

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057985.D
 Acq On : 7 Jun 2018 21:31
 Operator : JC/SY
 Sample : J3331-02
 Misc : 6.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-03-5-7

Quant Time: Jun 08 06:51:25 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

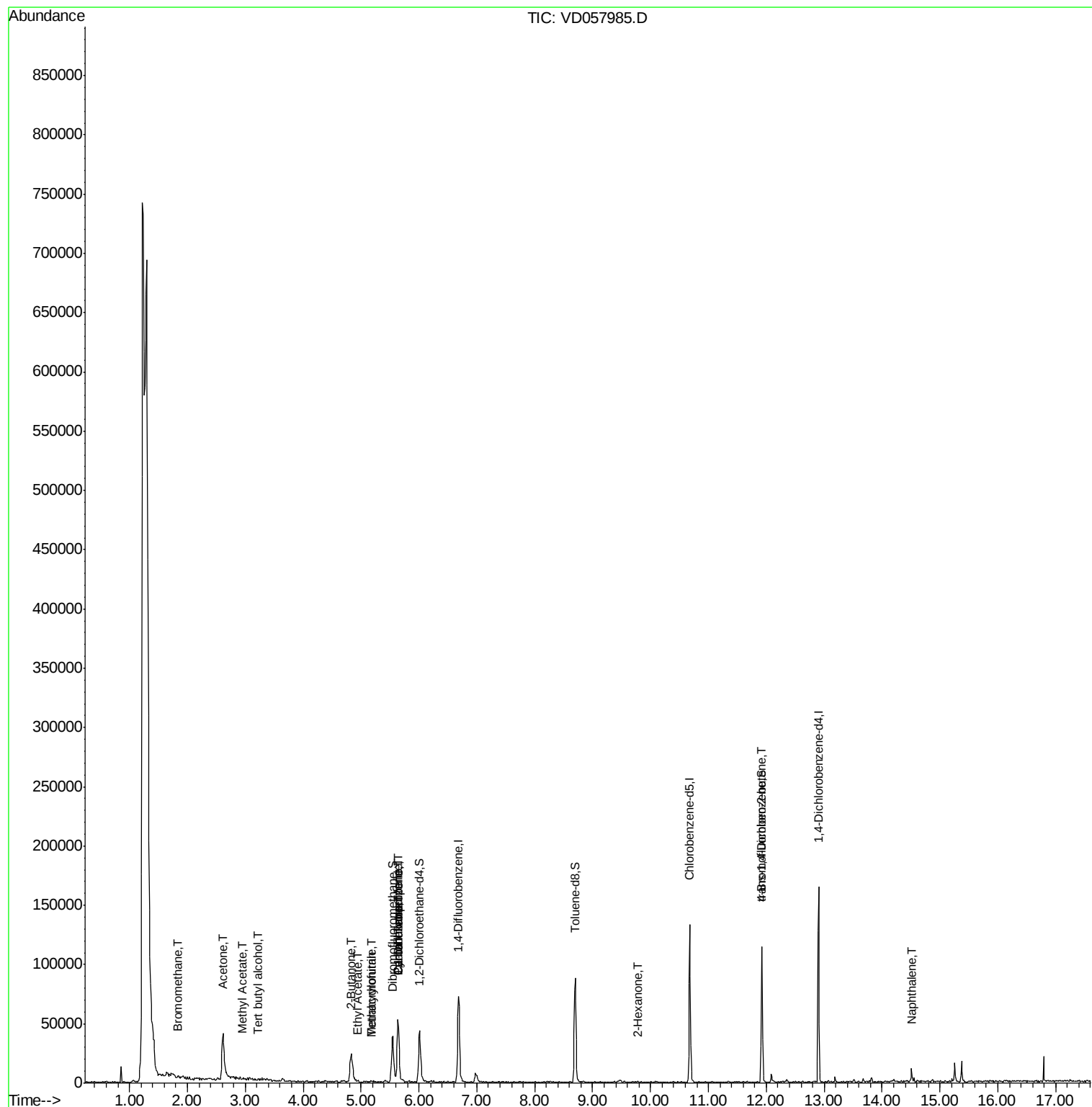
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	55216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	73263	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	67489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	36061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	43813	79.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	158.74%	
35) Dibromofluoromethane	5.55	113	33846	59.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.42%	
50) Toluene-d8	8.70	98	70840	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.92	95	35548	60.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.94%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.85	94	254	1.834	ug/l #	3
11) Tert butyl alcohol	3.23	59	178	12.037	ug/l #	74
16) Acetone	2.62	43	83471	1049.533	ug/l	93
18) Methyl Acetate	2.94	43	947	6.155	ug/l #	66
20) Methylene Chloride	3.08	84	189	Below Cal	#	40
25) 2-Butanone	4.83	43	40200	222.412	ug/l #	93
29) Tetrahydrofuran	5.18	42	401	4.232	ug/l #	39
31) Cyclohexane	5.63	56	1041	1.085	ug/l #	8
36) 1,1-Dichloropropene	5.63	75	4452	5.516	ug/l #	45
37) Ethyl Acetate	4.94	43	1366	3.102	ug/l #	72
38) Carbon Tetrachloride	5.65	117	4400	5.531	ug/l #	12
41) Methacrylonitrile	5.19	41	428	2.125	ug/l #	32
59) 2-Hexanone	9.78	43	587	2.165	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.92	75	17862	133.132	ug/l #	6
82) 4-Chlorotoluene	12.32	91	278	Below Cal	#	50
95) Naphthalene	14.51	128	6655	5.716	ug/l #	92

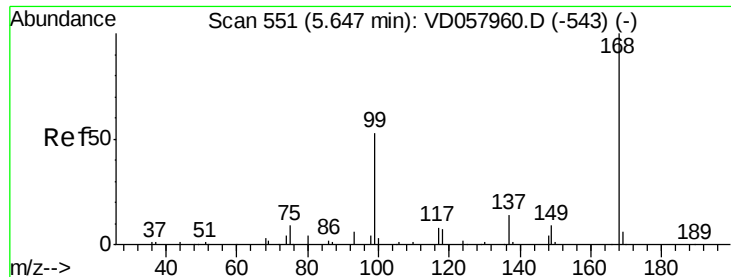
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

Instrument :

MSVOA_D

ClientSampleId :

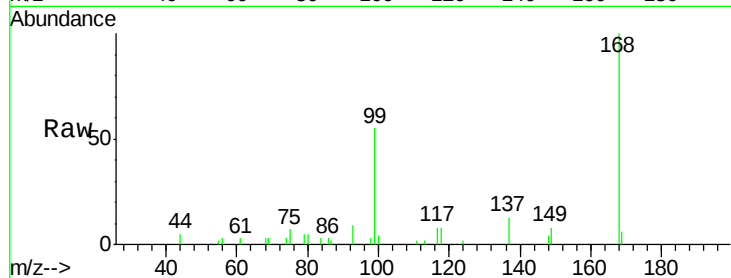
CAS1-SB-03-5-7

Tgt Ion:168 Resp: 55216

Ion Ratio Lower Upper

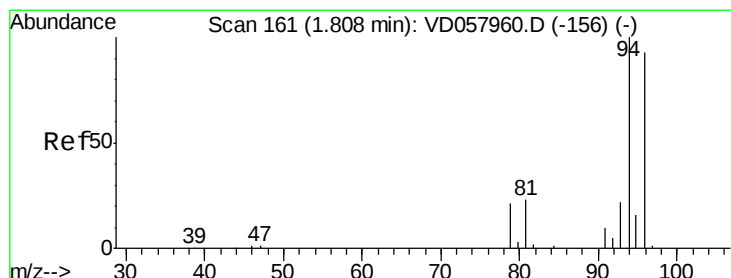
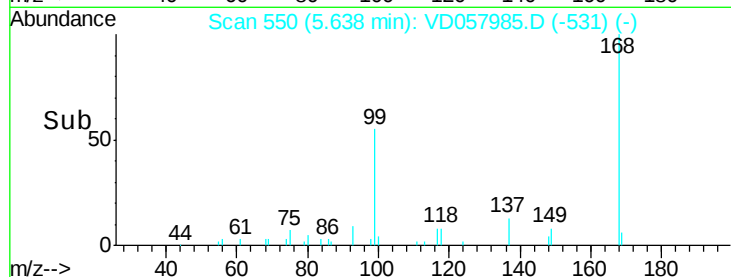
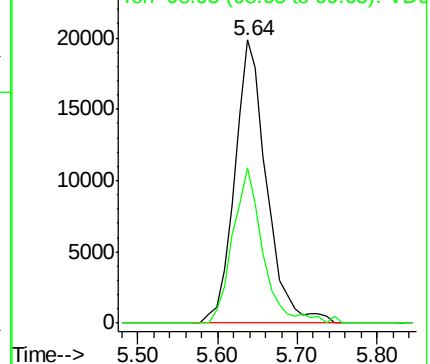
168 100

99 55.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.834 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.04 min

Lab File: VD057985.D

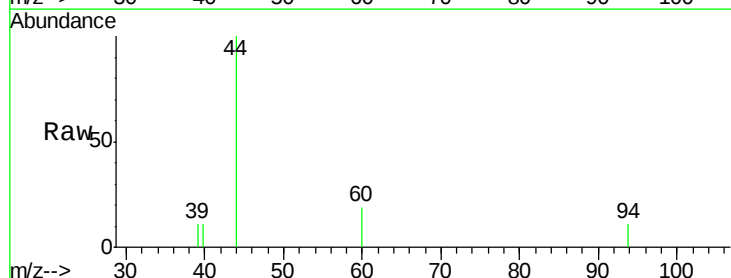
Acq: 7 Jun 2018 21:31

Tgt Ion: 94 Resp: 254

Ion Ratio Lower Upper

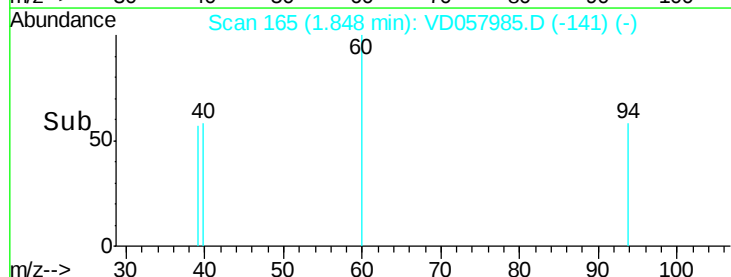
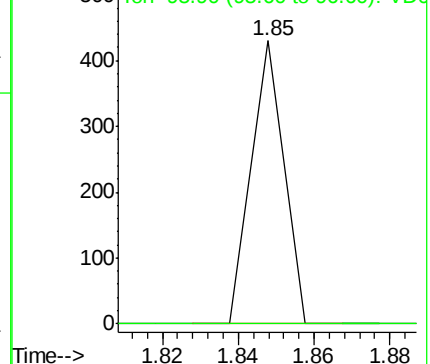
94 100

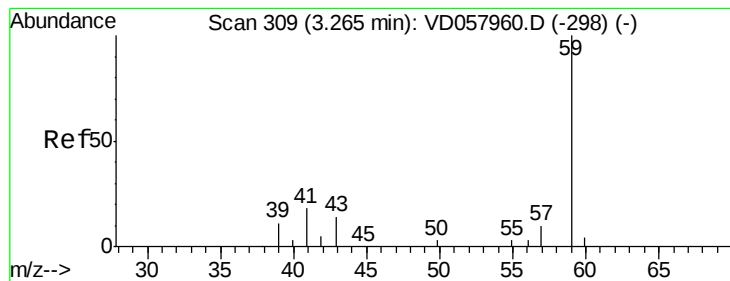
96 0.0 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



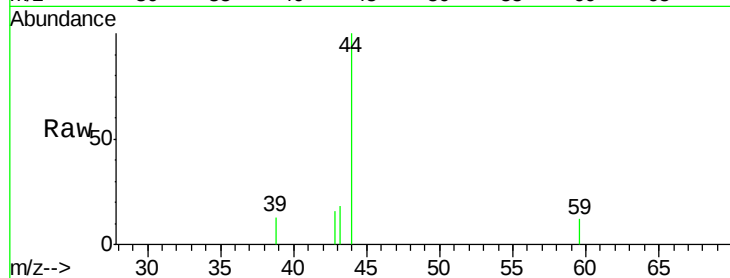


#11

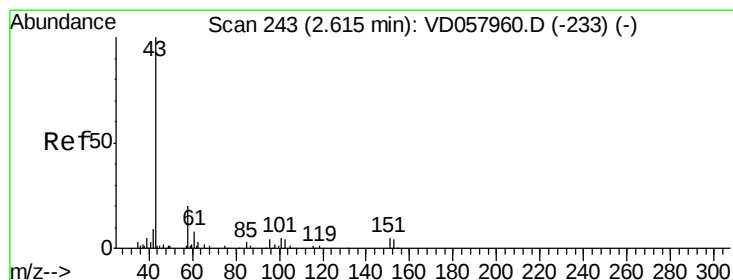
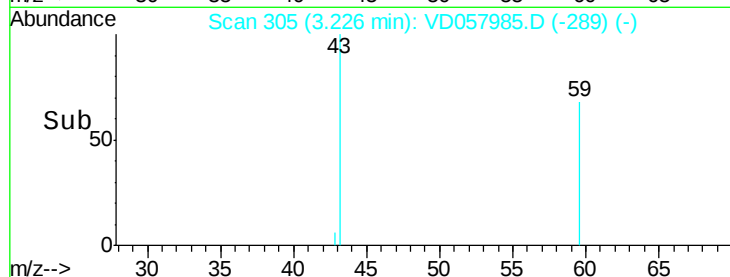
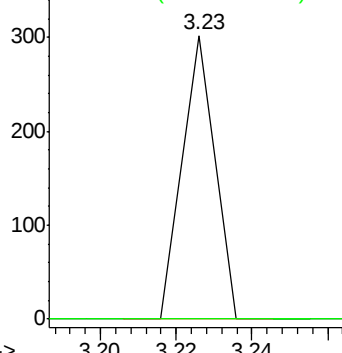
Tert butyl alcohol
 Concen: 12.037 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VD057985.D
 Acq: 7 Jun 2018 21:31

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-03-5-7

Tgt Ion: 59 Resp: 178
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



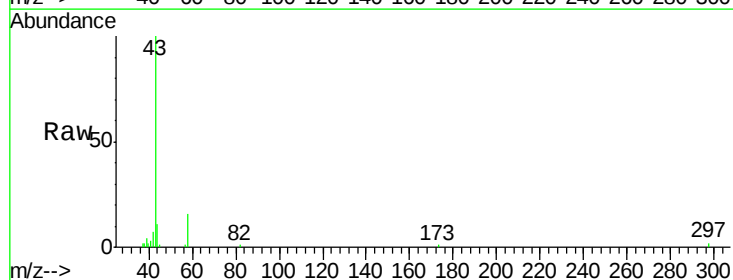
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



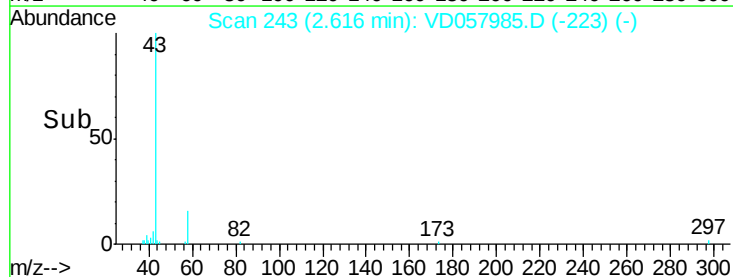
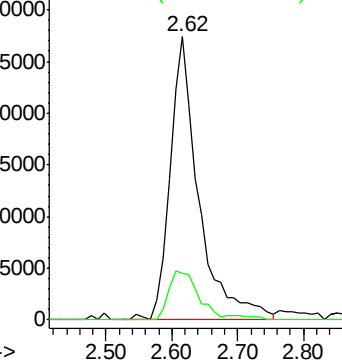
#16

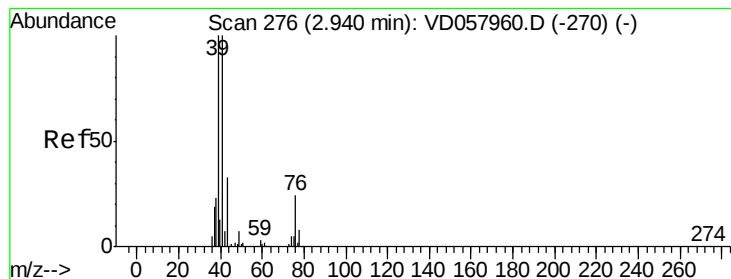
Acetone
 Concen: 1049.533 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD057985.D
 Acq: 7 Jun 2018 21:31

Tgt Ion: 43 Resp: 83471
 Ion Ratio Lower Upper
 43 100
 58 16.5 15.8 23.8



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





#18

Methyl Acetate

Concen: 6.155 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

Instrument :

MSVOA_D

ClientSampleId :

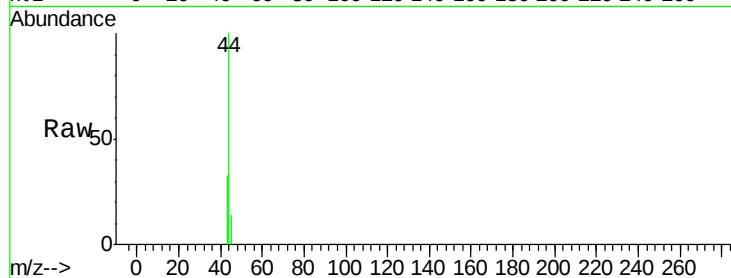
CAS1-SB-03-5-7

Tgt Ion: 43 Resp: 947

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

2.94

800

600

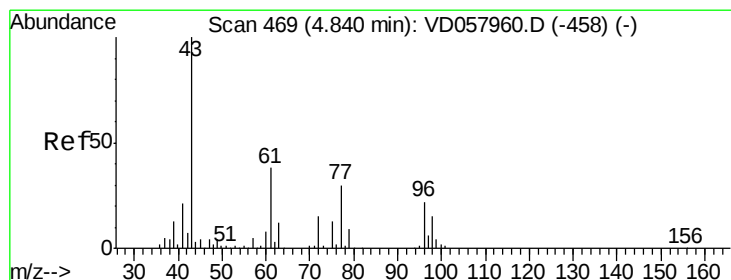
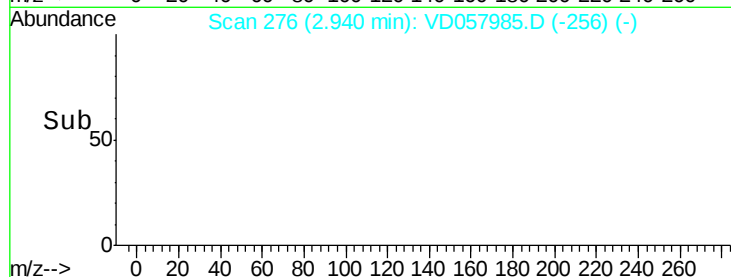
400

200

0

2.92 2.94 2.96 2.98

Time-->



#25

2-Butanone

Concen: 222.412 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057985.D

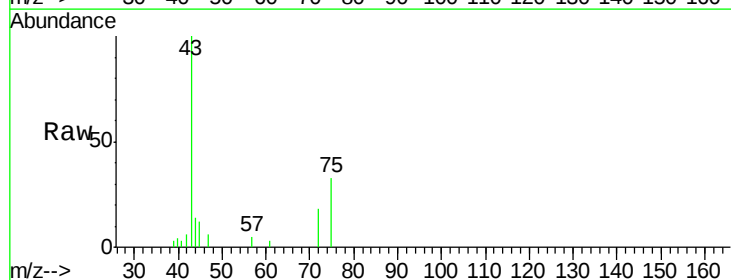
Acq: 7 Jun 2018 21:31

Tgt Ion: 43 Resp: 40200

Ion Ratio Lower Upper

43 100

72 18.1 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.83

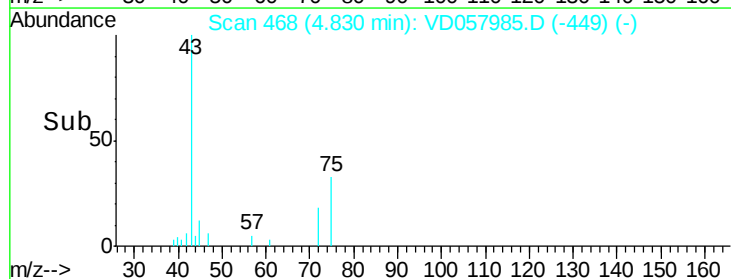
10000

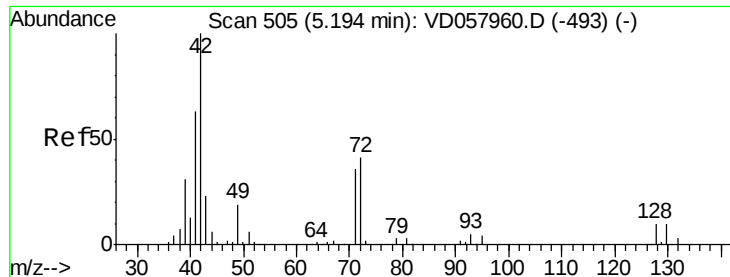
5000

0

4.70 4.80 4.90

Time-->

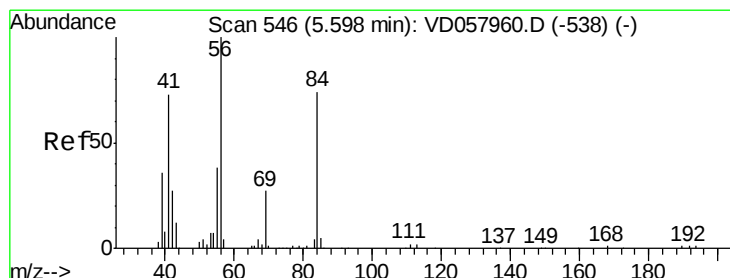
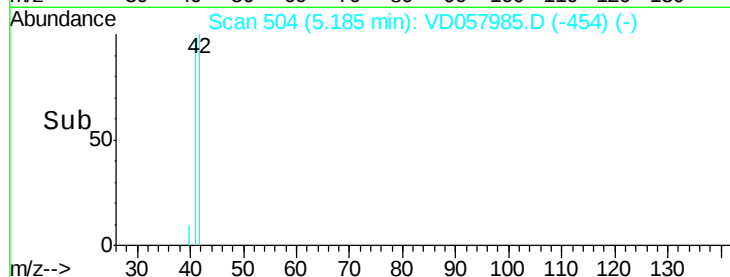
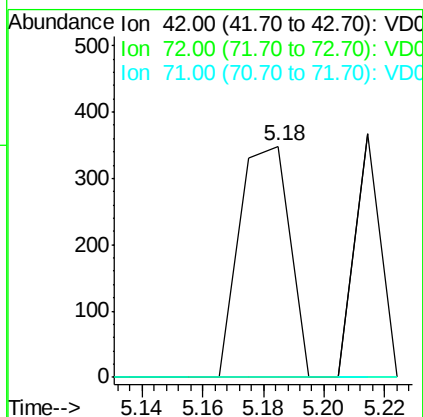
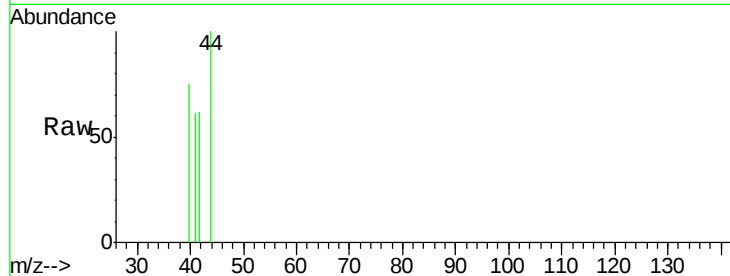




#29
Tetrahydrofuran
Concen: 4.232 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

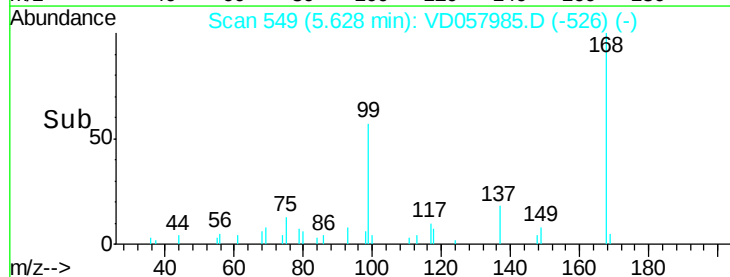
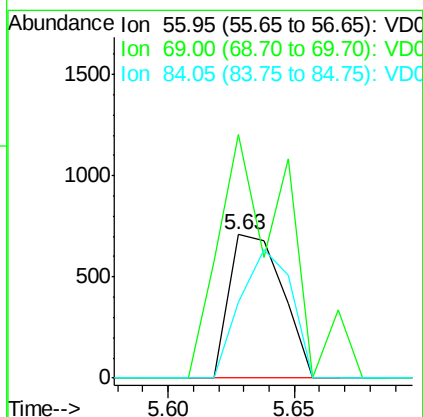
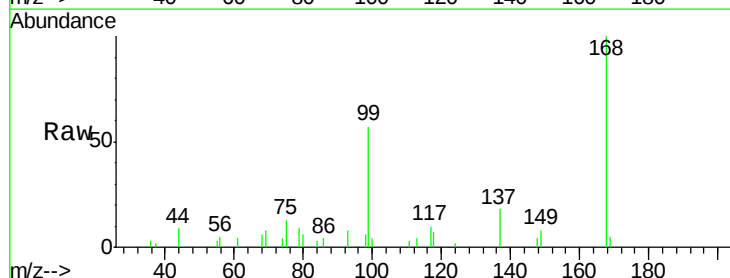
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-03-5-7

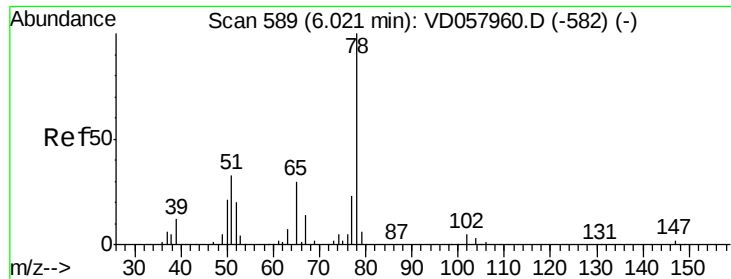
Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

Tgt Ion: 56 Resp: 1041
Ion Ratio Lower Upper
56 100
69 169.4 21.5 32.3#
84 53.2 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

Instrument :

MSVOA_D

ClientSampleId :

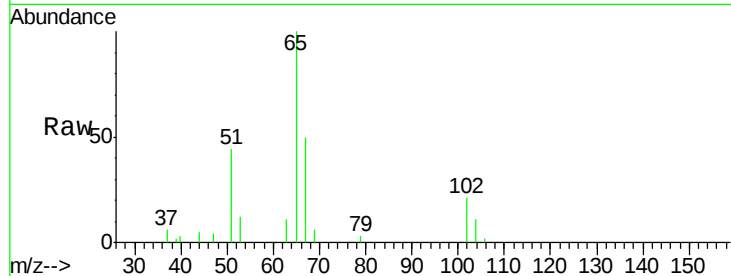
CAS1-SB-03-5-7

Tgt Ion: 65 Resp: 43813

Ion Ratio Lower Upper

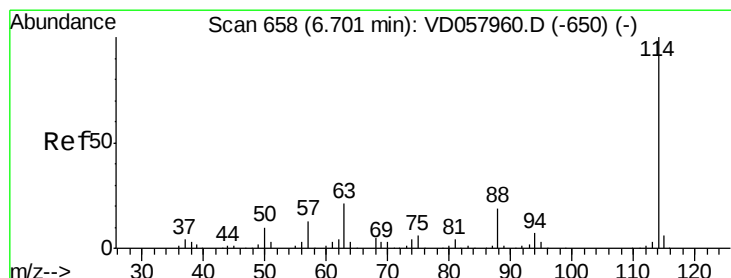
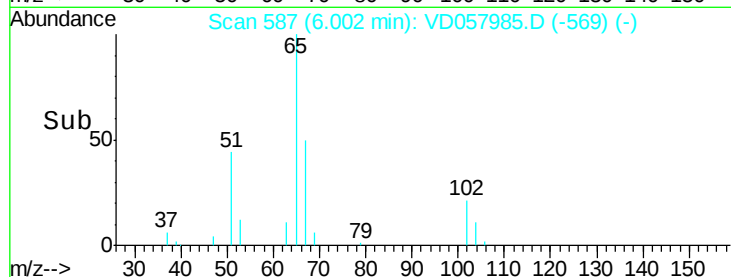
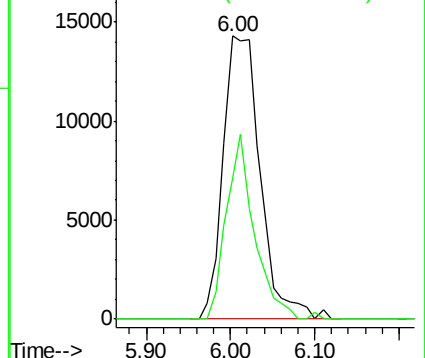
65 100

67 49.7 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: VD057985.D

Acq: 7 Jun 2018 21:31

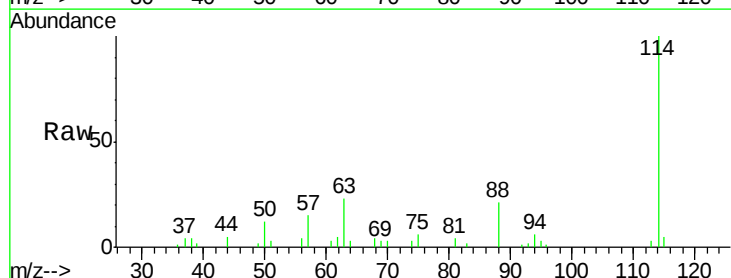
Tgt Ion: 114 Resp: 73263

Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.8

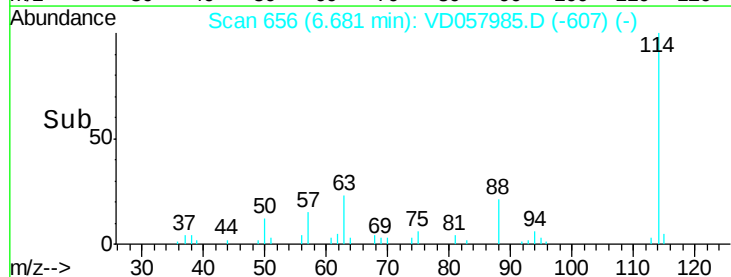
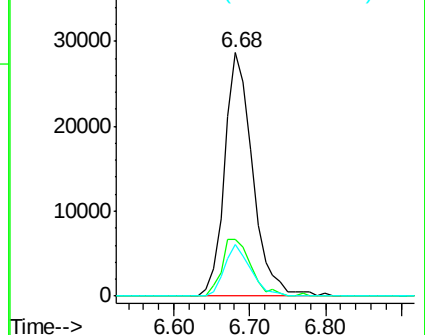
88 21.0 0.0 37.8

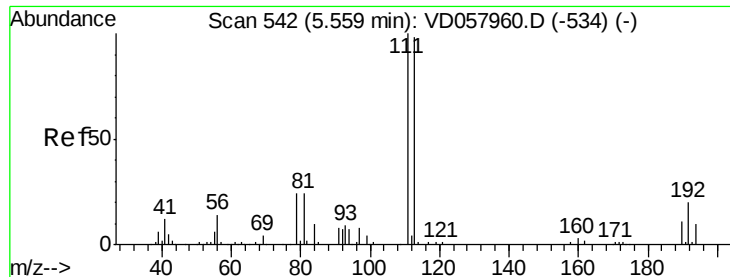


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

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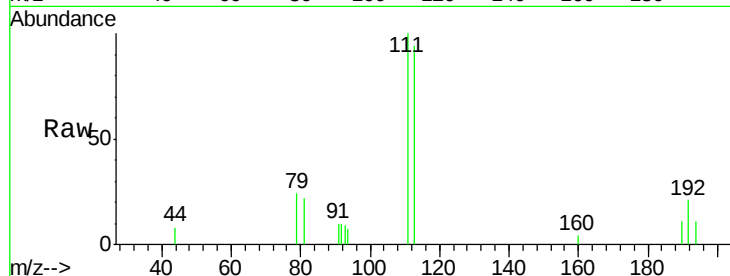
Tgt Ion:113 Resp: 33846

Ion Ratio Lower Upper

113 100

111 106.0 81.5 122.3

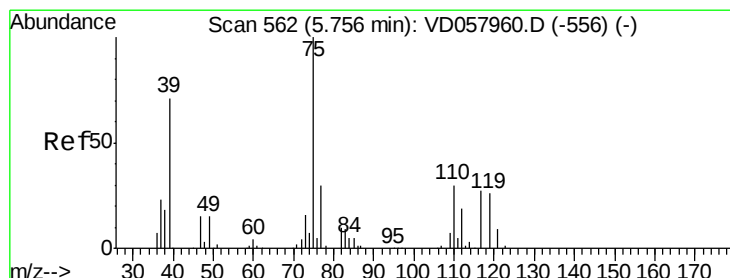
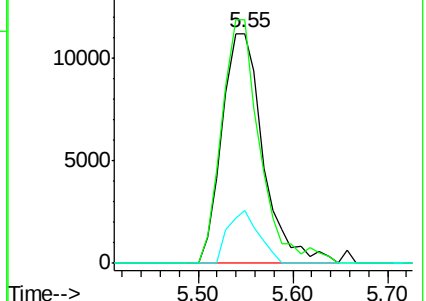
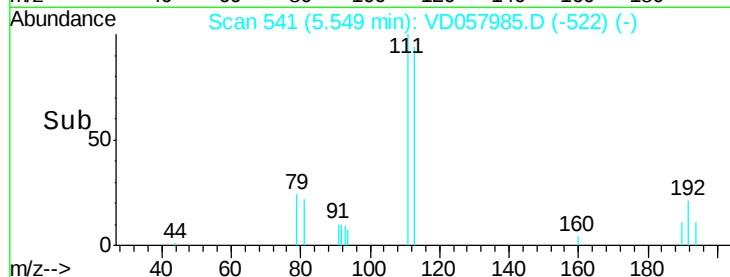
192 22.8 16.4 24.6



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: 5.516 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

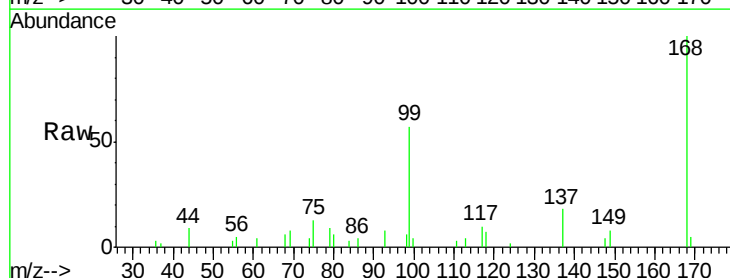
Tgt Ion: 75 Resp: 4452

Ion Ratio Lower Upper

75 100

110 0.0 14.8 44.3#

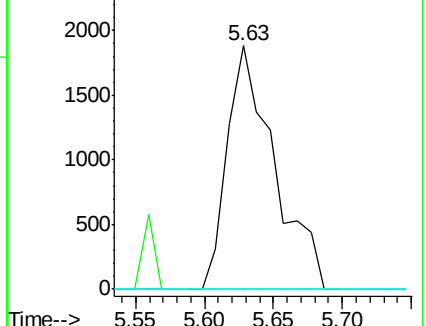
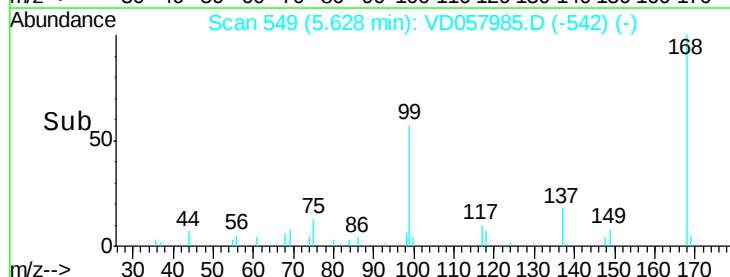
77 0.0 23.9 35.9#

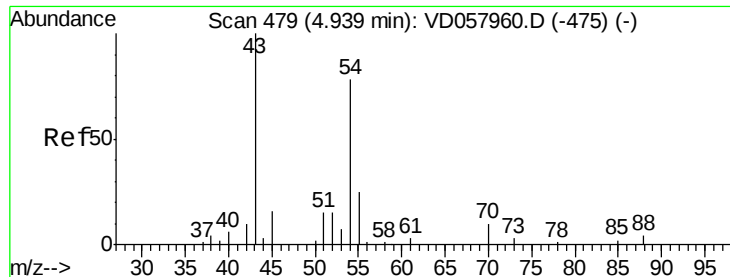


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 3.102 ug/l

RT: 4.94 min Scan# 479

Delta R.T. 0.00 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-03-5-7

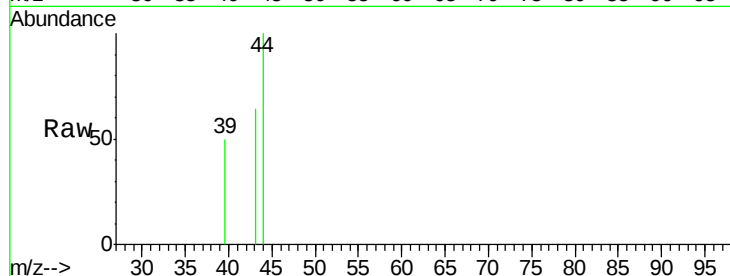
Tgt Ion: 43 Resp: 1366

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

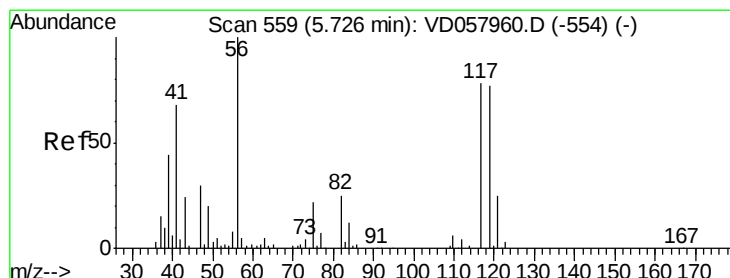
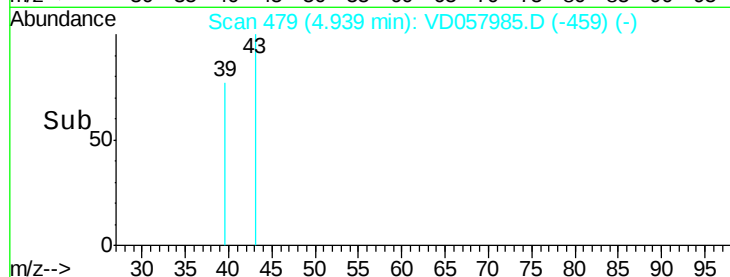
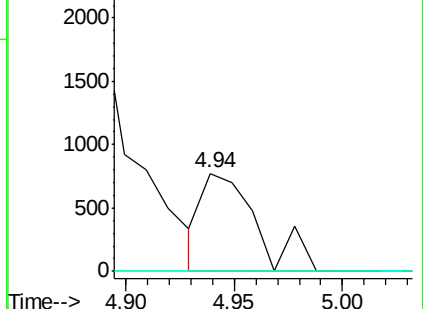
70 0.0 5.7 8.5#



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: 5.531 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

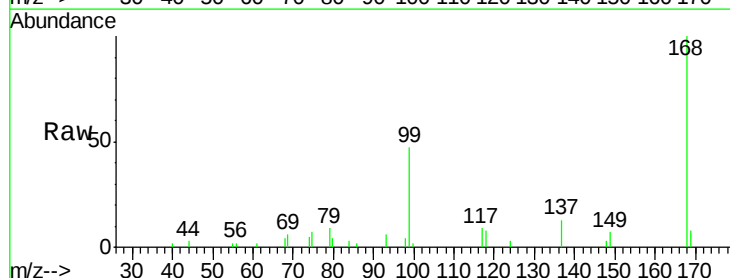
Tgt Ion: 117 Resp: 4400

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

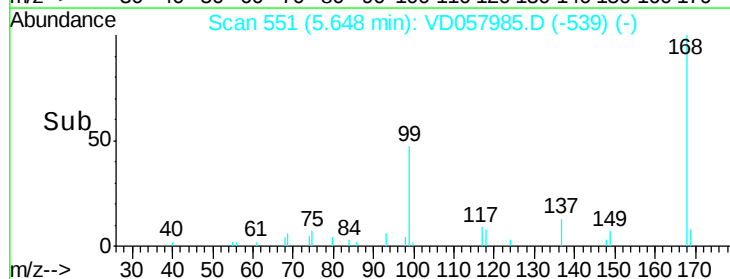
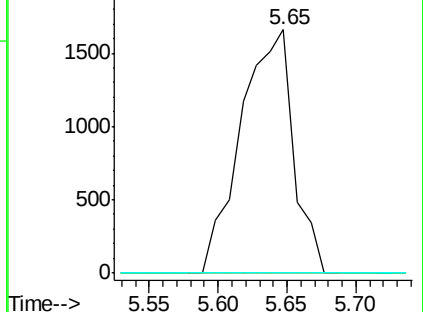
121 0.0 24.9 37.3#

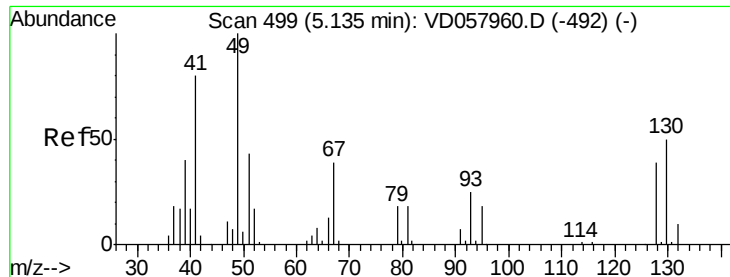


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#41

Methacrylonitrile

Concen: 2.125 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.06 min

Lab File: VD057985.D

Acq: 7 Jun 2018 21:31

Instrument :

MSVOA_D

ClientSampleId :

CAS1-SB-03-5-7

Tgt Ion: 41 Resp: 428

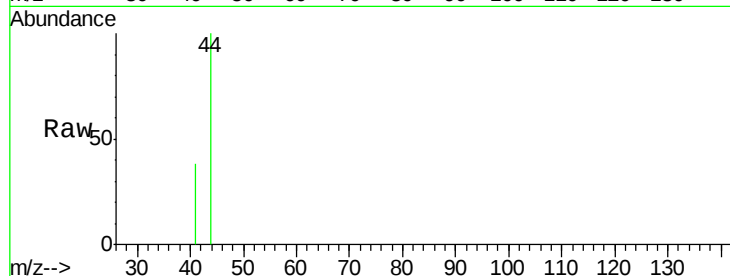
Ion Ratio Lower Upper

41 100

39 0.0 40.7 61.1#

67 0.0 38.8 58.2#

52 0.0 17.3 25.9#

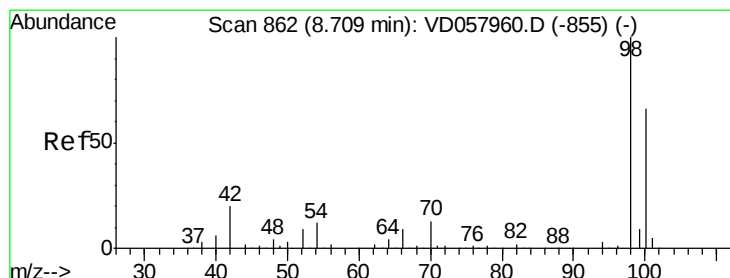
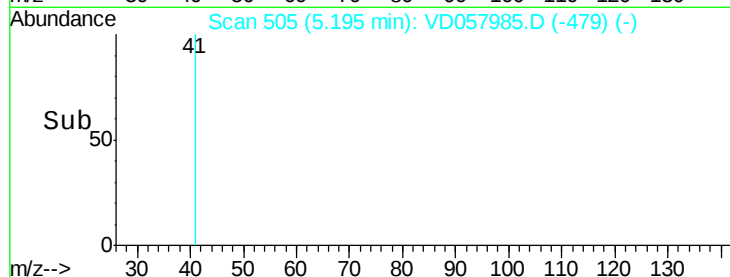
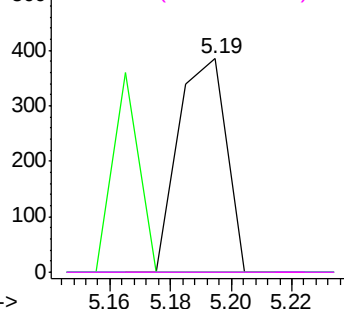


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: VD057985.D

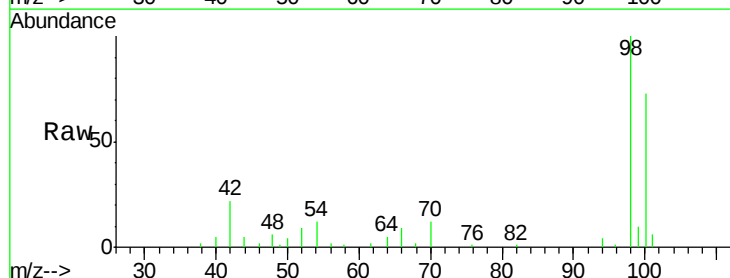
Acq: 7 Jun 2018 21:31

Tgt Ion: 98 Resp: 70840

Ion Ratio Lower Upper

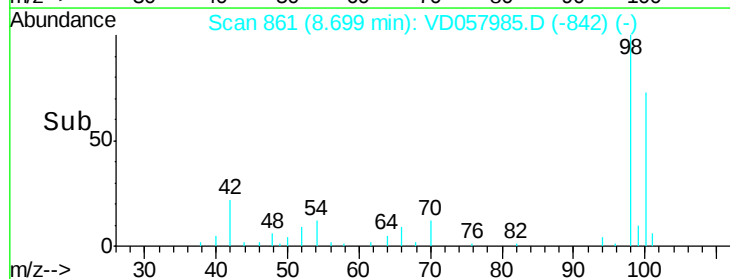
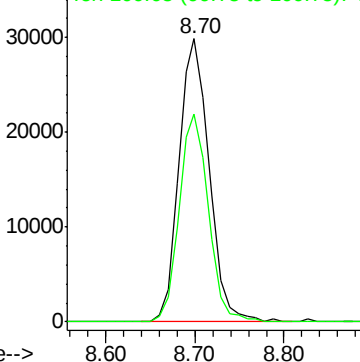
98 100

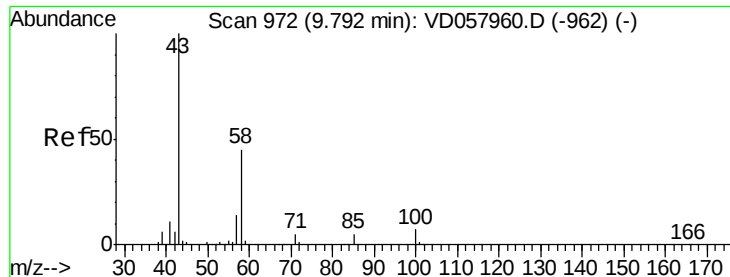
100 73.5 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

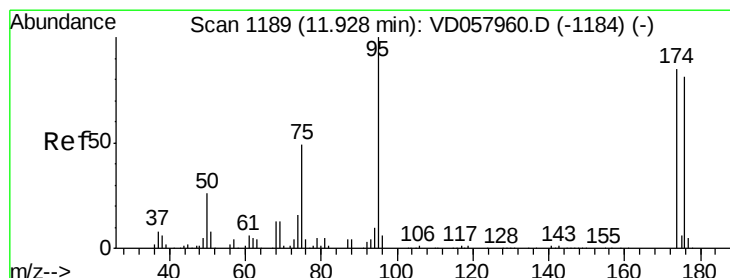
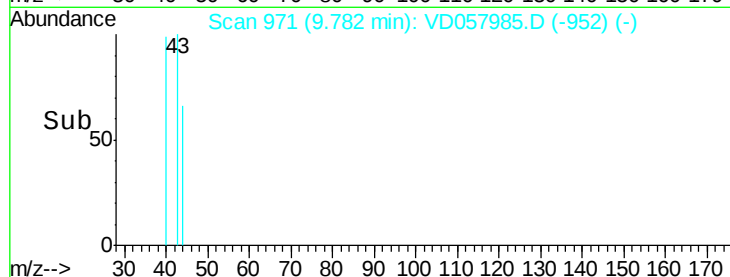
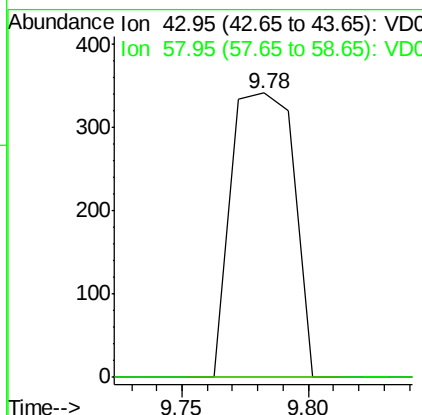
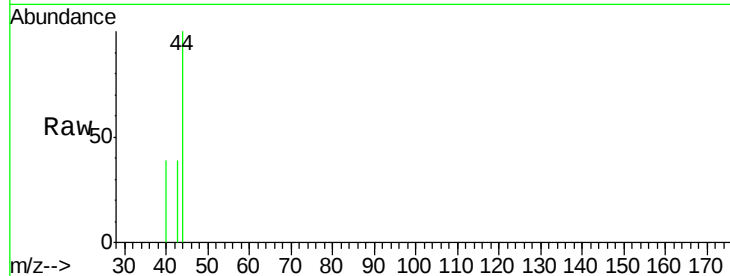




#59
2-Hexanone
Concen: 2.165 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

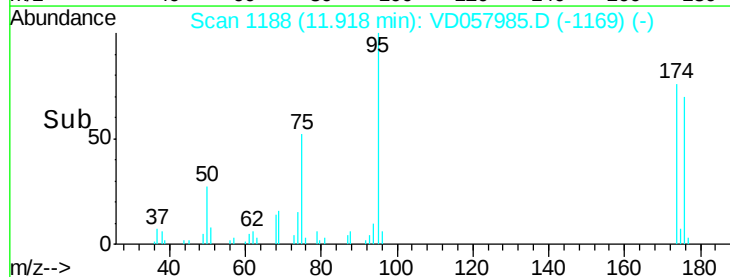
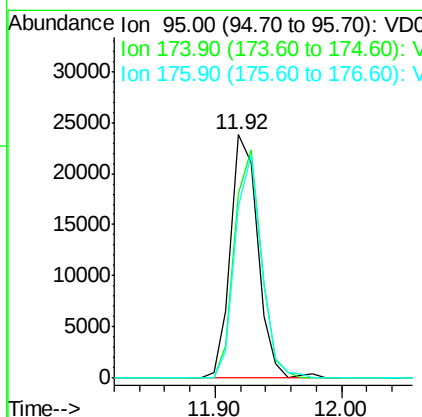
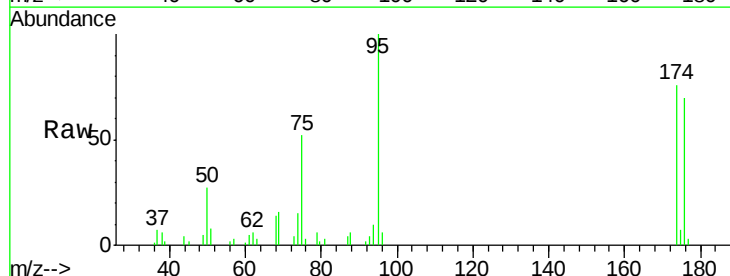
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-03-5-7

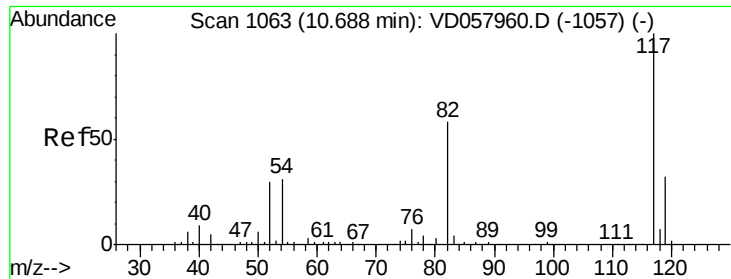
Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 0.0 22.5 67.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

Tgt Ion: 95 Resp: 35548
Ion Ratio Lower Upper
95 100
174 76.1 0.0 169.4
176 73.5 0.0 162.6

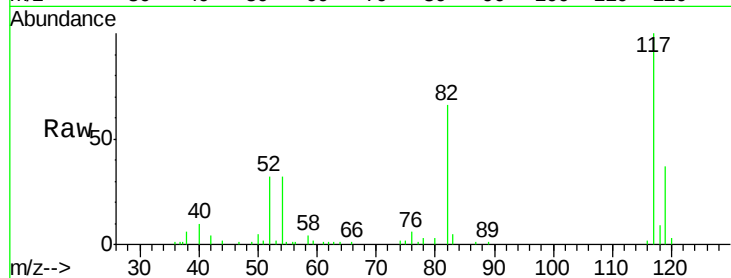




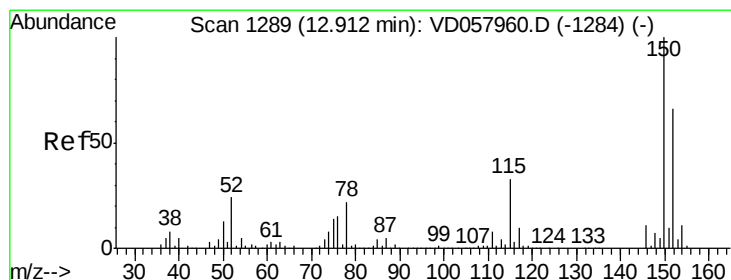
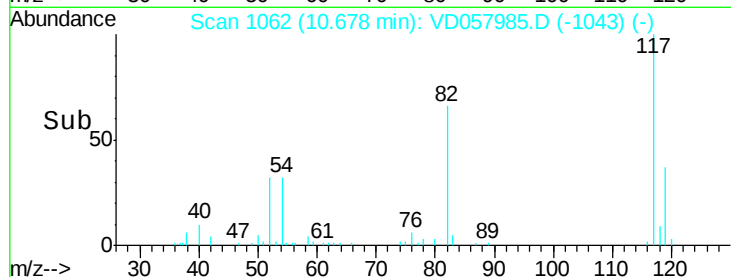
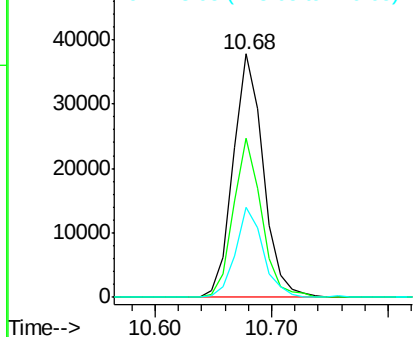
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-03-5-7

Tgt Ion:117 Resp: 67489
Ion Ratio Lower Upper
117 100
82 65.6 46.8 70.2
119 36.8 25.8 38.6

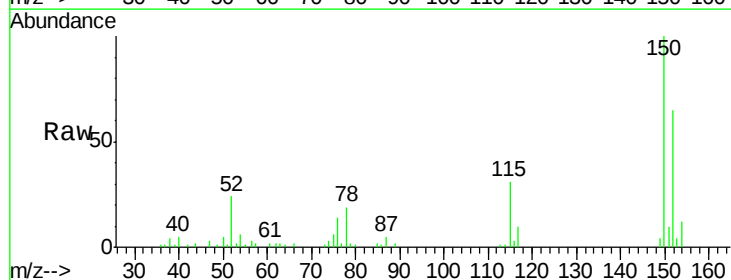


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

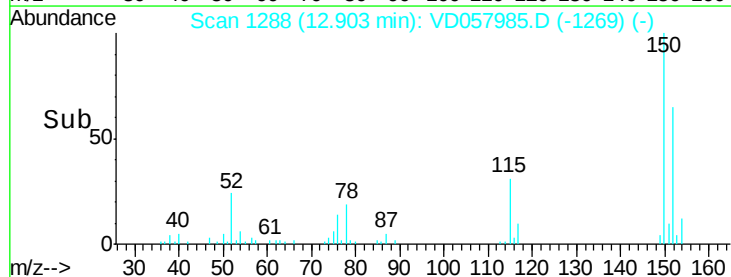
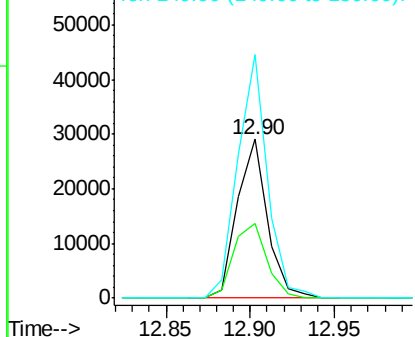


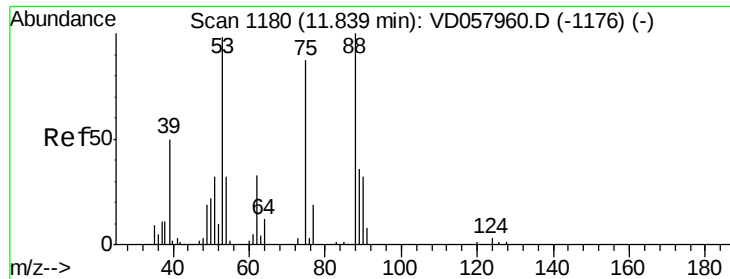
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

Tgt Ion:152 Resp: 36061
Ion Ratio Lower Upper
152 100
115 47.0 25.6 76.6
150 153.5 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

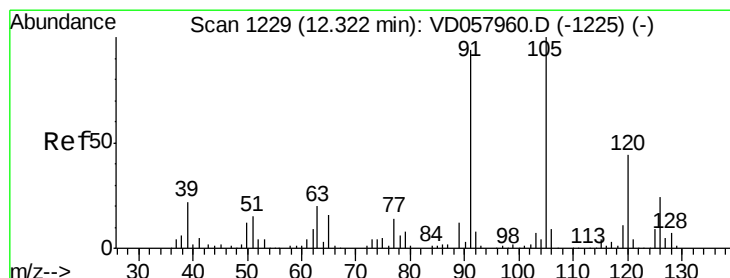
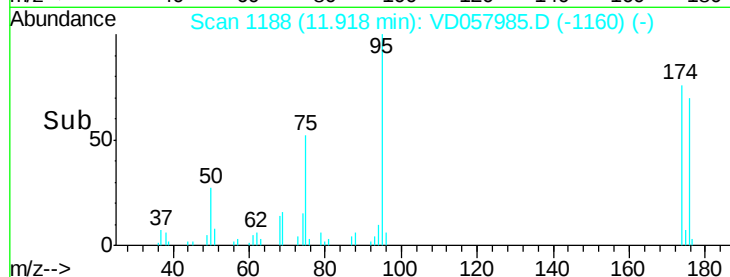
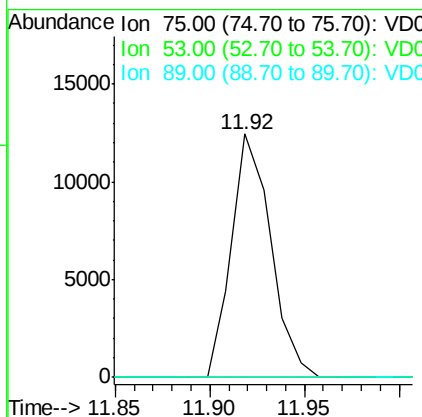
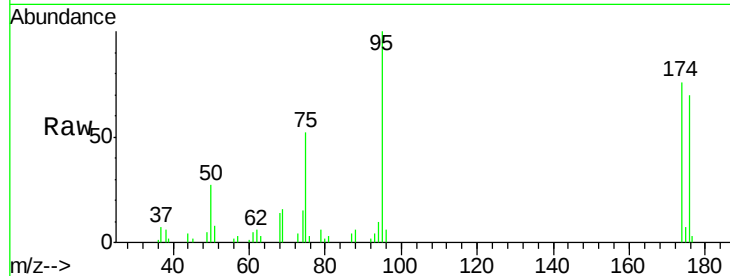




#81
trans-1,4-Dichloro-2-butene
Concen: 133.132 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

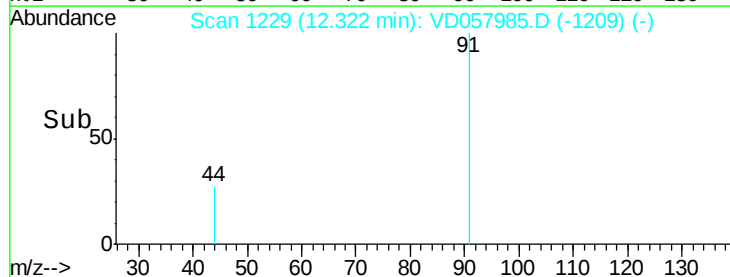
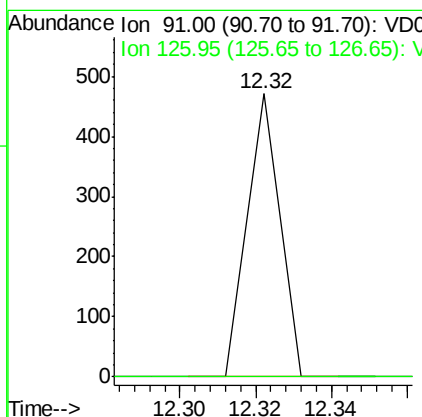
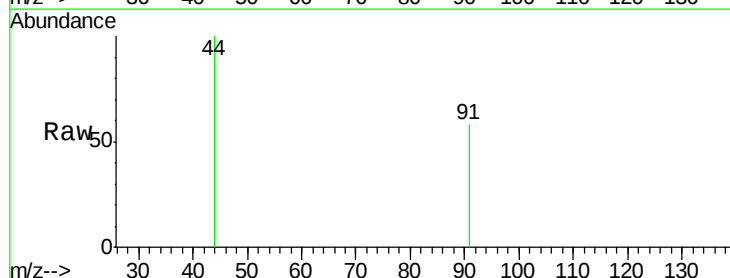
Instrument :
MSVOA_D
ClientSampleId :
CAS1-SB-03-5-7

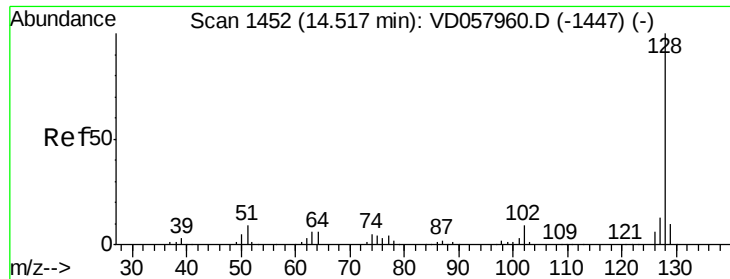
Tgt Ion: 75 Resp: 17862
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD057985.D
Acq: 7 Jun 2018 21:31

Tgt Ion: 91 Resp: 278
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#

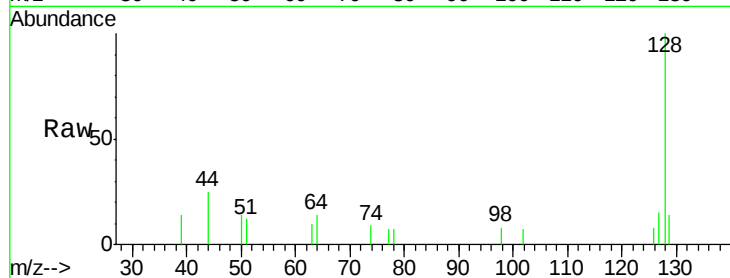




#95
 Naphthalene
 Concen: 5.716 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD057985.D
 Acq: 7 Jun 2018 21:31

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-03-5-7

Tgt Ion:128 Resp: 6655
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.2 15.2
 129 14.4 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

