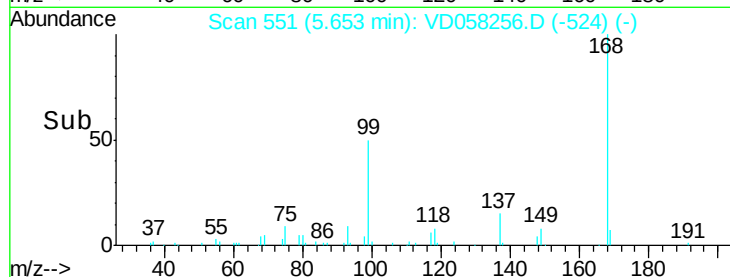
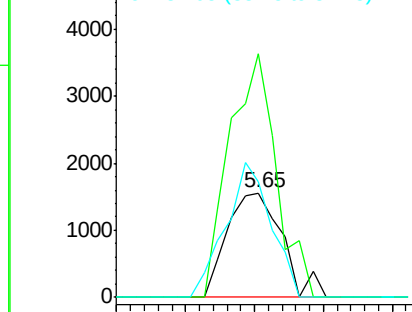
56 100

69 232.7 23.6 35.4#

84 110.5 65.2 97.8#



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: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058256.D

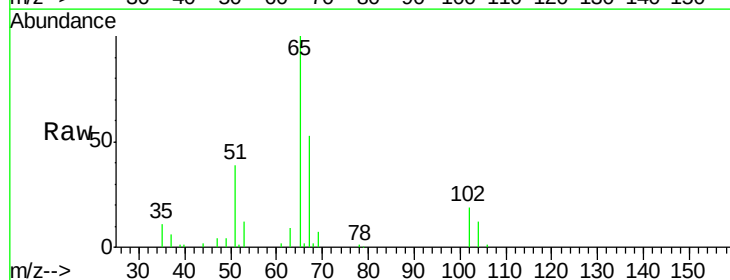
Acq: 21 Jun 2018 16:59

Tgt Ion: 65 Resp: 163566

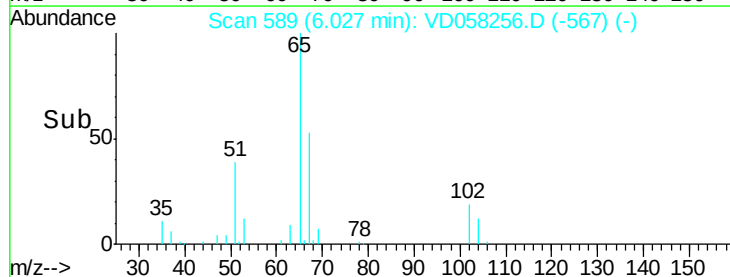
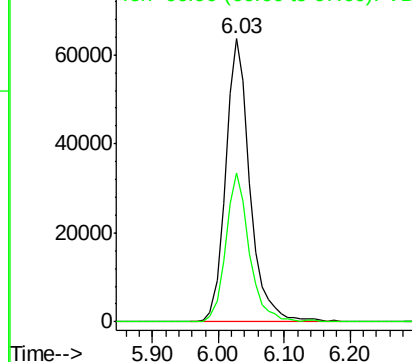
Ion Ratio Lower Upper

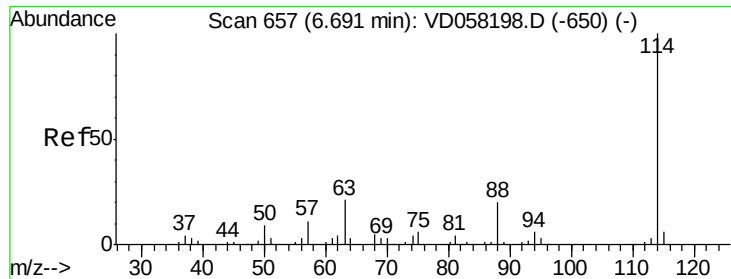
65 100

67 52.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

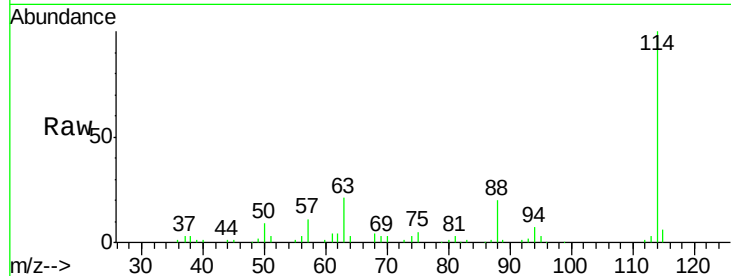




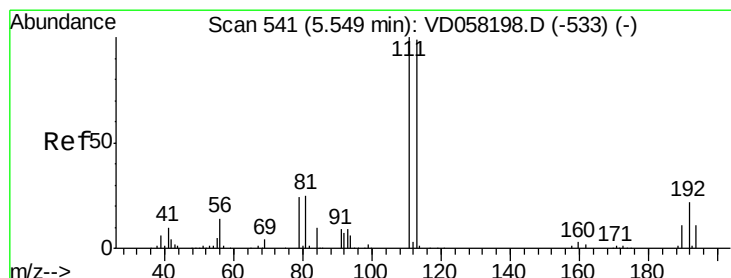
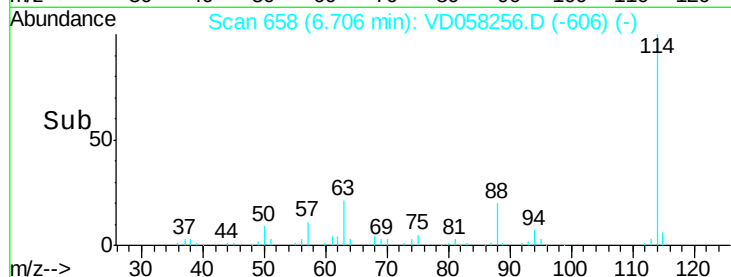
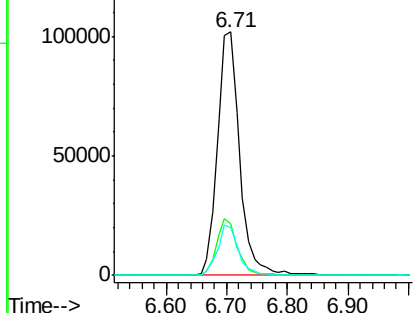
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.71 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD058256.D
 Acq: 21 Jun 2018 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-4RE

Tot Ion:114 Resp: 258938
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 19.5 0.0 40.6

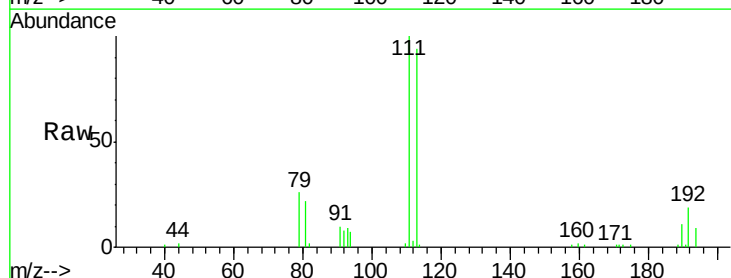


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

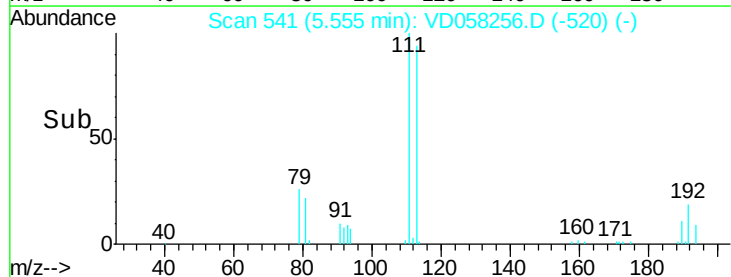
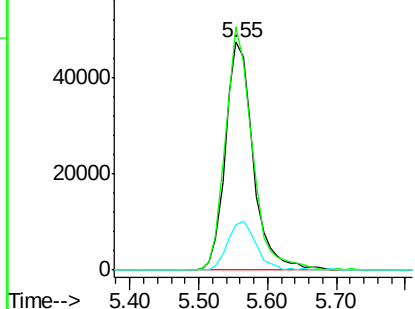


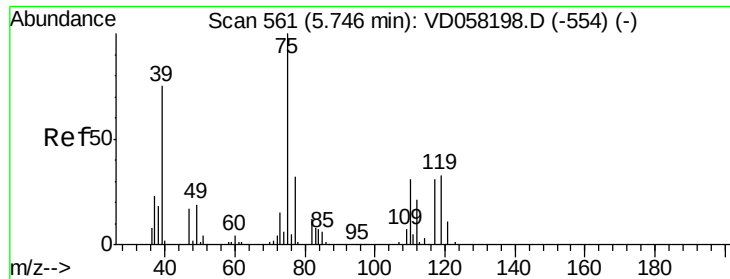
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD058256.D
 Acq: 21 Jun 2018 16:59

Tgt Ion:113 Resp: 132103
 Ion Ratio Lower Upper
 113 100
 111 106.9 80.6 121.0
 192 20.1 17.8 26.6



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

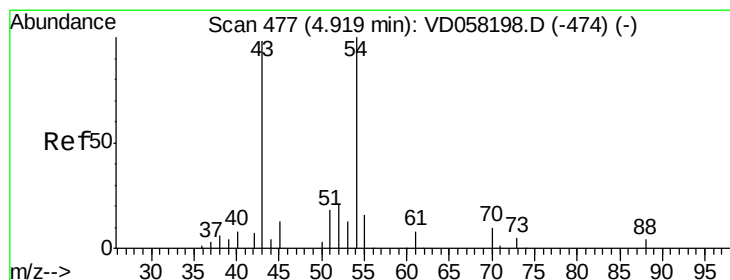
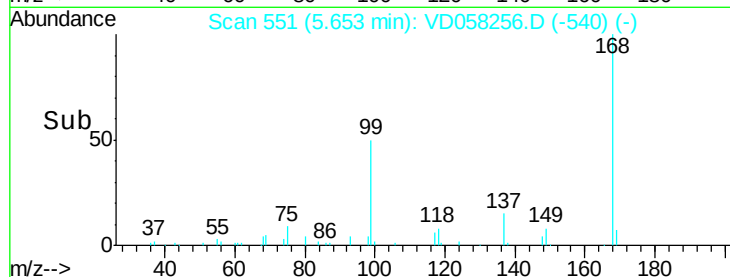
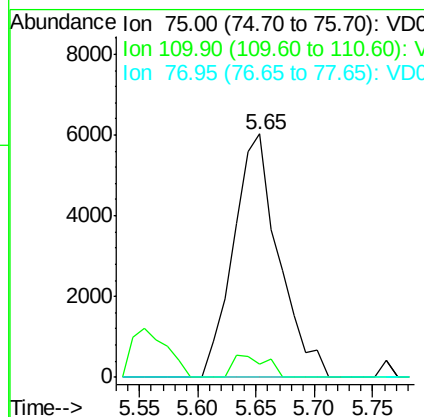
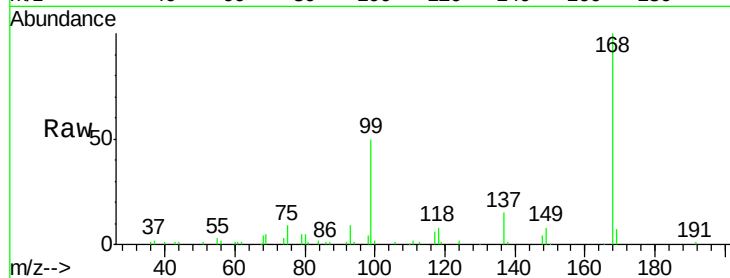




#36
 1,1-Dichloropropene
 Concen: 6.314 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.09 min
 Lab File: VD058256.D
 Acq: 21 Jun 2018 16:59

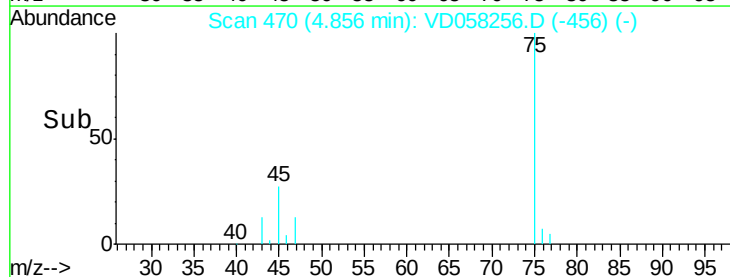
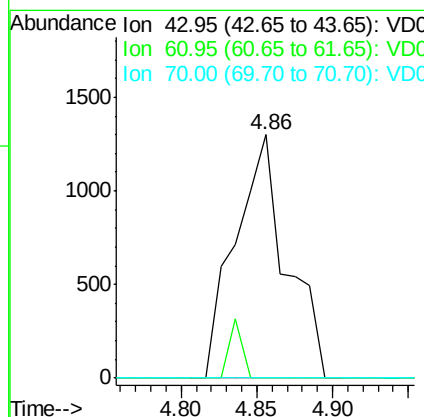
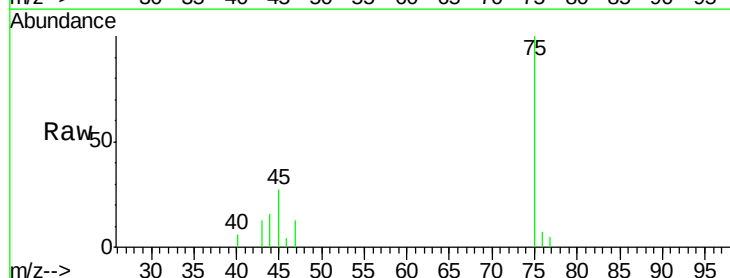
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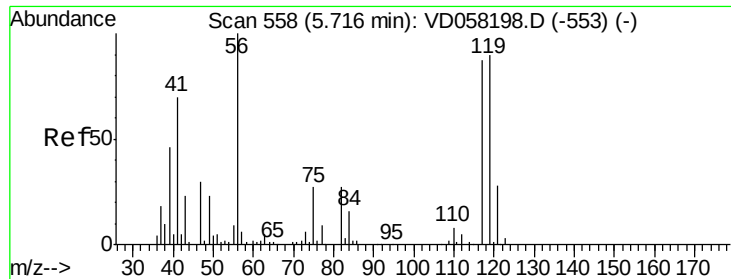
Tot Ion: 75 Resp: 16173
 Ion Ratio Lower Upper
 75 100
 110 5.2 15.4 46.4#
 77 0.0 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 2.106 ug/l
 RT: 4.86 min Scan# 470
 Delta R.T. -0.06 min
 Lab File: VD058256.D
 Acq: 21 Jun 2018 16:59

Tgt Ion: 43 Resp: 3073
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.3 15.5#
 70 0.0 5.7 8.5#

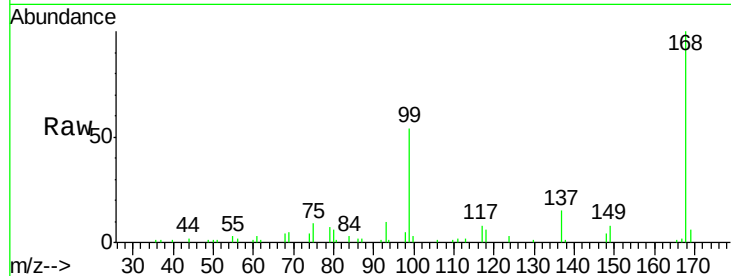




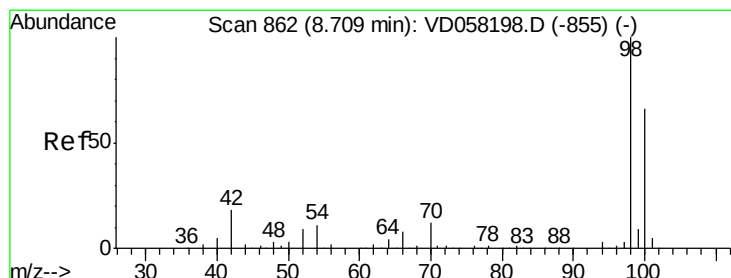
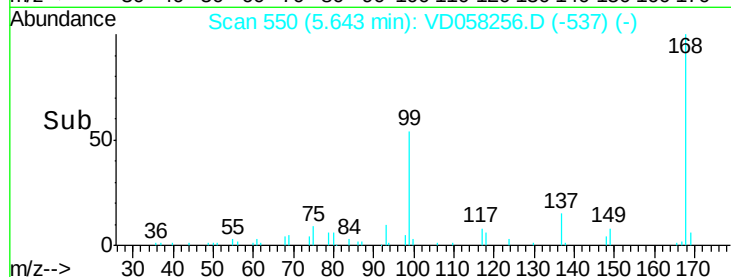
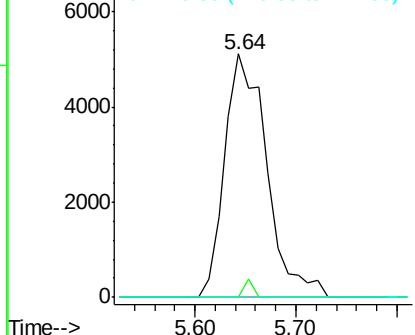
#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.07 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-4RE

Tot Ion:117 Resp: 14816
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 25.0 37.6#

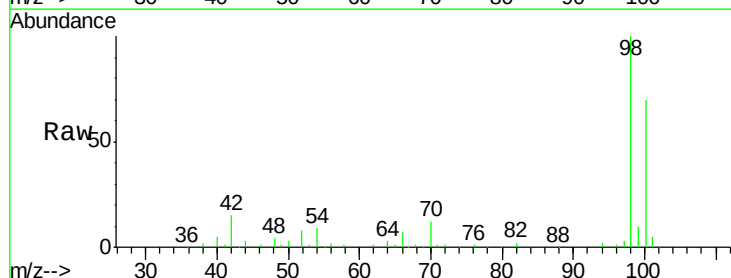


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

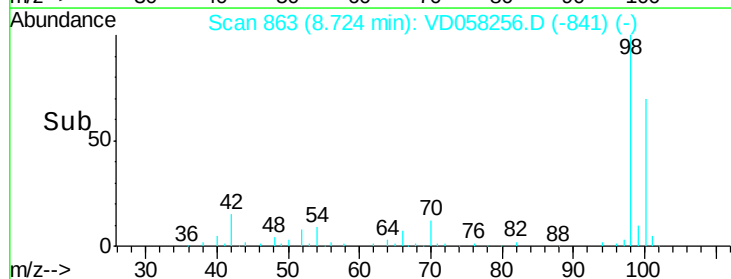
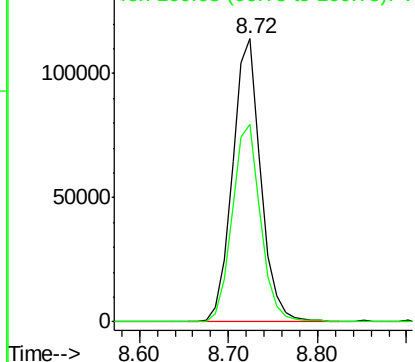


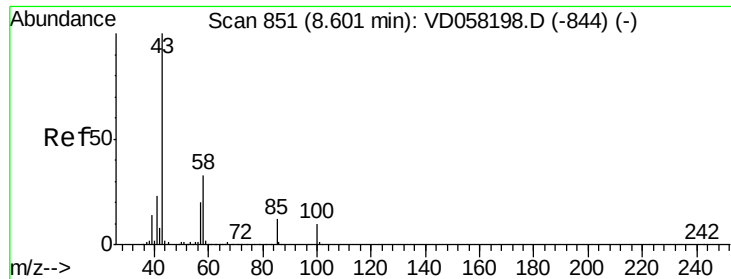
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.02 min
Lab File: VD058256.D
Acq: 21 Jun 2018 16:59

Tgt Ion: 98 Resp: 252586
Ion Ratio Lower Upper
98 100
100 69.6 53.6 80.4



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: 1.137 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

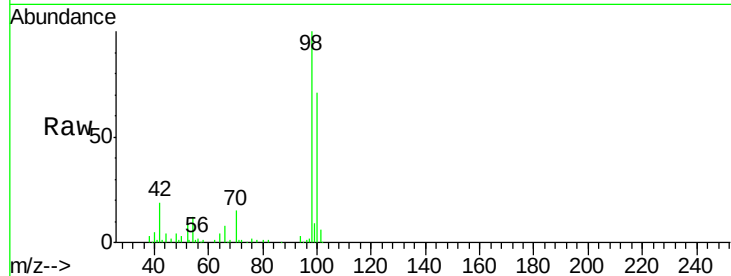
26KV-TP-4RE

Tot Ion: 43 Resp: 1443

Ion Ratio Lower Upper

43 100

58 99.0 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

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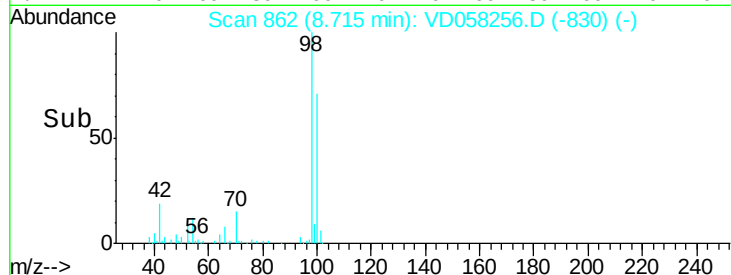
8.71

8.71

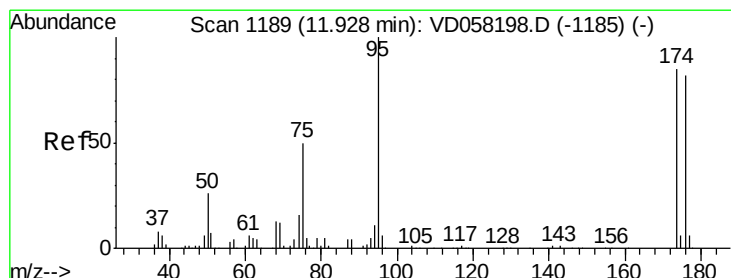
8.71

8.71

8.71



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

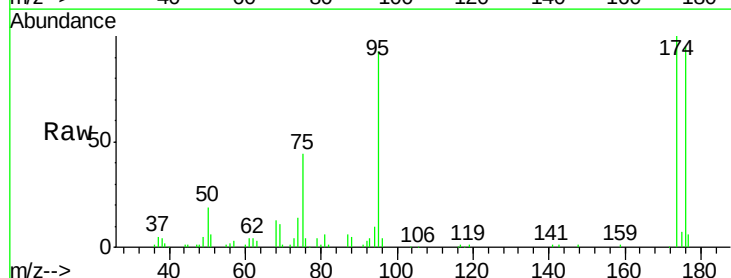
Tgt Ion: 95 Resp: 101813

Ion Ratio Lower Upper

95 100

174 107.5 0.0 170.2

176 102.5 0.0 164.6



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

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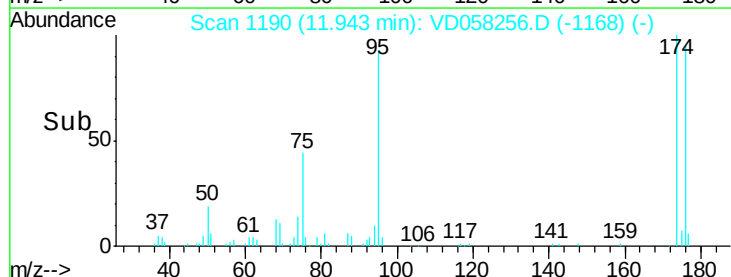
11.94

11.94

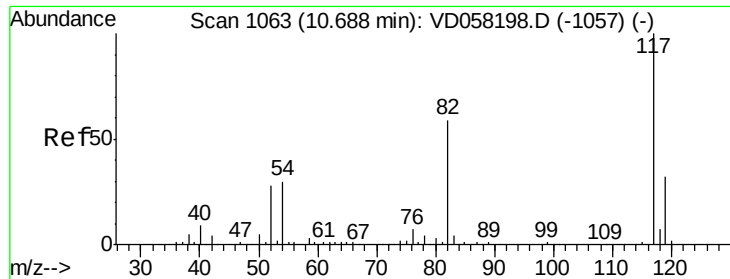
11.94

11.94

11.94



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.02 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-4RE

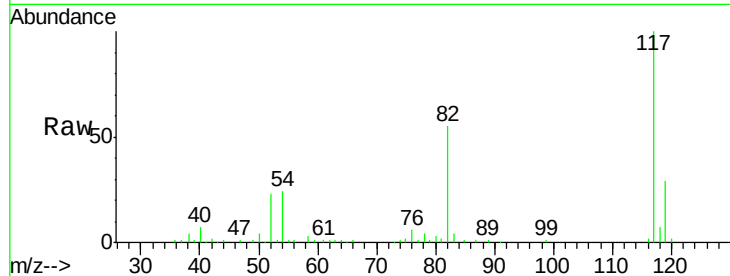
Tot Ion:117 Resp: 215882

Ion Ratio Lower Upper

117 100

82 54.8 47.0 70.6

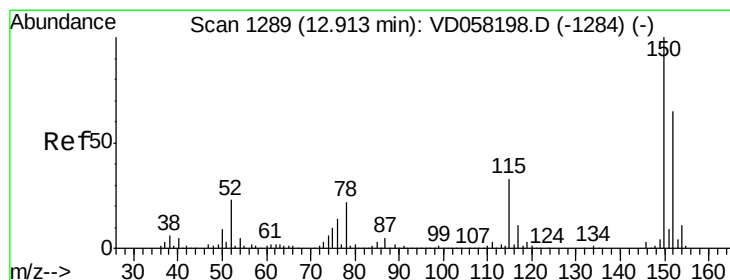
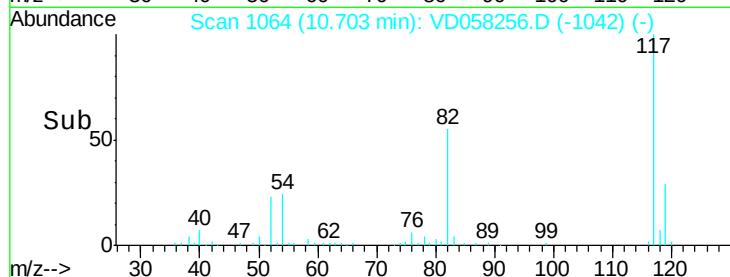
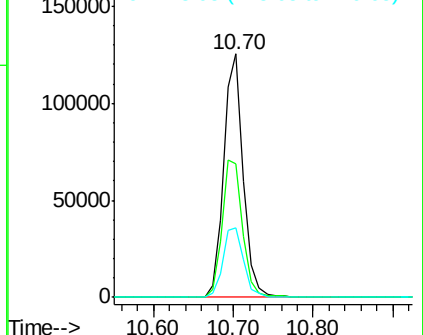
119 28.6 25.3 37.9



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. 0.01 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

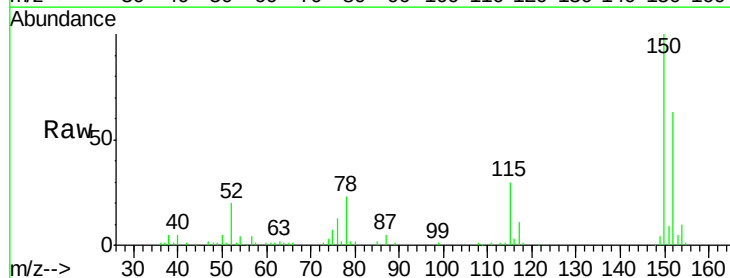
Tgt Ion:152 Resp: 94406

Ion Ratio Lower Upper

152 100

115 47.4 25.1 75.3

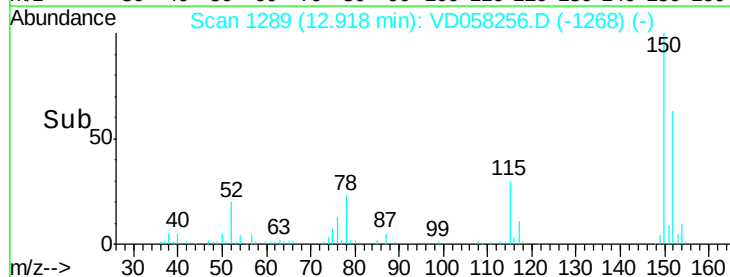
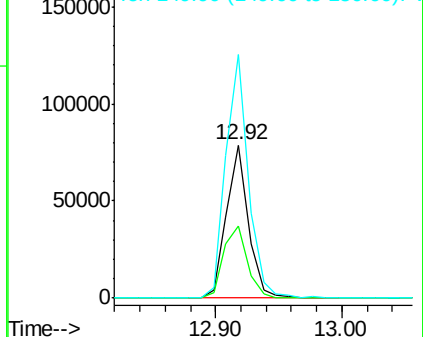
150 159.4 0.0 308.8

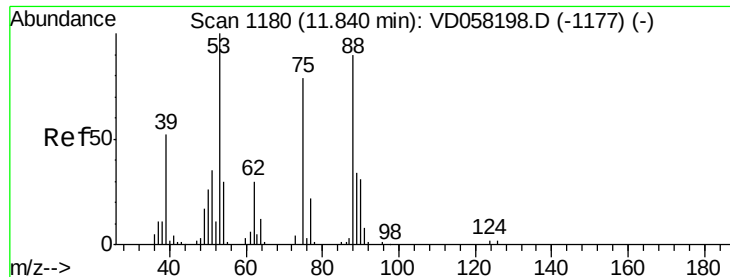


Abundance Ion 151.90 (151.60 to 152.60): V

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: 150.834 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058256.D

Acq: 21 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-4RE

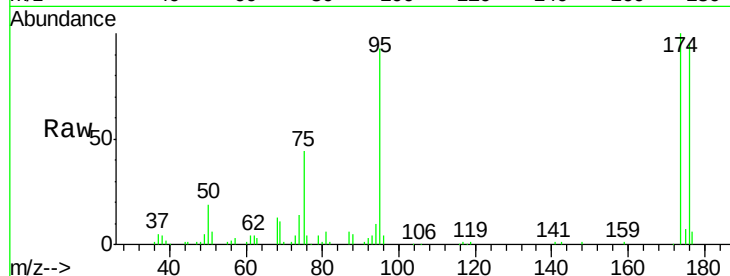
Tot Ion: 75 Resp: 50706

Ion Ratio Lower Upper

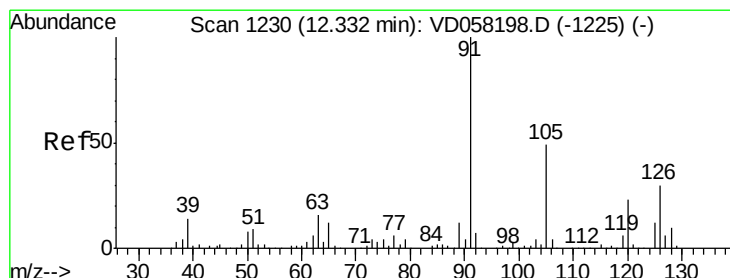
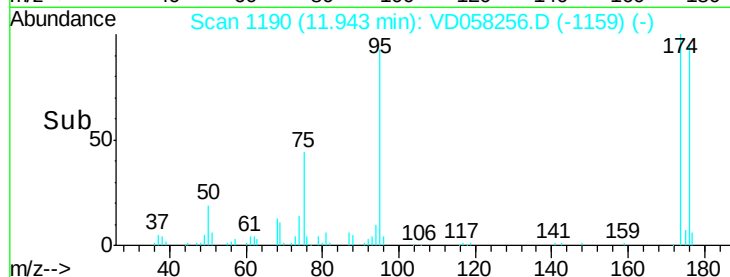
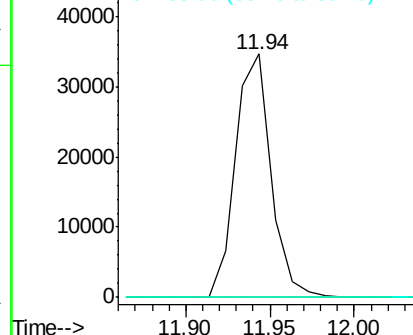
75 100

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: 12.34 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD058256.D

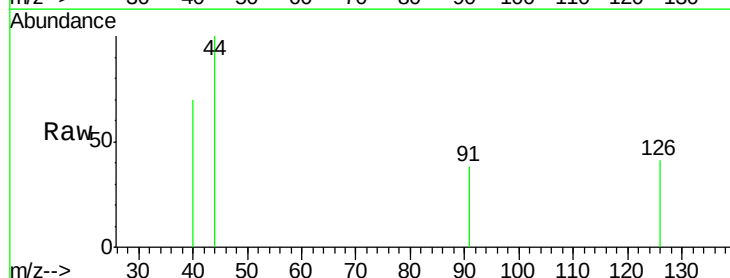
Acq: 21 Jun 2018 16:59

Tgt Ion: 91 Resp: 203

Ion Ratio Lower Upper

91 100

126 108.7 14.9 44.9#



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

