

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057977.D
 Acq On : 7 Jun 2018 17:46
 Operator : JC/SY
 Sample : J2688-04
 Misc : 6.33g/5ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3(11.0)

Quant Time: Jun 08 06:49:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

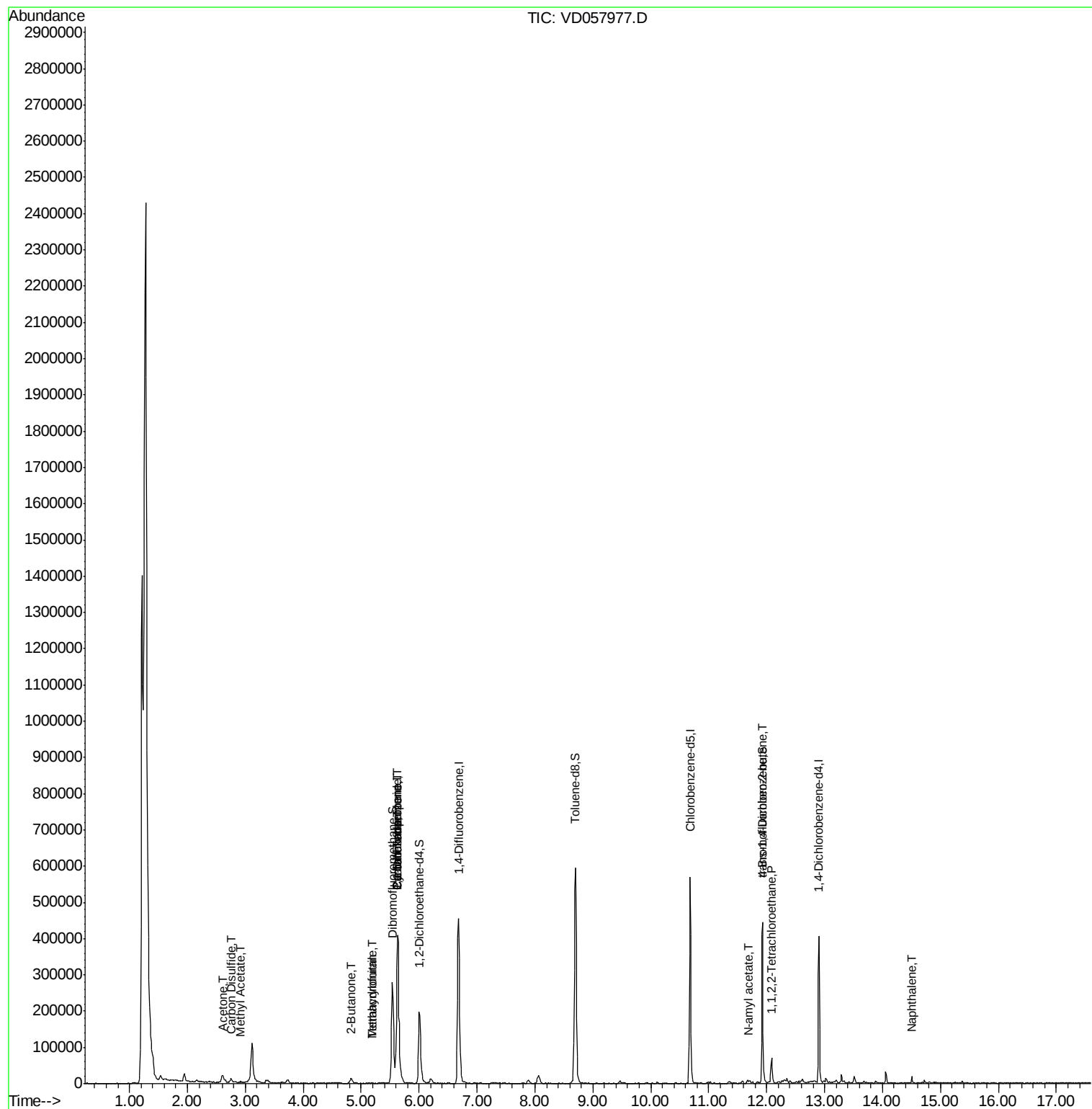
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	404647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	451402	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	292718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	89130	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	201600	49.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.66%	
35) Dibromofluoromethane	5.54	113	229178	65.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	131.24%	
50) Toluene-d8	8.70	98	458983	55.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.56%	
62) 4-Bromofluorobenzene	11.92	95	127346	35.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.32%	
Target Compounds						
					Qvalue	
16) Acetone	2.61	43	47363	81.262	ug/l #	90
17) Carbon Disulfide	2.75	76	13308	2.264	ug/l	100
18) Methyl Acetate	2.92	43	2385	2.115	ug/l #	66
20) Methylene Chloride	3.06	84	2241	Below Cal	#	71
25) 2-Butanone	4.84	43	16642	12.564	ug/l	96
29) Tetrahydrofuran	5.18	42	1410	2.031	ug/l #	39
31) Cyclohexane	5.63	56	13370	1.901	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	32589	6.553	ug/l #	52
38) Carbon Tetrachloride	5.63	117	32419	6.614	ug/l #	15
41) Methacrylonitrile	5.19	41	1407	1.134	ug/l #	62
74) N-amyl acetate	11.69	43	3801	1.669	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.08	83	1993	1.548	ug/l #	25
81) trans-1,4-Dichloro-2-buten	11.92	75	60772	183.260	ug/l #	6
82) 4-Chlorotoluene	12.31	91	1530	Below Cal	#	50
89) n-Butylbenzene	13.19	91	772	Below Cal	#	30
95) Naphthalene	14.51	128	9793	3.403	ug/l	98

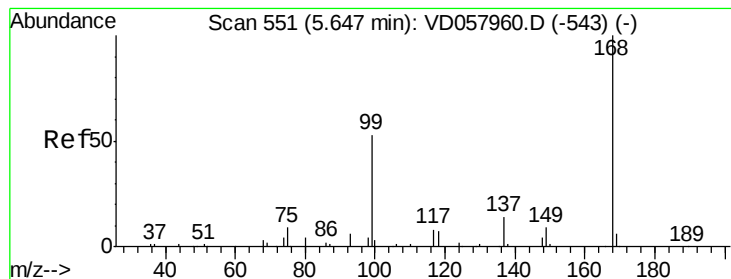
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

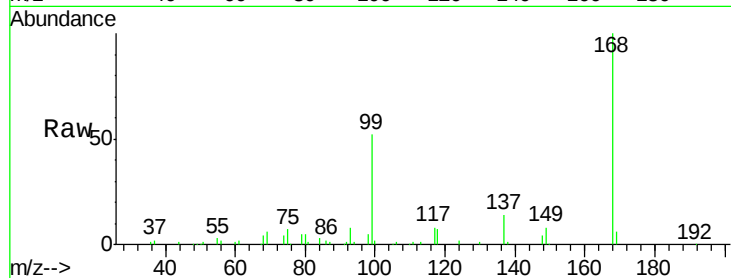
B-3(11.0)

Tgt Ion:168 Resp: 404647

Ion Ratio Lower Upper

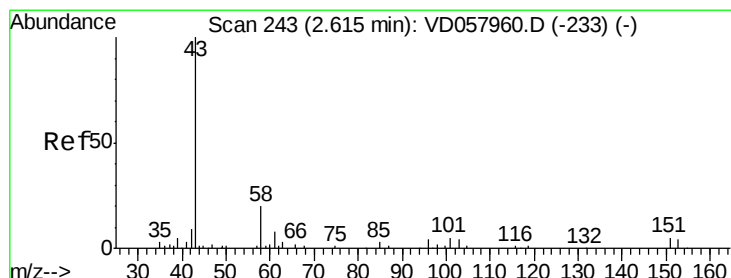
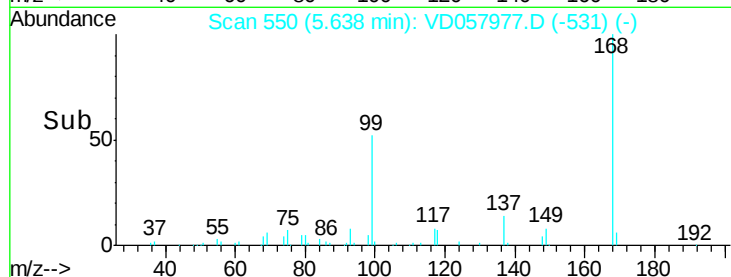
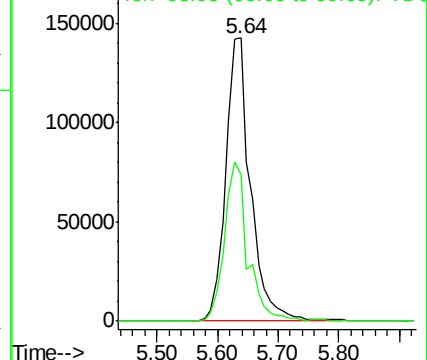
168 100

99 51.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 81.262 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057977.D

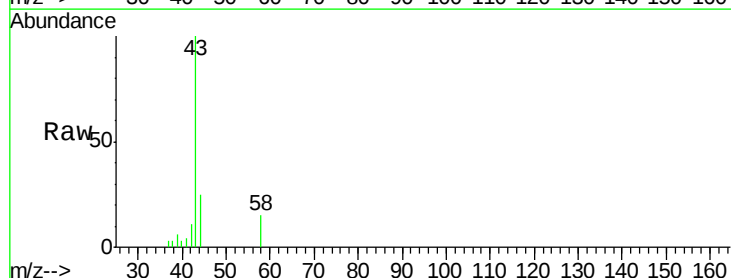
Acq: 7 Jun 2018 17:46

Tgt Ion: 43 Resp: 47363

Ion Ratio Lower Upper

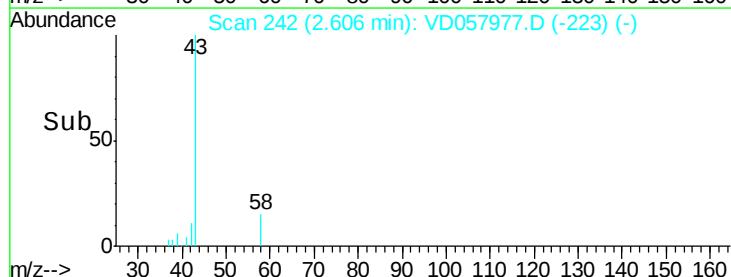
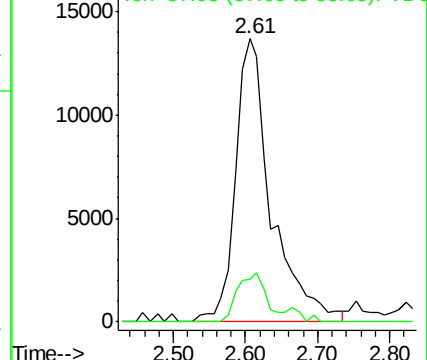
43 100

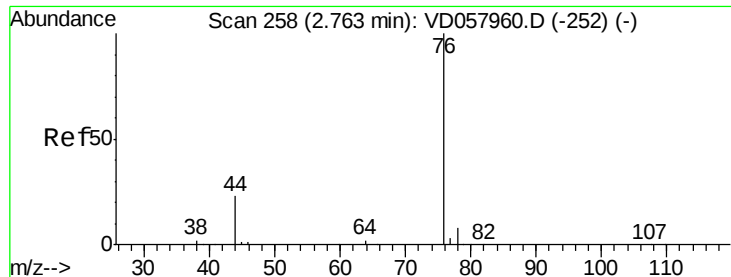
58 15.2 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 2.264 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

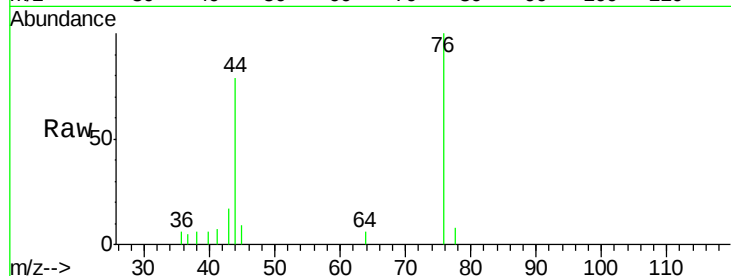
B-3(11.0)

Tgt Ion: 76 Resp: 13308

Ion Ratio Lower Upper

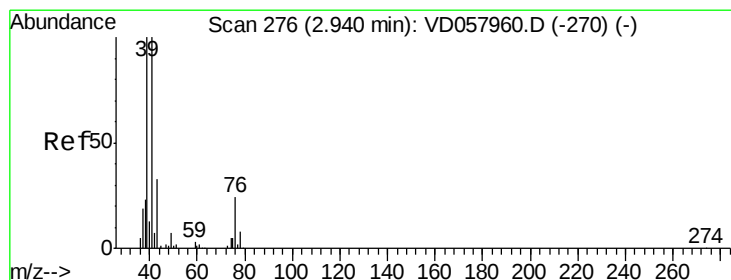
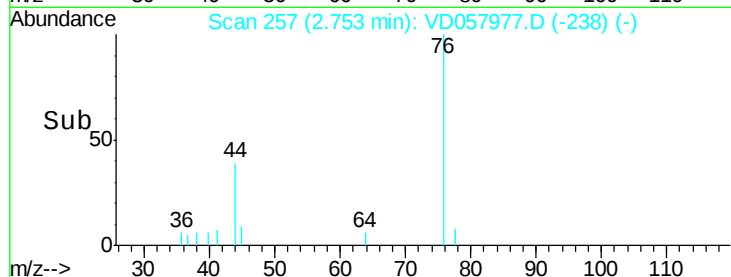
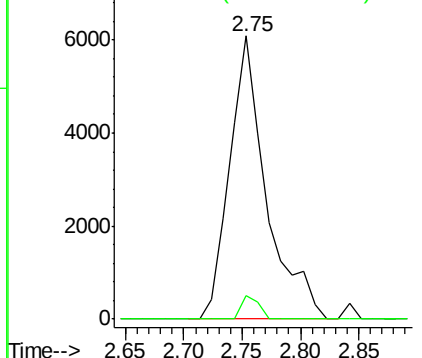
76 100

78 8.3 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 2.115 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD057977.D

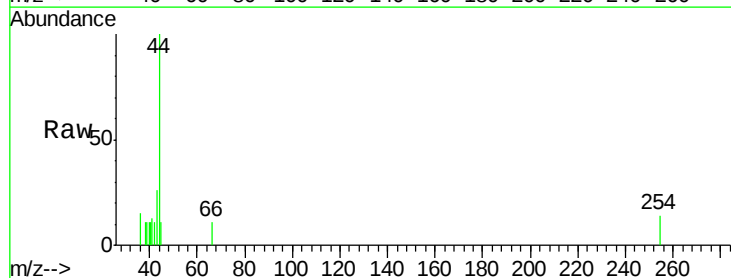
Acq: 7 Jun 2018 17:46

Tgt Ion: 43 Resp: 2385

Ion Ratio Lower Upper

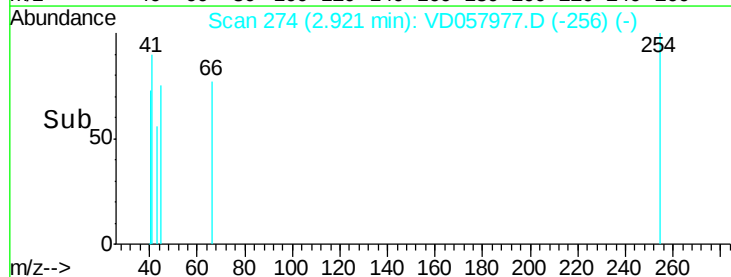
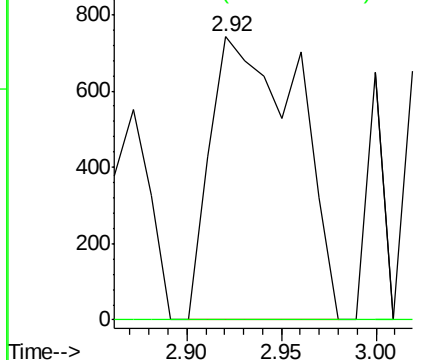
43 100

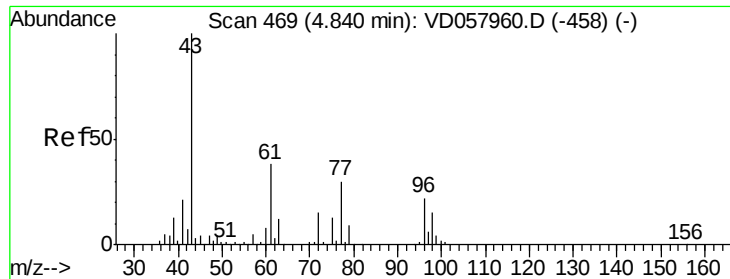
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

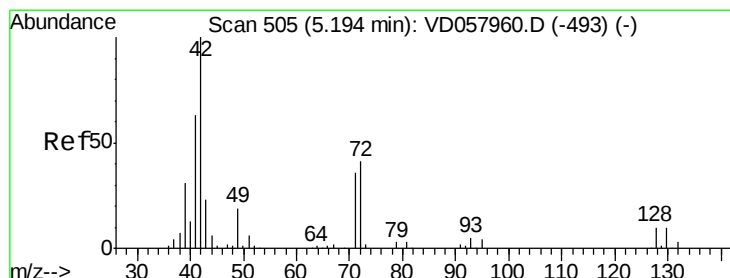
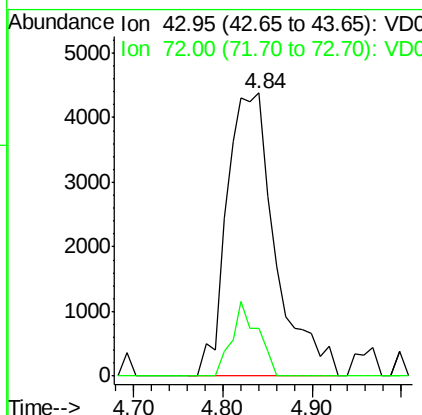
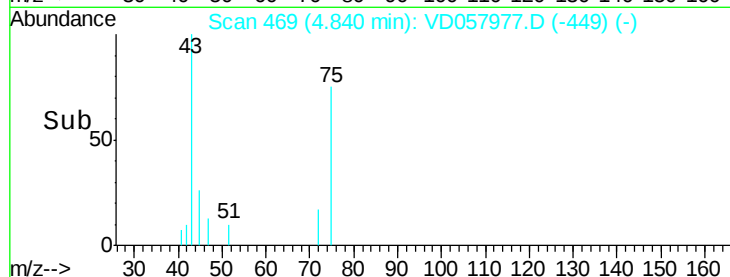
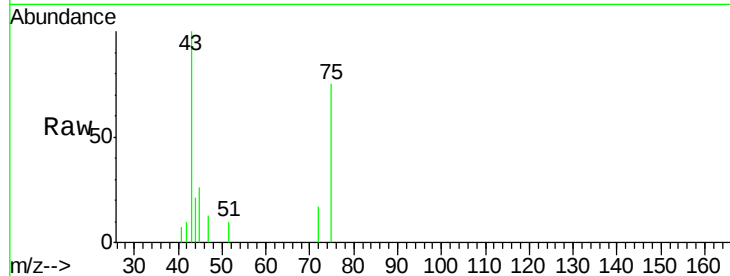




#25
 2-Butanone
 Concen: 12.564 ug/l
 RT: 4.84 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD057977.D
 Acq: 7 Jun 2018 17:46

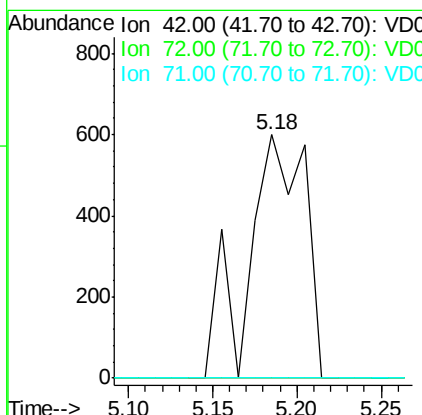
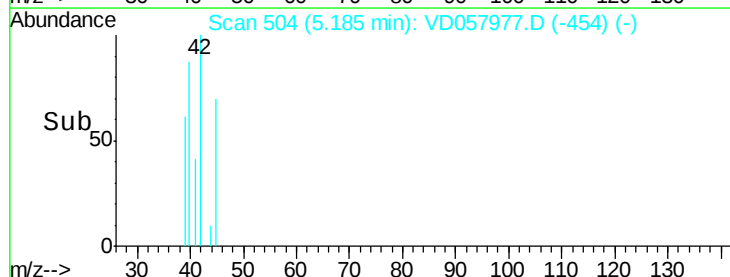
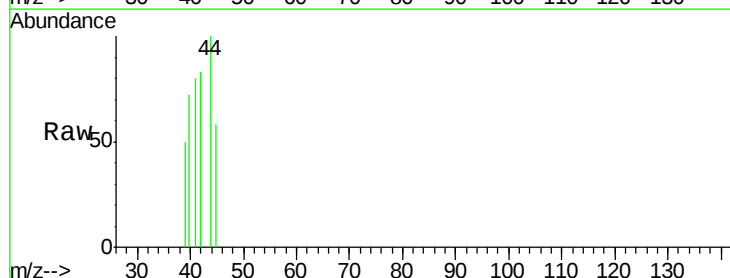
Instrument :
 MSVOA_D
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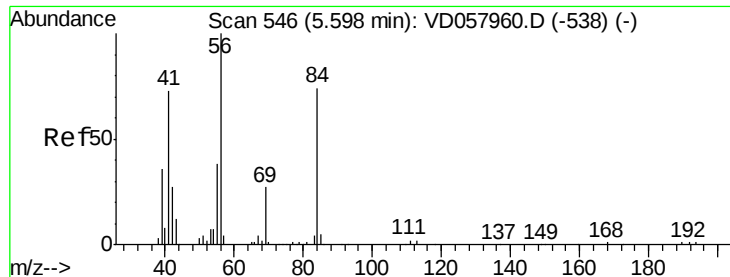
Tgt Ion: 43 Resp: 16642
 Ion Ratio Lower Upper
 43 100
 72 16.8 12.0 18.0



#29
 Tetrahydrofuran
 Concen: 2.031 ug/l
 RT: 5.18 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VD057977.D
 Acq: 7 Jun 2018 17:46

Tgt Ion: 42 Resp: 1410
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.5 42.7#
 71 0.0 27.9 41.9#

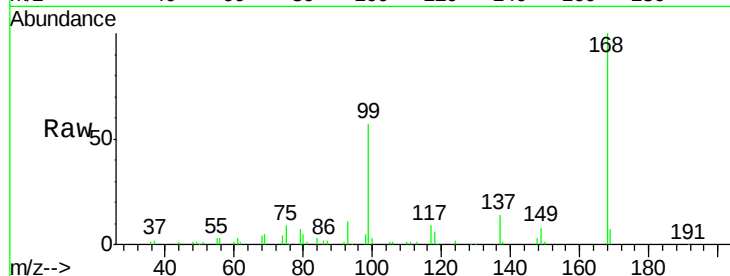




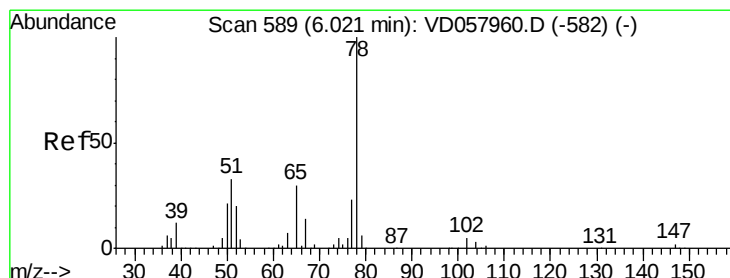
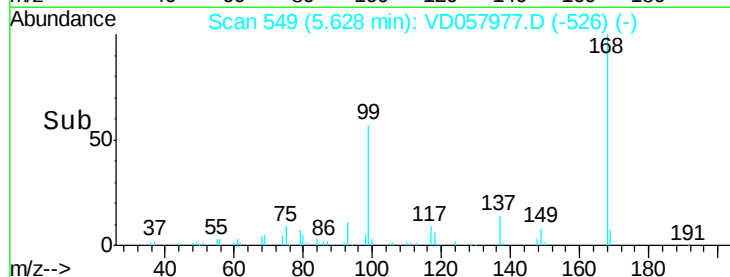
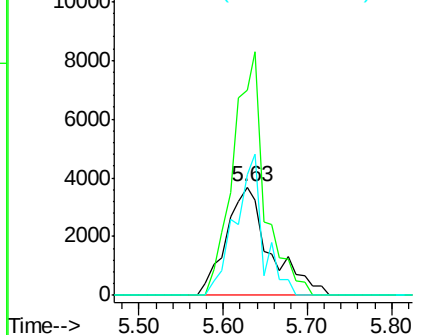
#31
Cyclohexane
Concen: 1.901 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD057977.D
Acq: 7 Jun 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
B-3(11.0)

Tgt Ion: 56 Resp: 13370
Ion Ratio Lower Upper
56 100
69 189.9 21.5 32.3#
84 111.1 61.0 91.6#

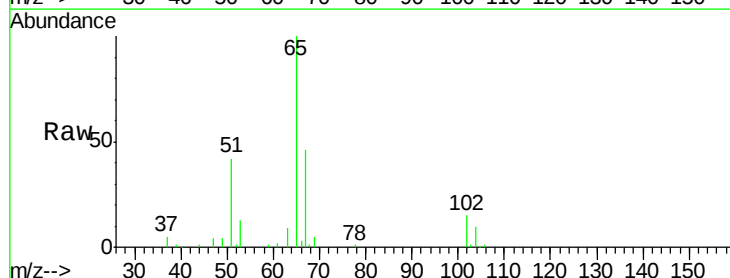


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

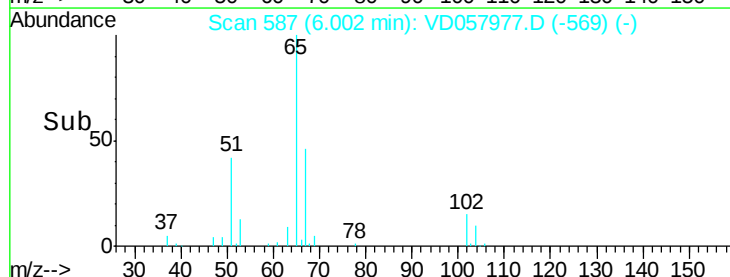
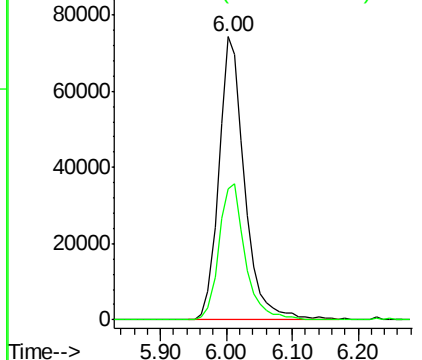


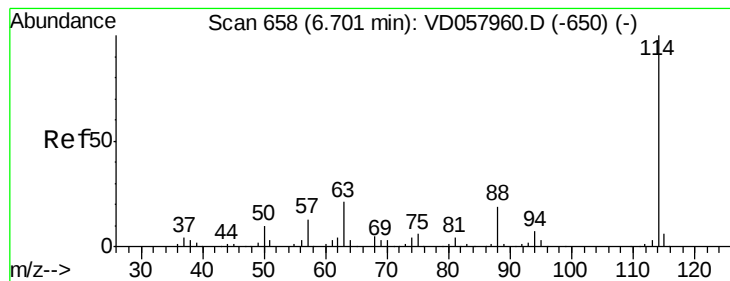
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD057977.D
Acq: 7 Jun 2018 17:46

Tgt Ion: 65 Resp: 201600
Ion Ratio Lower Upper
65 100
67 46.3 0.0 94.0



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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

B-3(11.0)

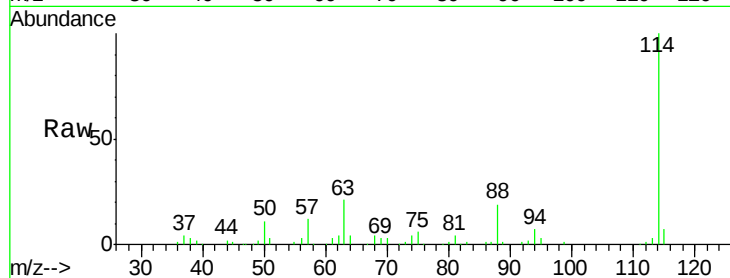
Tgt Ion:114 Resp: 451402

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

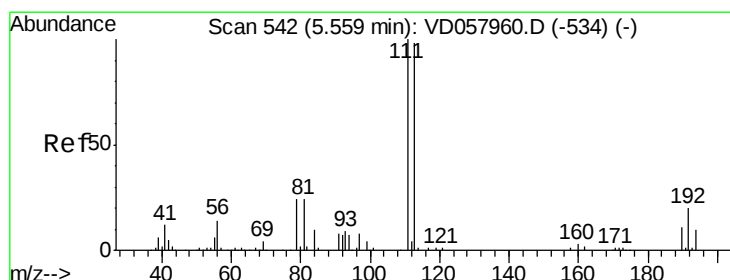
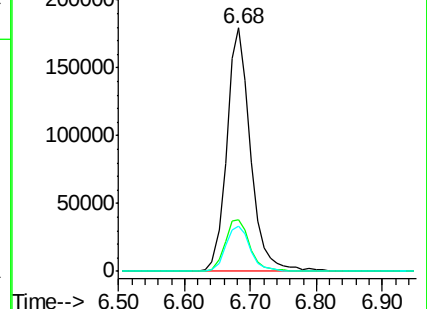
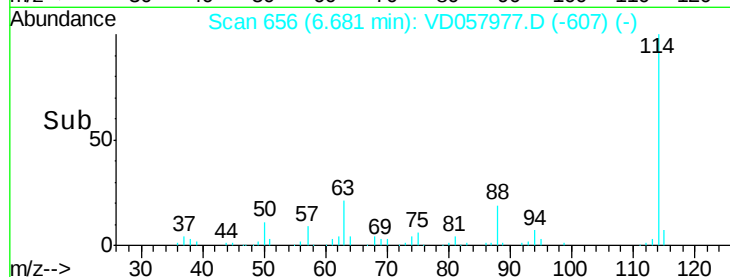
88 18.6 0.0 37.8



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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

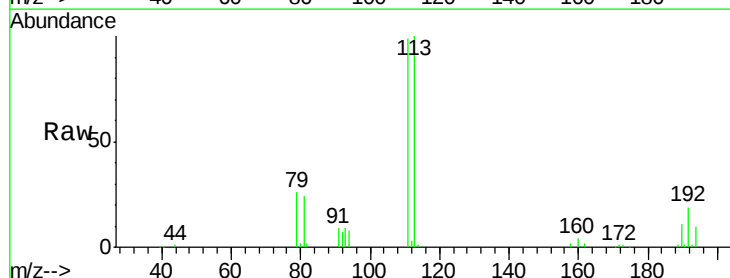
Tgt Ion:113 Resp: 229178

Ion Ratio Lower Upper

113 100

111 99.4 81.5 122.3

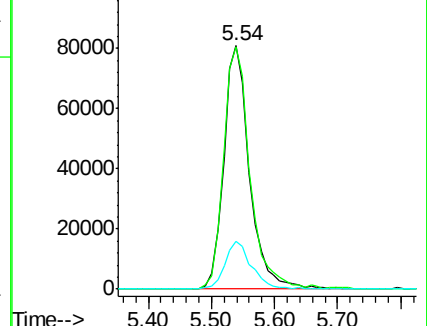
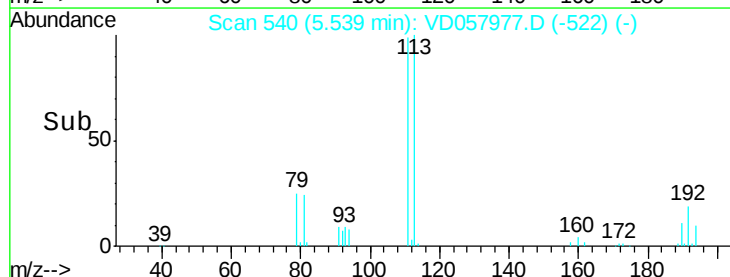
192 19.4 16.4 24.6

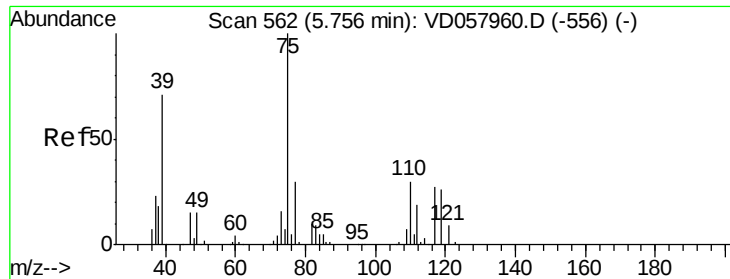


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

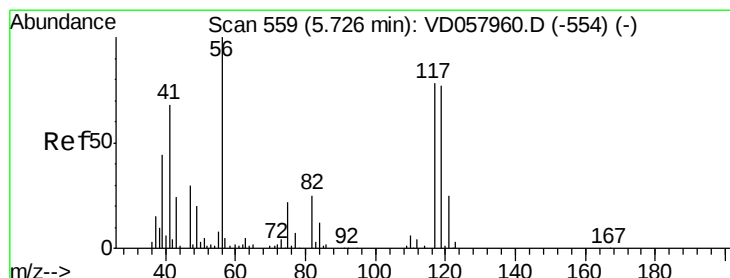
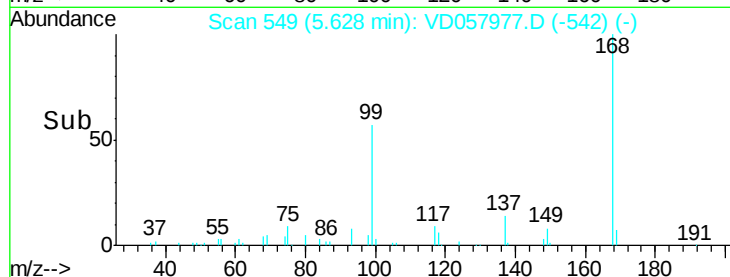
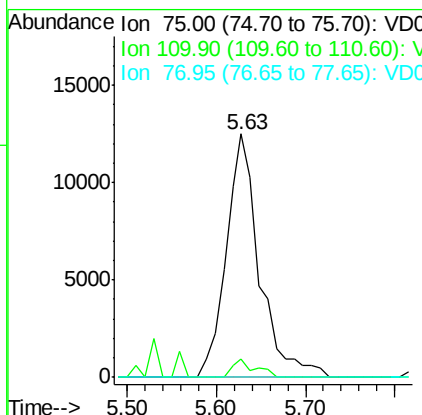
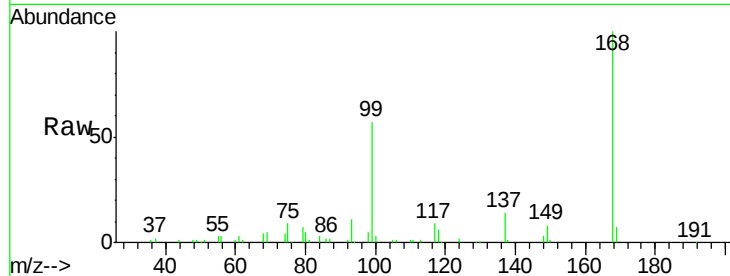




#36
 1,1-Dichloropropene
 Concen: 6.553 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD057977.D
 Acq: 7 Jun 2018 17:46

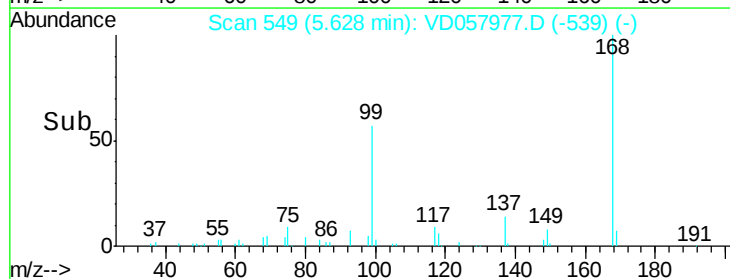
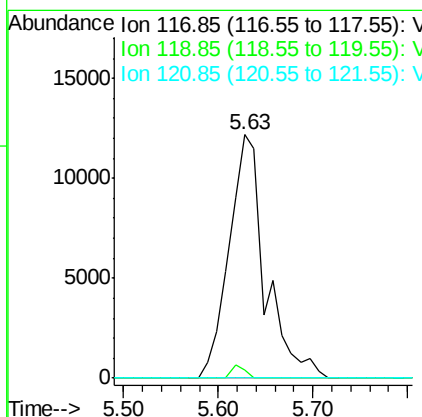
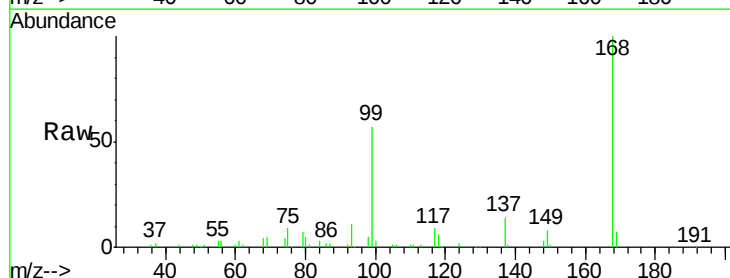
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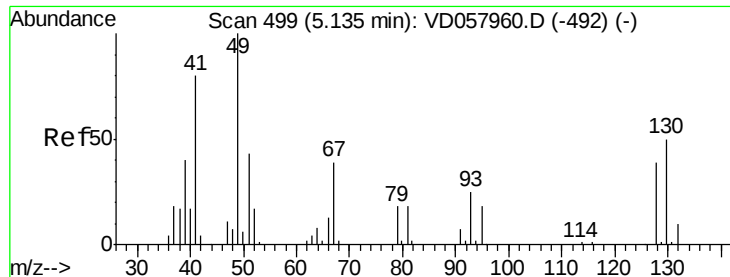
Tgt Ion: 75 Resp: 32589
 Ion Ratio Lower Upper
 75 100
 110 7.4 14.8 44.3#
 77 0.0 23.9 35.9#



#38
 Carbon Tetrachloride
 Concen: 6.614 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD057977.D
 Acq: 7 Jun 2018 17:46

Tgt Ion: 117 Resp: 32419
 Ion Ratio Lower Upper
 117 100
 119 3.2 76.1 114.1#
 121 0.0 24.9 37.3#





#41

Methacrylonitrile

Concen: 1.134 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.06 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampled :

B-3(11.0)

Tgt Ion: 41 Resp: 1407

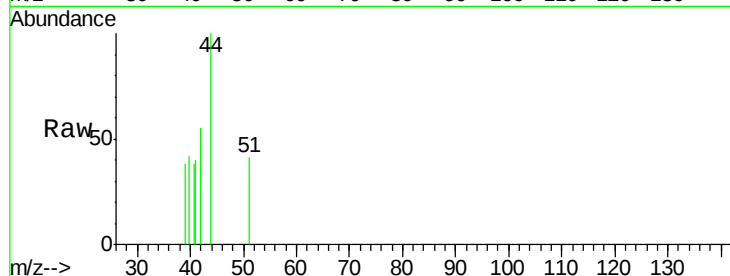
Ion Ratio Lower Upper

41 100

39 48.9 40.7 61.1

67 0.0 38.8 58.2#

52 0.0 17.3 25.9#

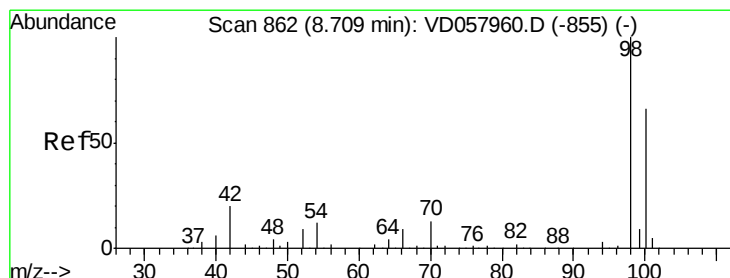
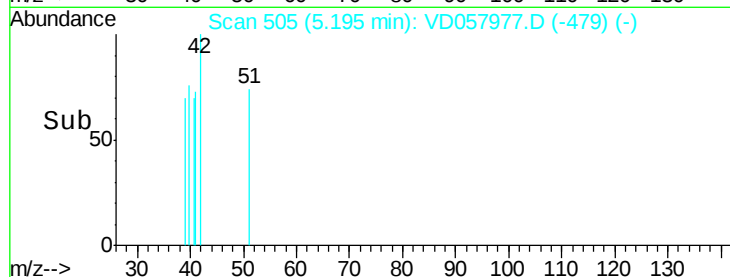
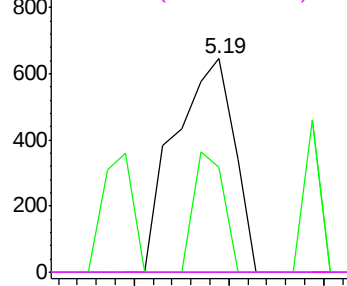


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD057977.D

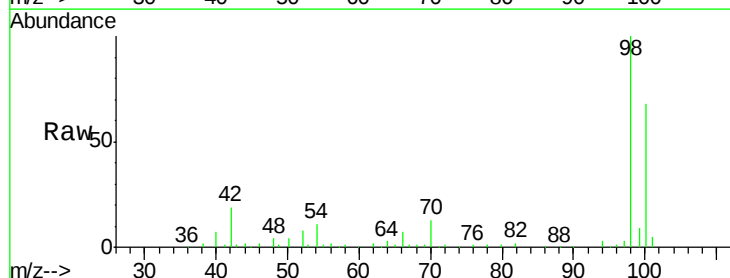
Acq: 7 Jun 2018 17:46

Tgt Ion: 98 Resp: 458983

Ion Ratio Lower Upper

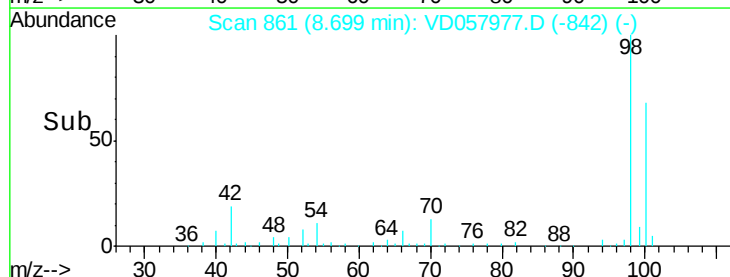
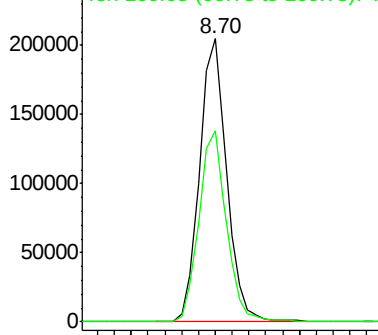
98 100

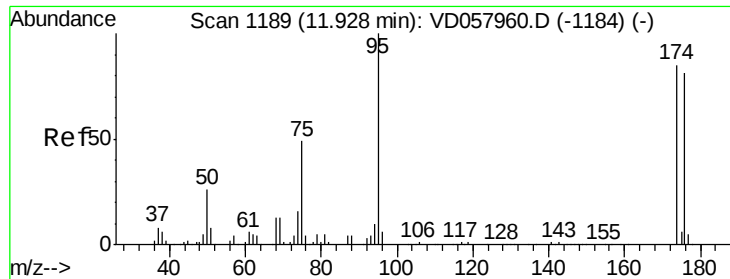
100 67.6 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

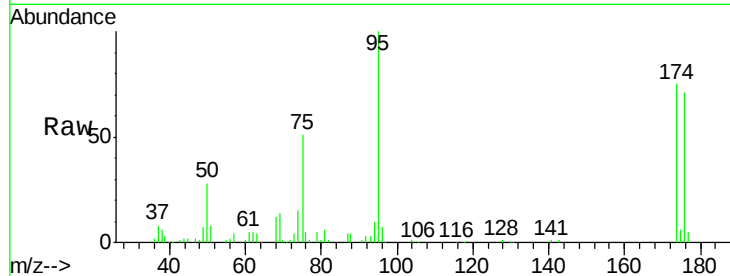




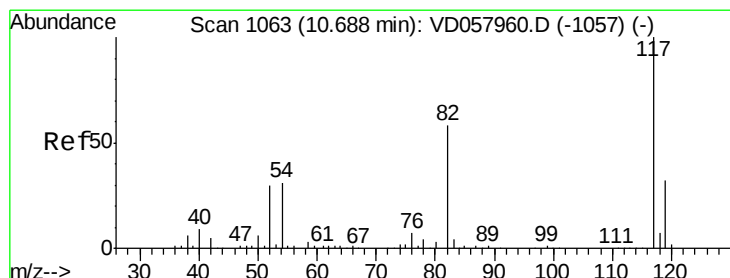
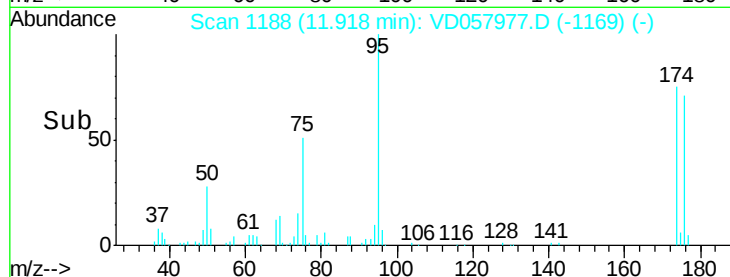
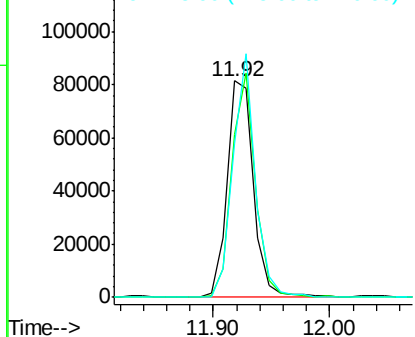
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD057977.D
Acq: 7 Jun 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
B-3(11.0)

Tgt Ion: 95 Resp: 127346
Ion Ratio Lower Upper
95 100
174 75.1 0.0 169.4
176 71.3 0.0 162.6

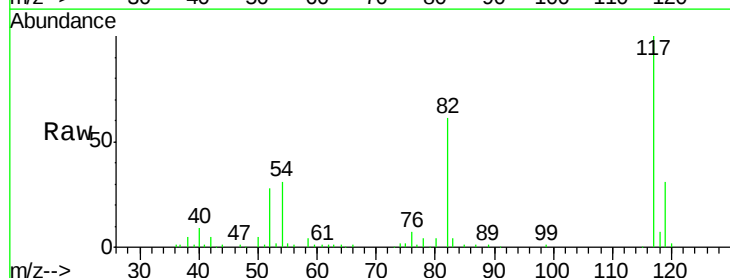


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

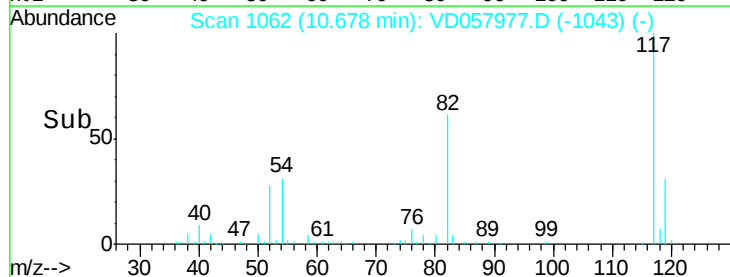
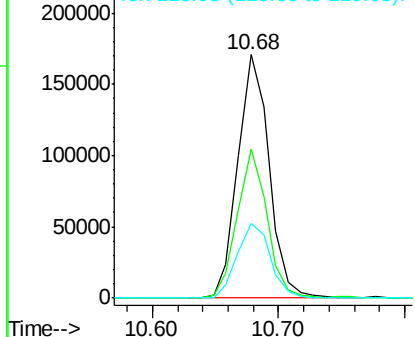


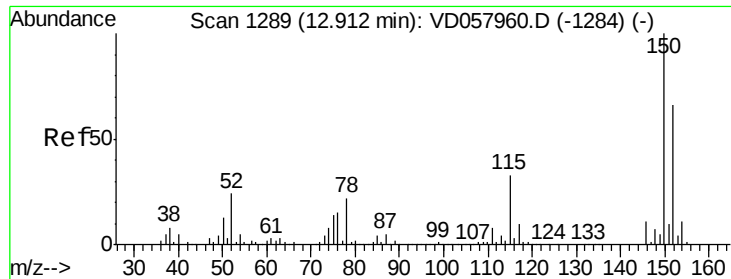
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057977.D
Acq: 7 Jun 2018 17:46

Tgt Ion: 117 Resp: 292718
Ion Ratio Lower Upper
117 100
82 61.4 46.8 70.2
119 30.5 25.8 38.6



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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

B-3(11.0)

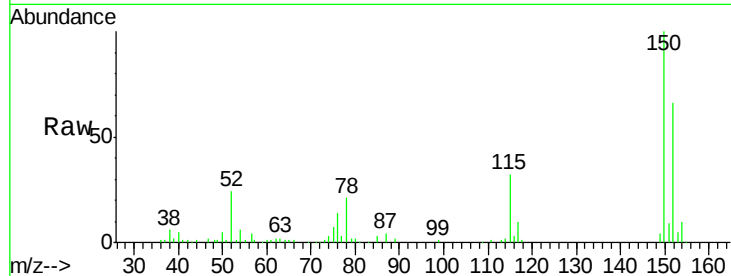
Tgt Ion:152 Resp: 89130

Ion Ratio Lower Upper

152 100

115 49.0 25.6 76.6

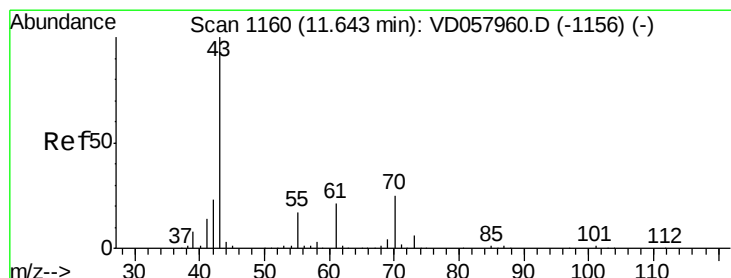
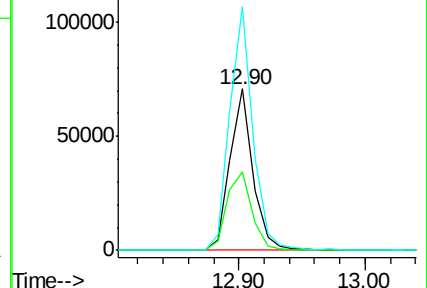
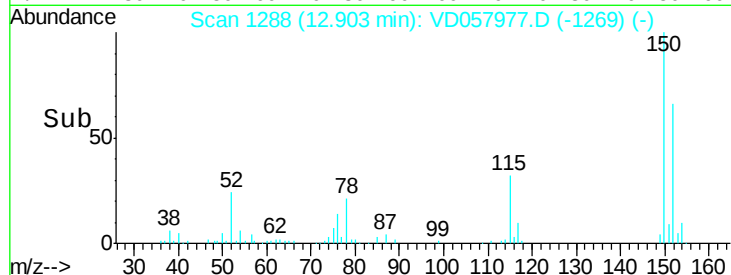
150 151.1 0.0 306.8



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



#74

N-ethyl acetate

Concen: 1.669 ug/l

RT: 11.69 min Scan# 1165

Delta R.T. 0.05 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Tgt Ion: 43 Resp: 3801

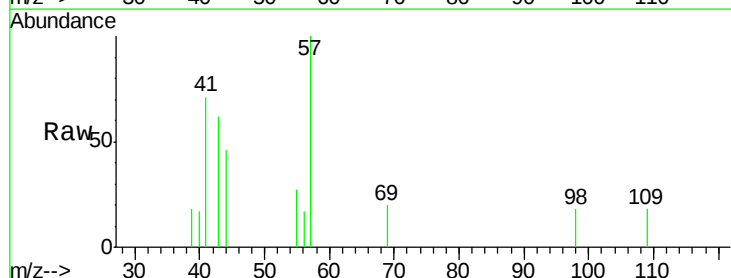
Ion Ratio Lower Upper

43 100

70 0.0 20.3 30.5#

55 43.7 13.9 20.9#

61 0.0 16.6 24.8#

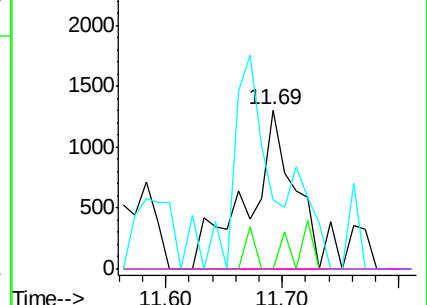
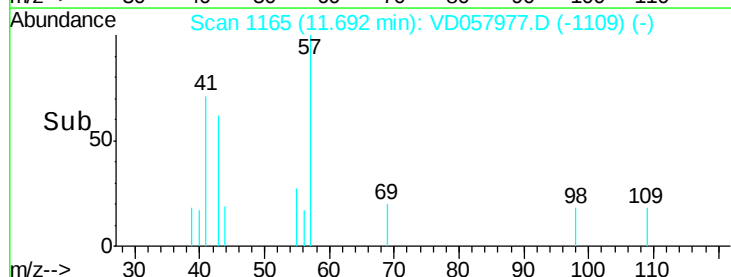


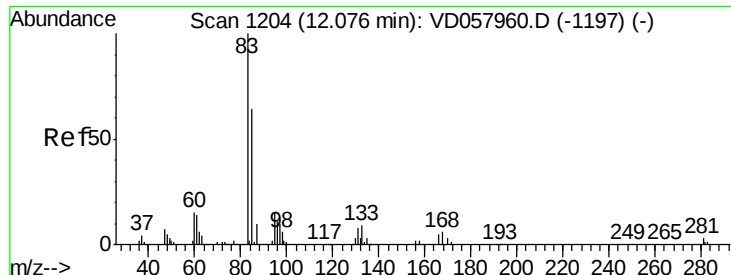
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.548 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

B-3(11.0)

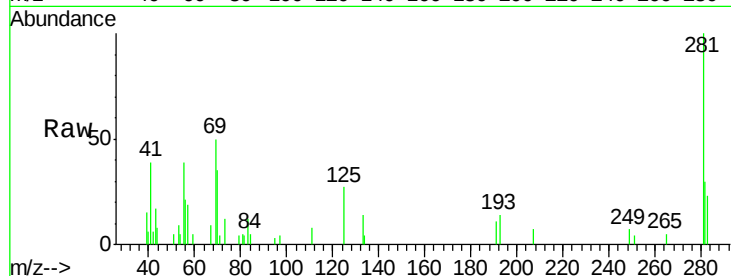
Tgt Ion: 83 Resp: 1993

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.6#

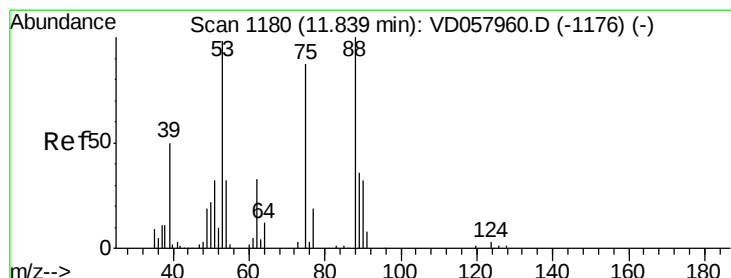
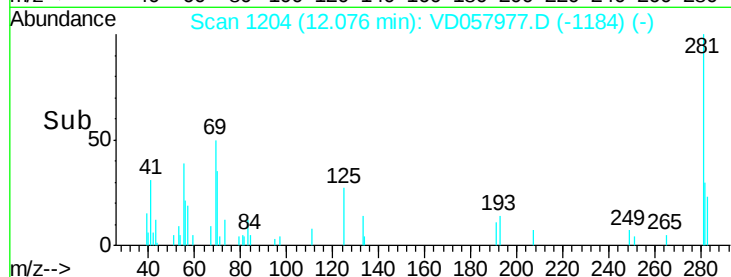
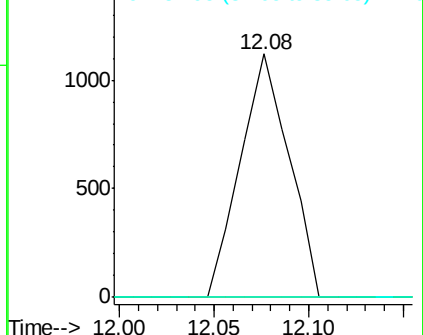
85 0.0 31.9 95.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 183.260 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

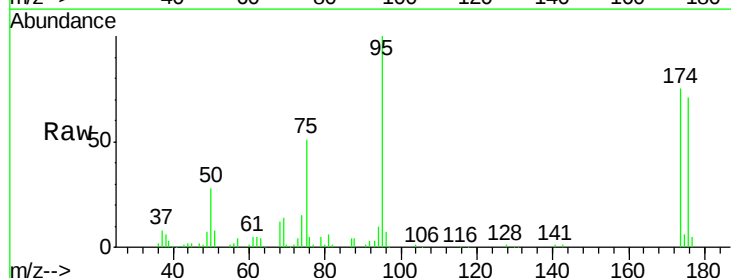
Tgt Ion: 75 Resp: 60772

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

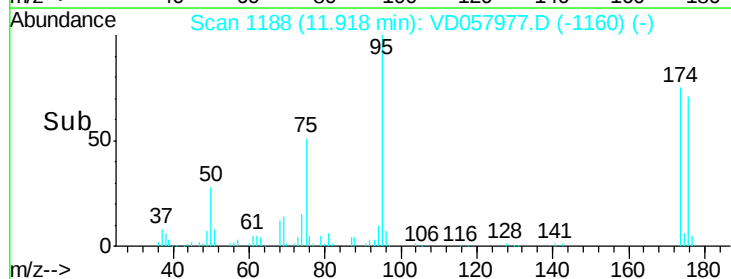
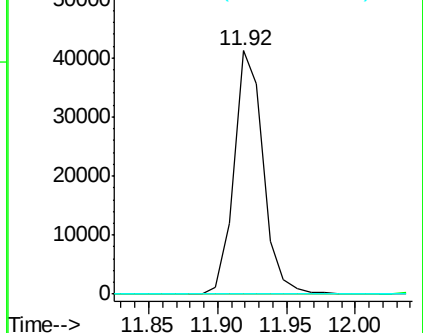
89 0.0 33.3 49.9#

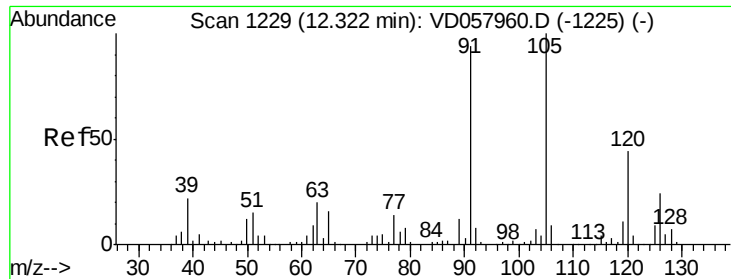


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

Instrument :

MSVOA_D

ClientSampleId :

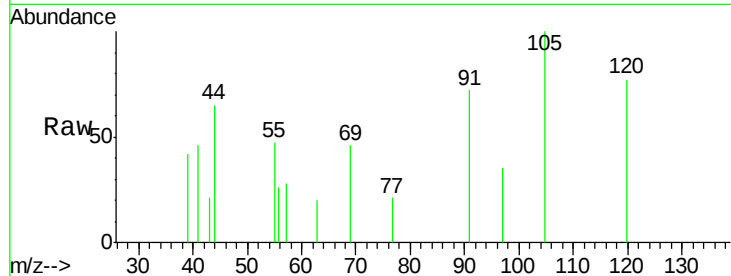
B-3(11.0)

Tgt Ion: 91 Resp: 1530

Ion Ratio Lower Upper

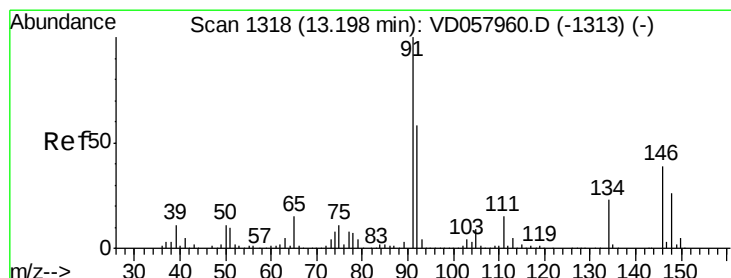
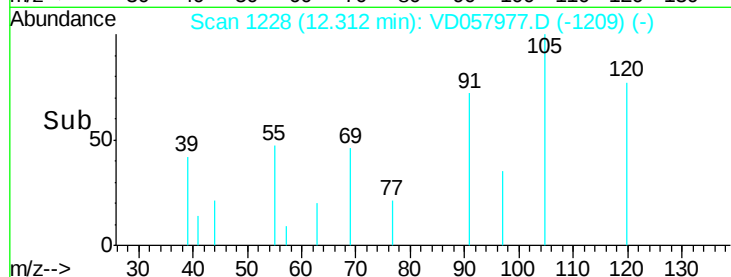
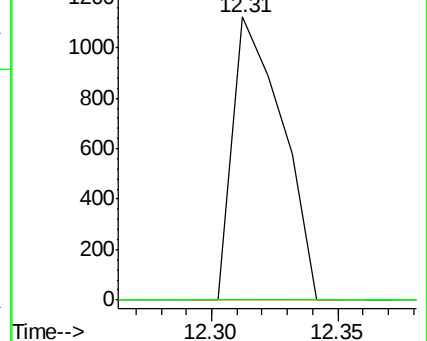
91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD057977.D

Acq: 7 Jun 2018 17:46

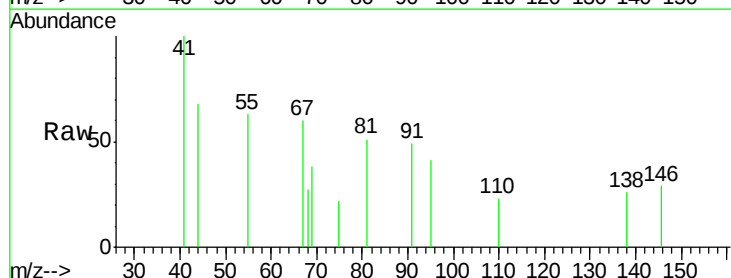
Tgt Ion: 91 Resp: 772

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

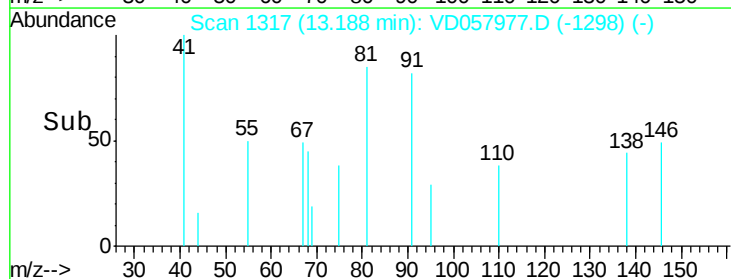
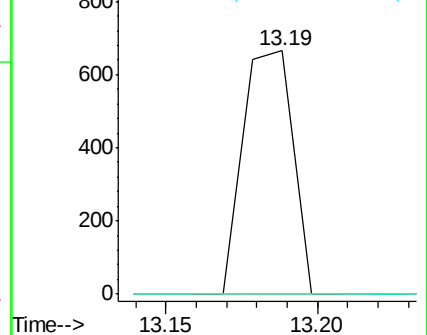
134 0.0 11.3 33.9#

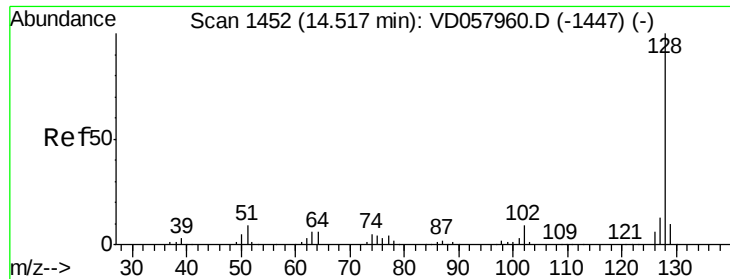


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

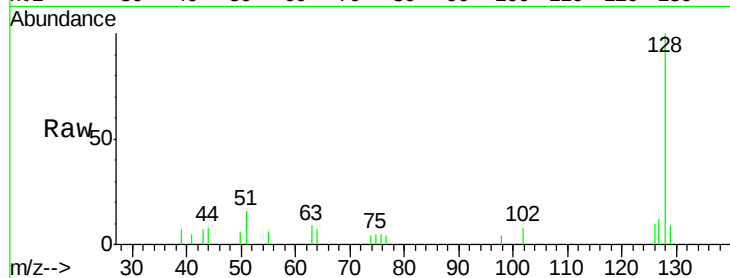




#95
Naphthalene
Concen: 3.403 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057977.D
Acq: 7 Jun 2018 17:46

Instrument :
MSVOA_D
ClientSampleId :
B-3(11.0)

Tgt Ion:128 Resp: 9793
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 8.8 8.2 12.2



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

