

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058205.D
 Acq On : 20 Jun 2018 12:40
 Operator : VA/AP
 Sample : VD0620SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL01

Quant Time: Jun 21 01:43:52 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	1111426	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1433912	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	1146824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	598089	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	594566	52.96	ug/l	0.01
Spiked Amount 50.000			Recovery =	105.92%		
35) Dibromofluoromethane	5.56	113	603082	51.68	ug/l	0.01
Spiked Amount 50.000			Recovery =	103.36%		
50) Toluene-d8	8.71	98	1474050	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.42%		
62) 4-Bromofluorobenzene	11.93	95	608095	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.44%		

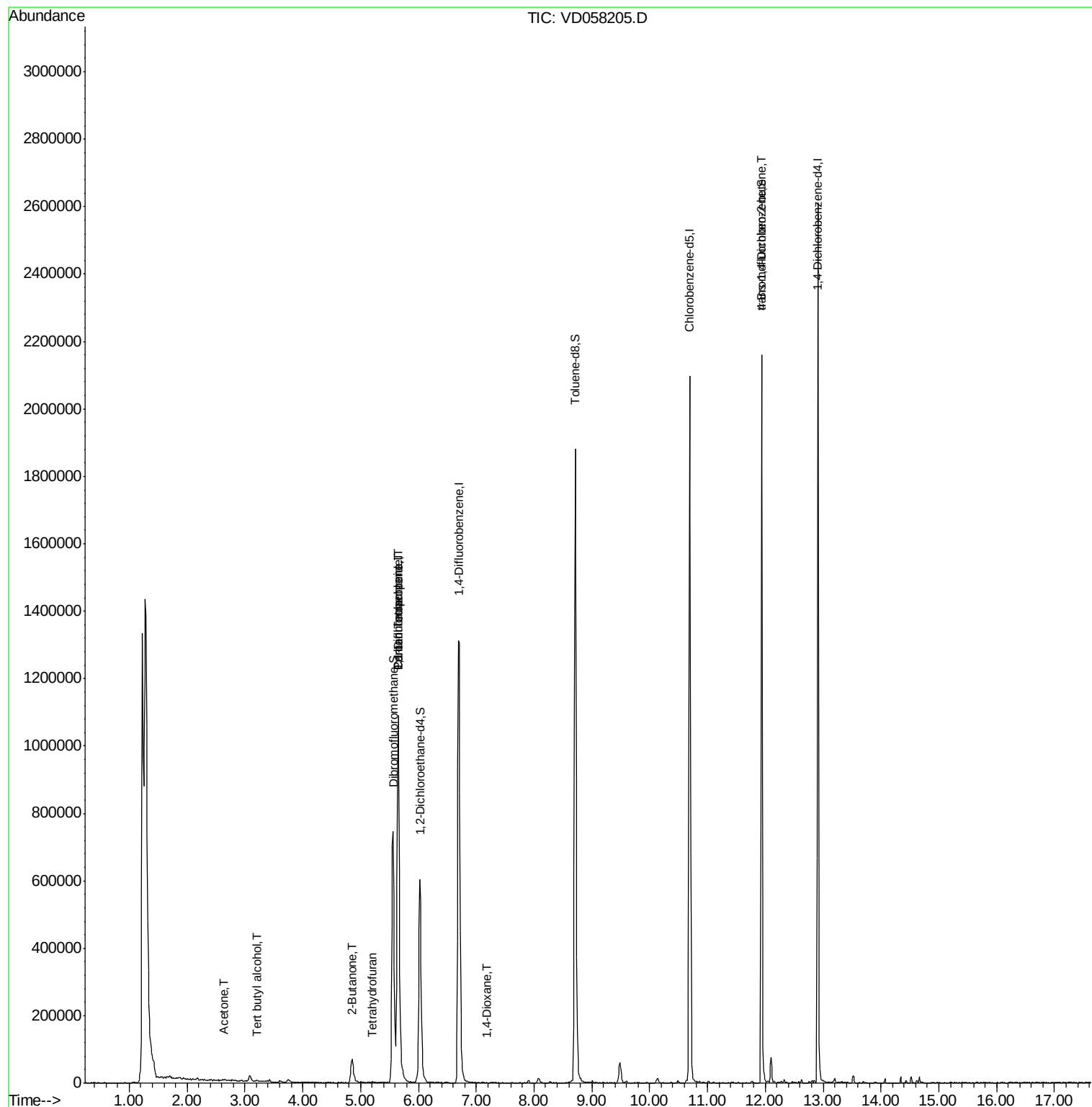
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	1474	Below Cal	#	43
3) Chloromethane	1.48	50	438	Below Cal	#	43
11) Tert butyl alcohol	3.20	59	3386	9.145	ug/l #	78
16) Acetone	2.63	43	6359	4.142	ug/l #	90
20) Methylene Chloride	3.08	84	7378	Below Cal		94
25) 2-Butanone	4.86	43	7589	2.268	ug/l #	60
29) Tetrahydrofuran	5.19	42	2255	1.266	ug/l #	81
31) Cyclohexane	5.65	56	28342	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	89624	6.318	ug/l #	49
38) Carbon Tetrachloride	5.65	117	94722	6.720	ug/l #	15
49) 1,4-Dioxane	7.17	88	187	3.163	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.93	75	294544	138.300	ug/l #	1
82) 4-Chlorotoluene	12.33	91	4218	Below Cal		81

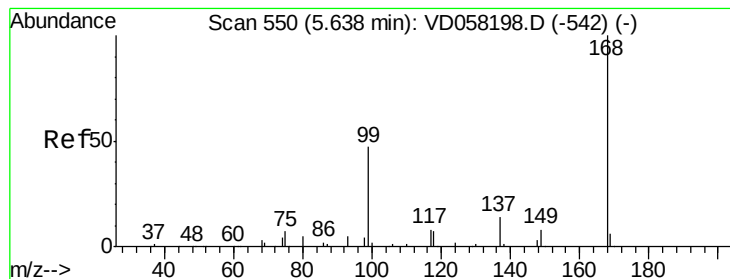
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058205.D

Acq: 20 Jun 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

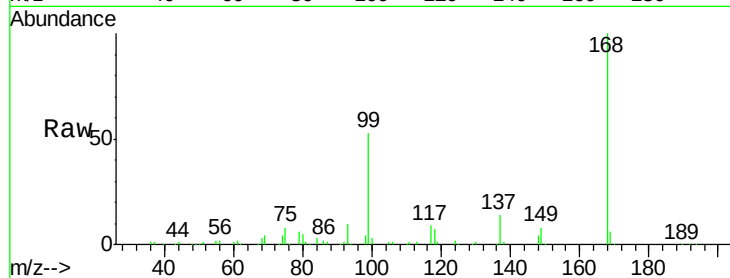
VD0620SBL01

Tot Ion:168 Resp: 1111426

Ion Ratio Lower Upper

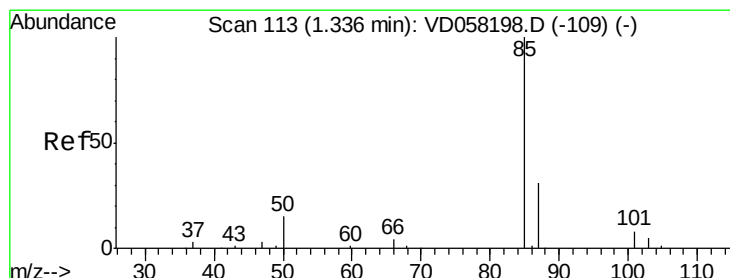
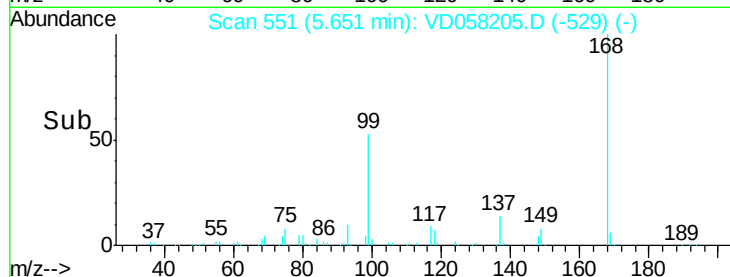
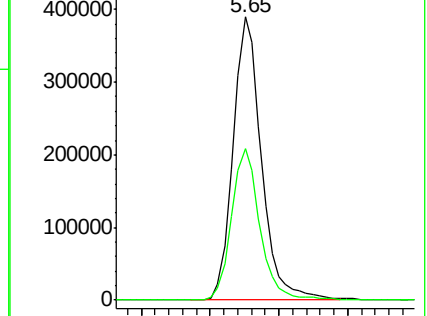
168 100

99 53.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058205.D

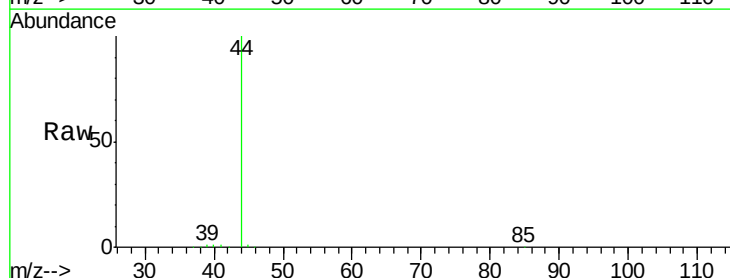
Acq: 20 Jun 2018 12:40

Tgt Ion: 85 Resp: 1474

Ion Ratio Lower Upper

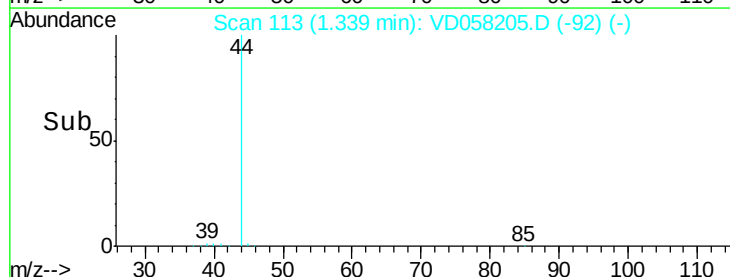
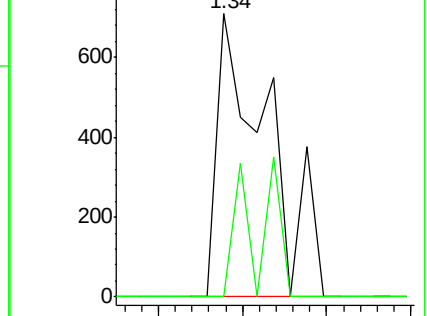
85 100

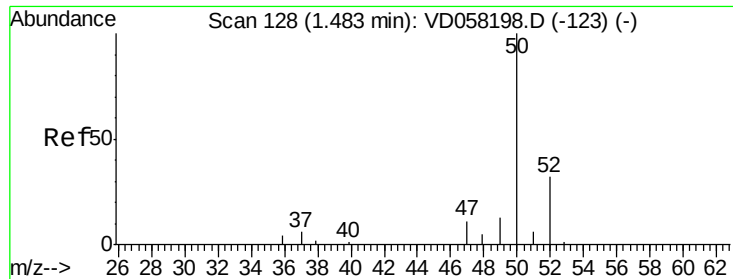
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058205.D

Acq: 20 Jun 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

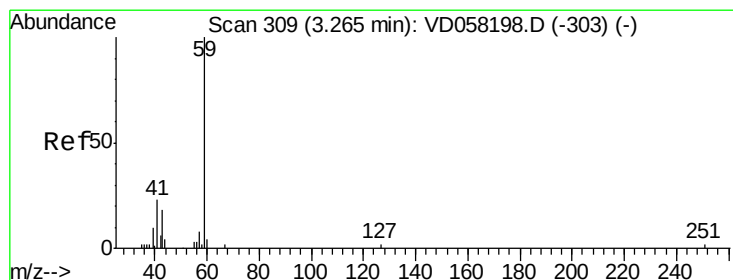
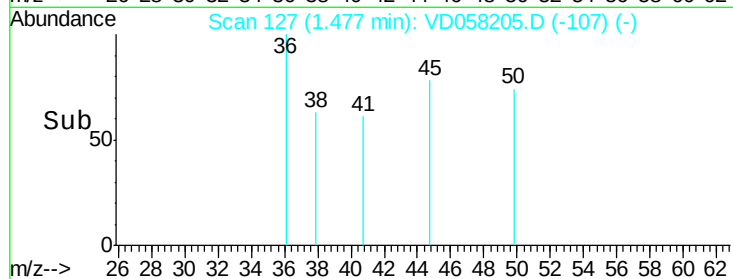
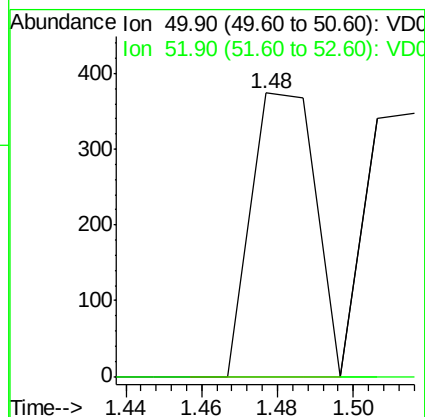
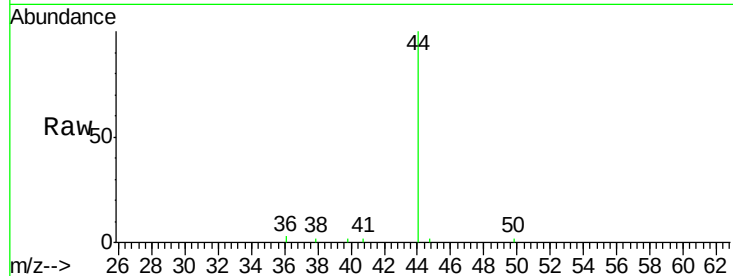
VD0620SBL01

Tot Ion: 50 Resp: 438

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#11

Tert butyl alcohol

Concen: 9.145 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.07 min

Lab File: VD058205.D

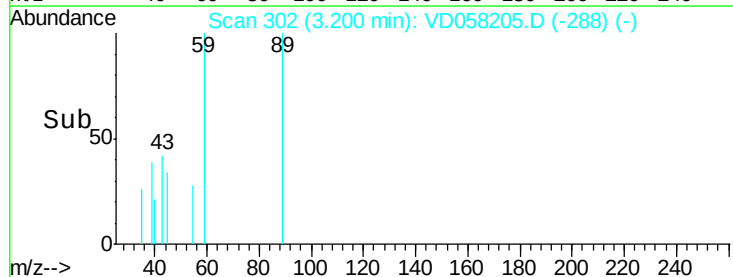
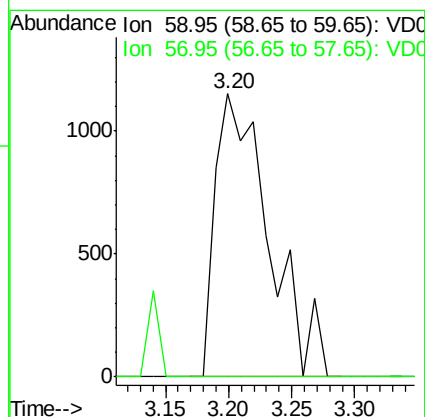
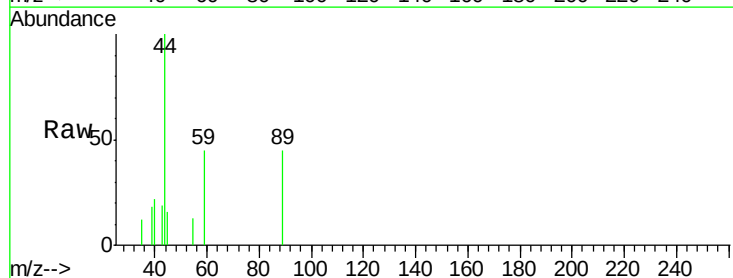
Acq: 20 Jun 2018 12:40

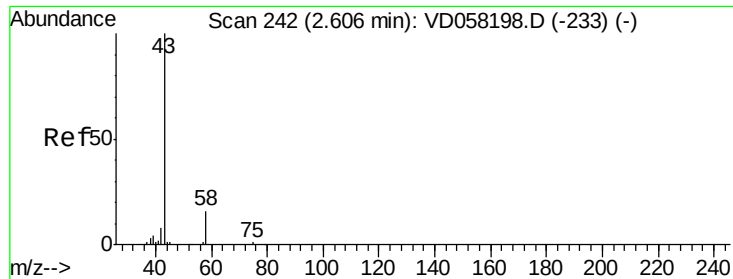
Tgt Ion: 59 Resp: 3386

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#





#16

Acetone

Concen: 4.142 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058205.D

Acq: 20 Jun 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

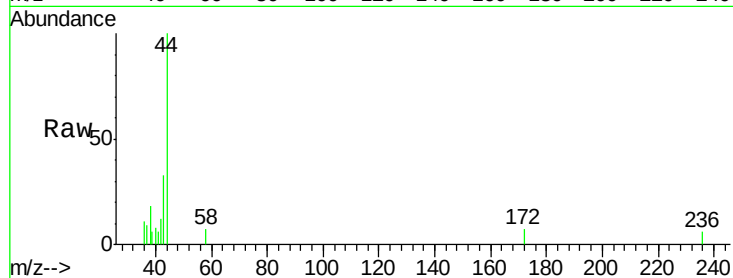
VD0620SBL01

Tot Ion: 43 Resp: 6359

Ion Ratio Lower Upper

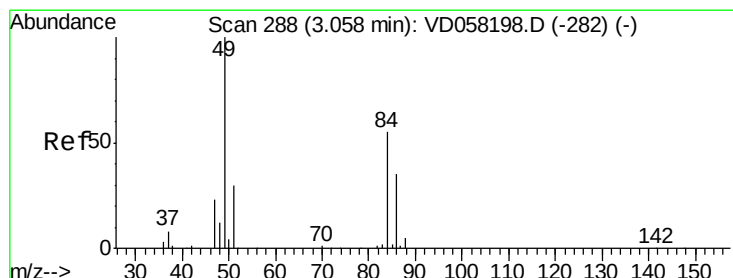
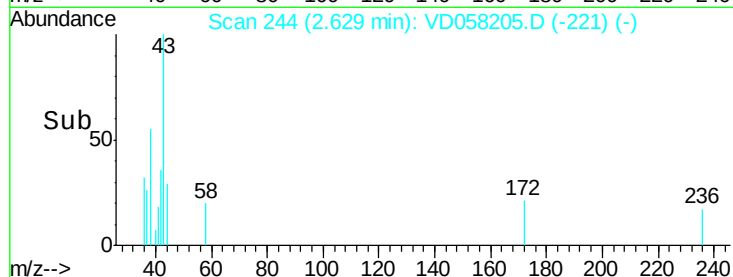
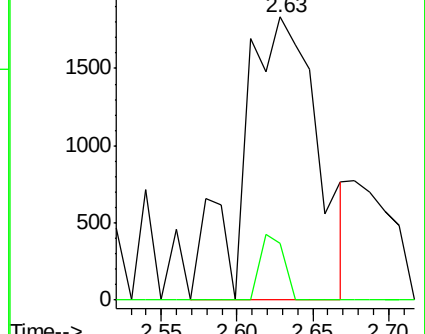
43 100

58 20.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058205.D

Acq: 20 Jun 2018 12:40

Tgt Ion: 84 Resp: 7378

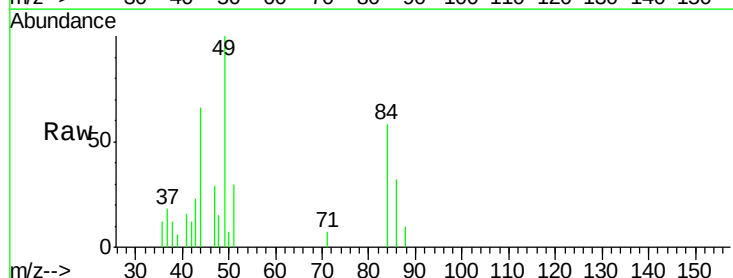
Ion Ratio Lower Upper

84 100

49 173.2 145.0 217.6

51 52.5 42.9 64.3

86 55.9 50.1 75.1

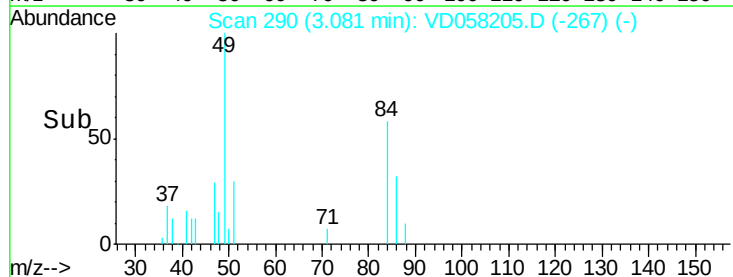
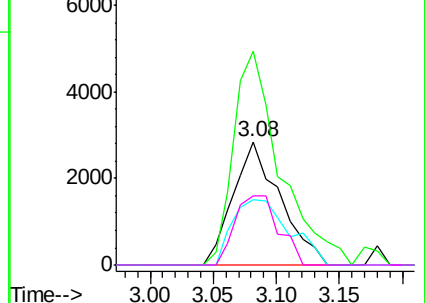


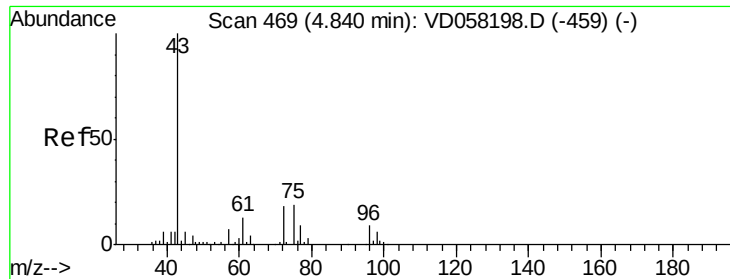
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

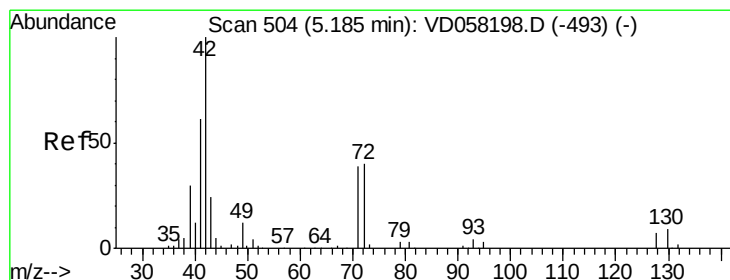
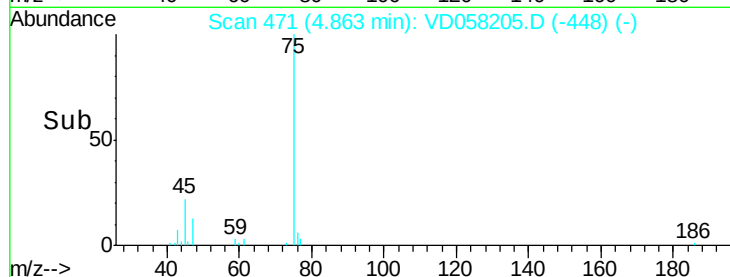
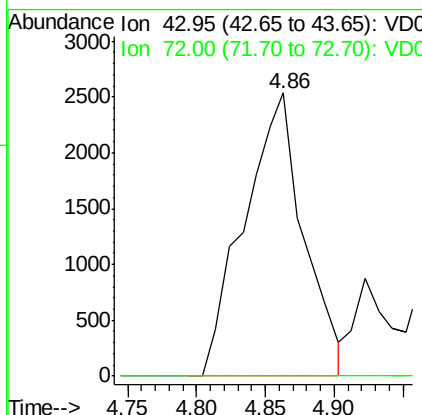
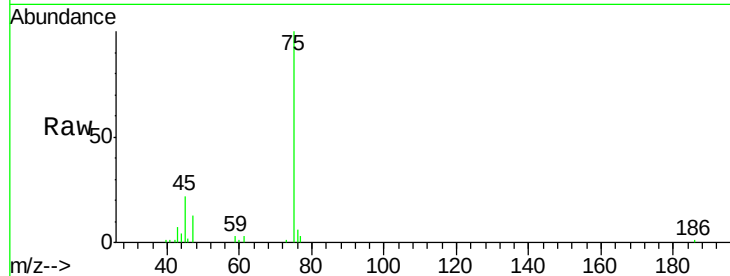




#25
2-Butanone
Concen: 2.268 ug/l
RT: 4.86 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

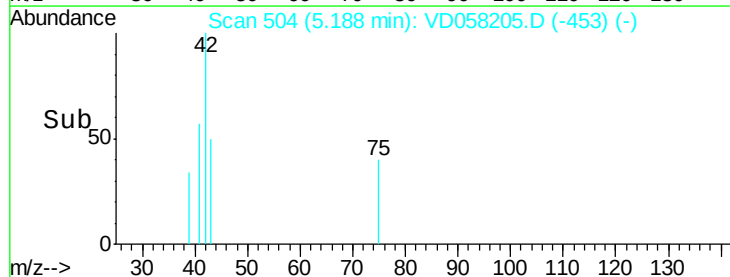
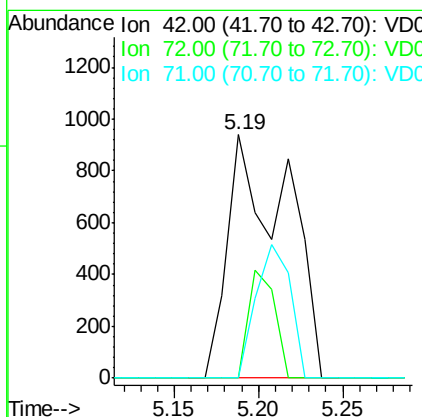
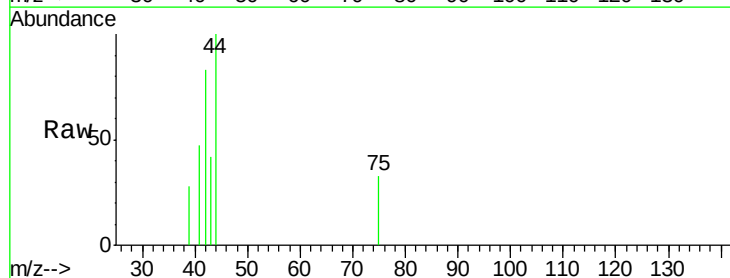
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL01

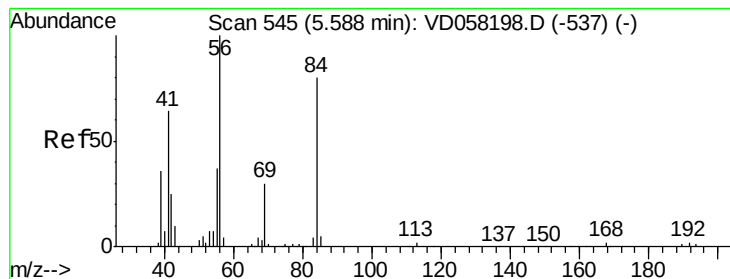
Tot Ion: 43 Resp: 7589
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#



#29
Tetrahydrofuran
Concen: 1.266 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

Tgt Ion: 42 Resp: 2255
Ion Ratio Lower Upper
42 100
72 19.9 30.2 45.2#
71 32.2 30.1 45.1





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058205.D

Acq: 20 Jun 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBL01

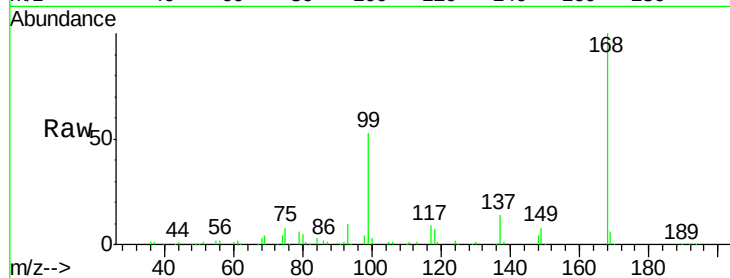
Tot Ion: 56 Resp: 28342

Ion Ratio Lower Upper

56 100

69 185.8 23.6 35.4#

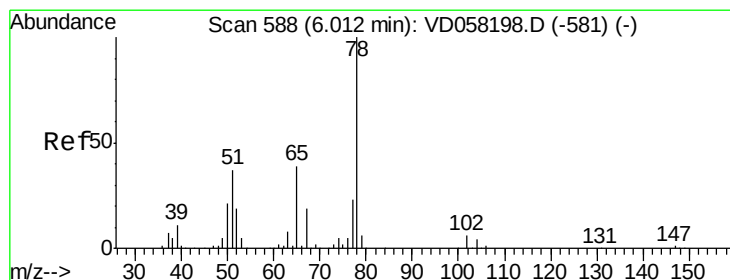
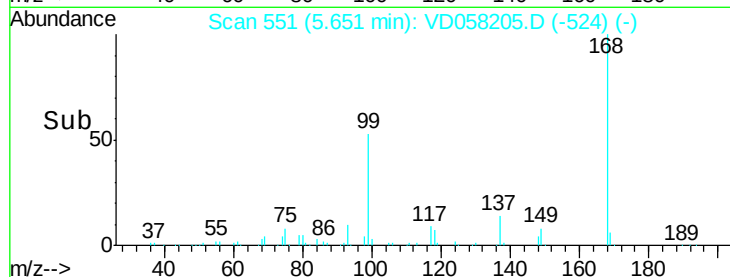
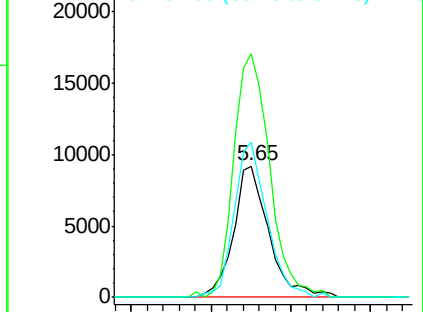
84 118.8 65.2 97.8#



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: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058205.D

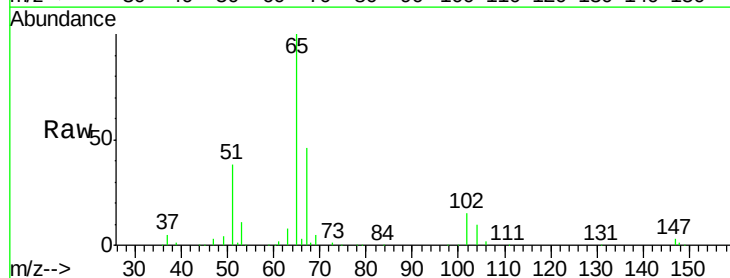
Acq: 20 Jun 2018 12:40

Tgt Ion: 65 Resp: 594566

Ion Ratio Lower Upper

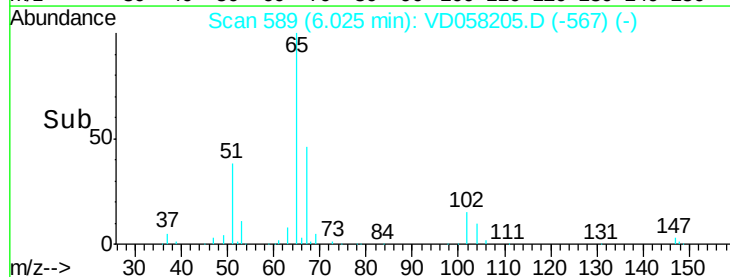
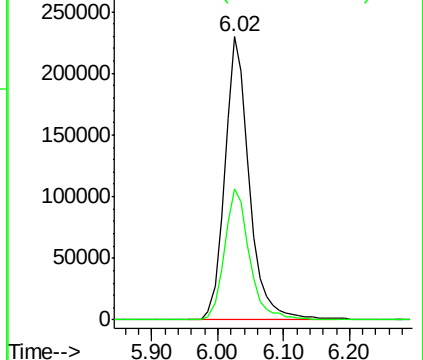
65 100

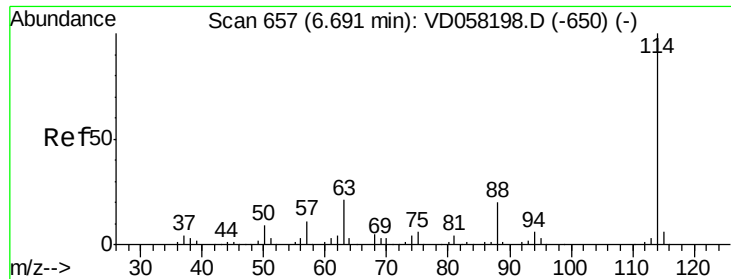
67 46.2 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

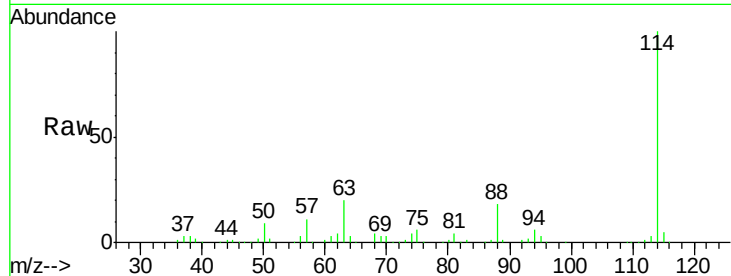




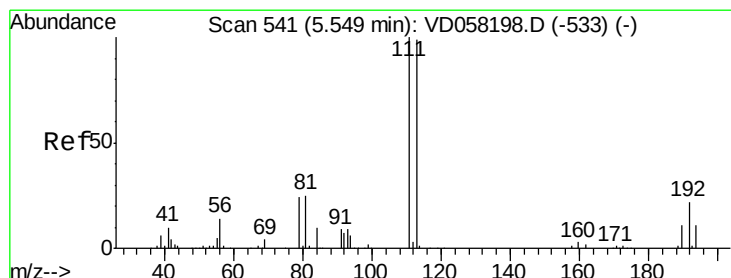
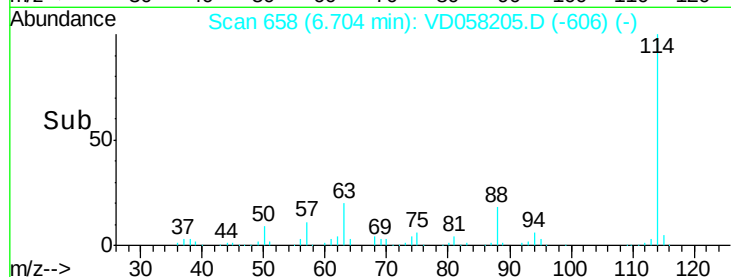
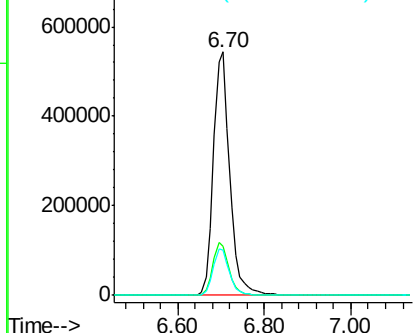
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL01

Tot Ion:114 Resp: 1433912
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.6
 88 18.3 0.0 40.6

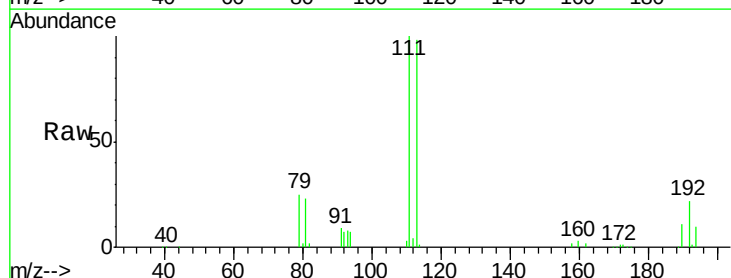


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

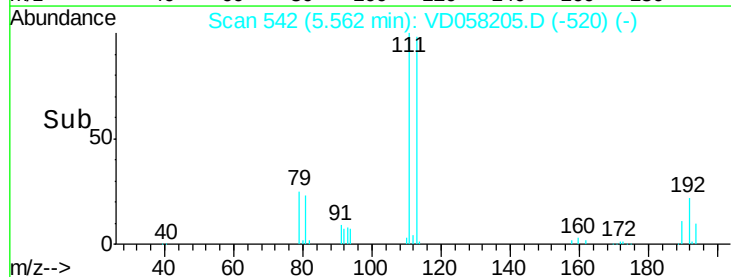
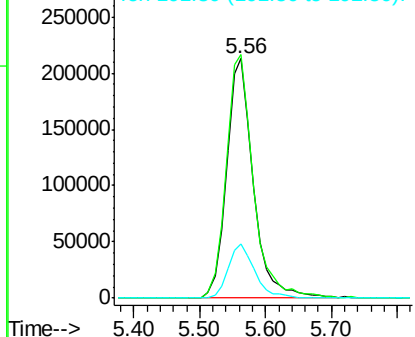


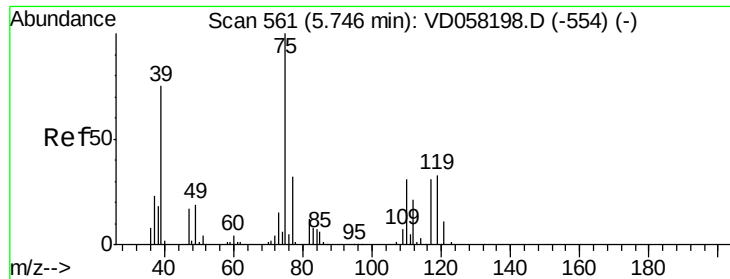
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

Tgt Ion:113 Resp: 603082
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.6 121.0
 192 22.8 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

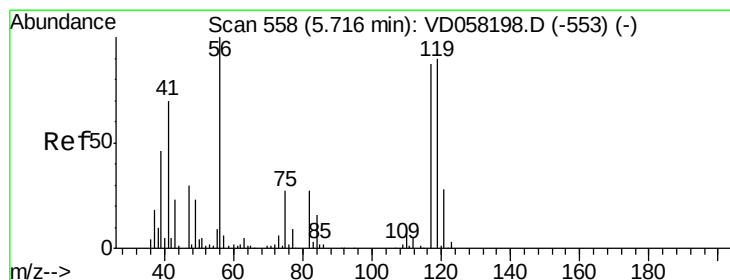
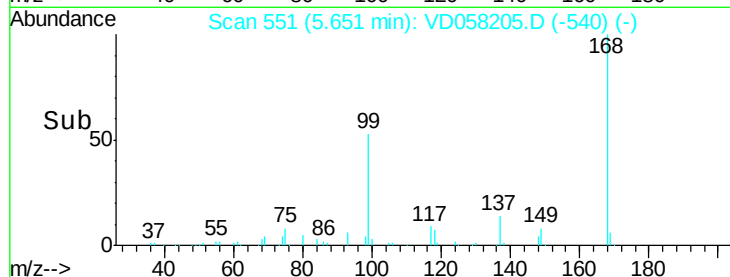
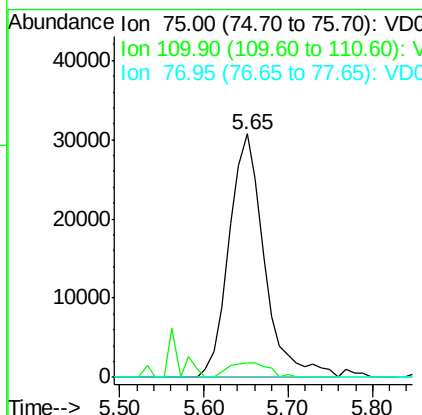
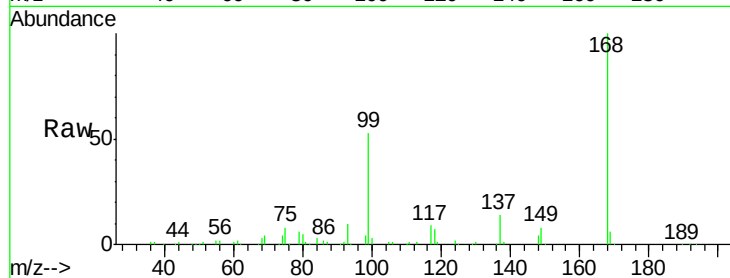




#36
 1,1-Dichloropropene
 Concen: 6.318 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

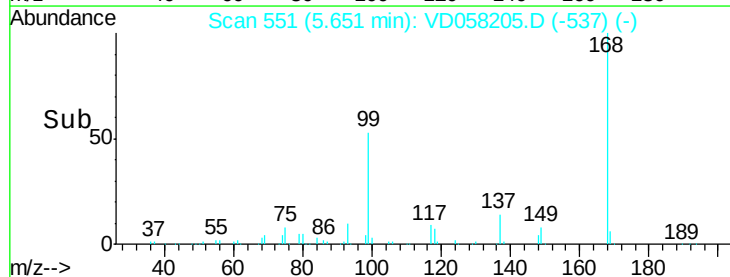
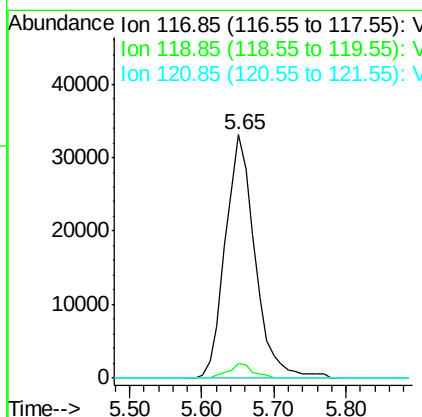
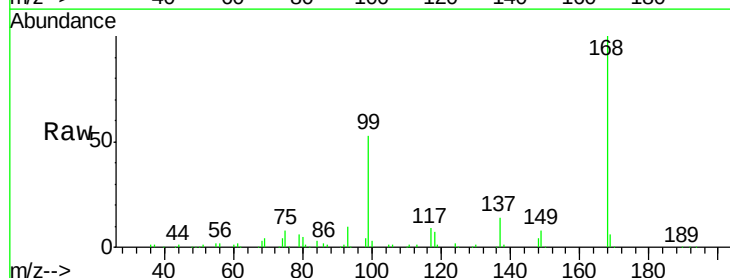
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL01

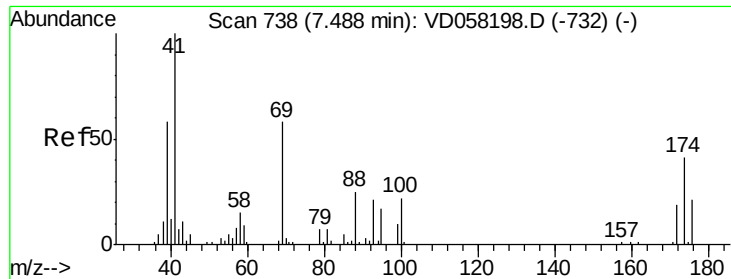
Tot Ion: 75 Resp: 89624
 Ion Ratio Lower Upper
 75 100
 110 6.2 15.4 46.4#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.720 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.07 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

Tgt Ion: 117 Resp: 94722
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.8 118.2#
 121 0.0 25.0 37.6#

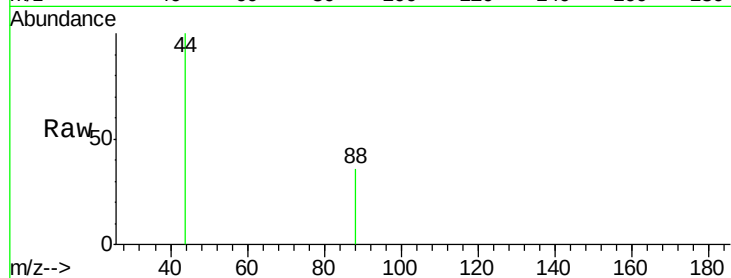




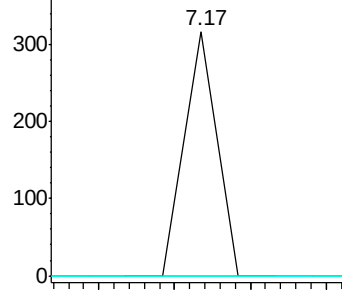
#49
1,4-Dioxane
Concen: 3.163 ug/l
RT: 7.17 min Scan# 705
Delta R.T. -0.32 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL01

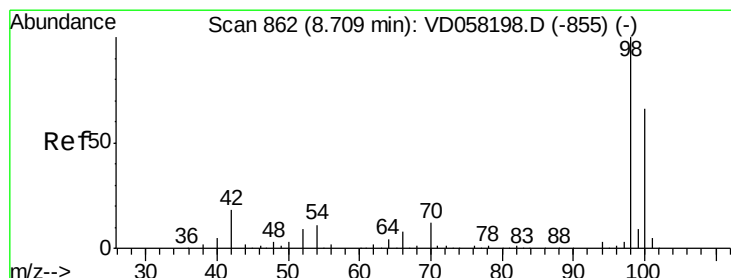
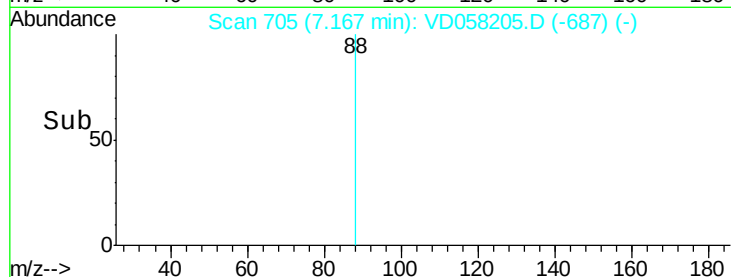
Tot Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.2#
58 0.0 47.9 71.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

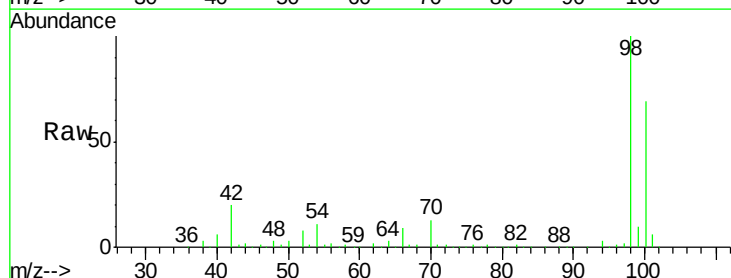


Time-->

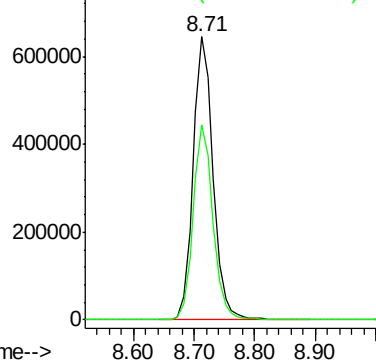


#50
Toluene-d8
Concen: 3.163 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

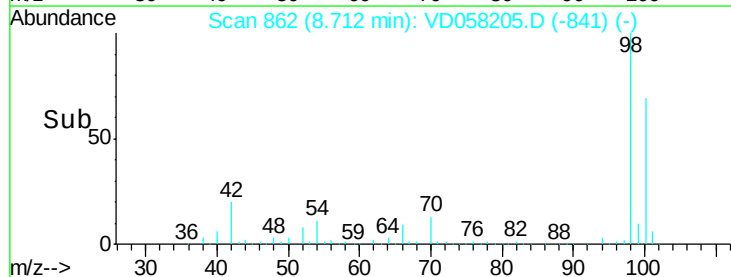
Tgt Ion: 98 Resp: 1474050
Ion Ratio Lower Upper
98 100
100 69.0 53.6 80.4

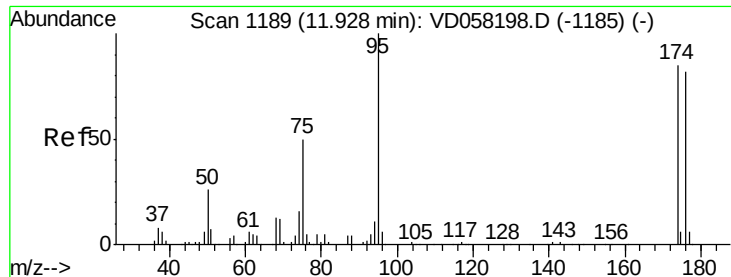


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->

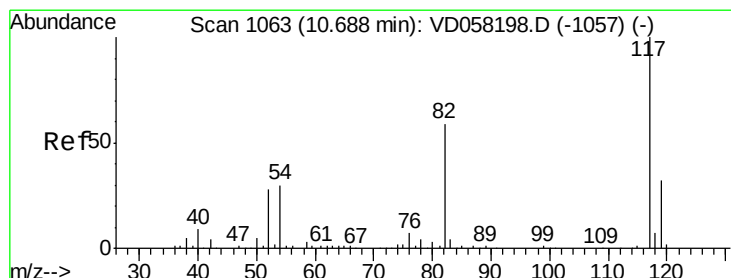
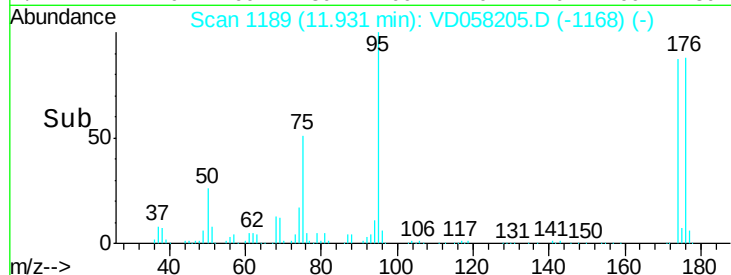
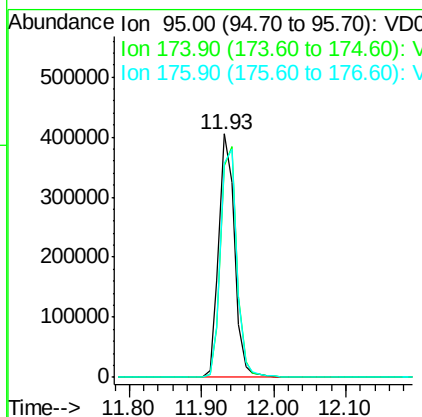
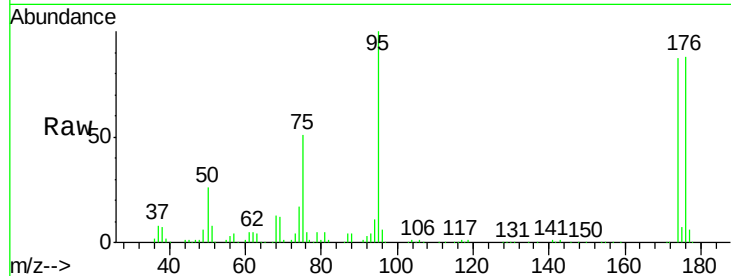




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

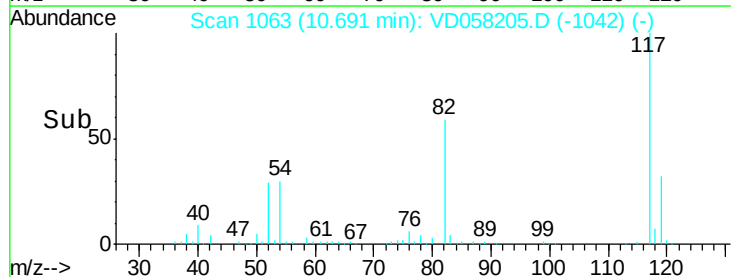
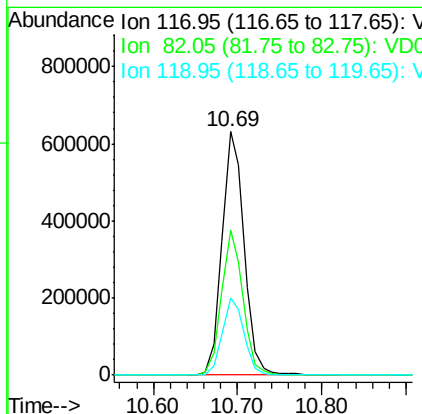
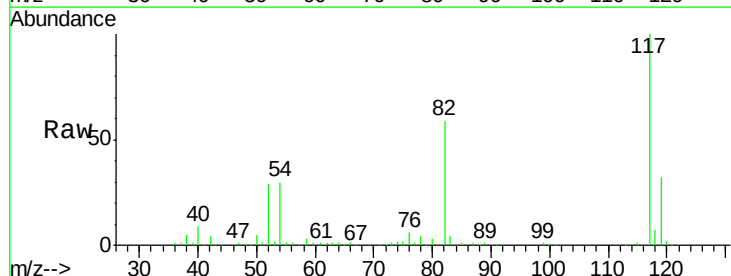
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL01

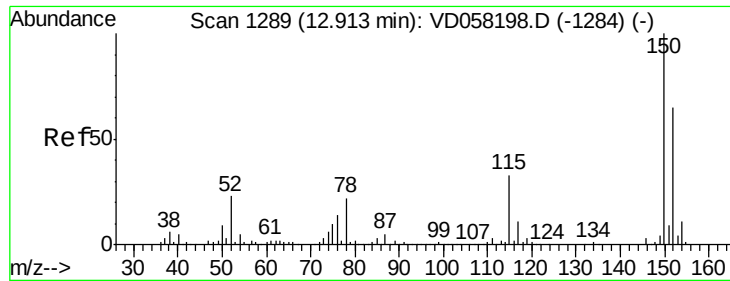
Tot Ion: 95 Resp: 608095
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.2
176 88.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058205.D
Acq: 20 Jun 2018 12:40

Tgt Ion: 117 Resp: 1146824
Ion Ratio Lower Upper
117 100
82 59.4 47.0 70.6
119 31.7 25.3 37.9

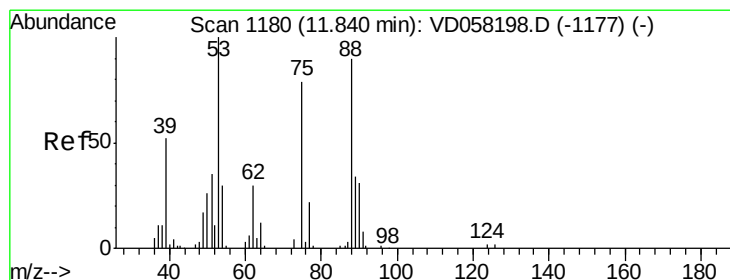
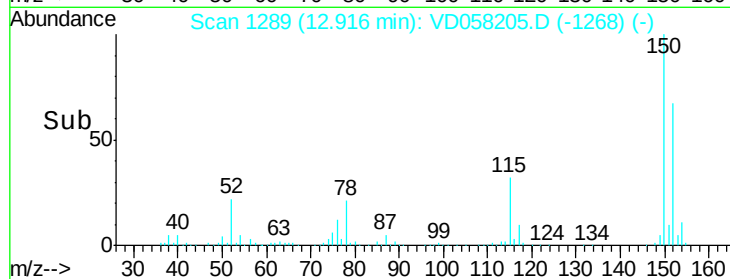
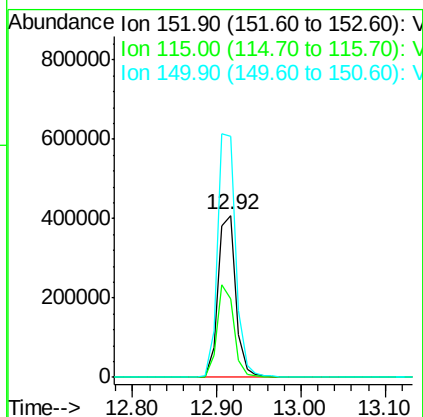
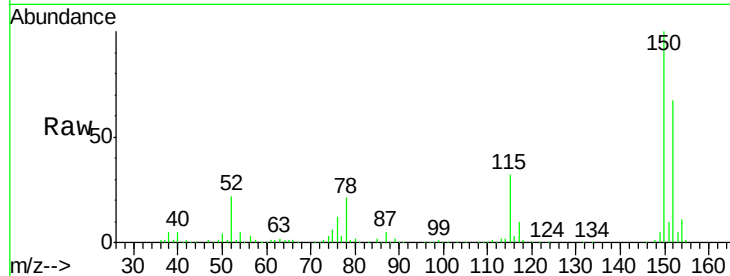




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

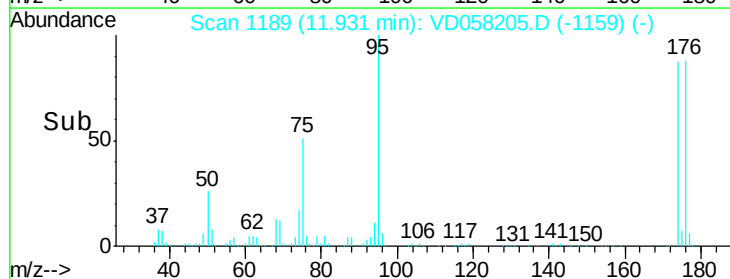
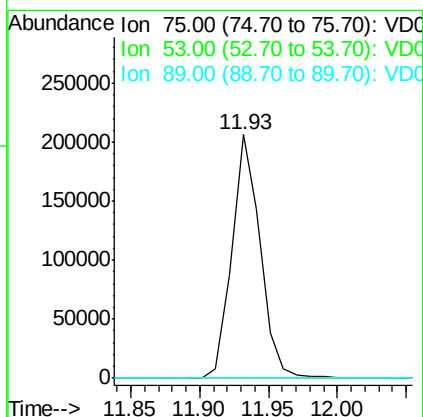
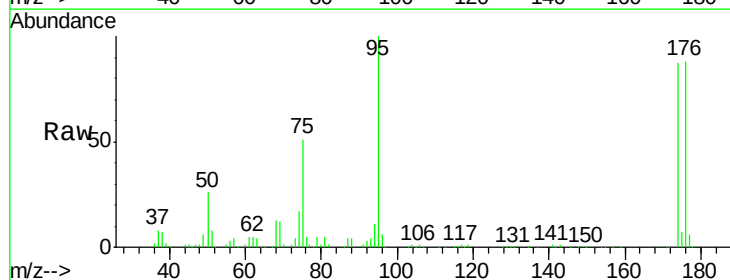
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL01

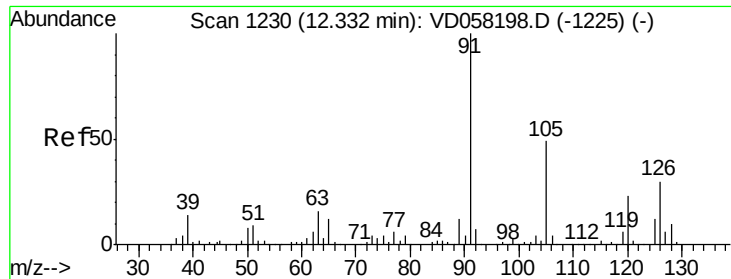
Tot Ion:152 Resp: 598089
 Ion Ratio Lower Upper
 152 100
 115 48.1 25.1 75.3
 150 149.1 0.0 308.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.300 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.09 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

Tgt Ion: 75 Resp: 294544
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.8 151.2#
 89 0.0 34.6 52.0#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD058205.D
 Acq: 20 Jun 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL01

Tot Ion: 91 Resp: 4218
 Ion Ratio Lower Upper
 91 100
 126 19.5 14.9 44.9

