

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058226.D
 Acq On : 21 Jun 2018 00:19
 Operator : VA/AP
 Sample : VD0620SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL02

Quant Time: Jun 21 01:29:30 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	833507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1130278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	912344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	511996	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	489366	58.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.26%		
35) Dibromofluoromethane	5.55	113	495324	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.68%		
50) Toluene-d8	8.72	98	1175775	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.66%		
62) 4-Bromofluorobenzene	11.94	95	484864	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.66%		

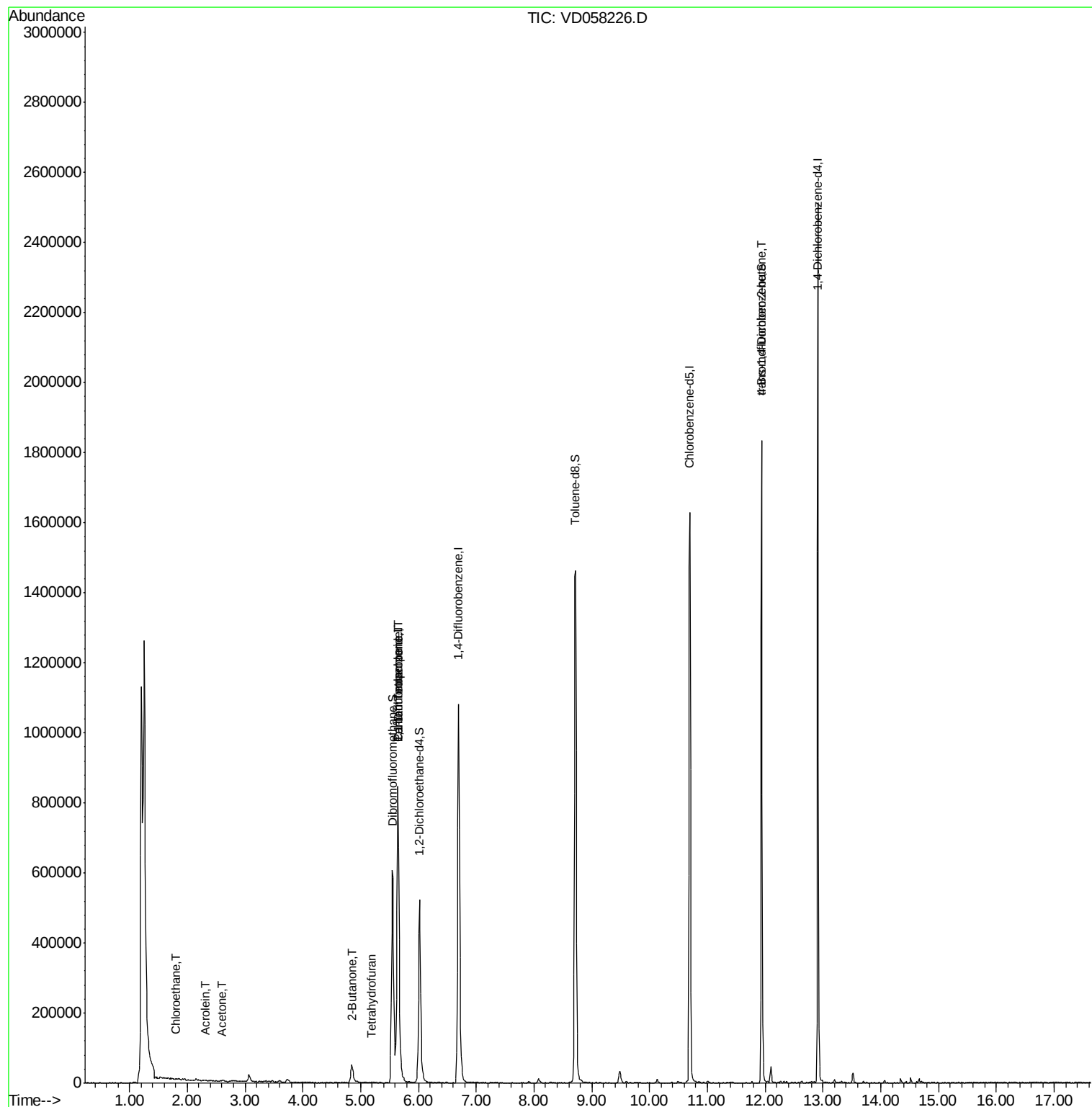
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	818	Below Cal	#	43
3) Chloromethane	1.51	50	858	Below Cal	#	43
5) Bromomethane	1.80	94	446	Below Cal	#	3
6) Chloroethane	1.81	64	200	1.513	ug/l #	41
13) Acrolein	2.32	56	190	1.199	ug/l #	74
16) Acetone	2.60	43	8255	7.170	ug/l #	62
20) Methylene Chloride	3.07	84	7859	Below Cal	#	91
25) 2-Butanone	4.85	43	5296	2.110	ug/l #	60
29) Tetrahydrofuran	5.20	42	1913	1.432	ug/l #	37
31) Cyclohexane	5.65	56	19899	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	66175	5.918	ug/l #	48
38) Carbon Tetrachloride	5.65	117	68671	6.181	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.94	75	233683	128.174	ug/l #	1
82) 4-Chlorotoluene	12.33	91	2405	Below Cal		84

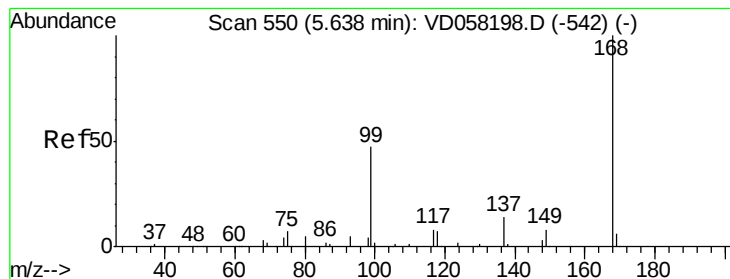
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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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: VD058226.D

Acq: 21 Jun 2018 00:19

Instrument :

MSVOA_D

ClientSampleId :

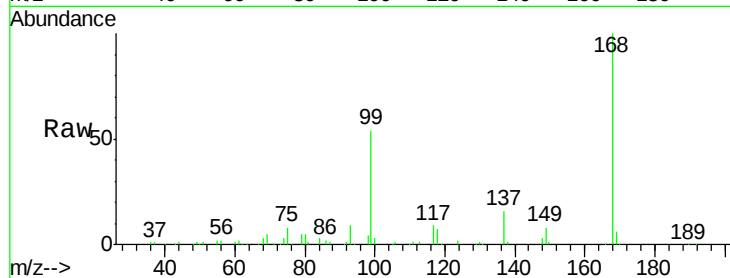
VD0620SBL02

Tot Ion:168 Resp: 833507

Ion Ratio Lower Upper

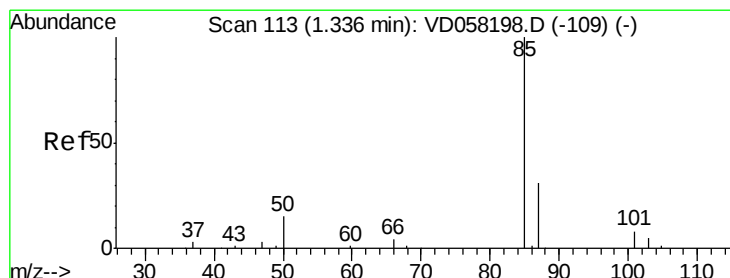
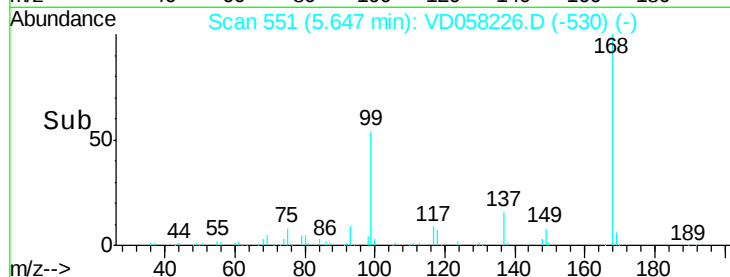
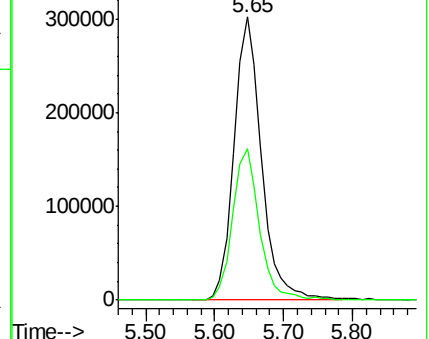
168 100

99 53.7 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: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058226.D

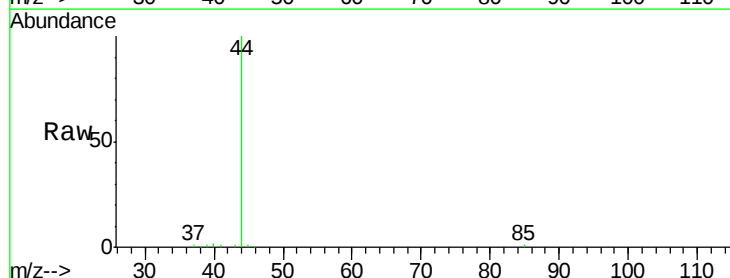
Acq: 21 Jun 2018 00:19

Tgt Ion: 85 Resp: 818

Ion Ratio Lower Upper

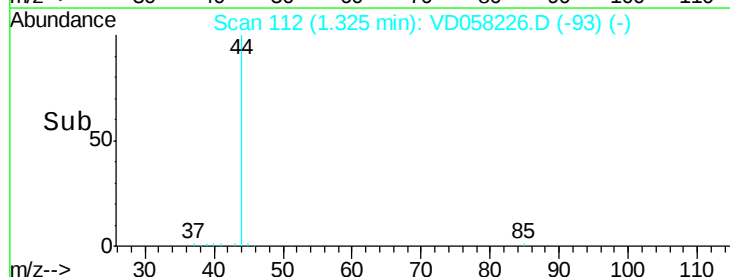
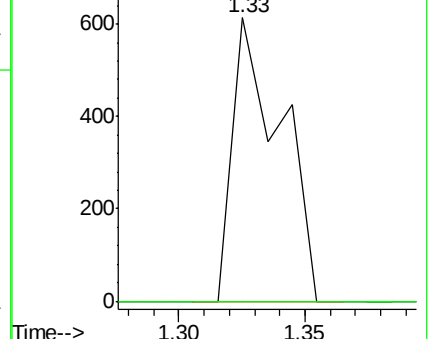
85 100

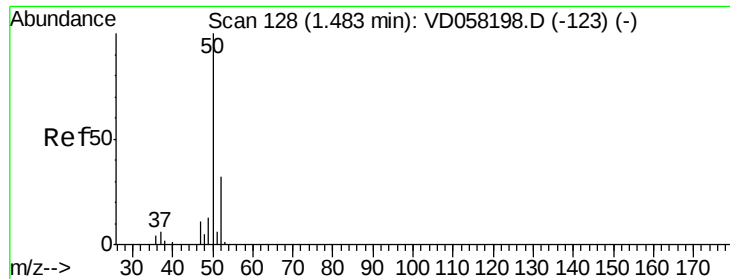
87 0.0 15.7 47.0#



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: 1.51 min Scan# 131

Delta R.T. 0.03 min

Lab File: VD058226.D

Acq: 21 Jun 2018 00:19

Instrument :

MSVOA_D

ClientSampleId :

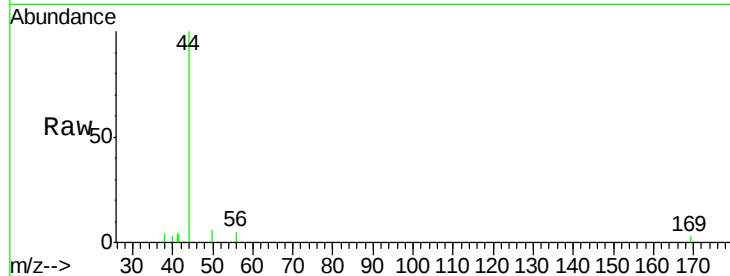
VD0620SBL02

Tot Ion: 50 Resp: 858

Ion Ratio Lower Upper

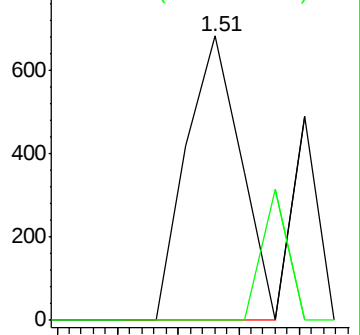
50 100

52 0.0 25.0 37.4#

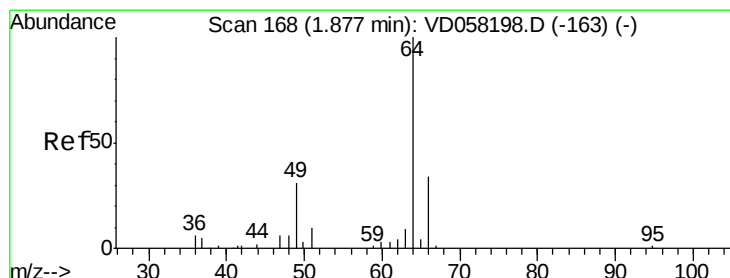
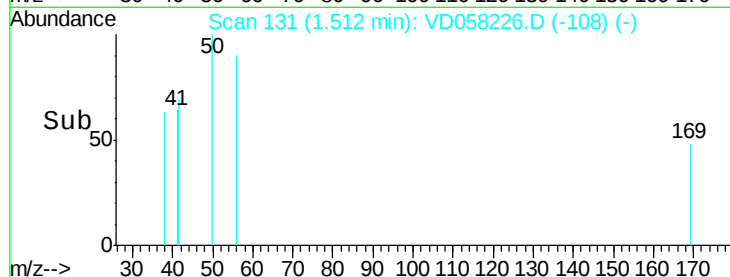


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#6

Chloroethane

Concen: 1.513 ug/l

RT: 1.81 min Scan# 161

Delta R.T. -0.07 min

Lab File: VD058226.D

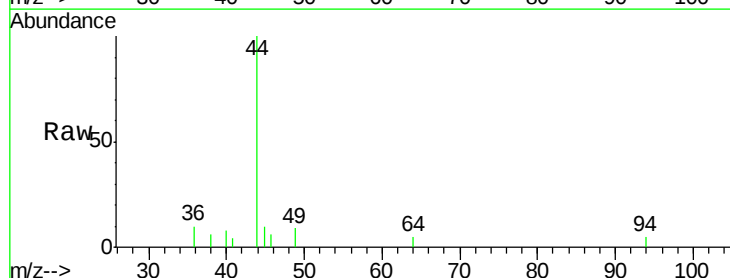
Acq: 21 Jun 2018 00:19

Tgt Ion: 64 Resp: 200

Ion Ratio Lower Upper

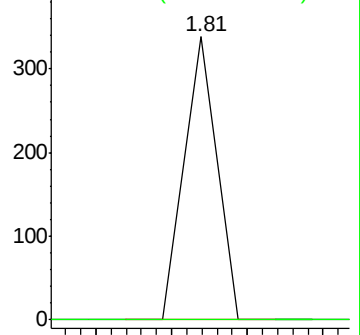
64 100

66 0.0 27.3 40.9#

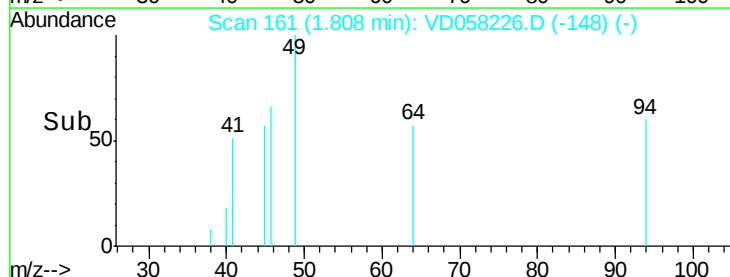


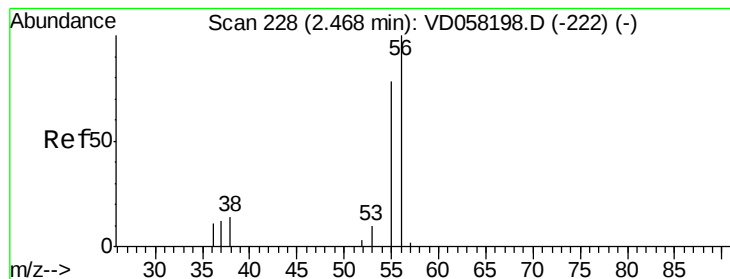
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#13

Acrolein

Concen: 1.199 ug/l

RT: 2.32 min Scan# 213

Delta R.T. -0.15 min

Lab File: VD058226.D

Acq: 21 Jun 2018 00:19

Instrument :

MSVOA_D

ClientSampleId :

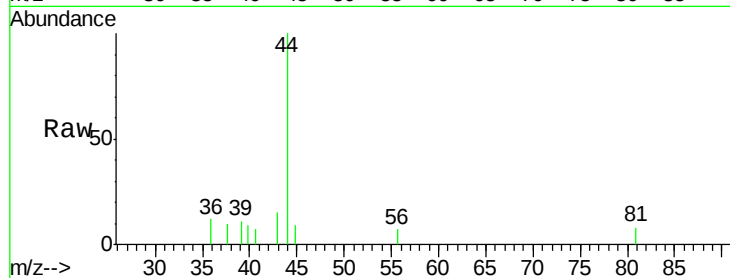
VD0620SBL02

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

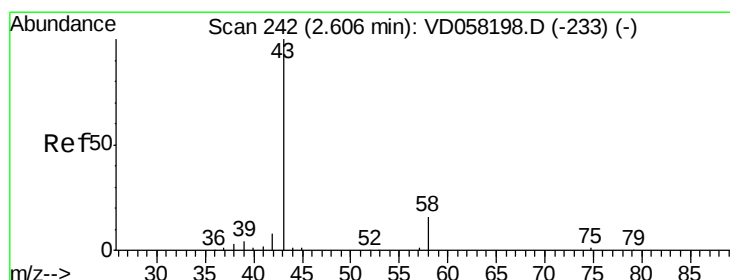
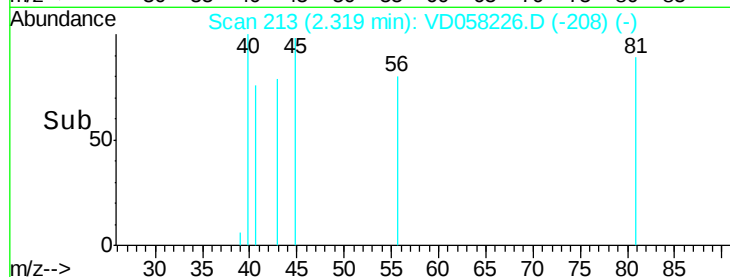
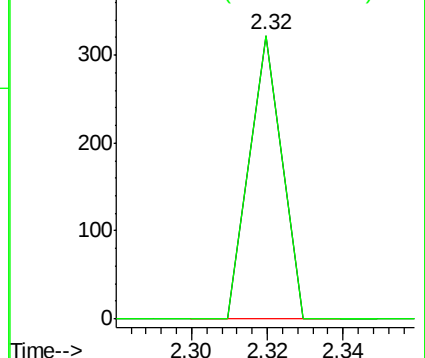
56 100

55 100.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 7.170 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058226.D

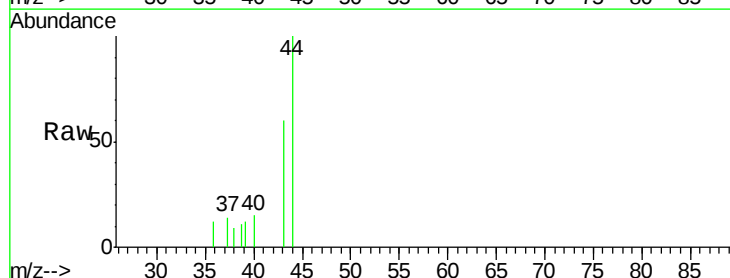
Acq: 21 Jun 2018 00:19

Tgt Ion: 43 Resp: 8255

Ion Ratio Lower Upper

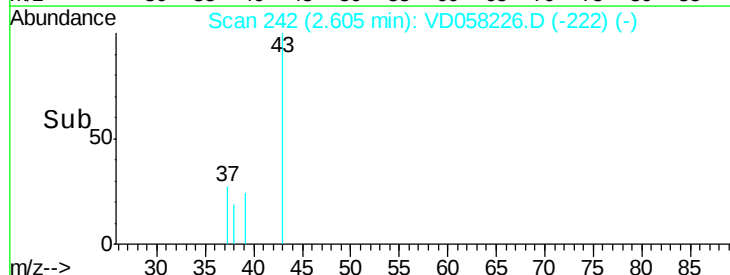
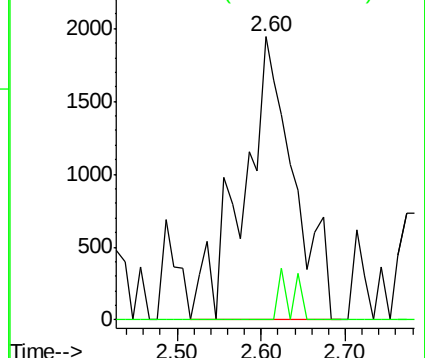
43 100

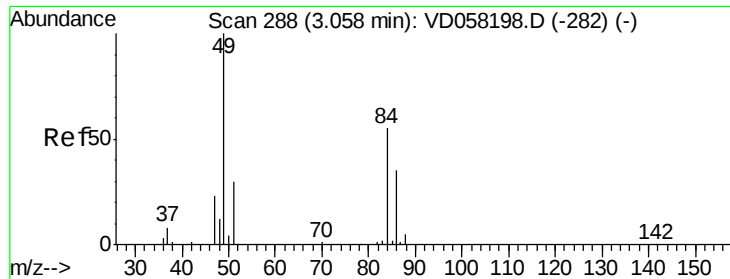
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

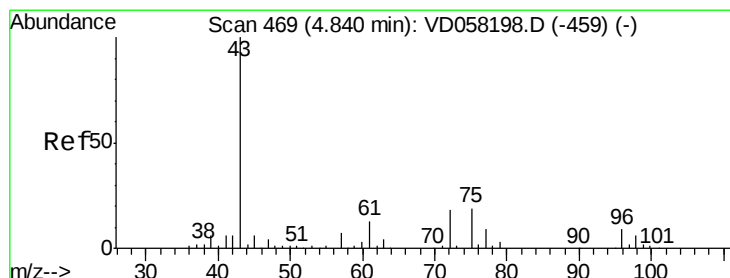
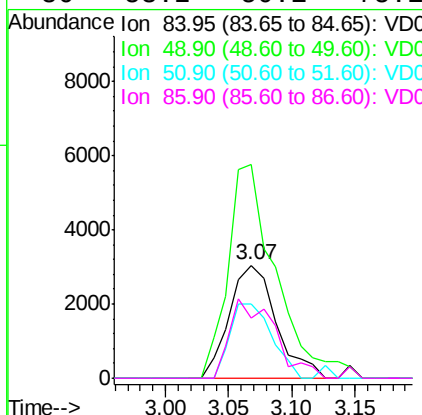
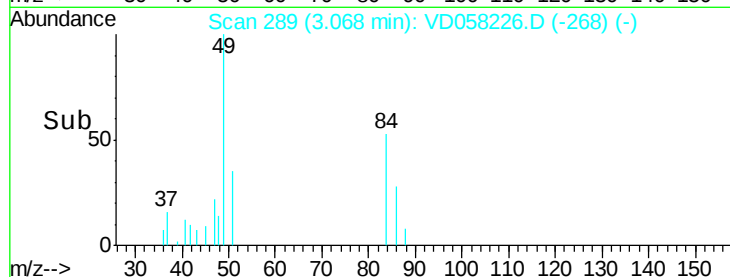
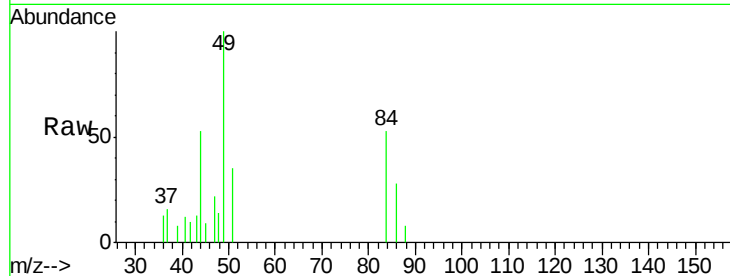




#20
Methylene Chloride
Concen: Below Cal
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

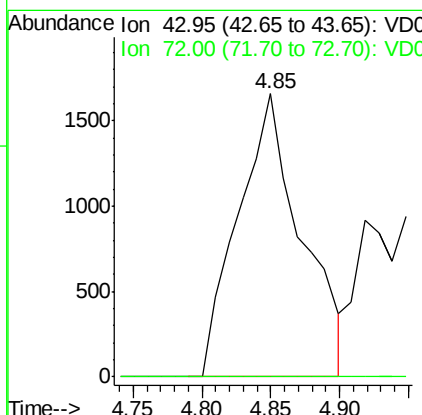
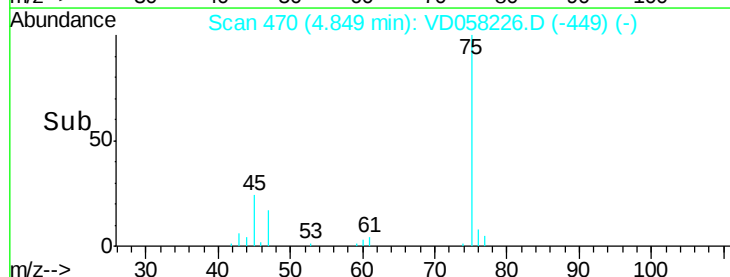
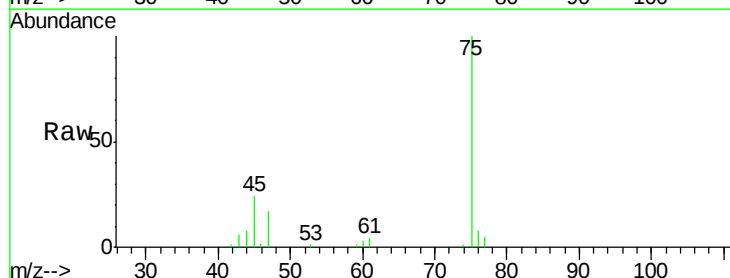
Instrument :
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ClientSampleId :
VD0620SBL02

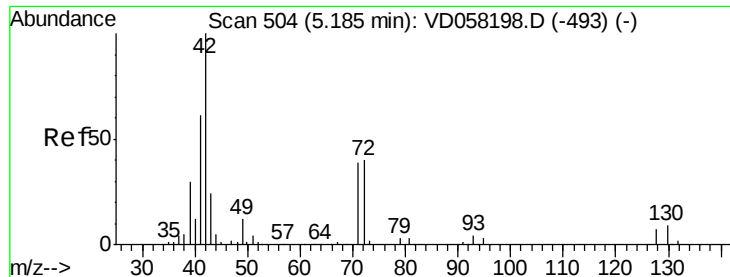
Tot Ion: 84 Resp: 7859
Ion Ratio Lower Upper
84 100
49 189.0 145.0 217.6
51 65.7 42.9 64.3#
86 53.2 50.1 75.1



#25
2-Butanone
Concen: 2.110 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

Tgt Ion: 43 Resp: 5296
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#

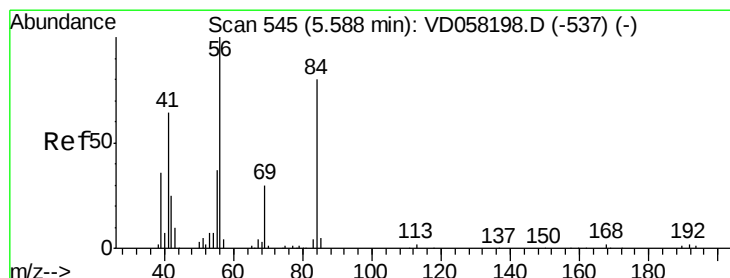
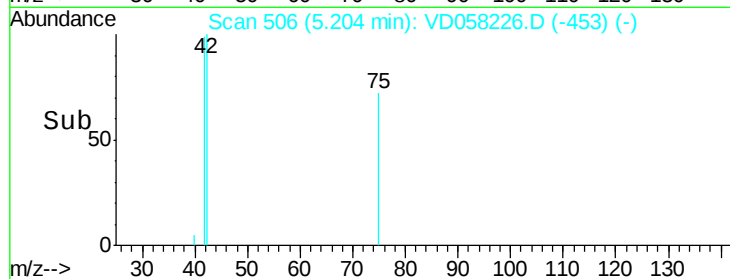
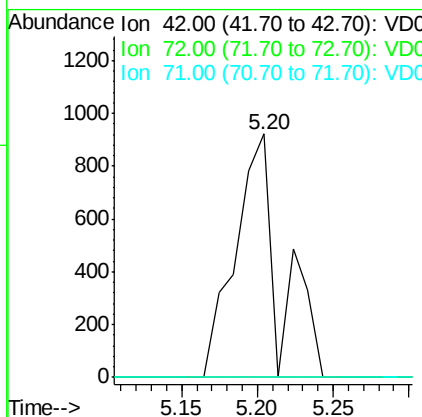
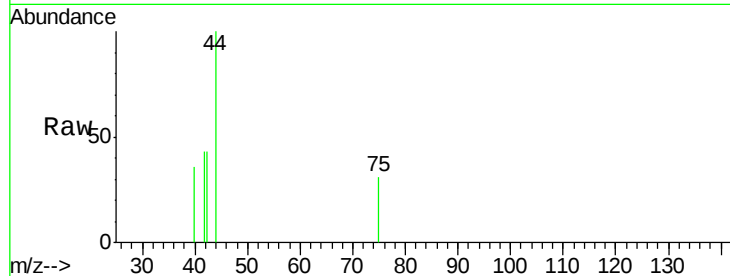




#29
Tetrahydrofuran
Concen: 1.432 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

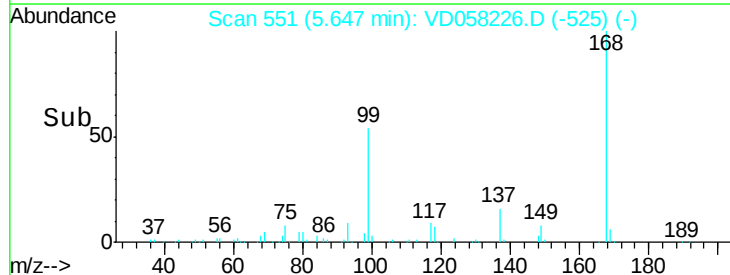
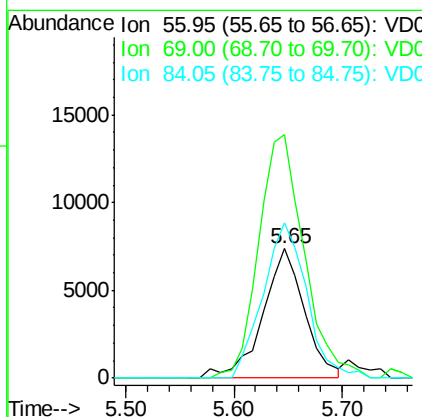
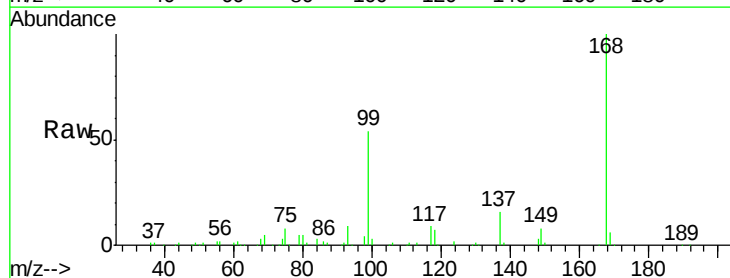
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL02

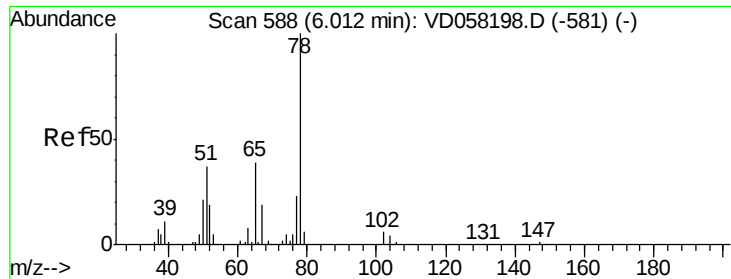
Tot Ion: 42 Resp: 1913
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

Tgt Ion: 56 Resp: 19899
Ion Ratio Lower Upper
56 100
69 188.5 23.6 35.4#
84 120.1 65.2 97.8#

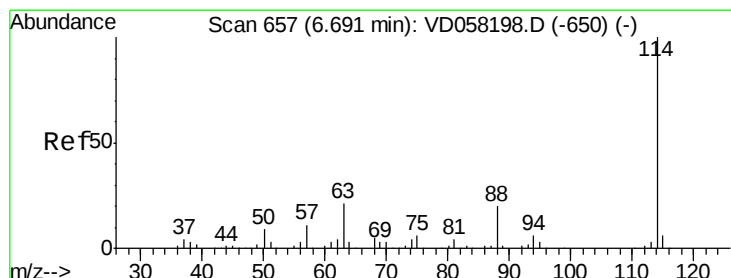
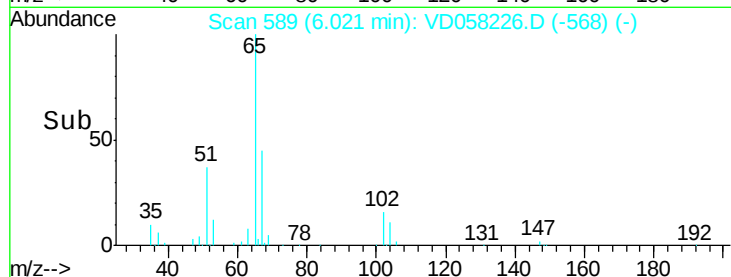
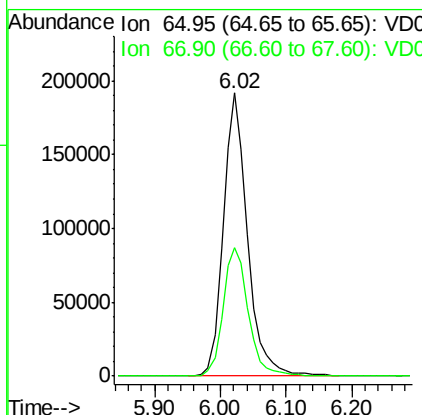
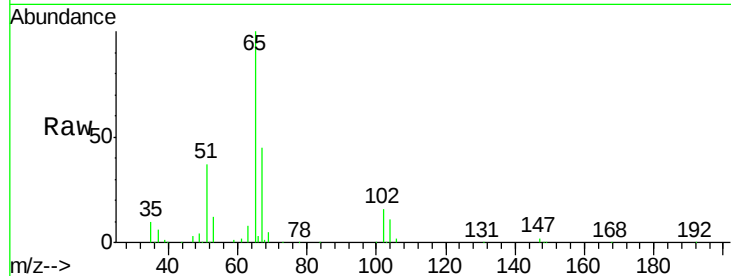




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058226.D
 Acq: 21 Jun 2018 00:19

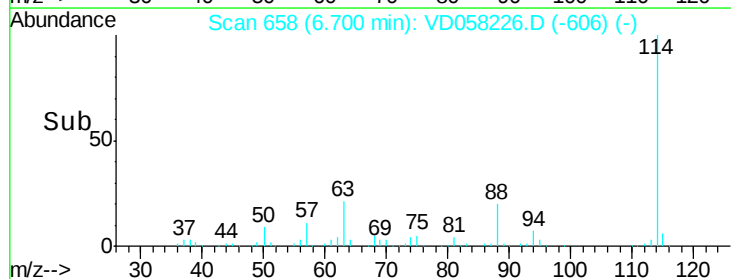
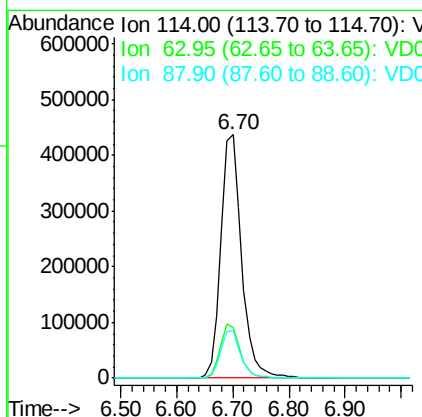
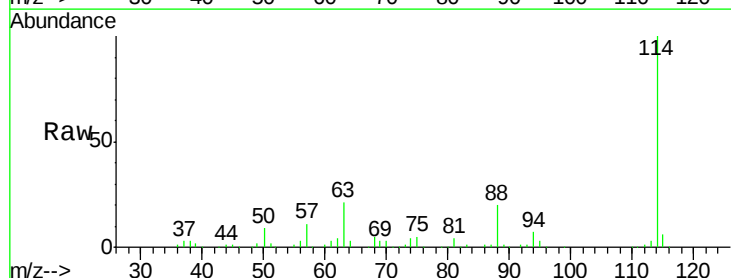
Instrument :
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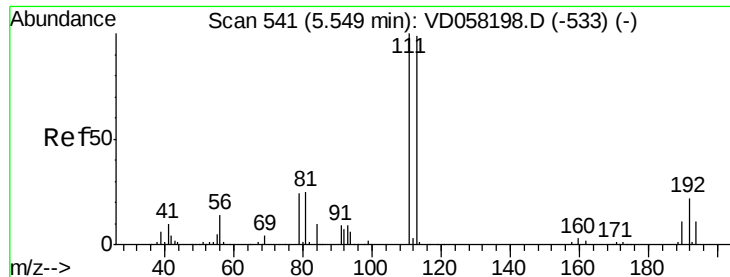
Tot Ion: 65 Resp: 489366
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058226.D
 Acq: 21 Jun 2018 00:19

Tgt Ion: 114 Resp: 1130278
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 19.8 0.0 40.6

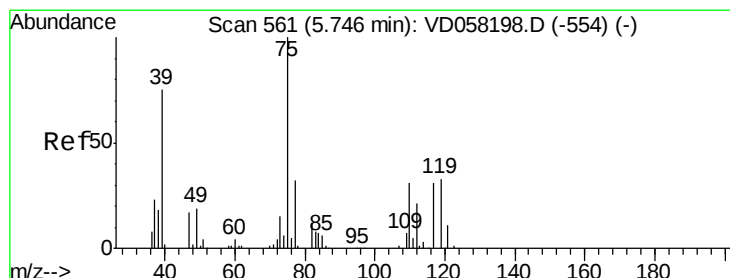
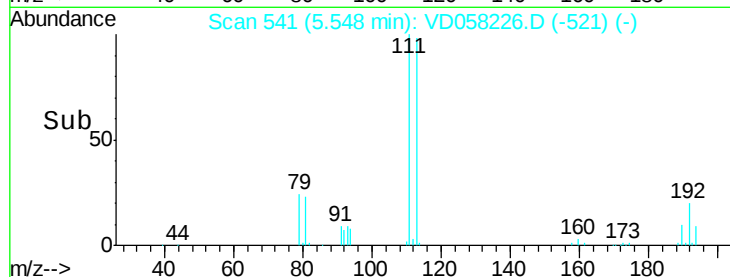
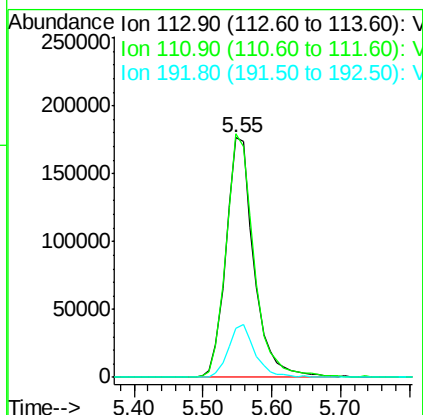
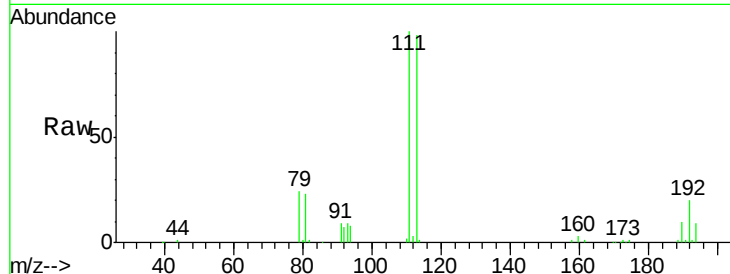




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VD058226.D
 Acq: 21 Jun 2018 00:19

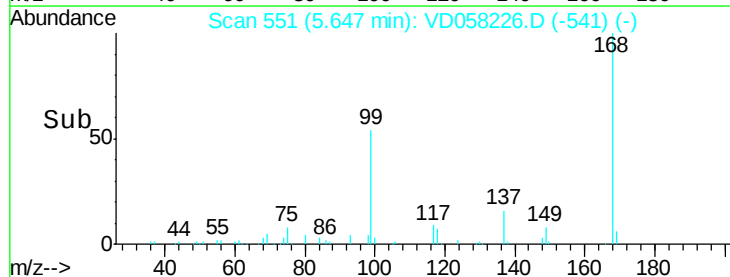
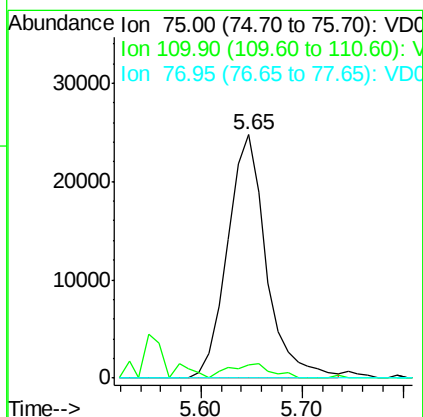
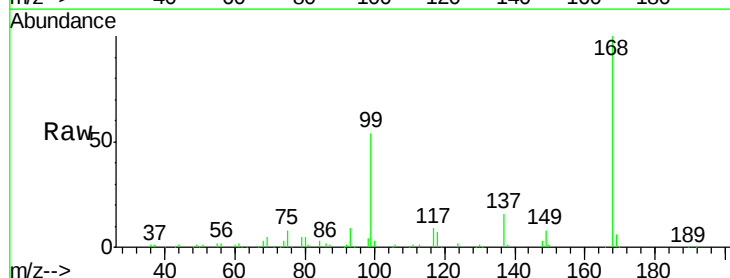
Instrument :
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 VD0620SBL02

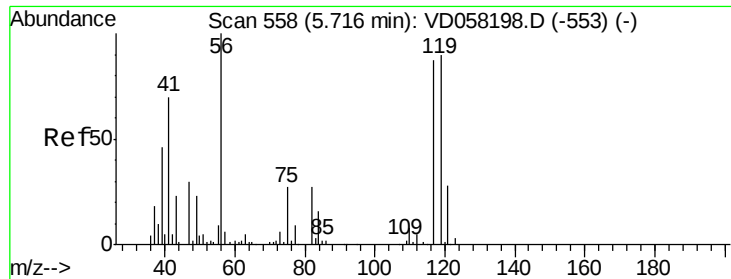
Tot Ion:113 Resp: 495324
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.6 121.0
 192 20.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 5.918 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058226.D
 Acq: 21 Jun 2018 00:19

Tgt Ion: 75 Resp: 66175
 Ion Ratio Lower Upper
 75 100
 110 5.4 15.4 46.4#
 77 0.0 25.4 38.2#

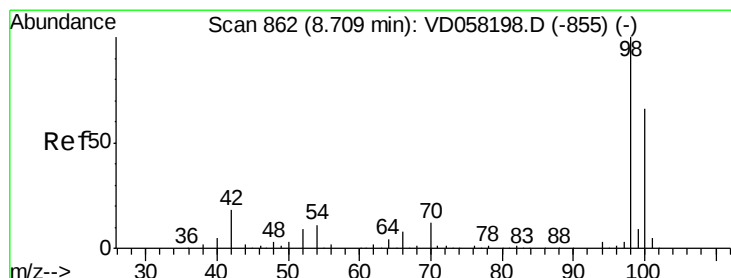
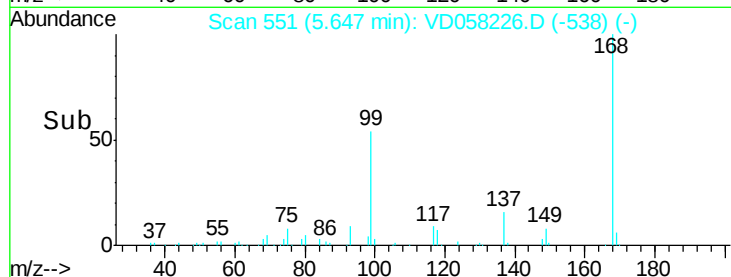
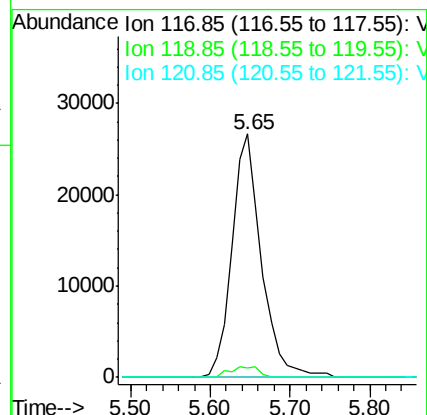
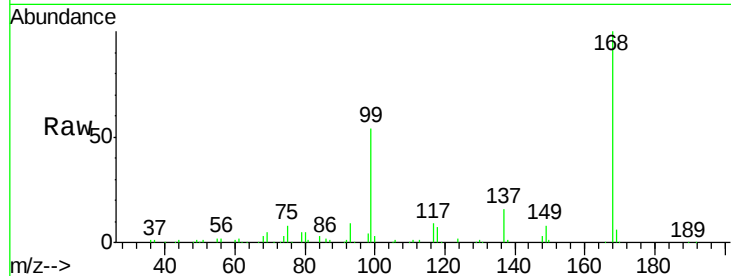




#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.07 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

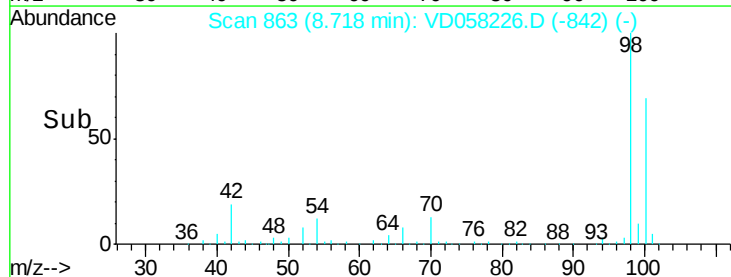
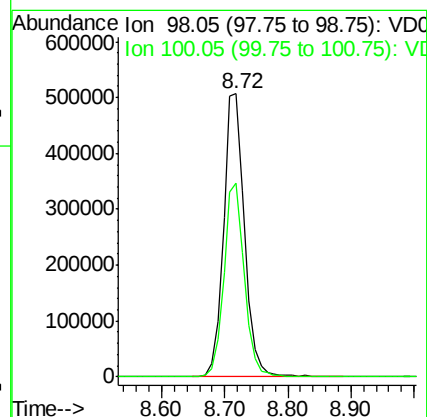
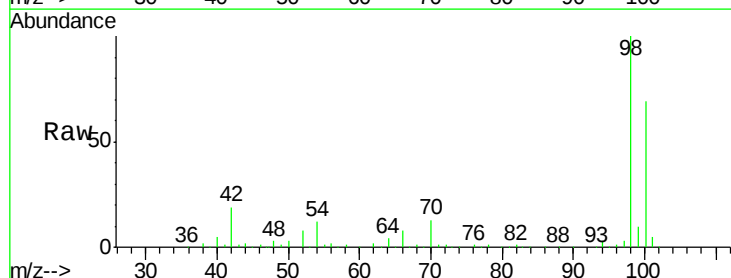
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL02

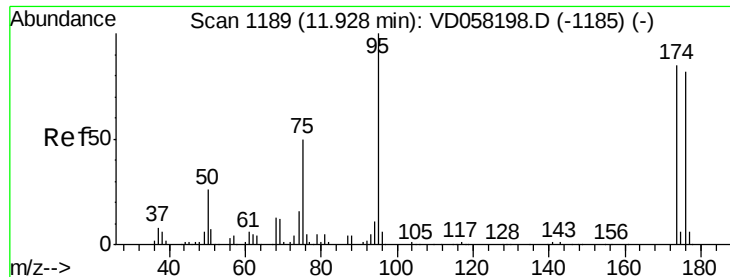
Tot Ion:117 Resp: 68671
Ion Ratio Lower Upper
117 100
119 4.0 78.8 118.2#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

Tgt Ion: 98 Resp: 1175775
Ion Ratio Lower Upper
98 100
100 68.6 53.6 80.4

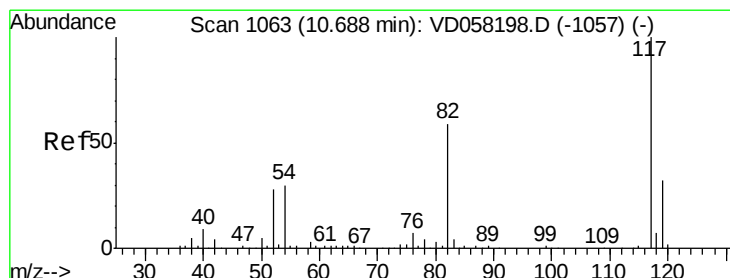
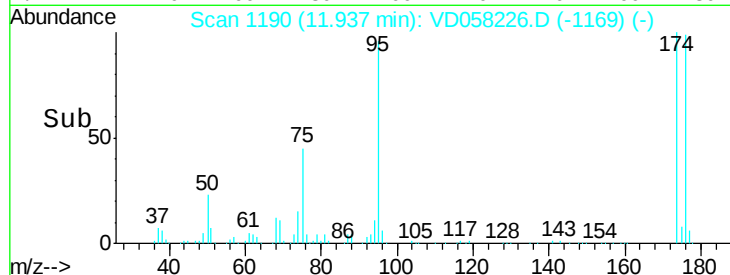
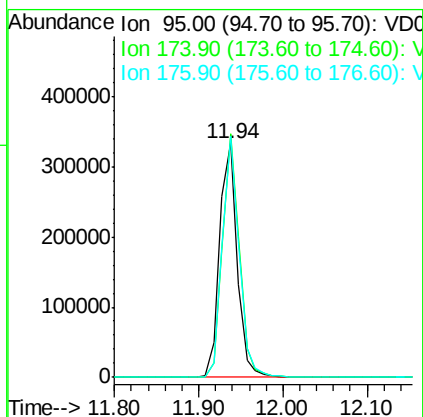
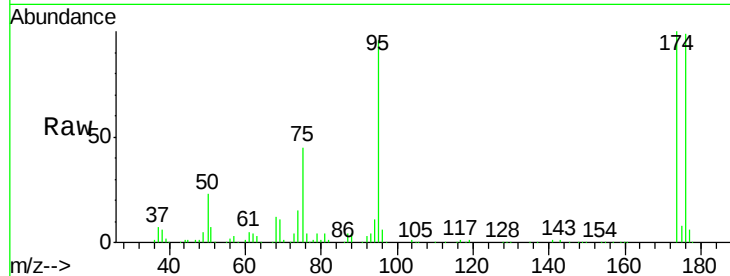




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

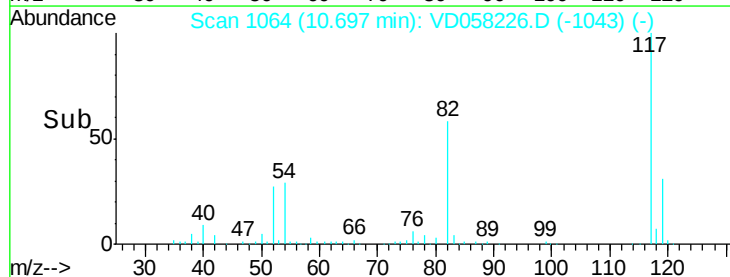
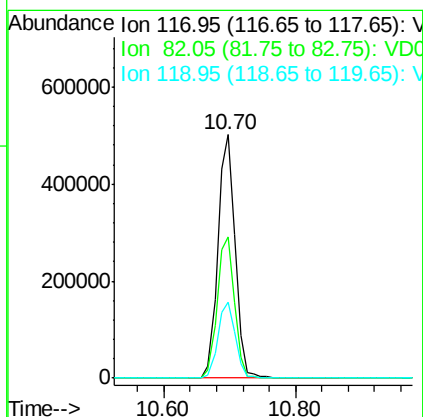
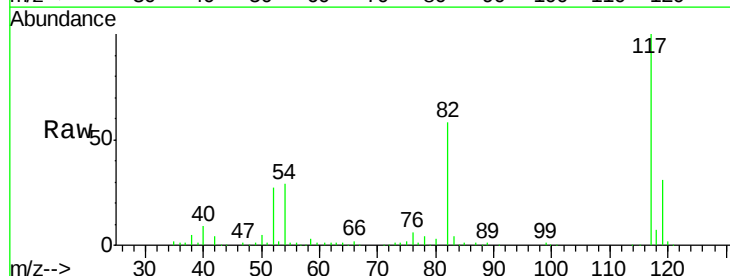
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBL02

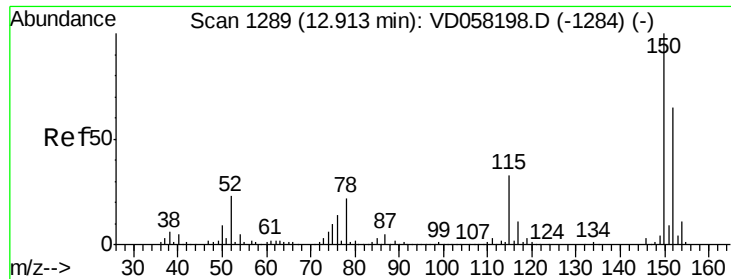
Tot Ion: 95 Resp: 484864
Ion Ratio Lower Upper
95 100
174 103.9 0.0 170.2
176 102.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058226.D
Acq: 21 Jun 2018 00:19

Tgt Ion: 117 Resp: 912344
Ion Ratio Lower Upper
117 100
82 58.3 47.0 70.6
119 30.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058226.D

Acq: 21 Jun 2018 00:19

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBL02

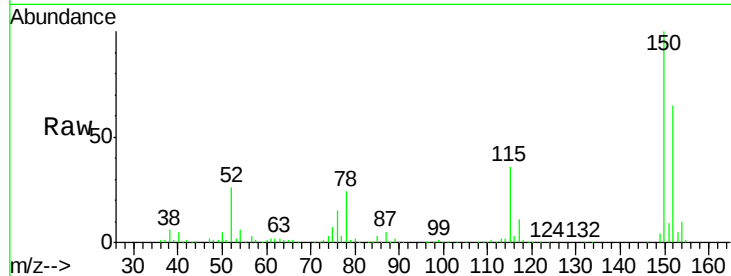
Tot Ion:152 Resp: 511996

Ion Ratio Lower Upper

152 100

115 54.4 25.1 75.3

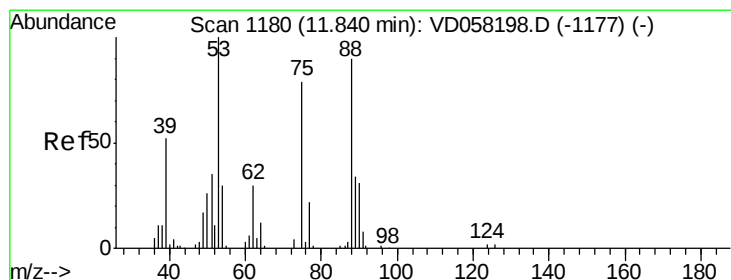
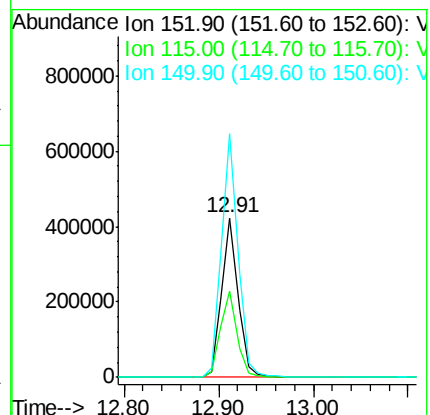
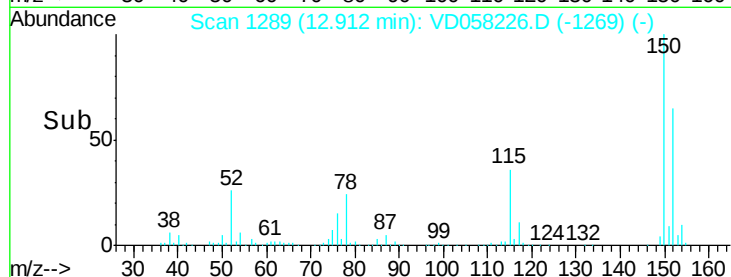
150 152.8 0.0 308.8



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: 128.174 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058226.D

Acq: 21 Jun 2018 00:19

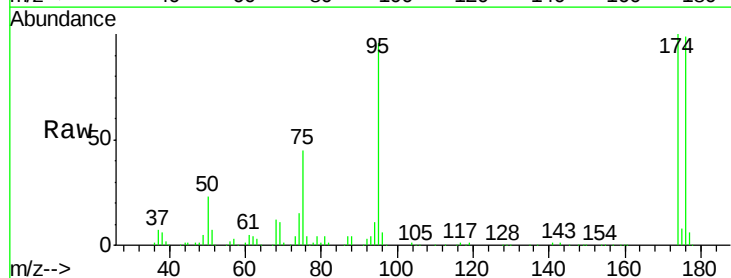
Tgt Ion: 75 Resp: 233683

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

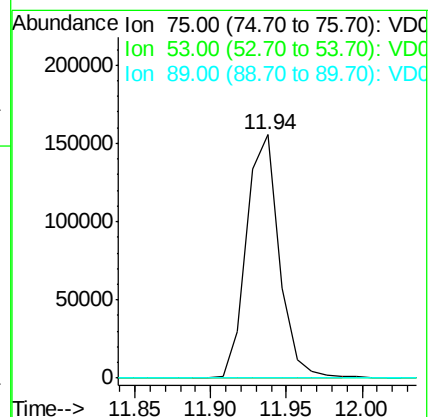
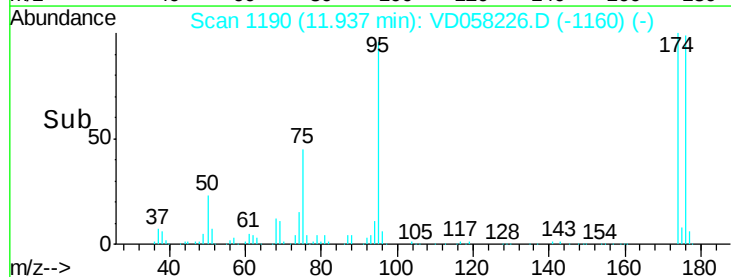
89 0.0 34.6 52.0#

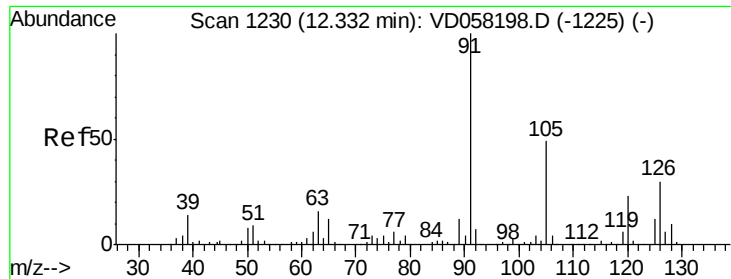


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD058226.D
 Acq: 21 Jun 2018 00:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBL02

Tot Ion: 91 Resp: 2405
 Ion Ratio Lower Upper
 91 100
 126 21.3 14.9 44.9

