

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058305.D
 Acq On : 22 Jun 2018 19:19
 Operator : VA/AP
 Sample : J3663-08
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-10-12-180618

Quant Time: Jun 22 22:20:26 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	5.64	168	734504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	913908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	731219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	408716	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	390345	52.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.22%	
35) Dibromofluoromethane	5.54	113	392087	52.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.42%	
50) Toluene-d8	8.70	98	840378	46.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.93	95	382551	52.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.08%	

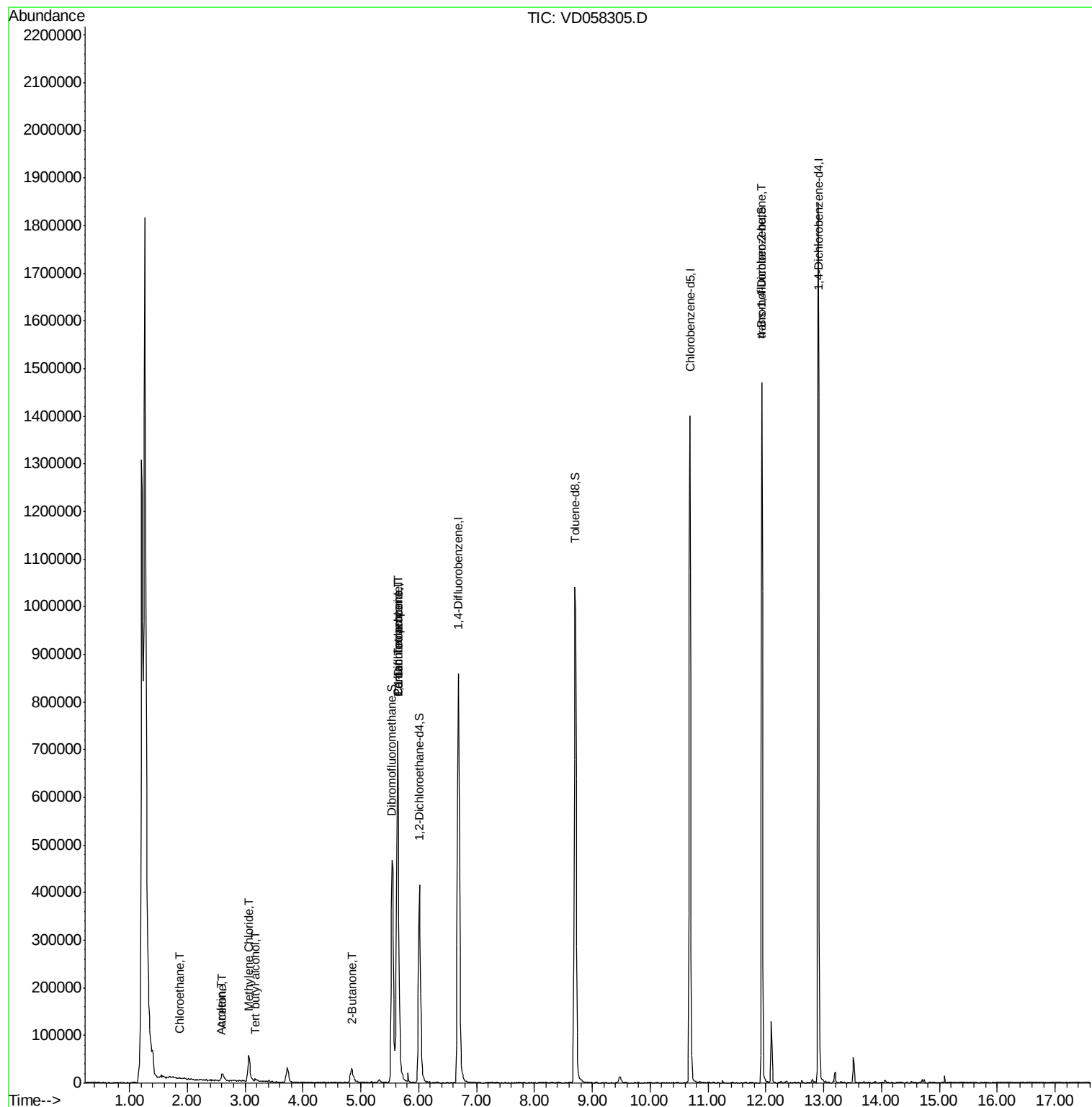
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.55	50	246	Below Cal	#	43
5) Bromomethane	1.80	94	206	Below Cal	#	3
6) Chloroethane	1.88	64	260	1.562	ug/l #	41
11) Tert butyl alcohol	3.18	59	2401	9.812	ug/l #	78
13) Acrolein	2.57	56	183	1.310	ug/l #	11
16) Acetone	2.61	43	30679	30.237	ug/l #	91
20) Methylene Chloride	3.06	84	25790	5.495	ug/l #	90
25) 2-Butanone	4.83	43	6629	2.998	ug/l	98
31) Cyclohexane	5.64	56	18466	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	60843	6.730	ug/l #	49
38) Carbon Tetrachloride	5.64	117	58933	6.560	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	192302	132.130	ug/l #	1
82) 4-Chlorotoluene	12.32	91	829	Below Cal	#	64

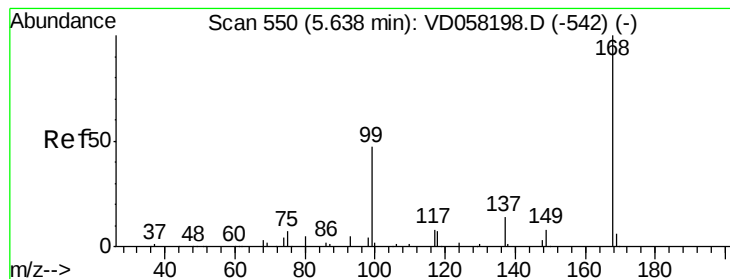
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

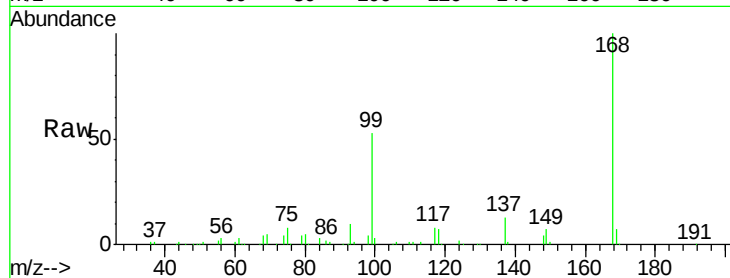
WP021SB470-10-12-180618

Tot Ion:168 Resp: 734504

Ion Ratio Lower Upper

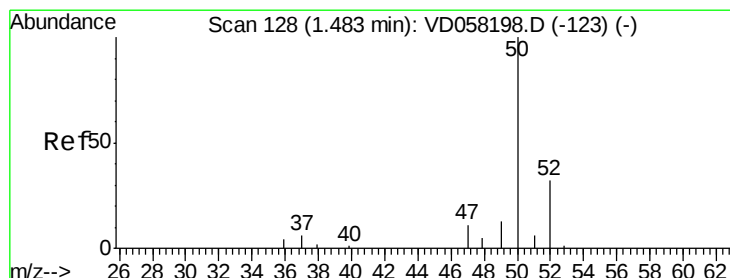
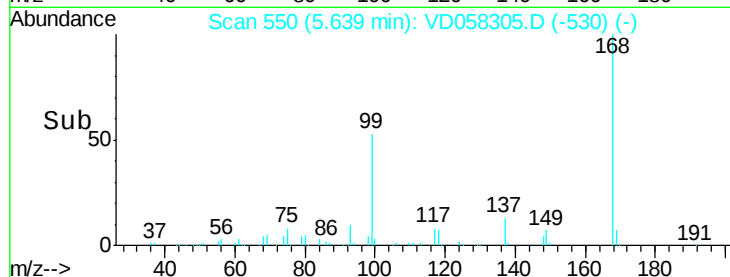
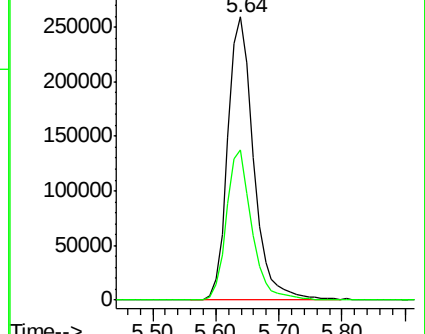
168 100

99 53.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.55 min Scan# 135

Delta R.T. 0.07 min

Lab File: VD058305.D

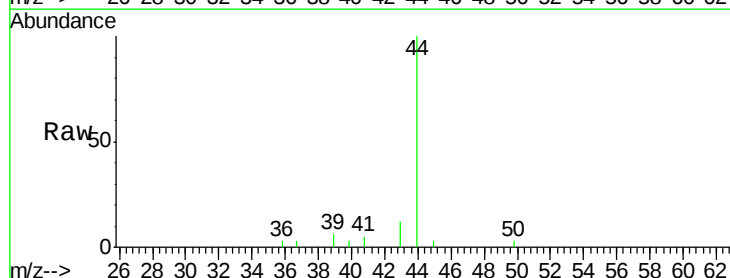
Acq: 22 Jun 2018 19:19

Tgt Ion: 50 Resp: 246

Ion Ratio Lower Upper

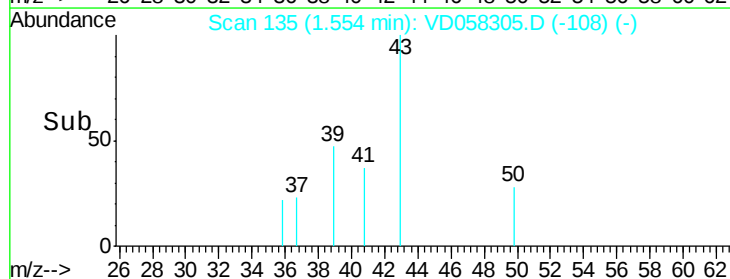
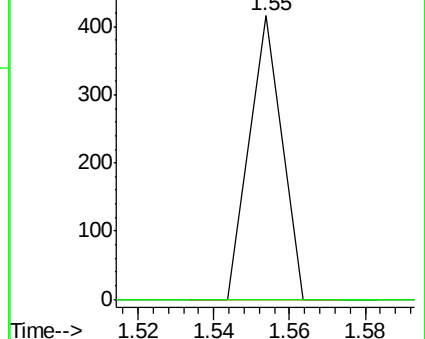
50 100

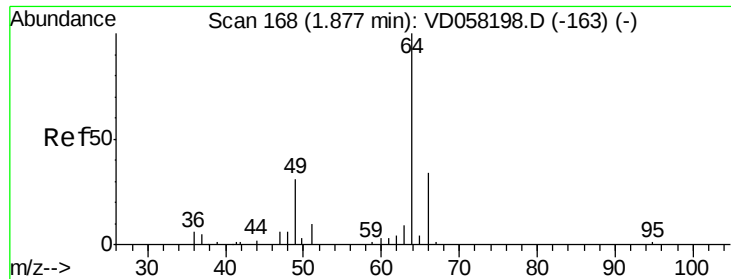
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#6

Chloroethane

Concen: 1.562 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

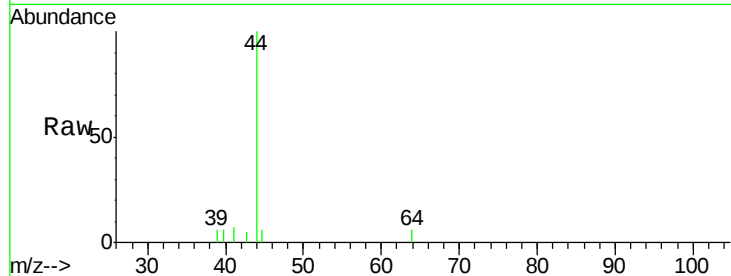
WP021SB470-10-12-180618

Tot Ion: 64 Resp: 260

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.88

400

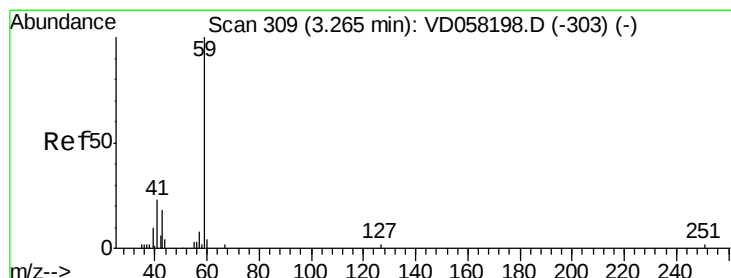
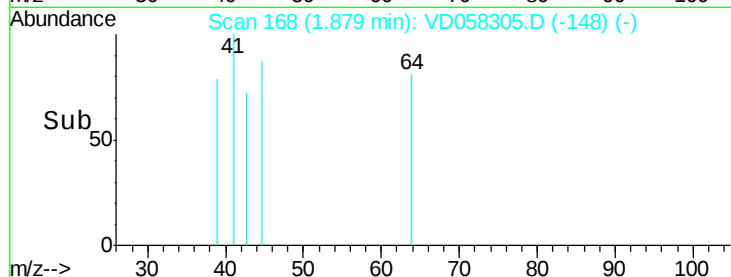
300

200

100

0

Time--> 1.84 1.86 1.88 1.90



#11

Tert butyl alcohol

Concen: 9.812 ug/l

RT: 3.18 min Scan# 300

Delta R.T. -0.09 min

Lab File: VD058305.D

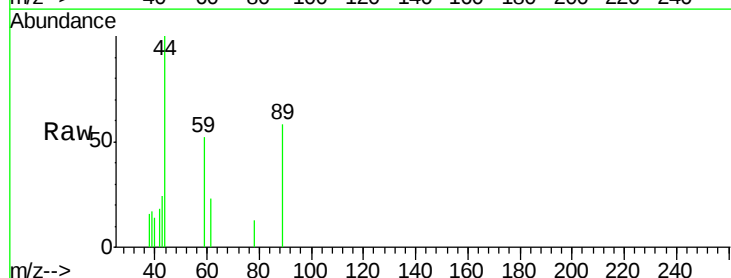
Acq: 22 Jun 2018 19:19

Tgt Ion: 59 Resp: 2401

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

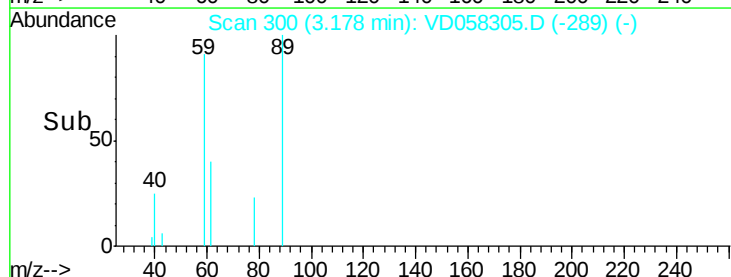
3.18

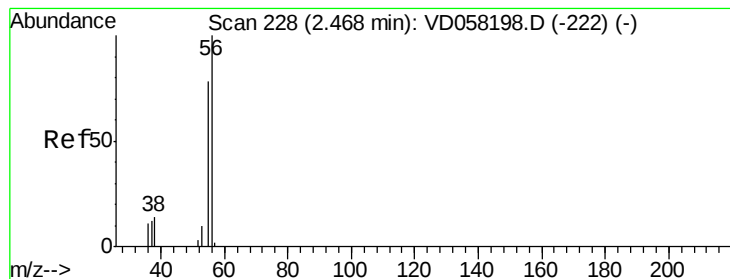
1000

500

0

Time--> 3.10 3.15 3.20





#13

Acrolein

Concen: 1.310 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.10 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

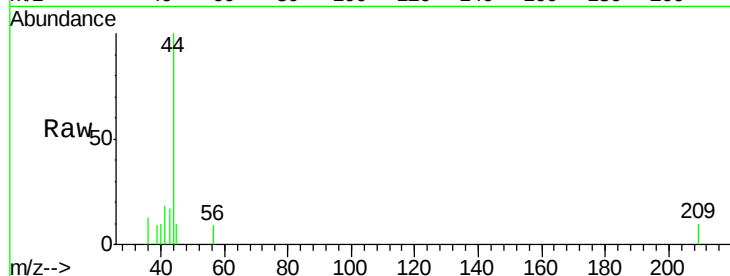
WP021SB470-10-12-180618

Tot Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 0.0 62.1 93.1#

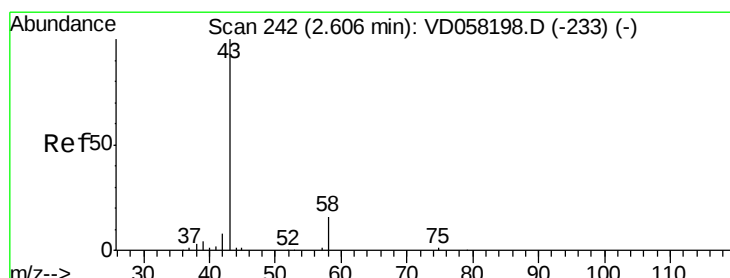
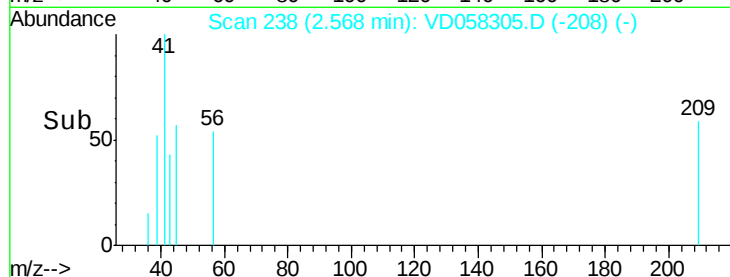


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.57

Time-->



#16

Acetone

Concen: 30.237 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058305.D

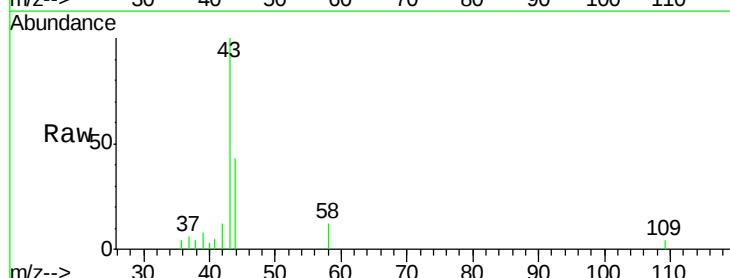
Acq: 22 Jun 2018 19:19

Tgt Ion: 43 Resp: 30679

Ion Ratio Lower Upper

43 100

58 11.9 12.7 19.1#

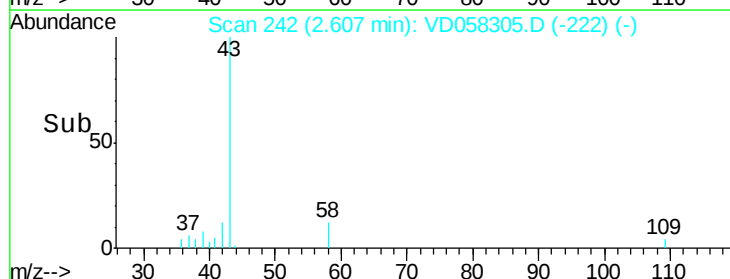


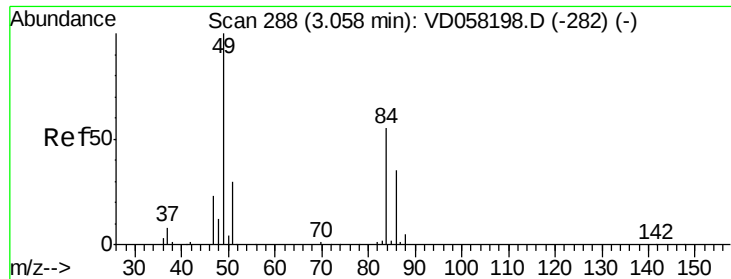
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

Time-->

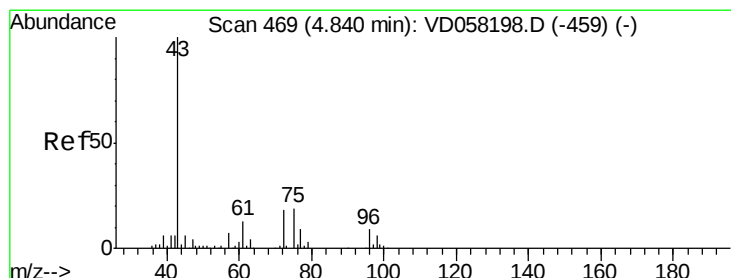
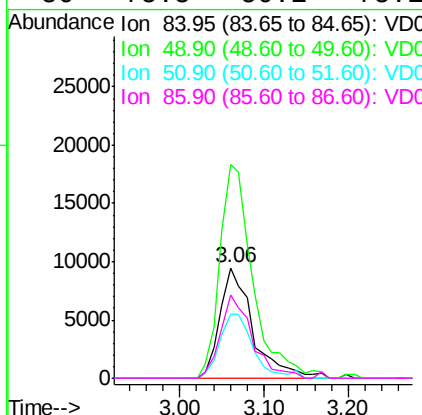
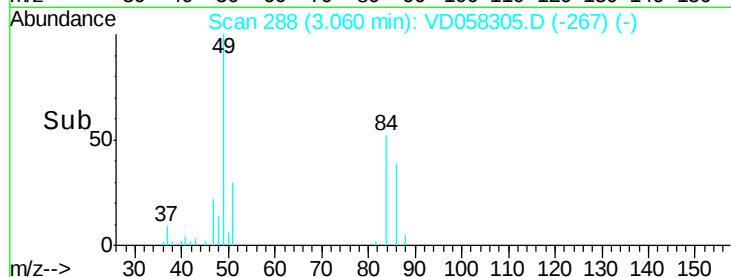
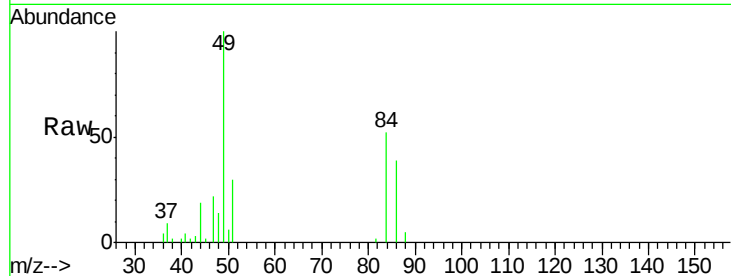




#20
Methvlene Chloride
Concen: 5.495 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

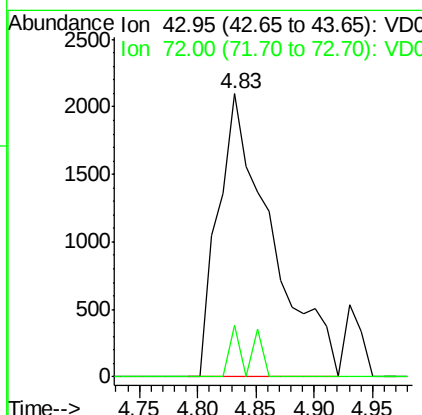
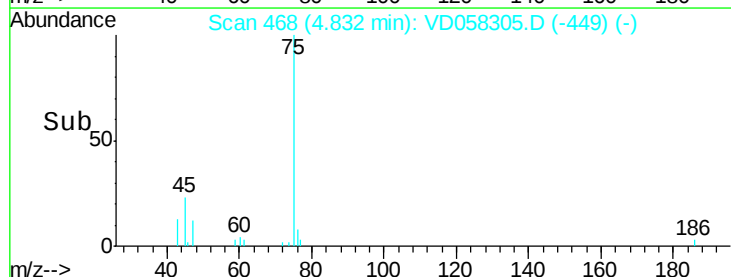
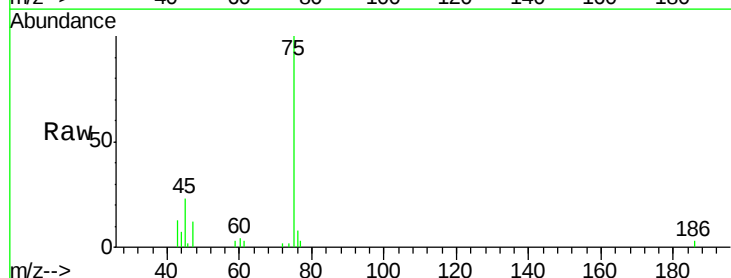
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-10-12-180618

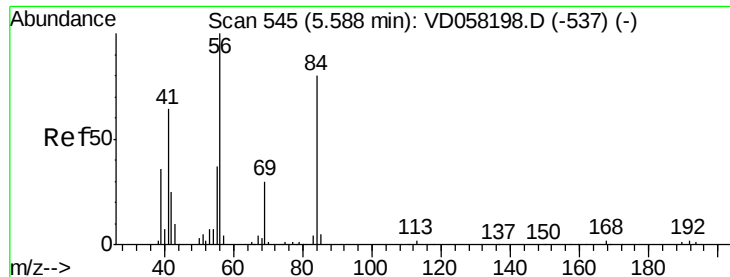
Tot Ion: 84 Resp: 25790
Ion Ratio Lower Upper
84 100
49 193.3 145.0 217.6
51 57.4 42.9 64.3
86 75.5 50.1 75.1#



#25
2-Butanone
Concen: 2.998 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Tgt Ion: 43 Resp: 6629
Ion Ratio Lower Upper
43 100
72 18.4 14.1 21.1

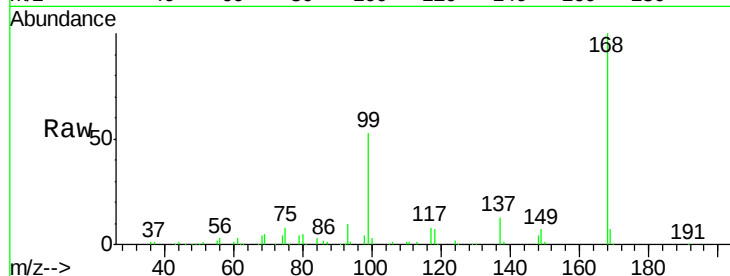




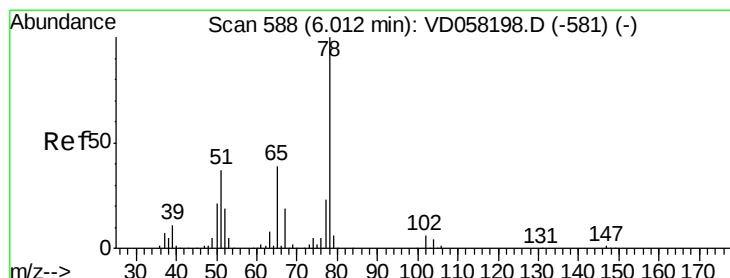
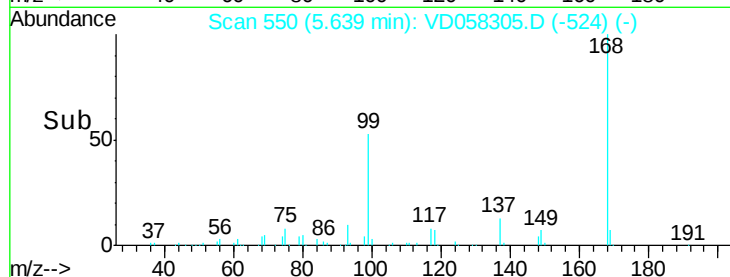
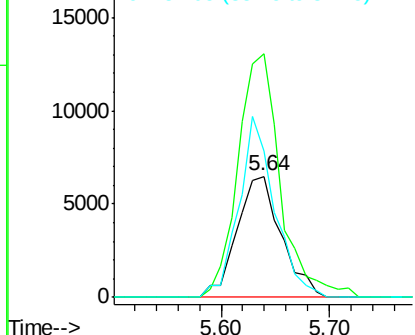
#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-10-12-180618

Tot Ion: 56 Resp: 18466
Ion Ratio Lower Upper
56 100
69 201.0 23.6 35.4#
84 121.3 65.2 97.8#

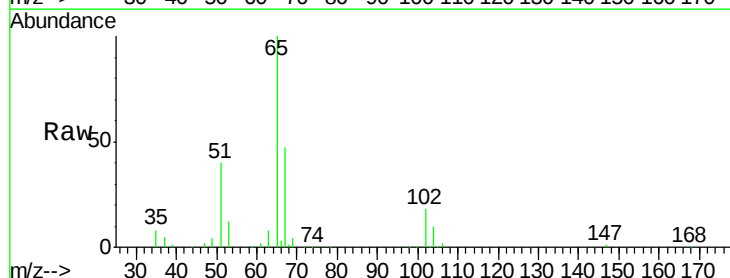


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

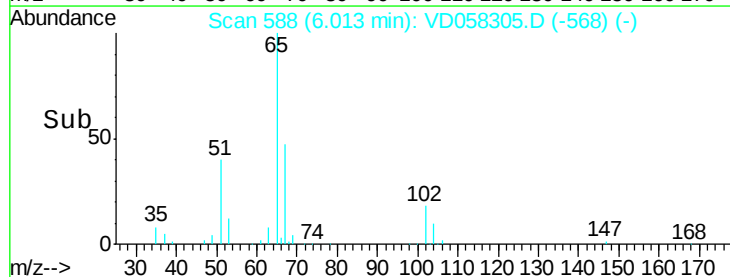
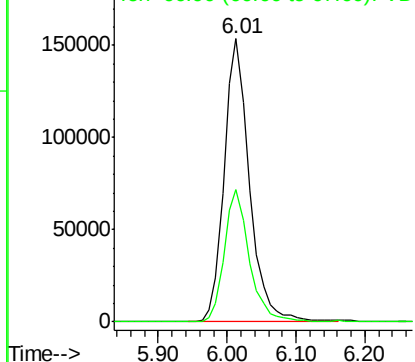


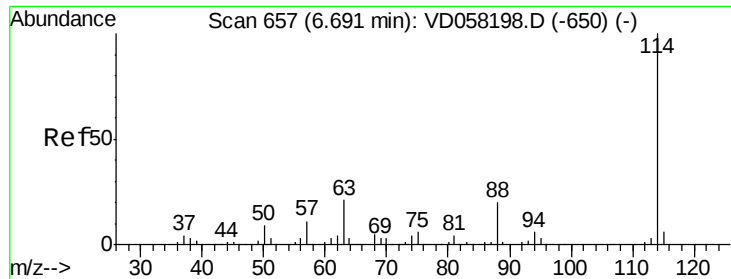
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Tgt Ion: 65 Resp: 390345
Ion Ratio Lower Upper
65 100
67 46.6 0.0 97.8



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

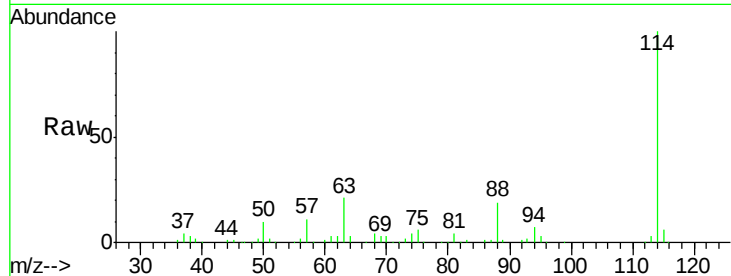




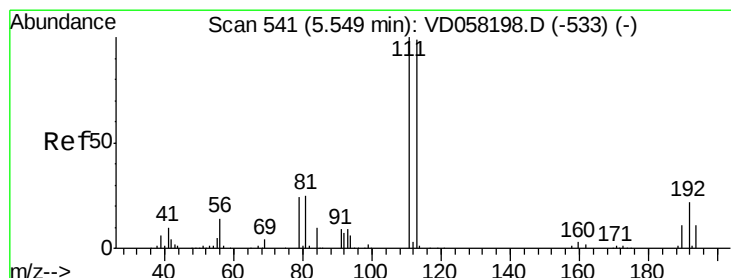
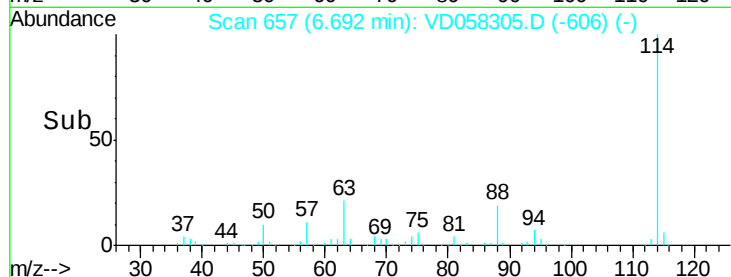
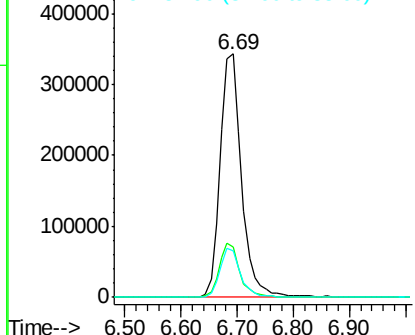
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058305.D
 Acq: 22 Jun 2018 19:19

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-10-12-180618

Tot Ion:114 Resp: 913908
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 19.3 0.0 40.6

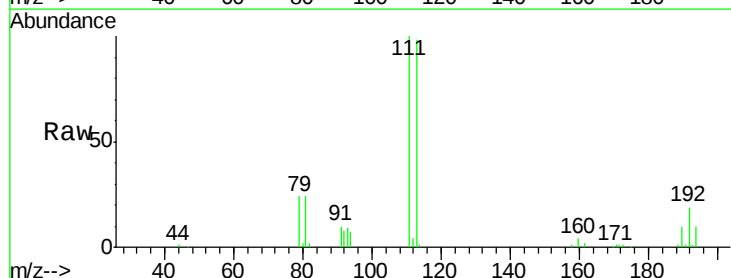


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

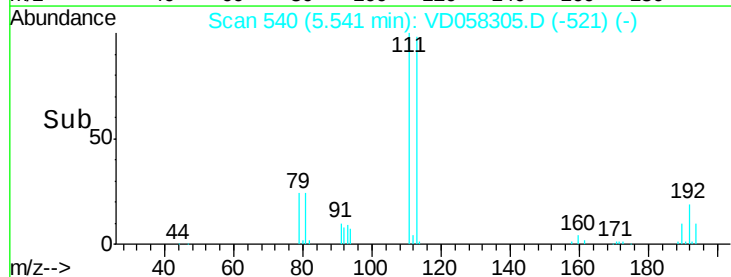
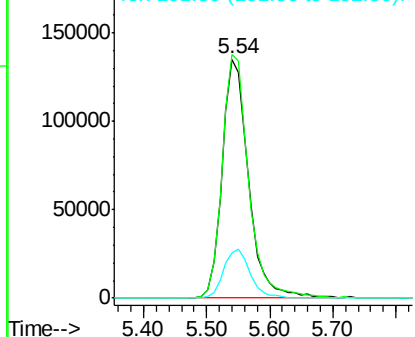


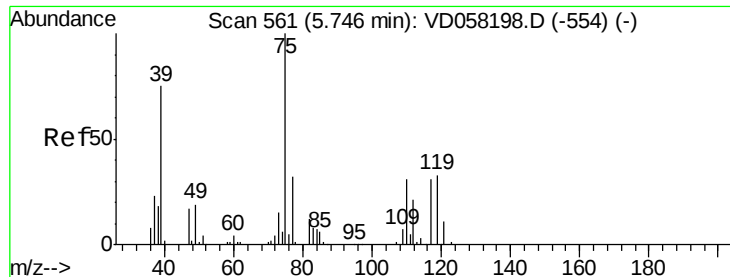
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VD058305.D
 Acq: 22 Jun 2018 19:19

Tgt Ion:113 Resp: 392087
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.6 121.0
 192 19.2 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: 6.730 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-10-12-180618

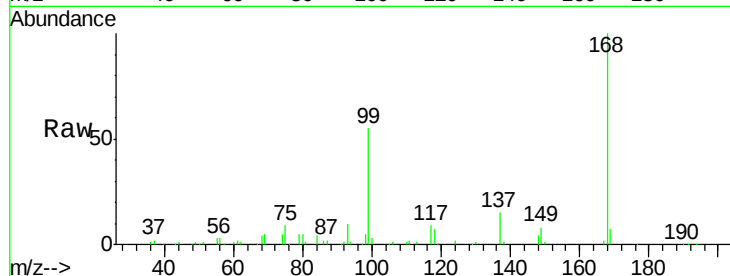
Tot Ion: 75 Resp: 60843

Ion Ratio Lower Upper

75 100

110 6.3 15.4 46.4#

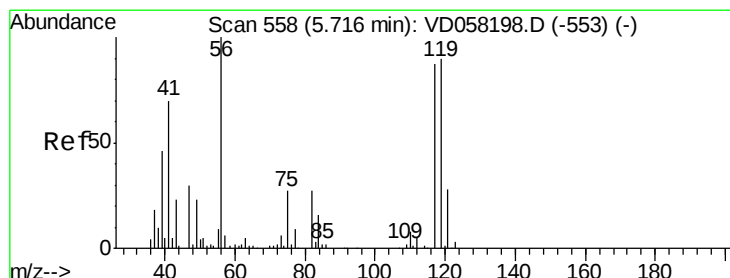
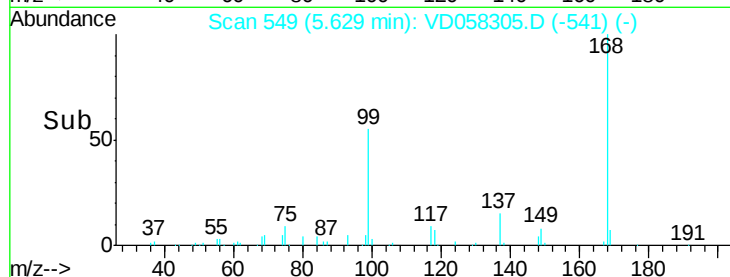
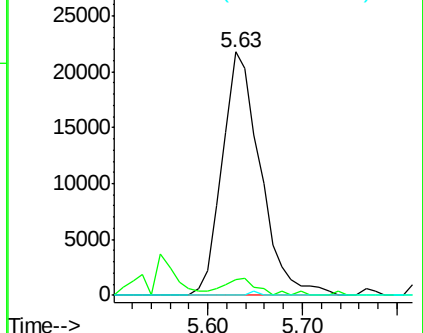
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.560 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

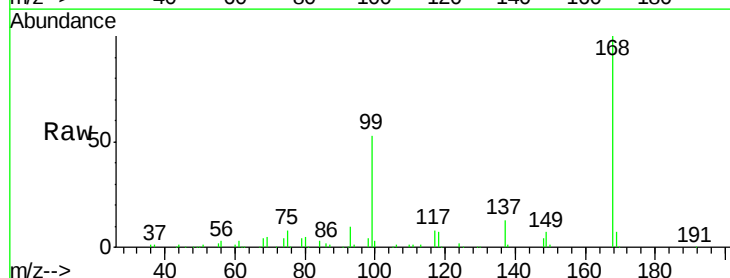
Tgt Ion: 117 Resp: 58933

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

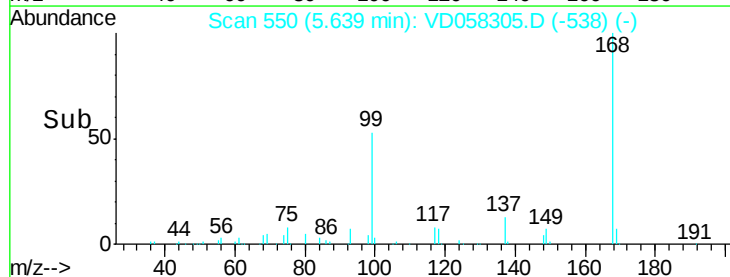
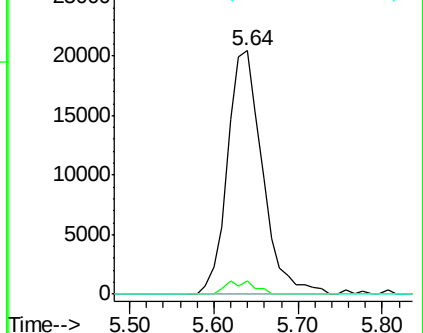
121 0.0 25.0 37.6#

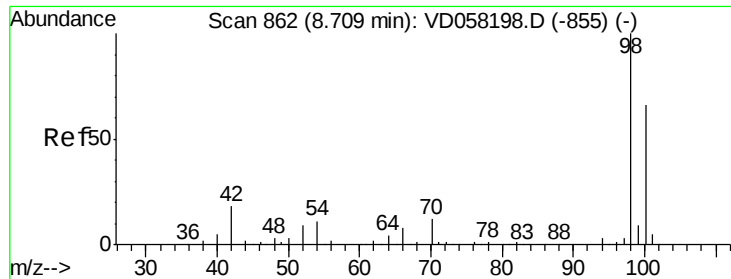


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

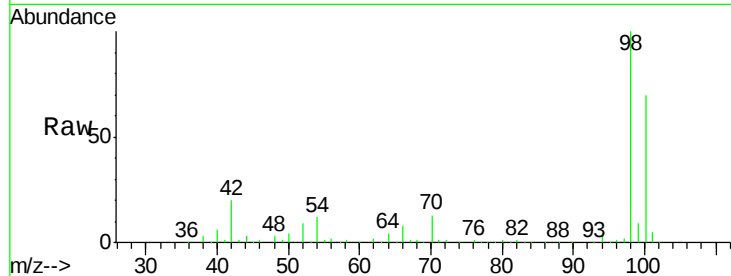




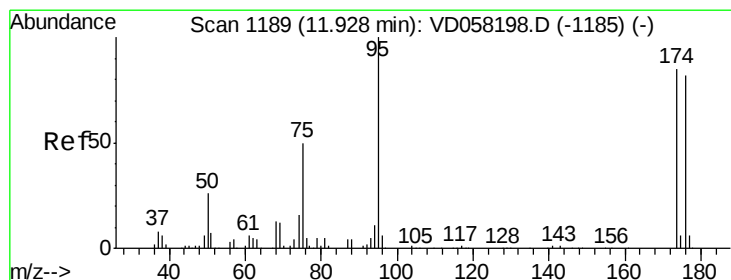
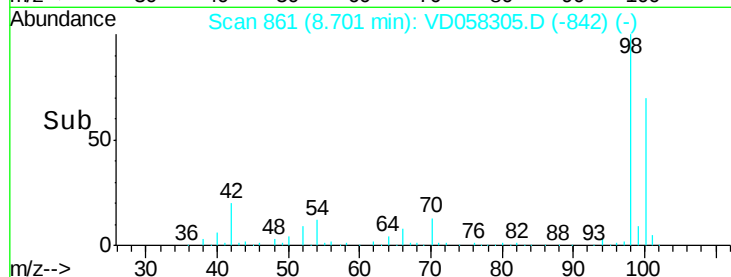
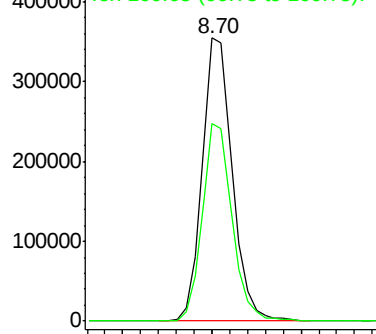
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-10-12-180618

Tot Ion: 98 Resp: 840378
Ion Ratio Lower Upper
98 100
100 69.7 53.6 80.4

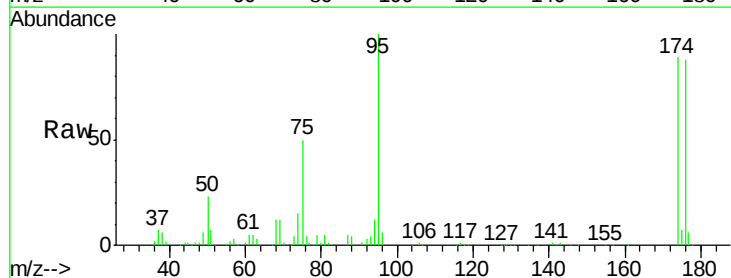


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

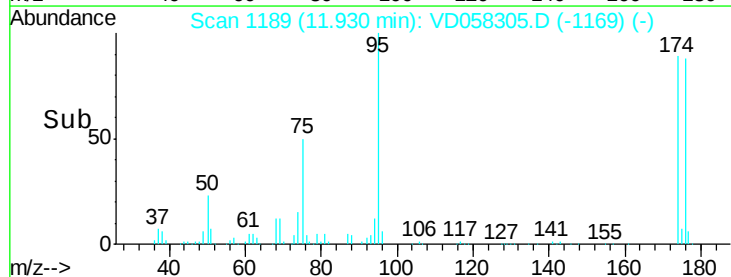
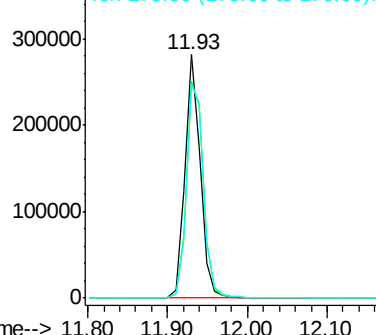


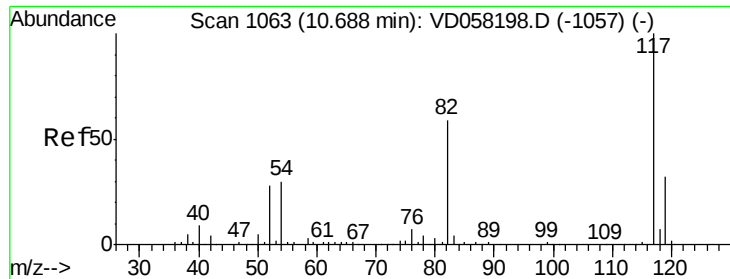
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Tgt Ion: 95 Resp: 382551
Ion Ratio Lower Upper
95 100
174 89.0 0.0 170.2
176 88.2 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)
Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)
Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

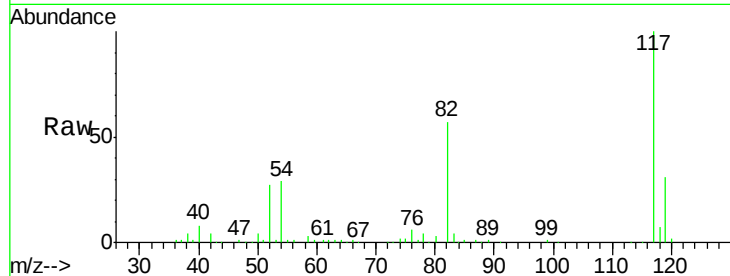




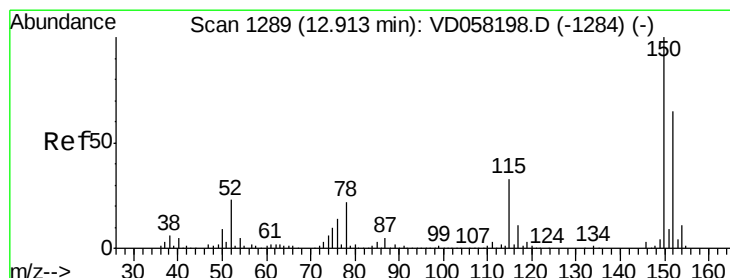
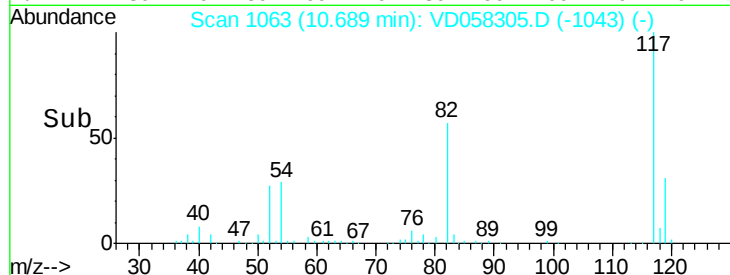
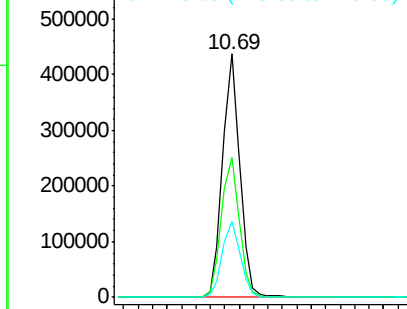
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-10-12-180618

Tot Ion:117 Resp: 731219
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.6
119 31.1 25.3 37.9

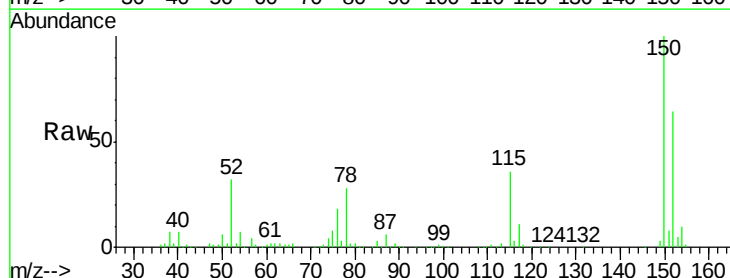


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

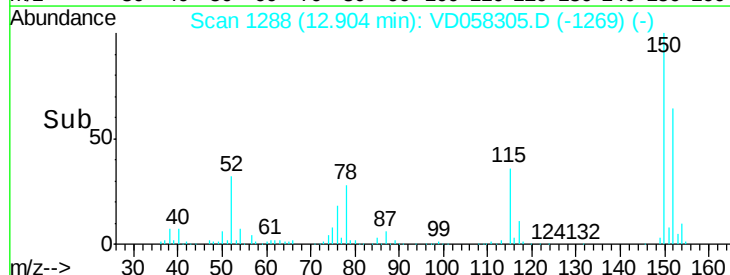
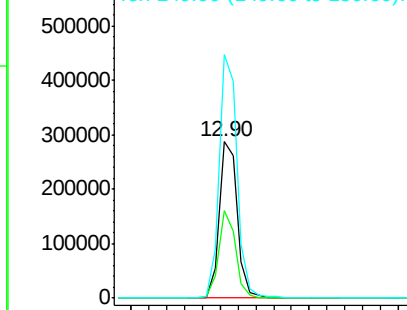


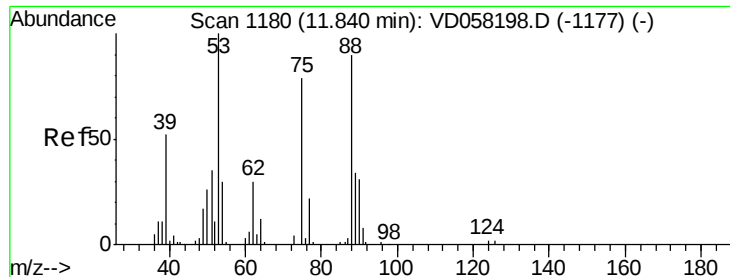
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058305.D
Acq: 22 Jun 2018 19:19

Tgt Ion:152 Resp: 408716
Ion Ratio Lower Upper
152 100
115 56.0 25.1 75.3
150 156.0 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: 132.130 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058305.D

Acq: 22 Jun 2018 19:19

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-10-12-180618

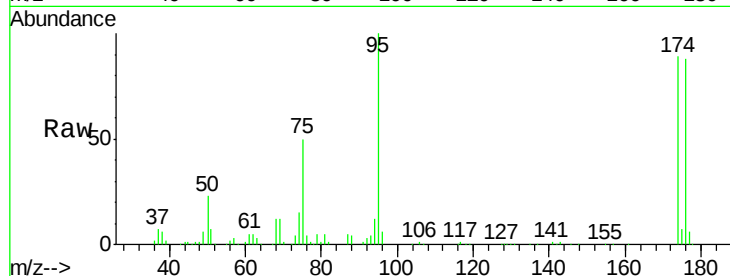
Tot Ion: 75 Resp: 192302

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

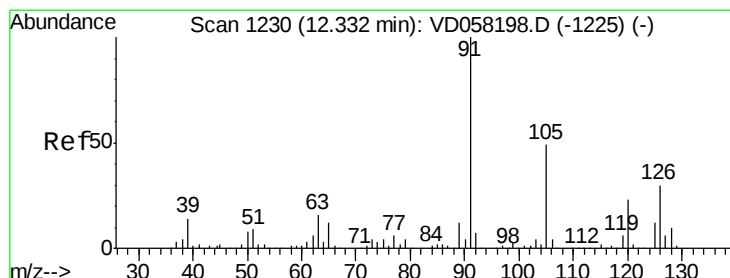
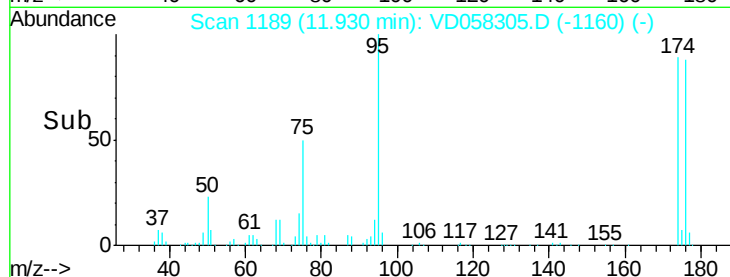
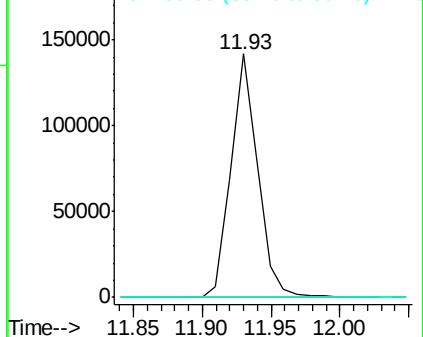
89 0.0 34.6 52.0#



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: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058305.D

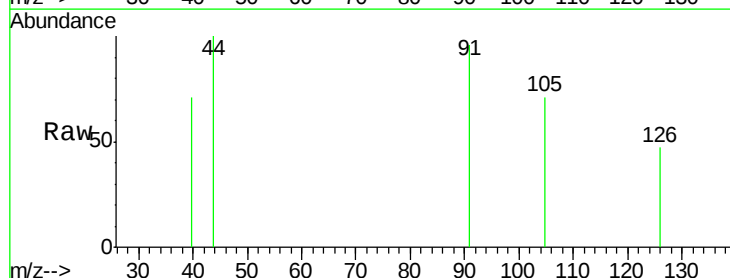
Acq: 22 Jun 2018 19:19

Tgt Ion: 91 Resp: 829

Ion Ratio Lower Upper

91 100

126 49.3 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

