

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058261.D
 Acq On : 21 Jun 2018 19:21
 Operator : VA/AP
 Sample : J3603-09
 Misc : 2.87g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-5

Quant Time: Jun 22 06:17:02 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	55156	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	74873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	60200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	22186	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	45717	82.06	ug/l	0.01
Spiked Amount			Recovery	=	164.12%	
35) Dibromofluoromethane	5.56	113	32631	53.55	ug/l	0.01
Spiked Amount			Recovery	=	107.10%	
50) Toluene-d8	8.71	98	68801	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	11.94	95	23836	39.58	ug/l	0.01
Spiked Amount			Recovery	=	79.16%	

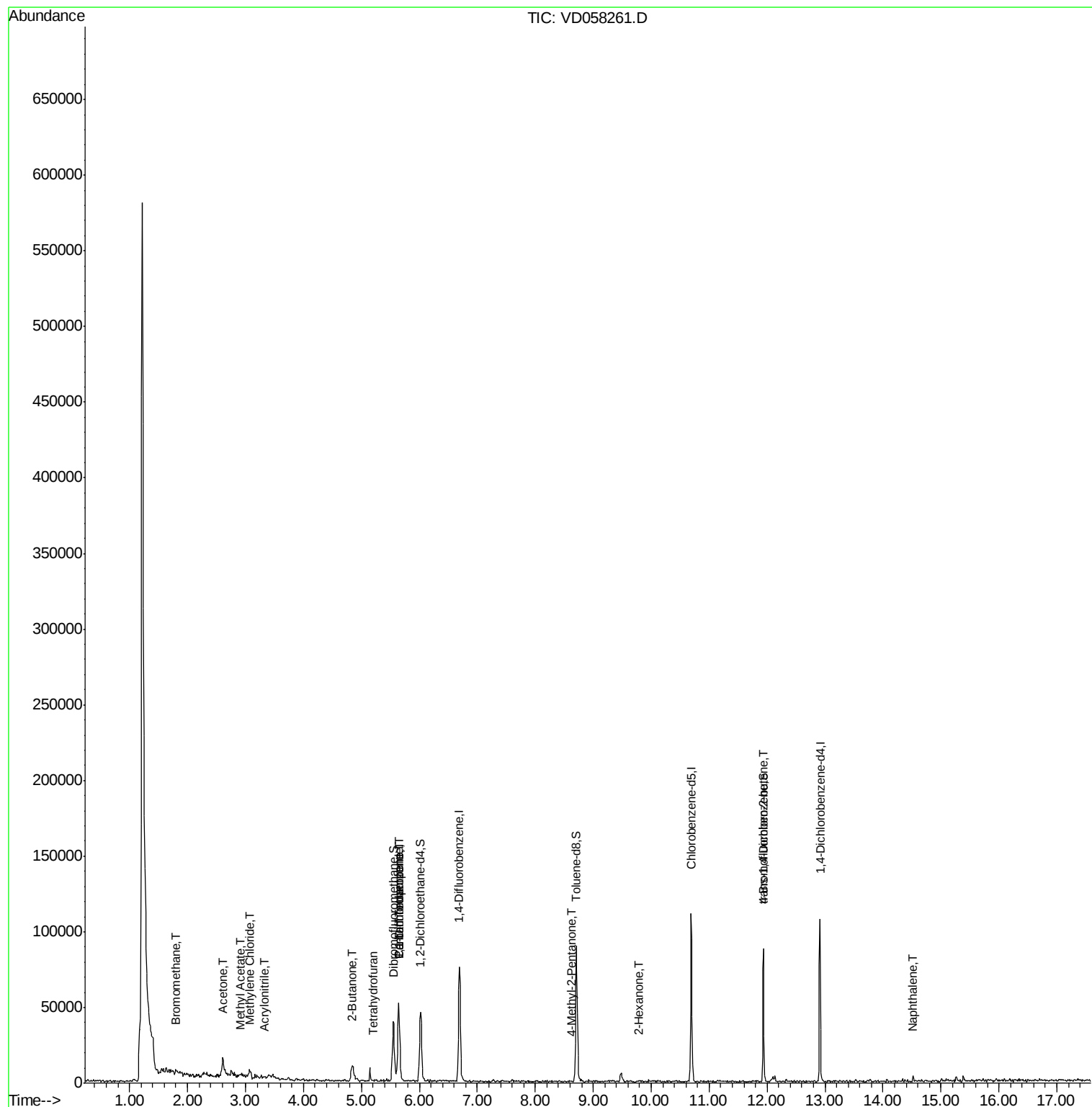
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.81	94	263	2.028	ug/l #	3
15) Acrylonitrile	3.34	53	193	3.961	ug/l #	14
16) Acetone	2.61	43	23616	309.962	ug/l #	84
18) Methyl Acetate	2.91	43	1491	9.176	ug/l #	65
20) Methylene Chloride	3.07	84	2343	7.753	ug/l #	60
25) 2-Butanone	4.83	43	4206	25.328	ug/l #	60
29) Tetrahydrofuran	5.19	42	275	3.111	ug/l #	37
31) Cyclohexane	5.63	56	223	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	4004	5.406	ug/l #	43
38) Carbon Tetrachloride	5.65	117	4877	6.627	ug/l #	11
51) 4-Methyl-2-Pentanone	8.62	43	1098	2.992	ug/l #	41
59) 2-Hexanone	9.79	43	628	2.368	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.93	75	11374	143.971	ug/l #	1
82) 4-Chlorotoluene	12.33	91	666	Below Cal	#	45
95) Naphthalene	14.52	128	2295	3.099	ug/l #	70

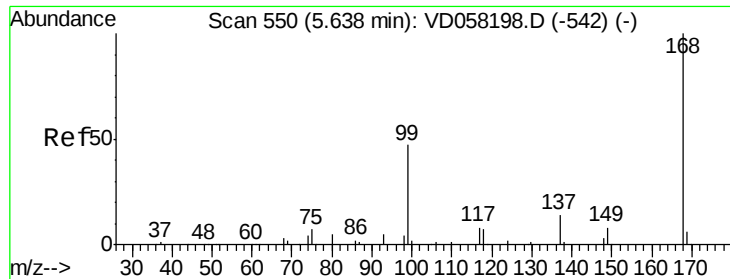
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 20 05:52:56 2018
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: VD058261.D

Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

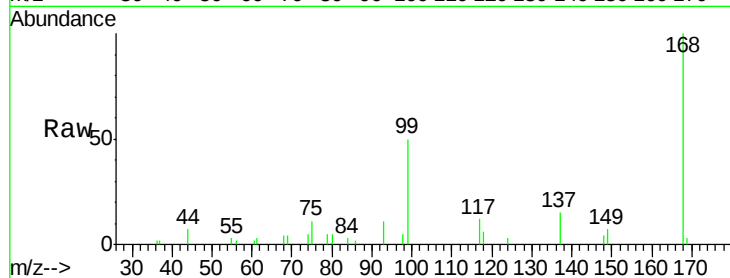
26KV-TP-5

Tot Ion:168 Resp: 55156

Ion Ratio Lower Upper

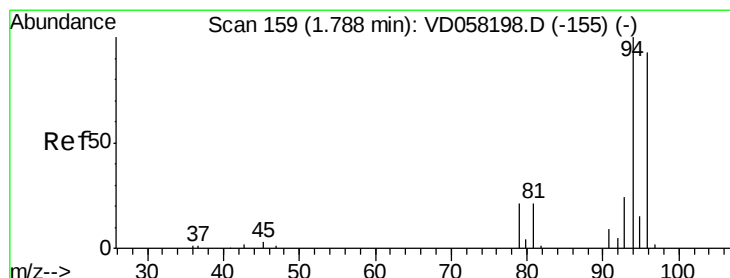
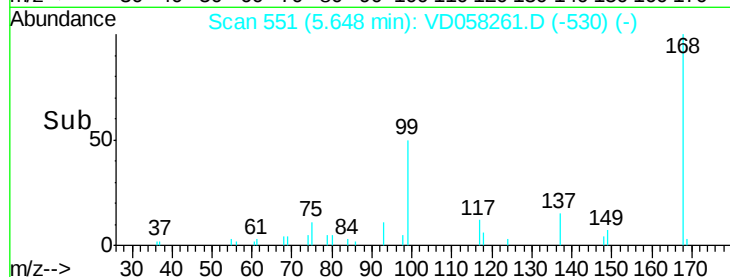
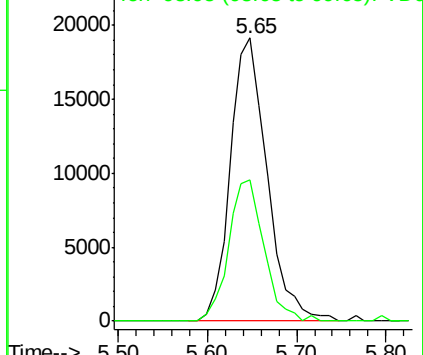
168 100

99 49.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.028 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058261.D

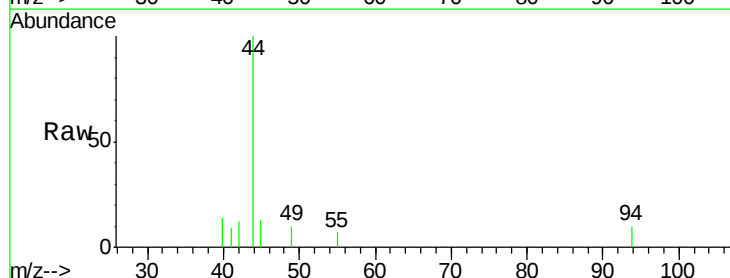
Acq: 21 Jun 2018 19:21

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

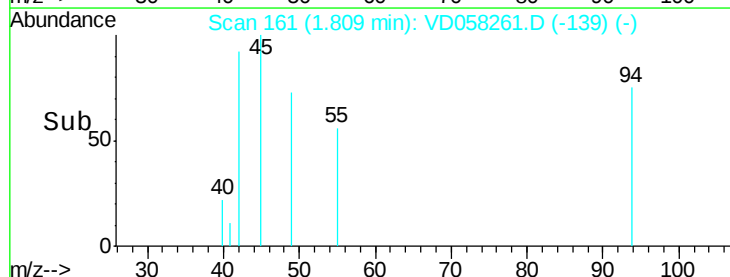
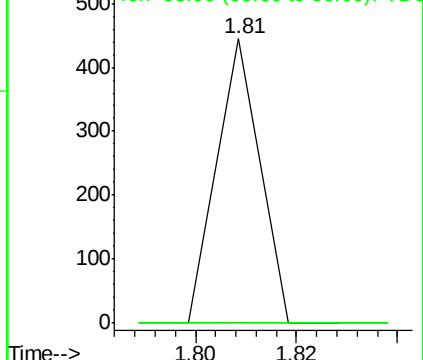
94 100

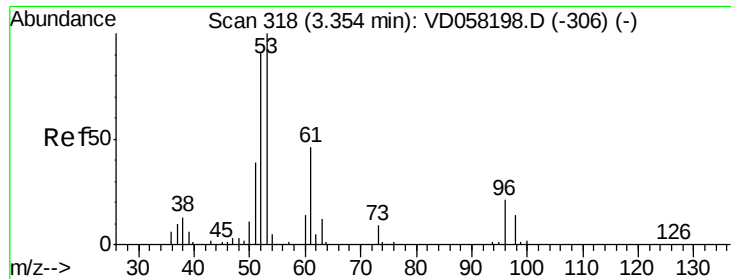
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#15

Acrylonitrile

Concen: 3.961 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD058261.D

Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-5

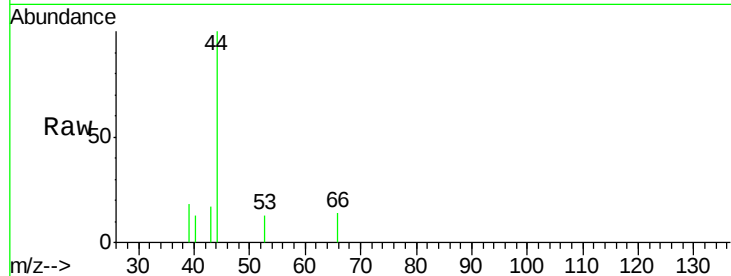
Tot Ion: 53 Resp: 193

Ion Ratio Lower Upper

53 100

52 0.0 72.6 108.8#

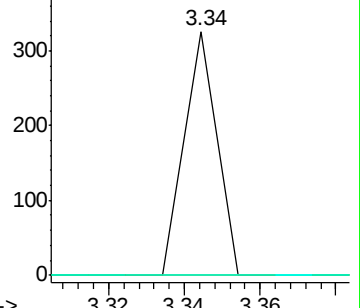
51 0.0 32.2 48.4#



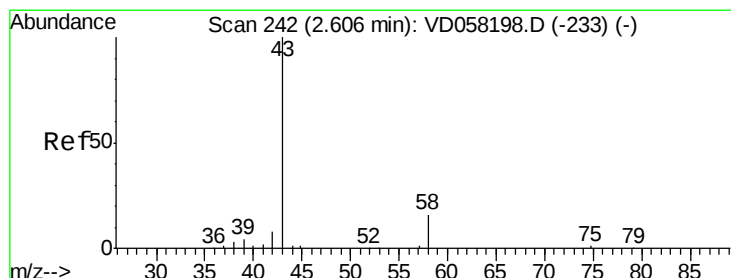
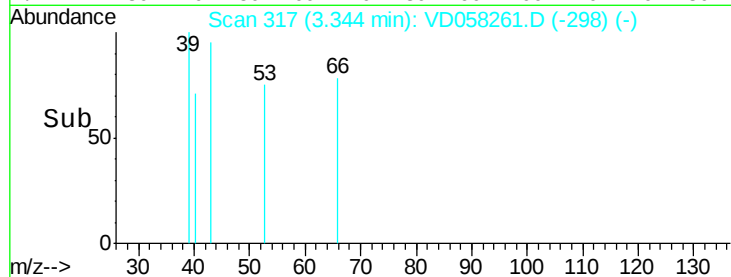
Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



Time-->



#16

Acetone

Concen: 309.962 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058261.D

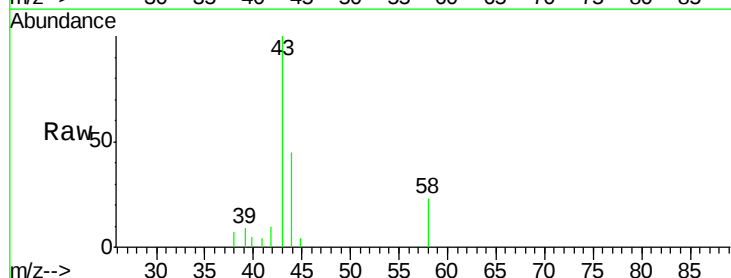
Acq: 21 Jun 2018 19:21

Tgt Ion: 43 Resp: 23616

Ion Ratio Lower Upper

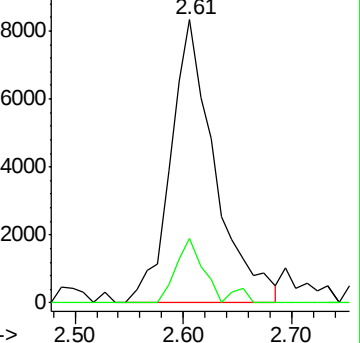
43 100

58 22.6 12.7 19.1#

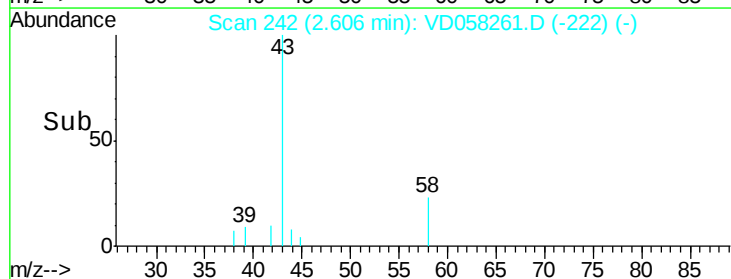


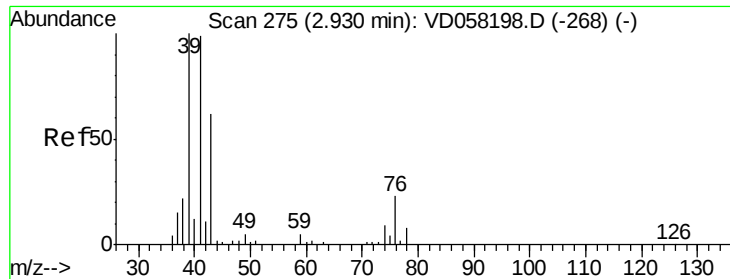
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

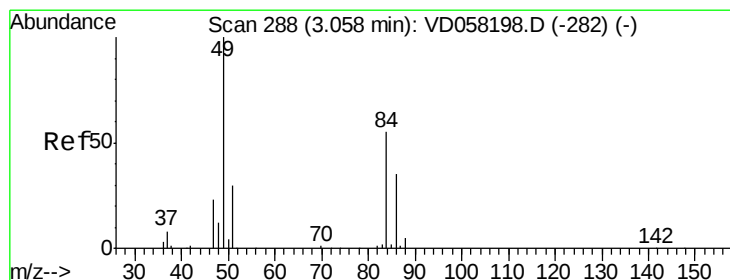
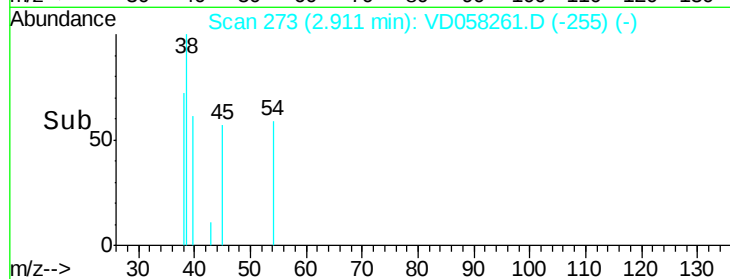
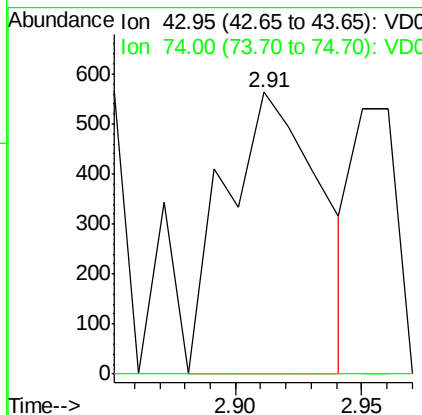
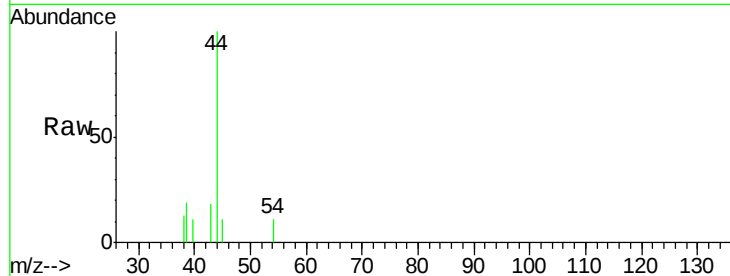




#18
Methyl Acetate
Concen: 9.176 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.02 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

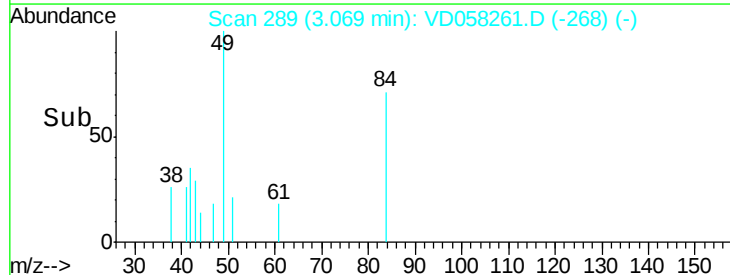
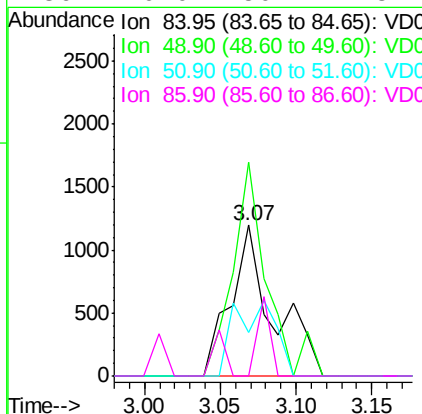
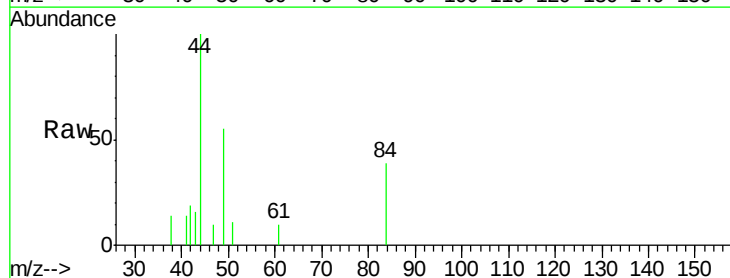
Instrument :
MSVOA_D
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26KV-TP-5

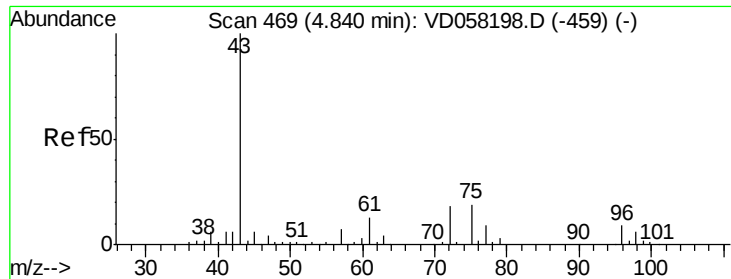
Tot Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 7.753 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Tgt Ion: 84 Resp: 2343
Ion Ratio Lower Upper
84 100
49 141.5 145.0 217.6#
51 29.2 42.9 64.3#
86 0.0 50.1 75.1#





#25

2-Butanone

Concen: 25.328 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058261.D

Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

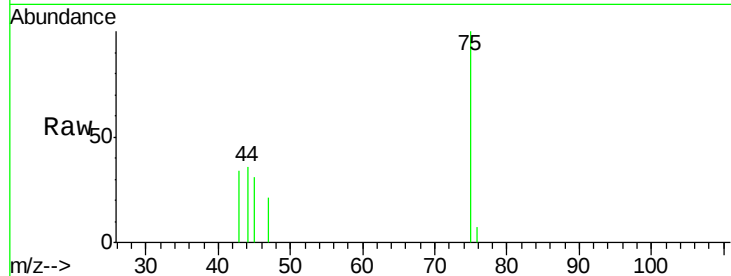
26KV-TP-5

Tot Ion: 43 Resp: 4206

Ion Ratio Lower Upper

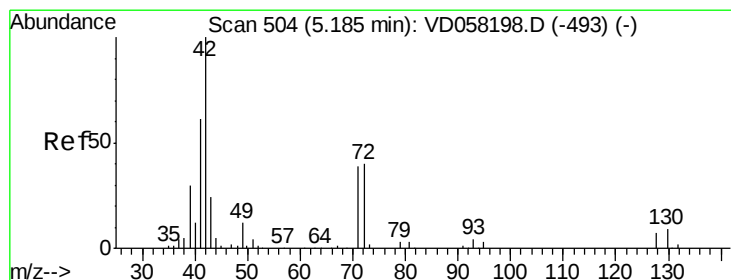
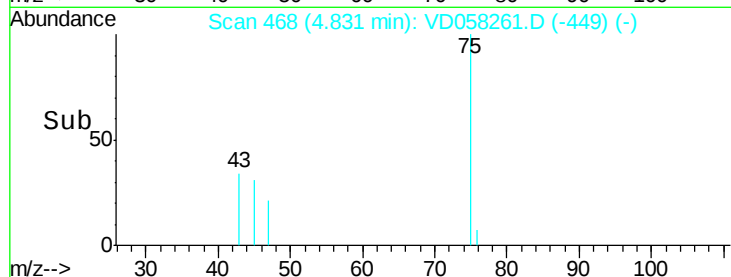
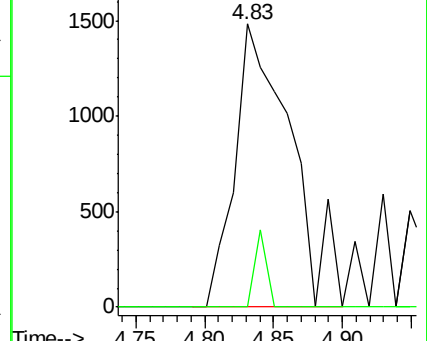
43 100

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



#29

Tetrahydrofuran

Concen: 3.111 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058261.D

Acq: 21 Jun 2018 19:21

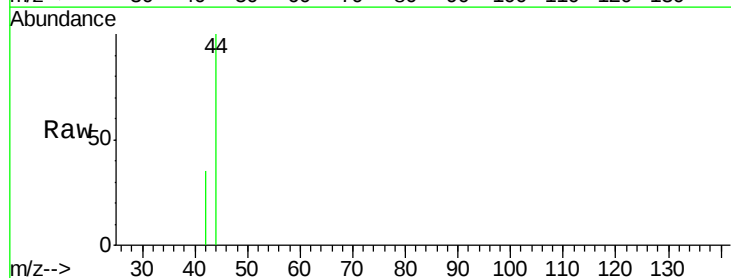
Tgt Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

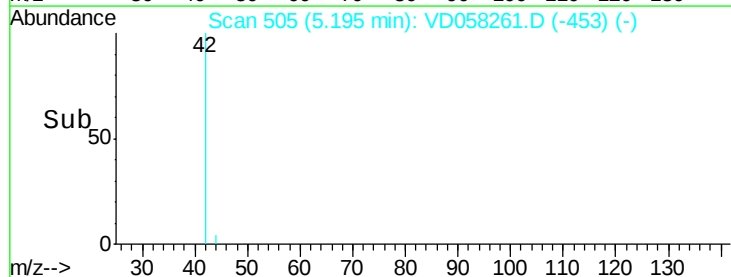
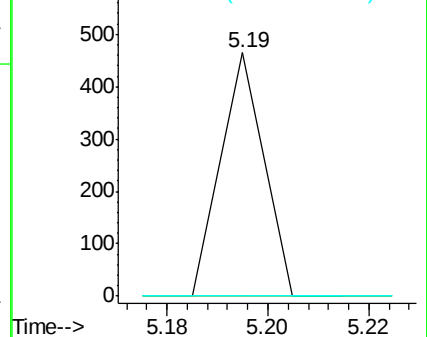
71 0.0 30.1 45.1#

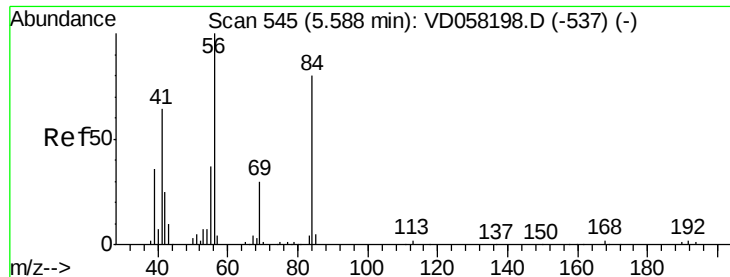


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

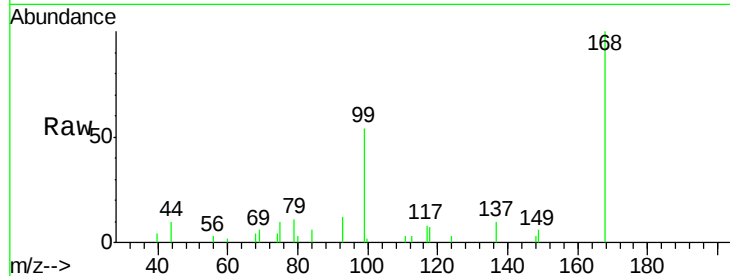




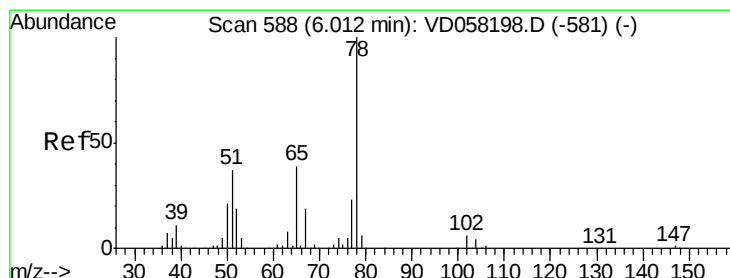
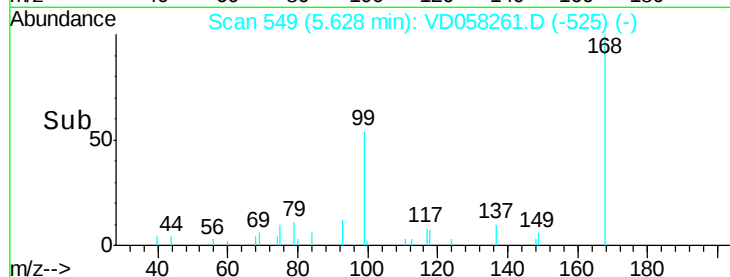
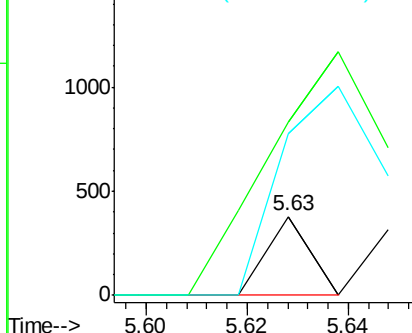
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-5

Tot Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
69 221.5 23.6 35.4#
84 205.3 65.2 97.8#

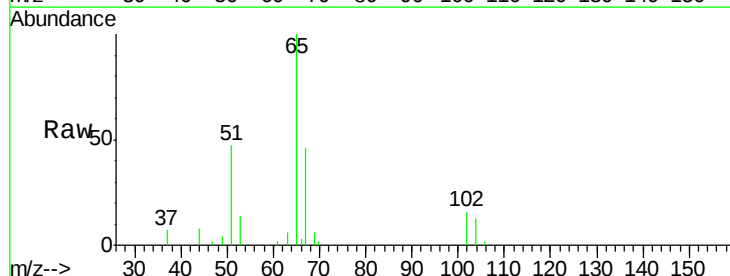


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

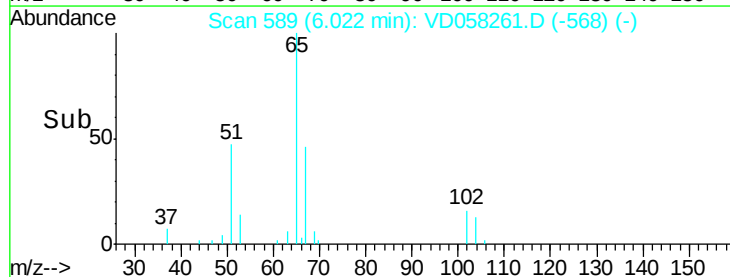
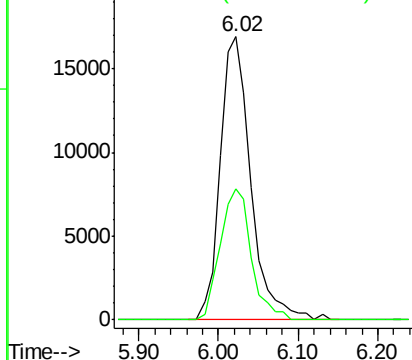


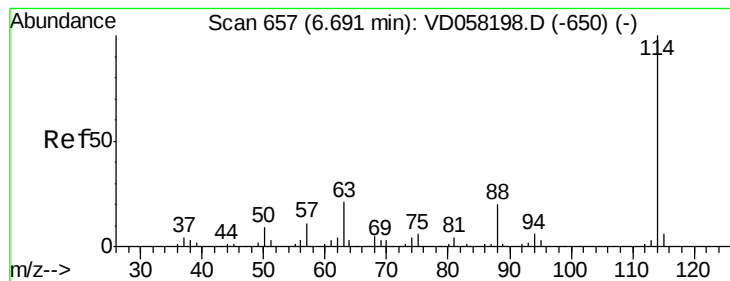
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Tgt Ion: 65 Resp: 45717
Ion Ratio Lower Upper
65 100
67 46.2 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: VD058261.D

Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-5

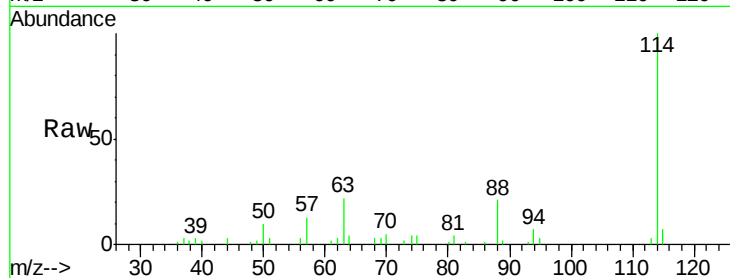
Tot Ion:114 Resp: 74873

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

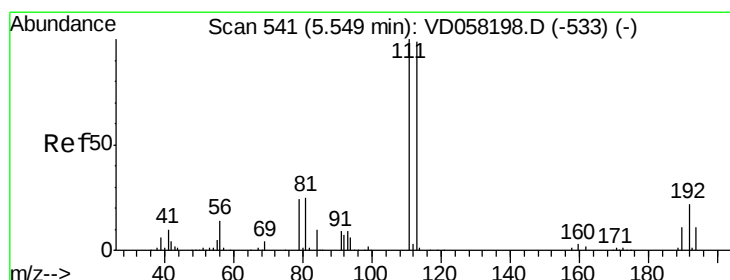
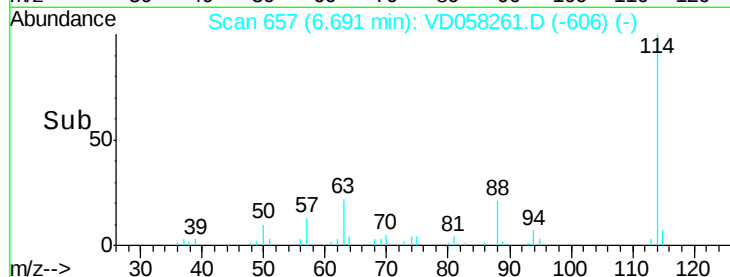
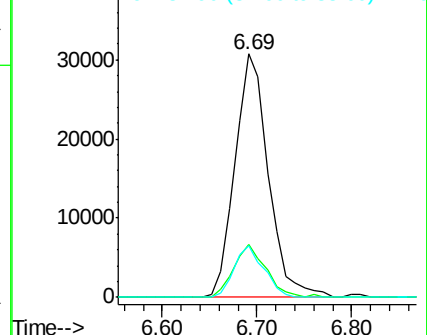
88 21.4 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058261.D

Acq: 21 Jun 2018 19:21

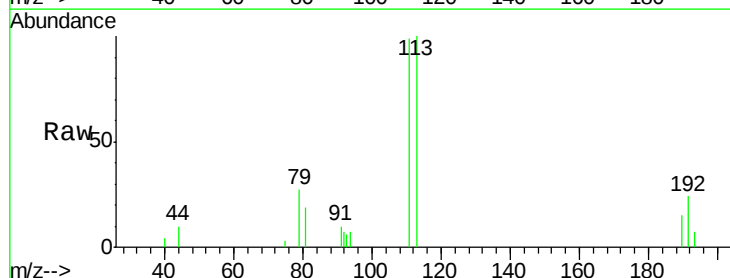
Tgt Ion:113 Resp: 32631

Ion Ratio Lower Upper

113 100

111 98.5 80.6 121.0

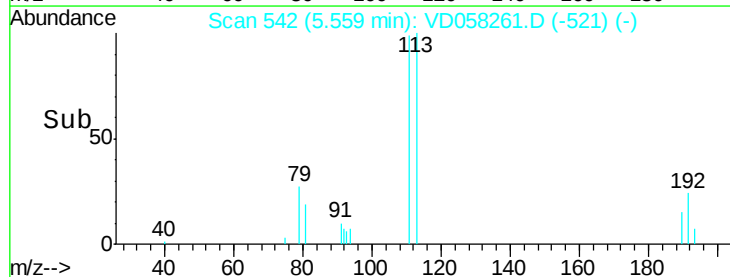
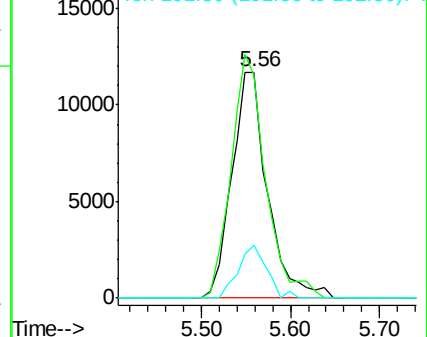
192 23.6 17.8 26.6

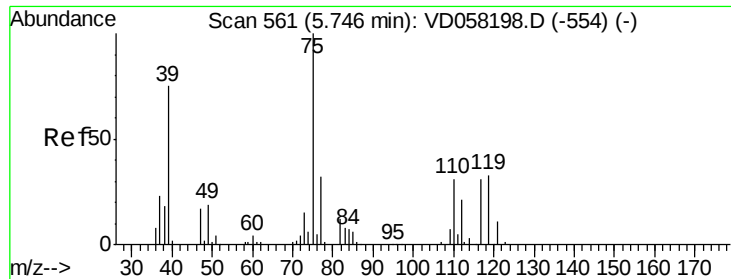


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

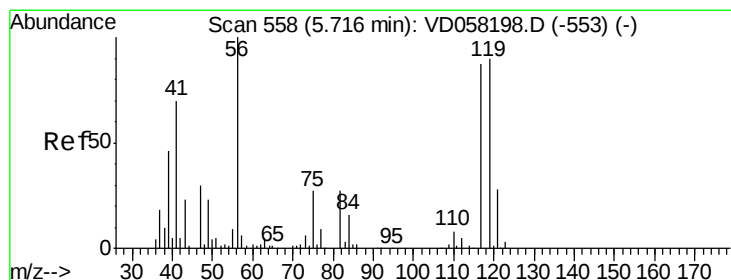
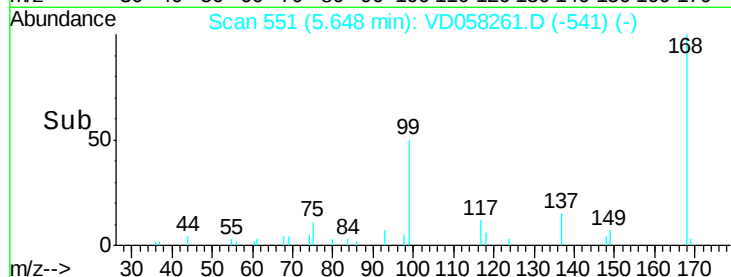
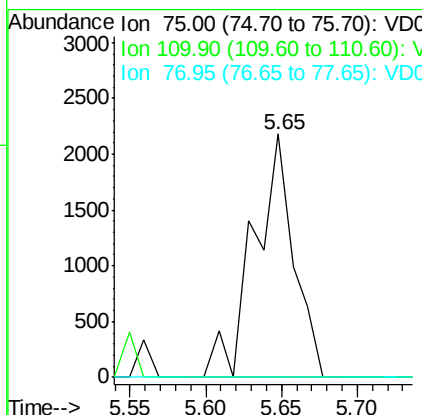
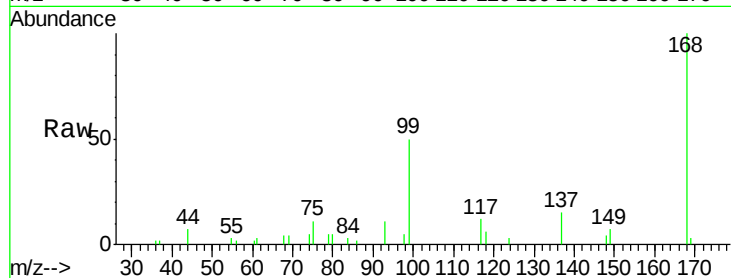




#36
 1,1-Dichloropropene
 Concen: 5.406 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058261.D
 Acq: 21 Jun 2018 19:21

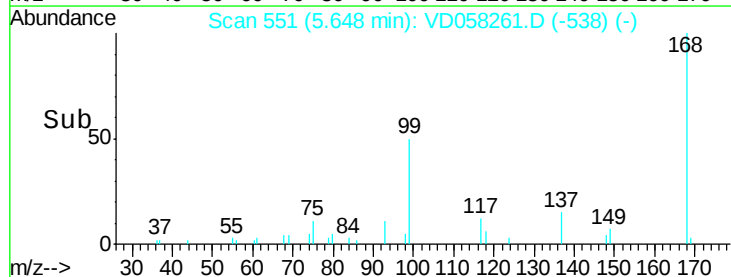
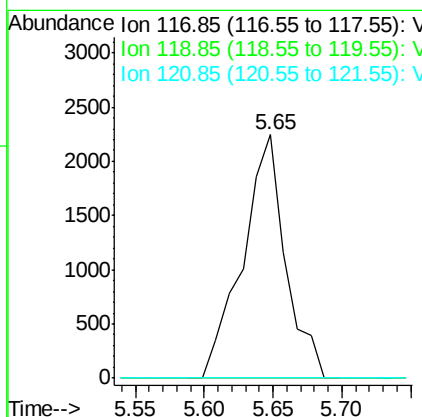
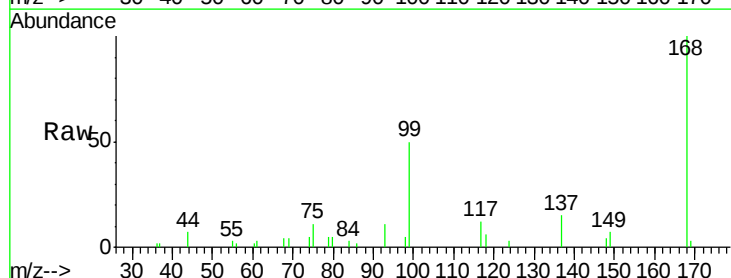
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-5

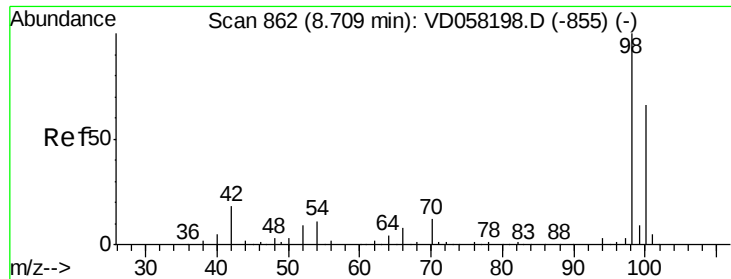
Tot Ion: 75 Resp: 4004
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.4 46.4#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.627 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.07 min
 Lab File: VD058261.D
 Acq: 21 Jun 2018 19:21

Tgt Ion: 117 Resp: 4877
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.8 118.2#
 121 0.0 25.0 37.6#

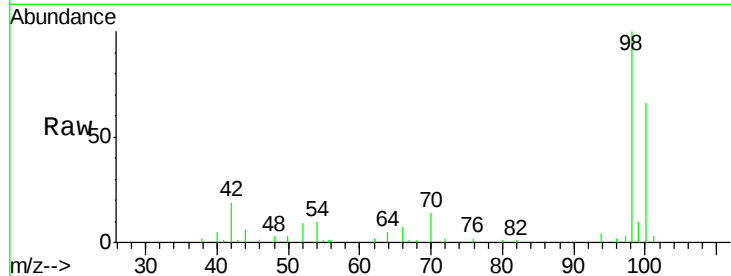




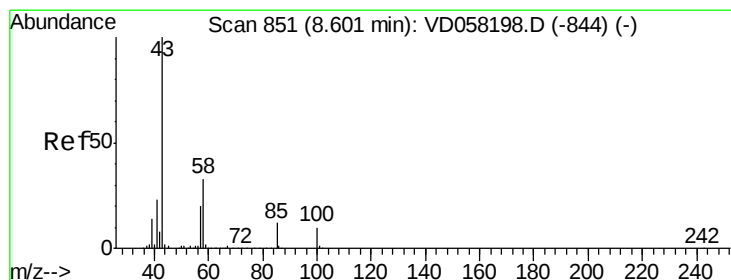
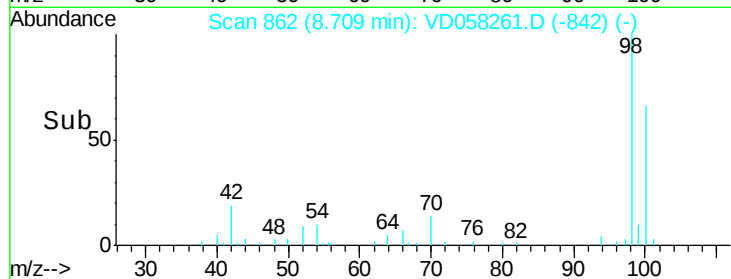
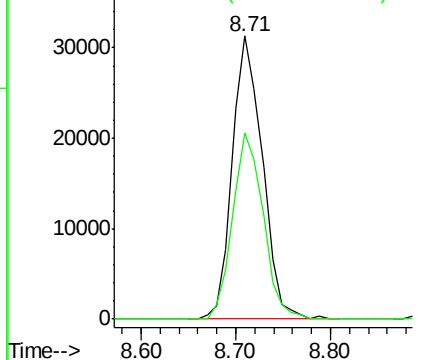
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-5

Tot Ion: 98 Resp: 68801
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4

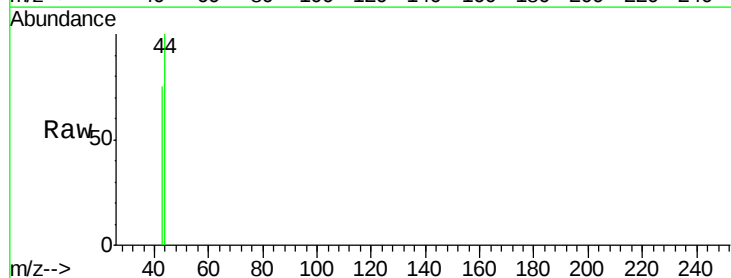


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

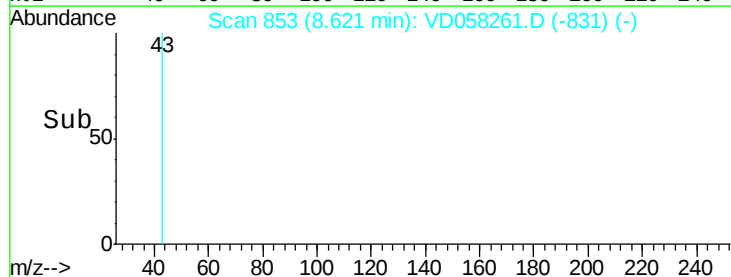
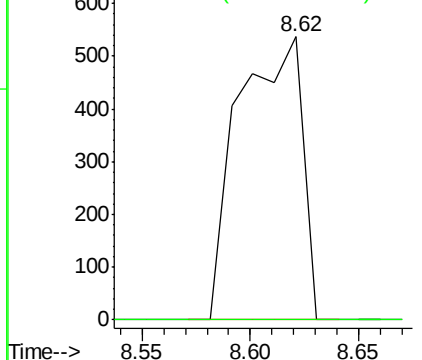


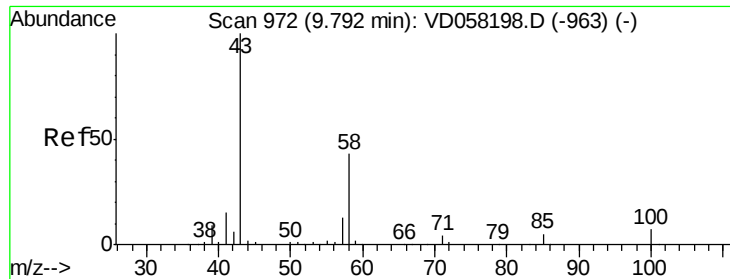
#51
4-Methyl-2-Pentanone
Concen: 2.992 ug/l
RT: 8.62 min Scan# 853
Delta R.T. 0.02 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0

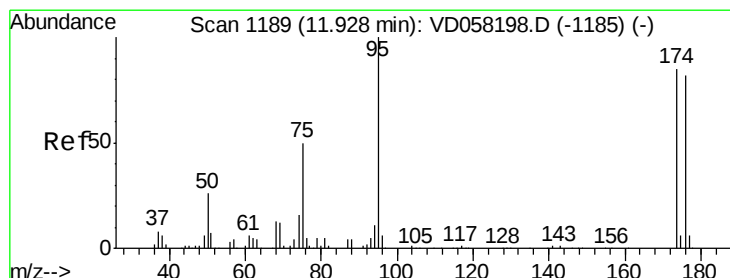
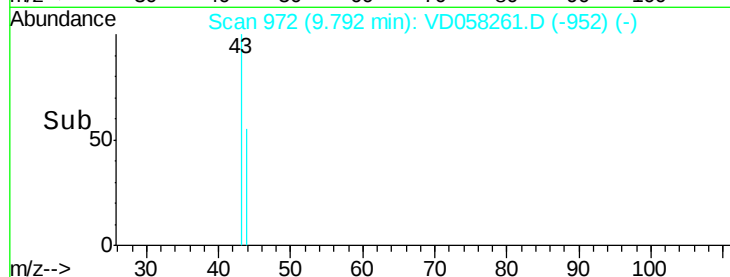
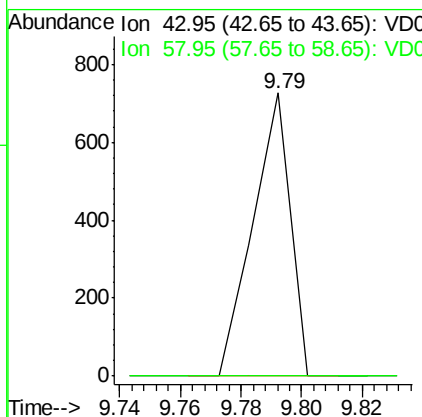
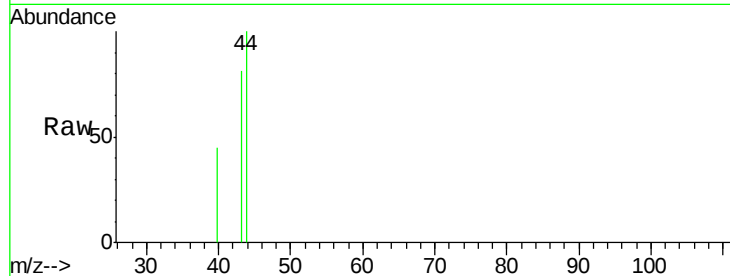




#59
2-Hexanone
Concen: 2.368 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

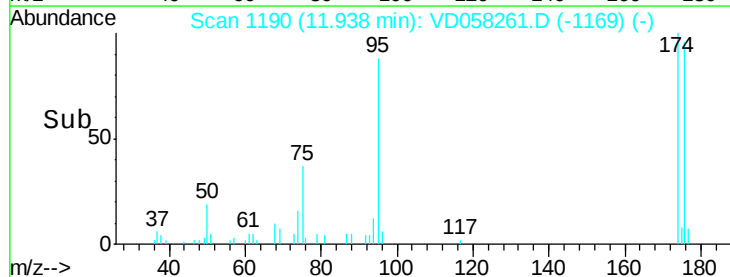
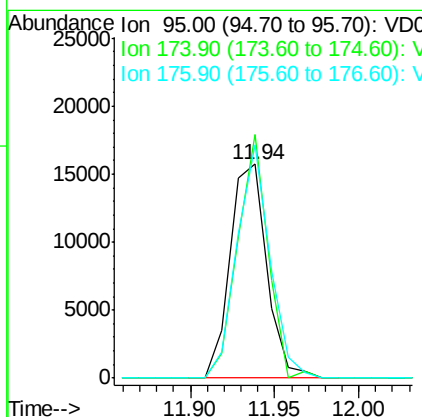
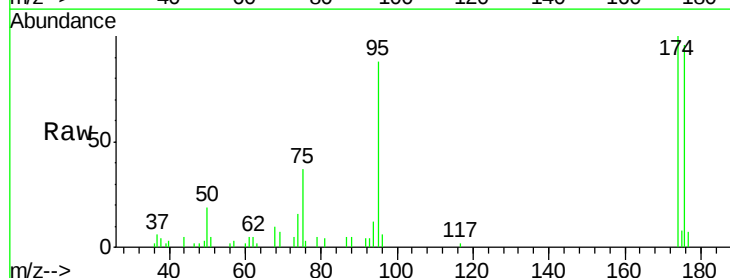
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-5

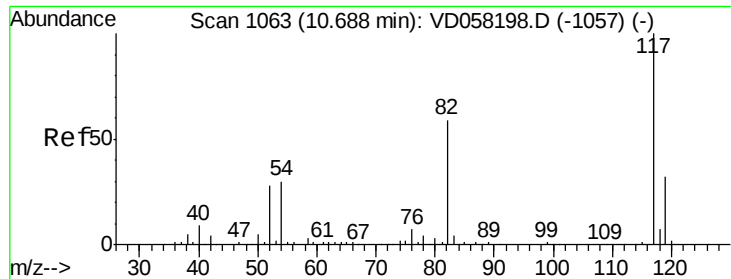
Tot Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 0.0 21.7 65.1#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Tgt Ion: 95 Resp: 23836
Ion Ratio Lower Upper
95 100
174 113.7 0.0 170.2
176 109.2 0.0 164.6

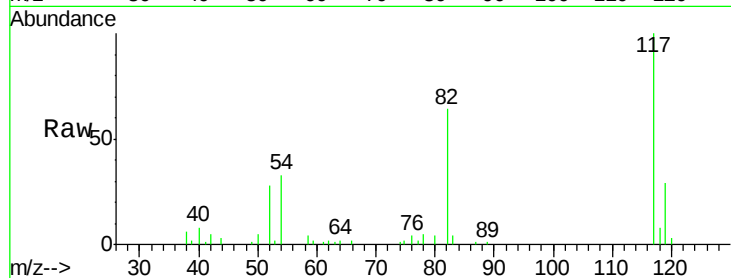




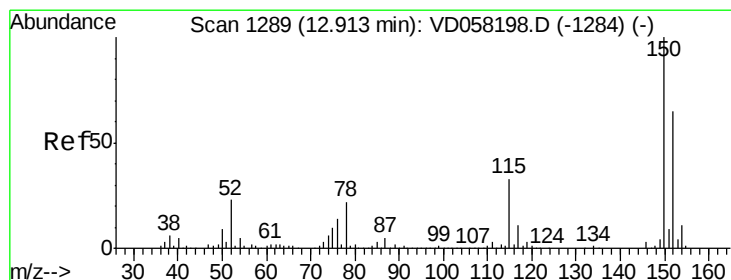
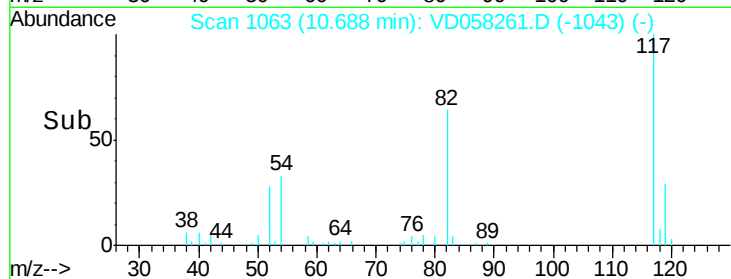
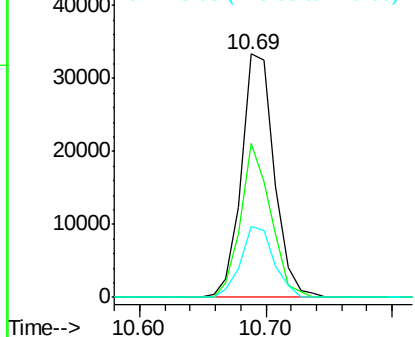
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-5

Tot Ion:117 Resp: 60200
Ion Ratio Lower Upper
117 100
82 63.5 47.0 70.6
119 29.0 25.3 37.9

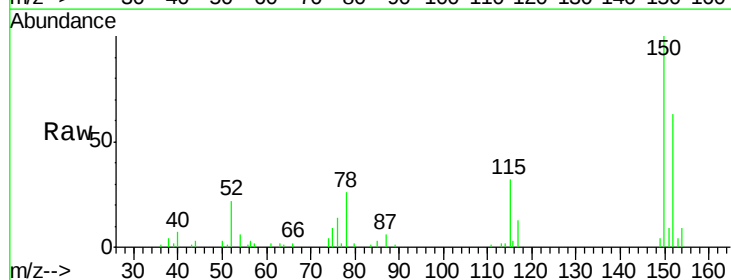


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

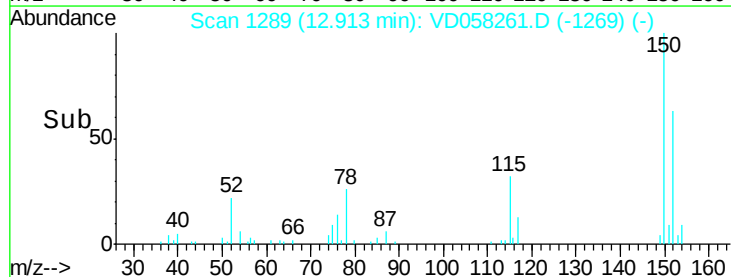
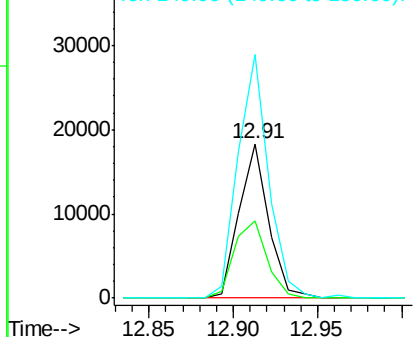


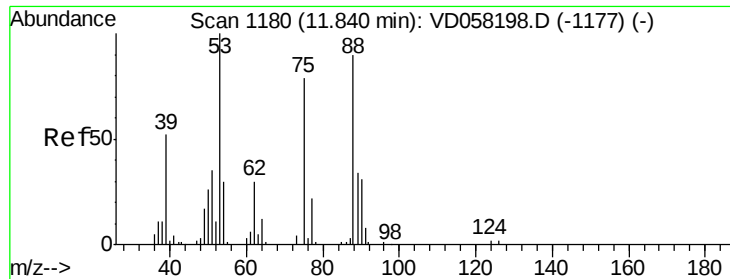
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058261.D
Acq: 21 Jun 2018 19:21

Tgt Ion:152 Resp: 22186
Ion Ratio Lower Upper
152 100
115 50.3 25.1 75.3
150 157.6 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: 143.971 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058261.D

Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-5

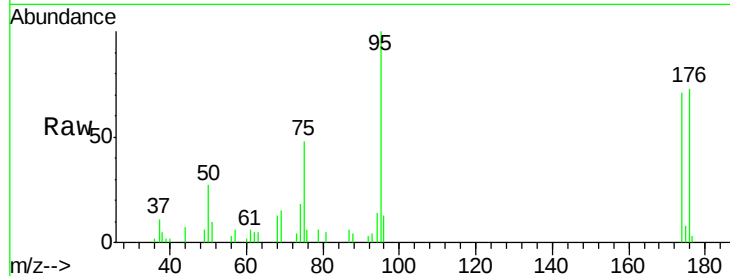
Tot Ion: 75 Resp: 11374

Ion Ratio Lower Upper

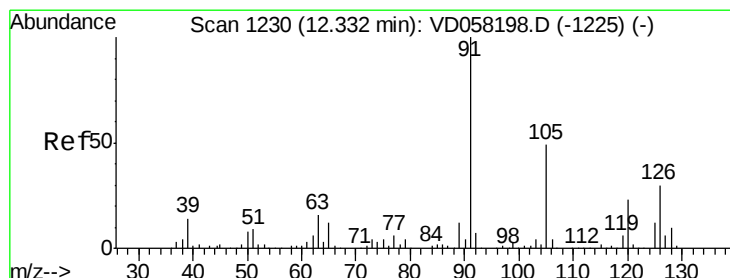
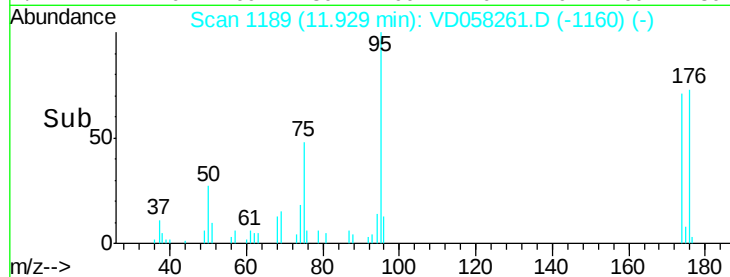
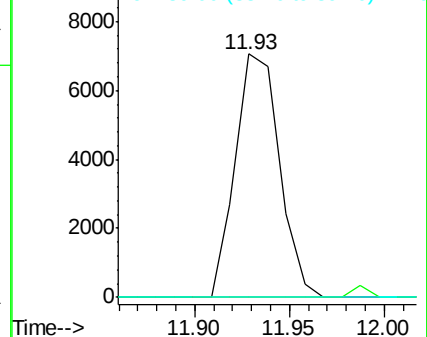
75 100

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: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058261.D

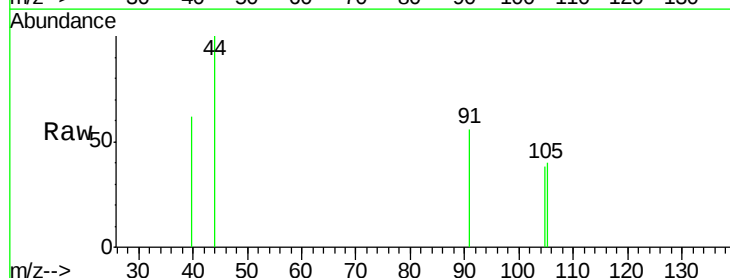
Acq: 21 Jun 2018 19:21

Tgt Ion: 91 Resp: 666

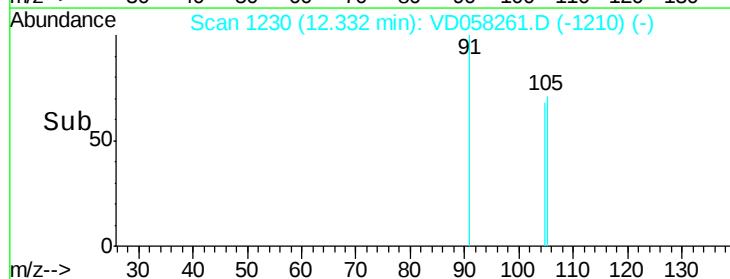
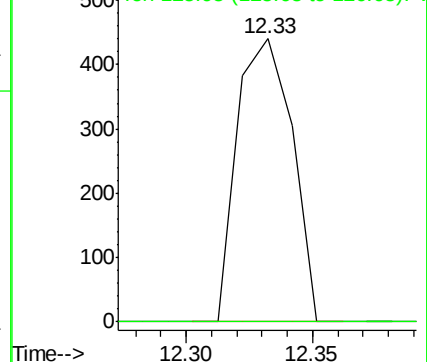
Ion Ratio Lower Upper

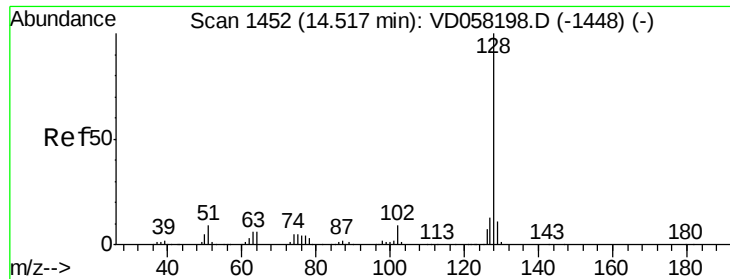
91 100

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





#95

Naphthalene

Concen: 3.099 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058261.D

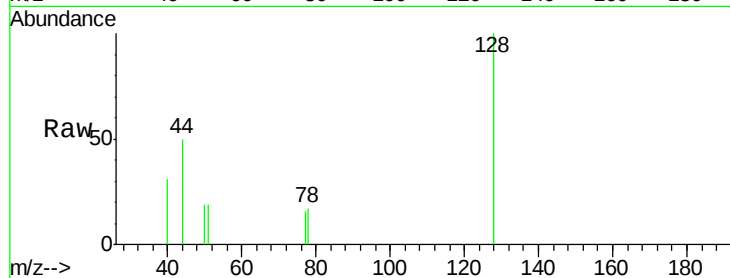
Acq: 21 Jun 2018 19:21

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-5



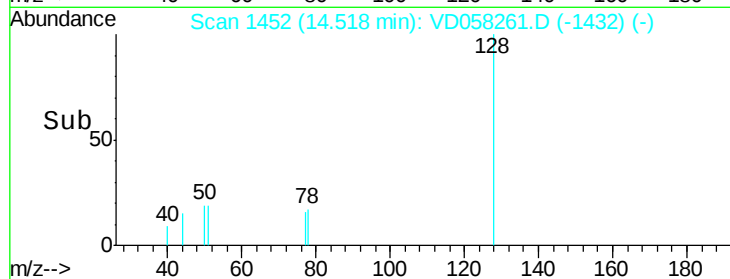
Tot Ion:128 Resp: 2295

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

