

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059482.D
 Acq On : 29 Jun 2018 00:25
 Operator : VA/AP
 Sample : J3242-13
 Misc : 5.73g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:30:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	574843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	773472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	590026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	274816	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	261687	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
35) Dibromofluoromethane	5.55	113	282018	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
50) Toluene-d8	8.71	98	495569	33.65	ug/l	0.00
Spiked Amount			Recovery	=	67.30%	
62) 4-Bromofluorobenzene	11.93	95	228039	37.22	ug/l	0.00
Spiked Amount			Recovery	=	74.44%	

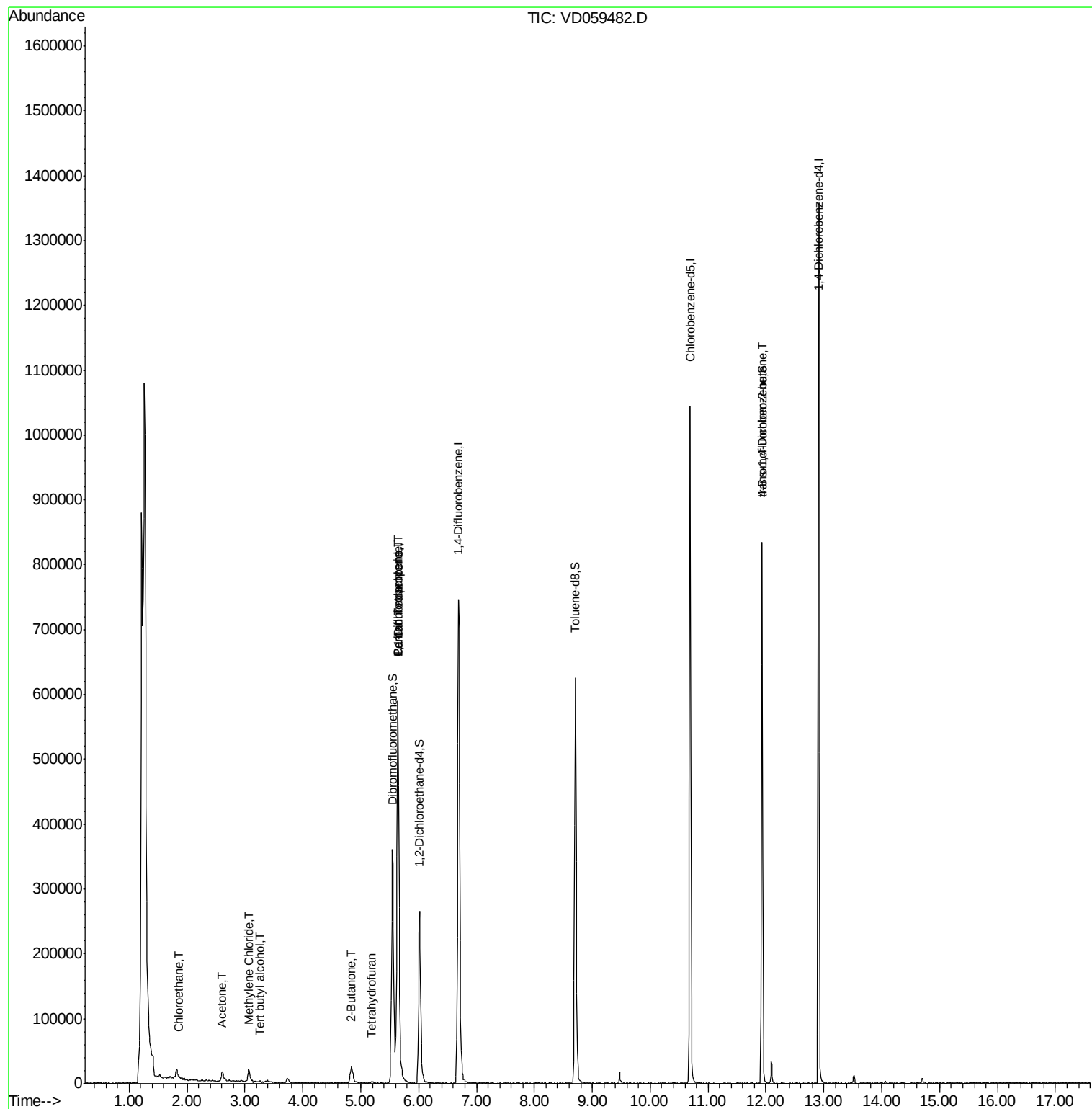
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.77	94	182	Below Cal	#	4
6) Chloroethane	1.86	64	180	2.042	ug/l #	41
11) Tert butyl alcohol	3.25	59	257	1.264	ug/l #	72
16) Acetone	2.61	43	29211	39.372	ug/l	95
18) Methyl Acetate	2.94	43	2893	Below Cal	#	66
20) Methylene Chloride	3.06	84	8687	1.818	ug/l	97
25) 2-Butanone	4.85	43	1978	1.273	ug/l #	57
29) Tetrahydrofuran	5.19	42	1305	1.535	ug/l #	49
31) Cyclohexane	5.64	56	14653	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	49472	7.051	ug/l #	50
38) Carbon Tetrachloride	5.63	117	46820	6.472	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	106506	123.617	ug/l #	1

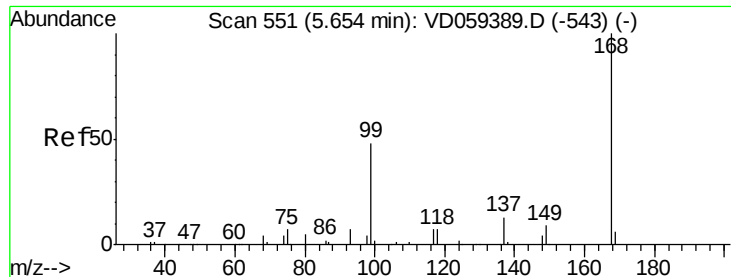
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062818\
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Quant Title : SW846 8260
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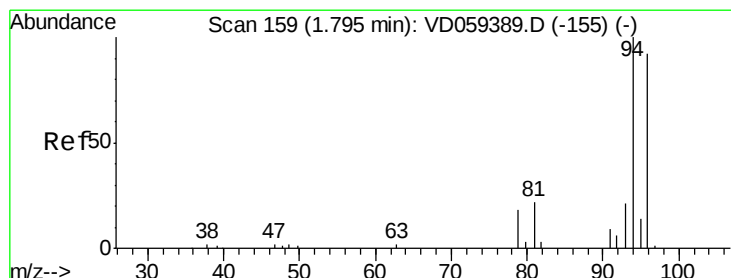
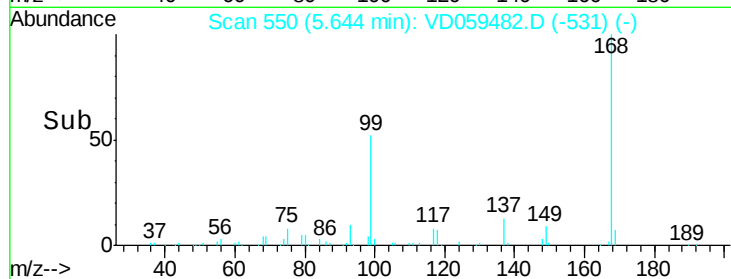
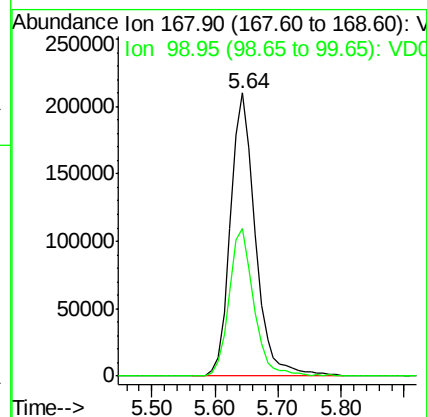
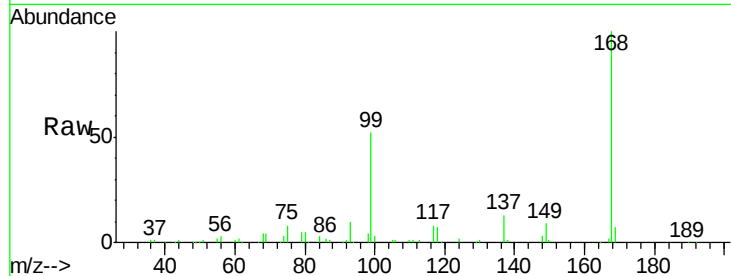




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

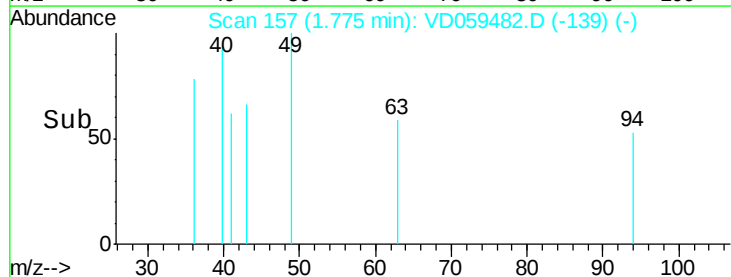
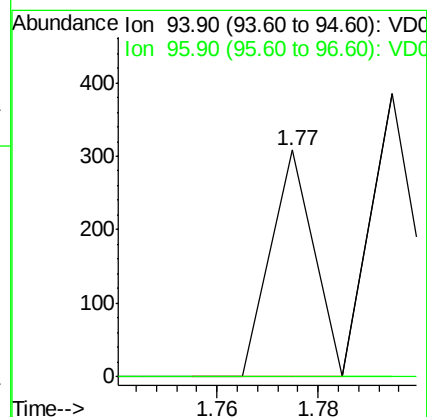
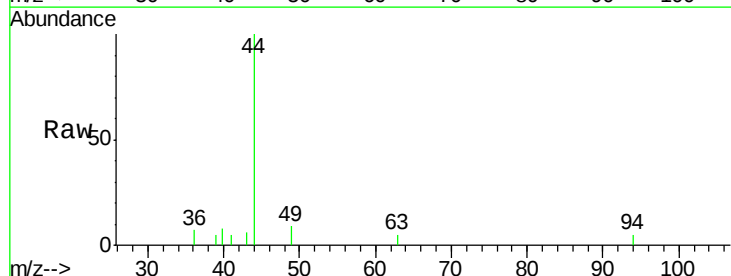
Instrument :
MSVOA_D
ClientSampled :

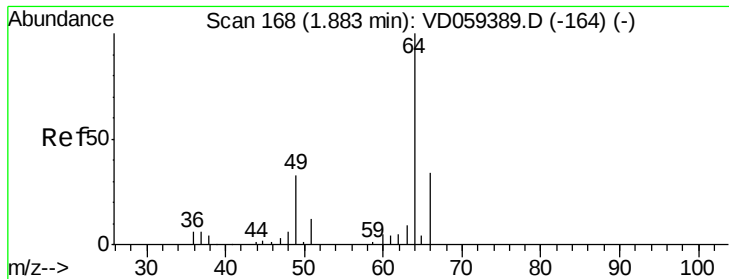
Tot Ion:168 Resp: 574843
Ion Ratio Lower Upper
168 100
99 52.4 41.0 61.6



#5
Bromomethane
Concen: Below Cal
RT: 1.77 min Scan# 157
Delta R.T. -0.02 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 0.0 73.4 110.0#





#6

Chloroethane

Concen: 2.042 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

Instrument :

MSVOA_D

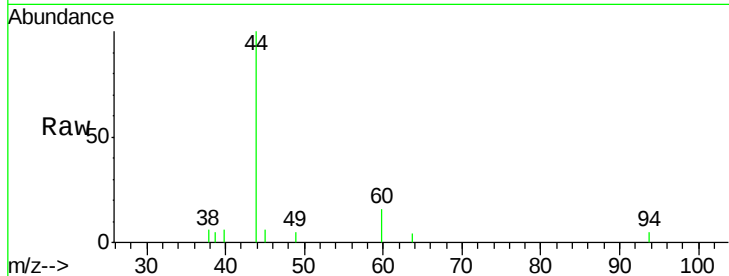
ClientSampleId :

Tot Ion: 64 Resp: 180

Ion Ratio Lower Upper

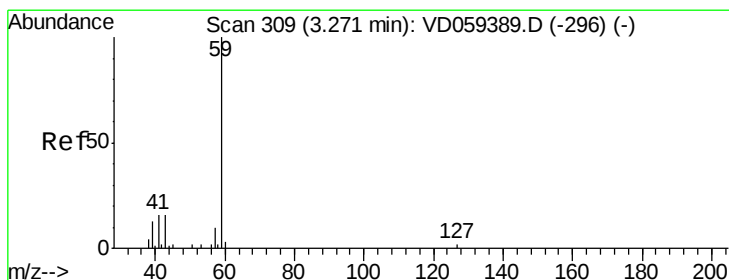
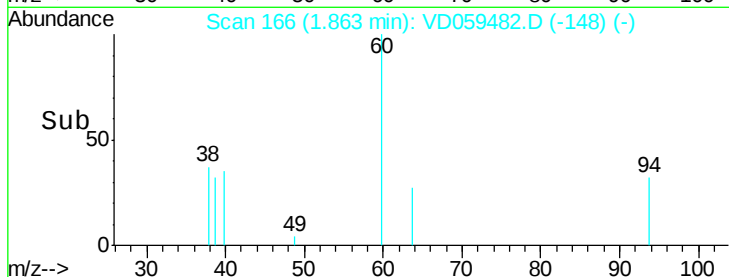
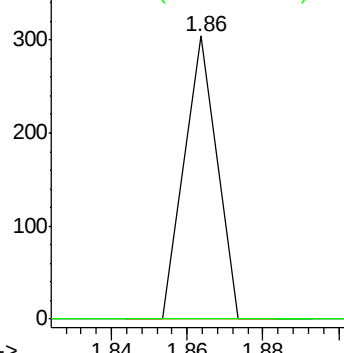
64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 1.264 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD059482.D

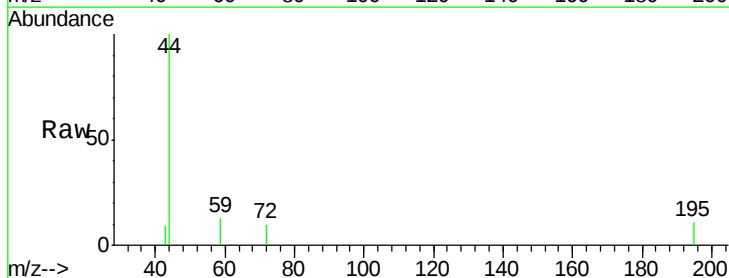
Acq: 29 Jun 2018 00:25

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

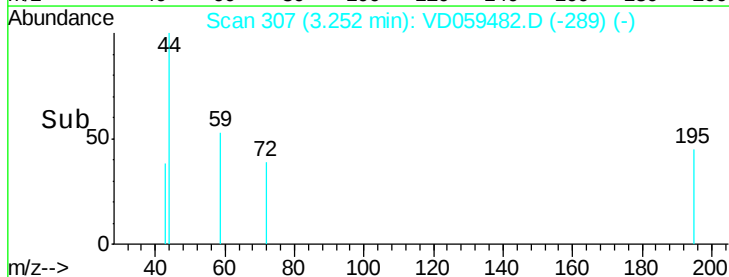
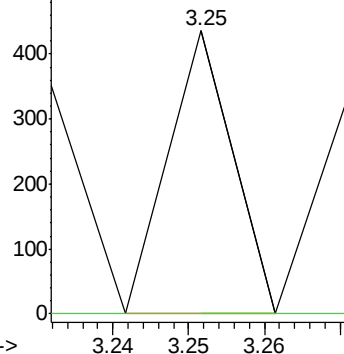
59 100

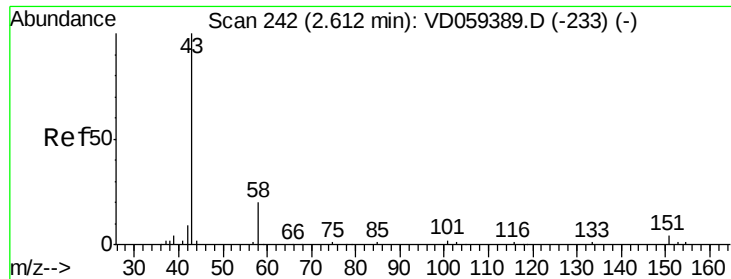
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

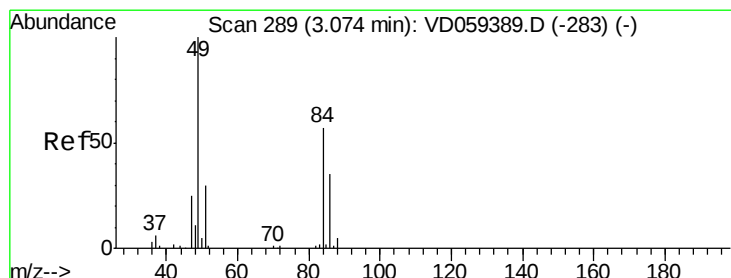
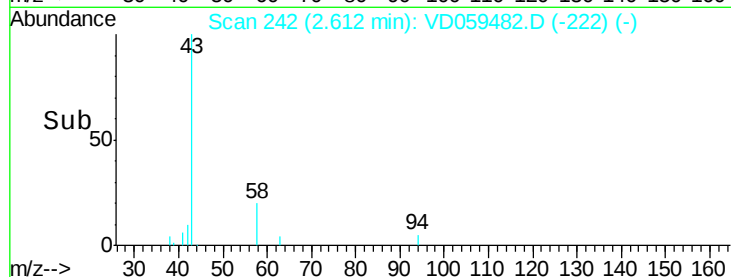
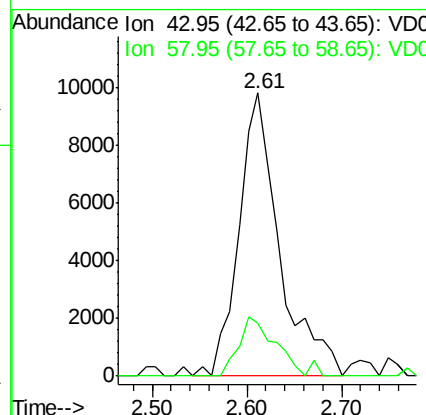
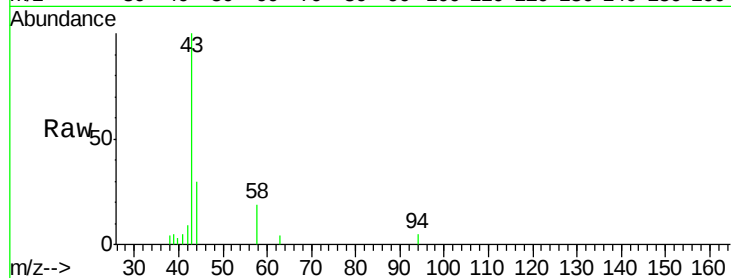




#16
Acetone
Concen: 39.372 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

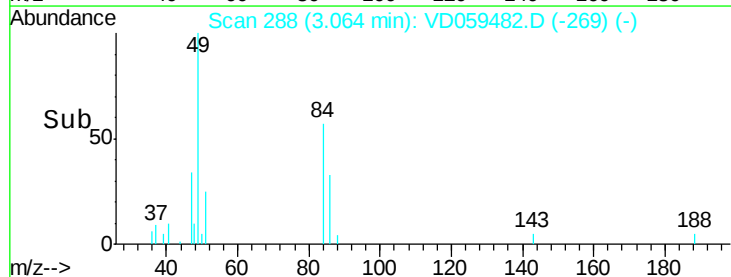
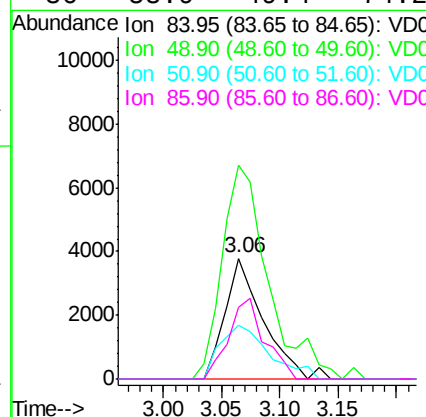
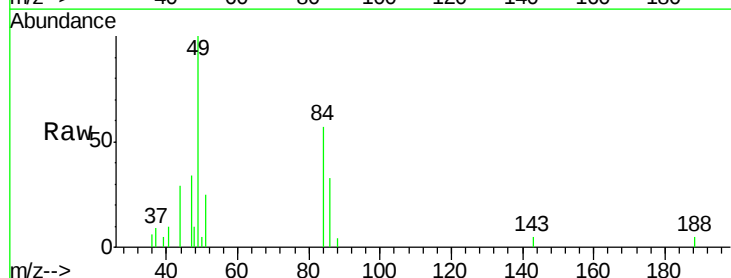
Instrument :
MSVOA_D
ClientSampled :

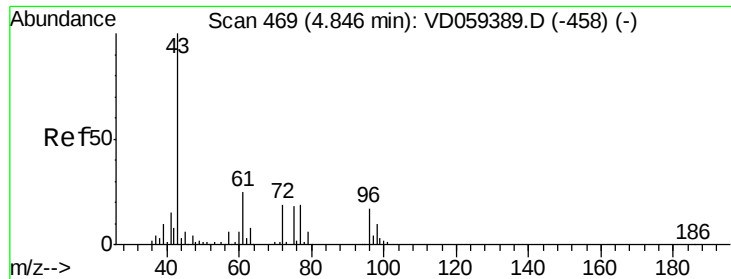
Tot Ion: 43 Resp: 29211
Ion Ratio Lower Upper
43 100
58 18.8 16.8 25.2



#20
Methylene Chloride
Concen: 1.818 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Tgt Ion: 84 Resp: 8687
Ion Ratio Lower Upper
84 100
49 176.9 140.3 210.5
51 45.0 41.6 62.4
86 58.9 49.4 74.2





#25

2-Butanone

Concen: 1.273 ug/l

RT: 4.85 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

Instrument :

MSVOA_D

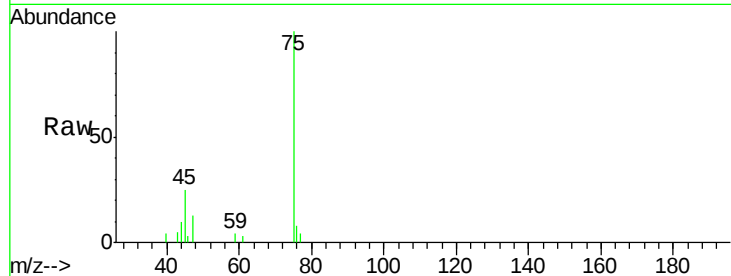
ClientSampleId :

Tot Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

800

600

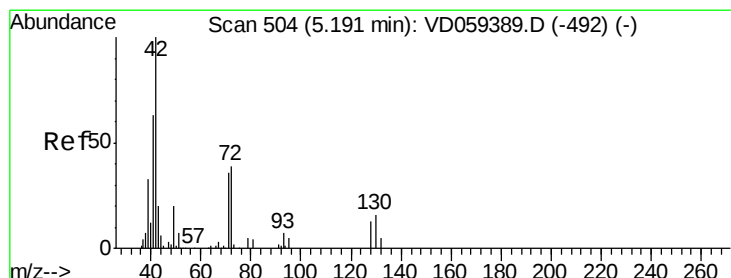
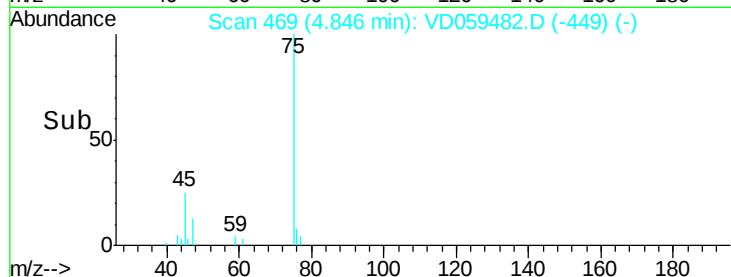
400

200

0

4.80 4.85 4.90

Time-->



#29

Tetrahydrofuran

Concen: 1.535 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

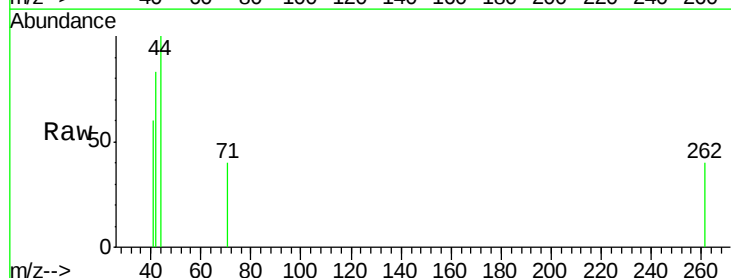
Tgt Ion: 42 Resp: 1305

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 15.1 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

800

600

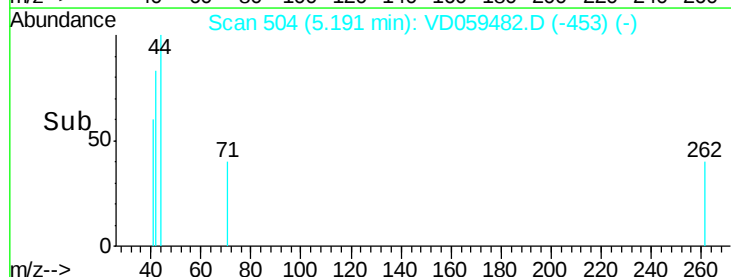
400

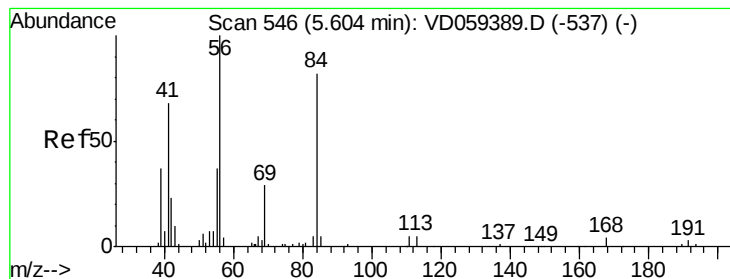
200

0

5.15 5.20

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

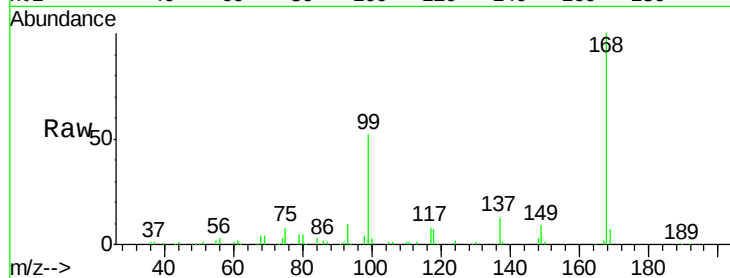
Delta R.T. 0.04 min

Lab File: VD059482.D

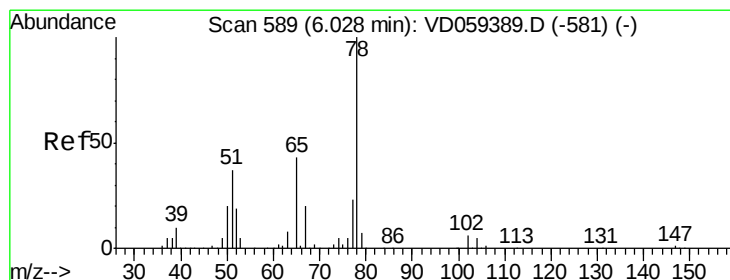
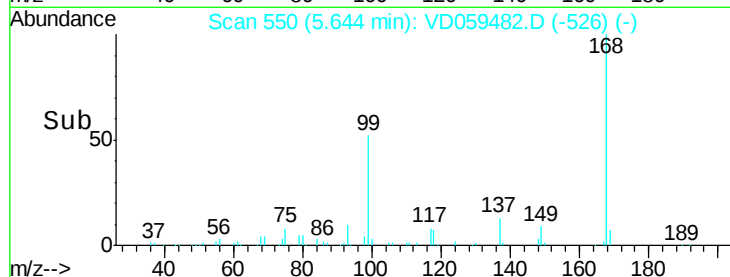
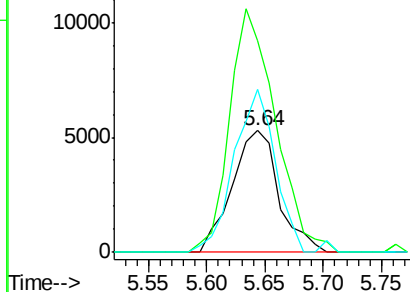
Acq: 29 Jun 2018 00:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	56	Resp:	14653
Ion	Ratio	Lower	Upper
56	100		
69	173.8	22.9	34.3#
84	134.6	67.3	100.9#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

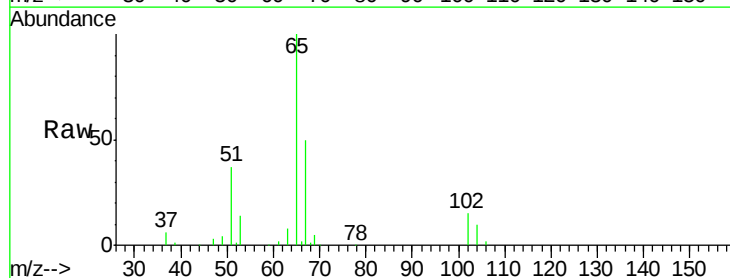
RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

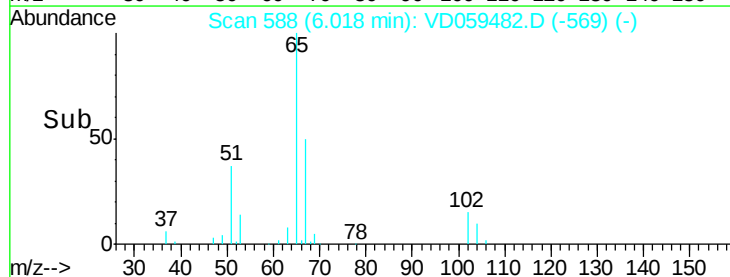
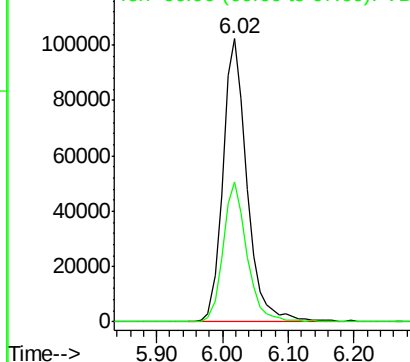
Lab File: VD059482.D

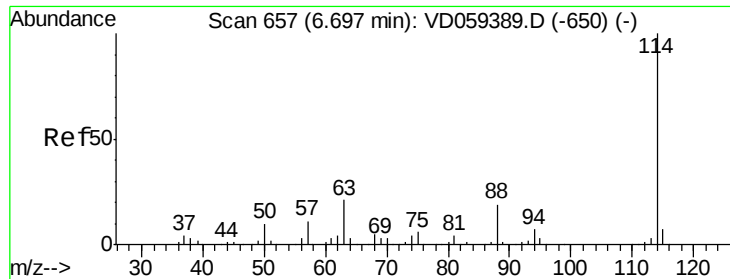
Acq: 29 Jun 2018 00:25

Tgt Ion:	65	Resp:	261687
Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	93.8



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# 656

Delta R.T. -0.01 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

Instrument :
MSVOA_D
ClientSampleId :

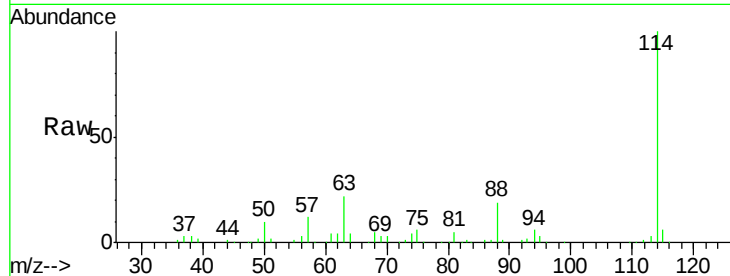
Tot Ion:114 Resp: 773472

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

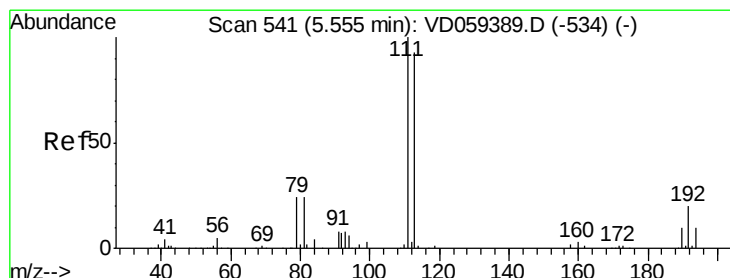
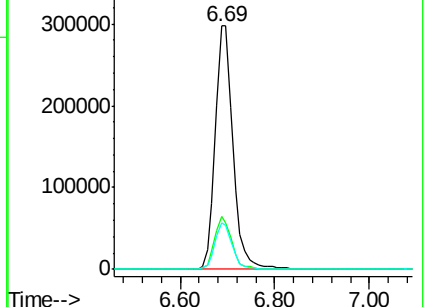
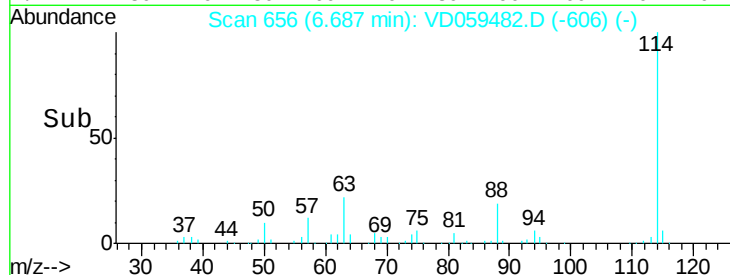
88 18.9 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

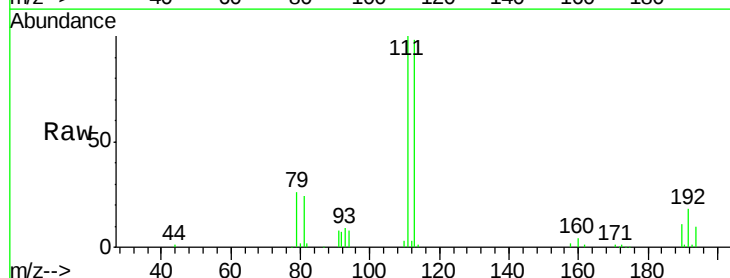
Tgt Ion:113 Resp: 282018

Ion Ratio Lower Upper

113 100

111 102.2 85.7 128.5

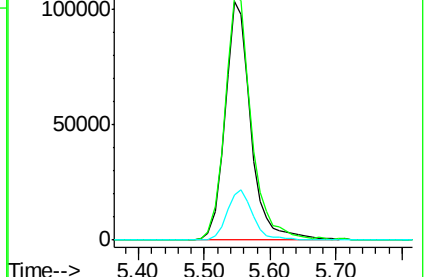
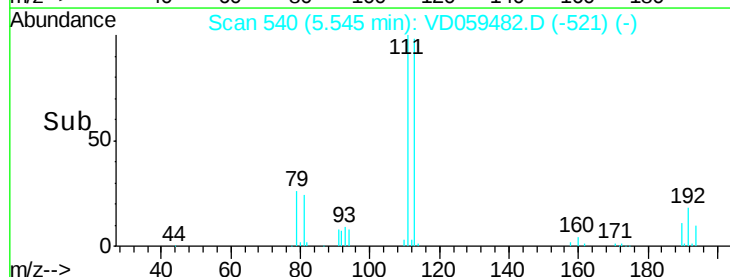
192 18.8 16.9 25.3

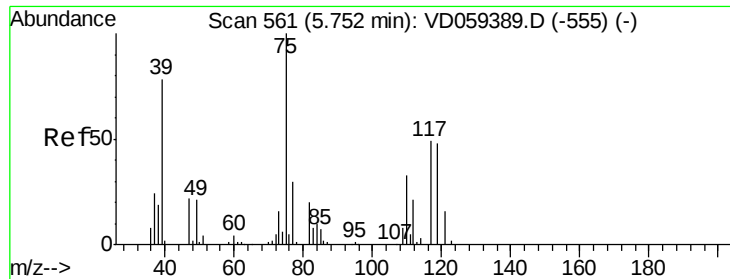


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.051 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

Instrument :

MSVOA_D

ClientSampleId :

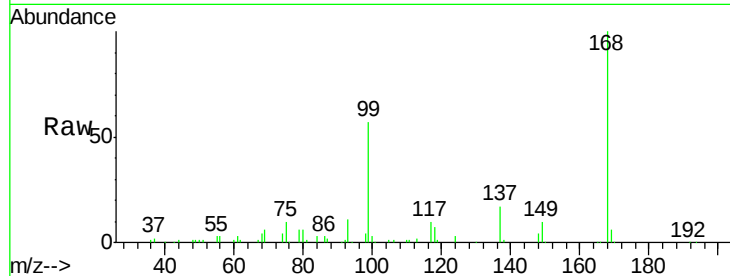
Tot Ion: 75 Resp: 49472

Ion Ratio Lower Upper

75 100

110 6.6 16.1 48.2#

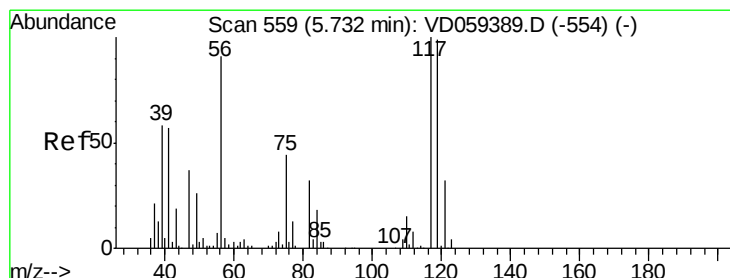
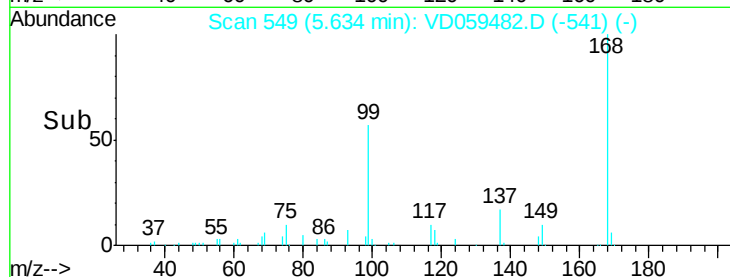
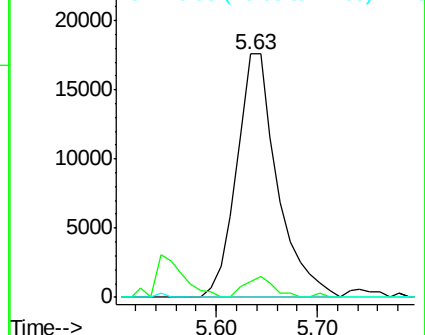
77 0.0 23.4 35.2#



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: 6.472 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

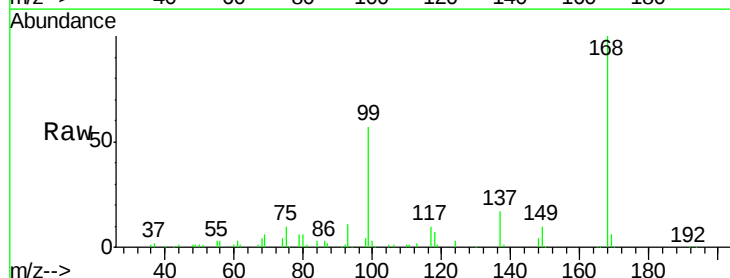
Tgt Ion: 117 Resp: 46820

Ion Ratio Lower Upper

117 100

119 5.5 76.6 115.0#

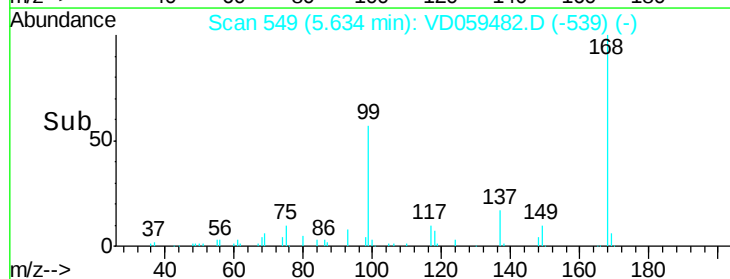
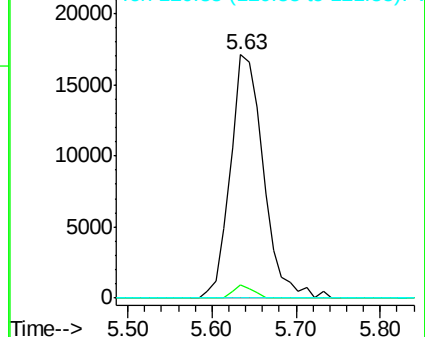
121 0.0 25.0 37.4#

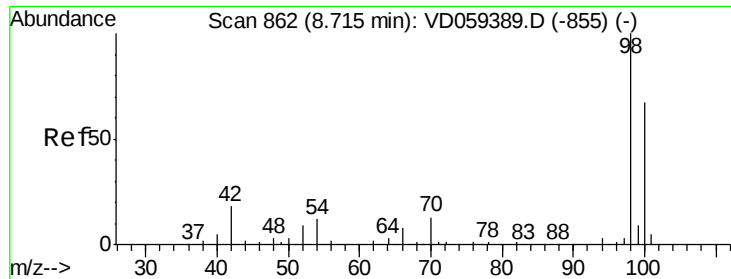


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

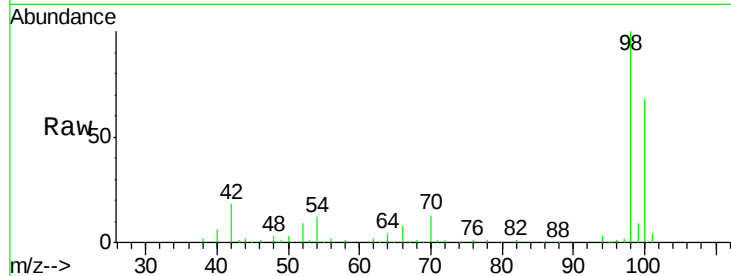




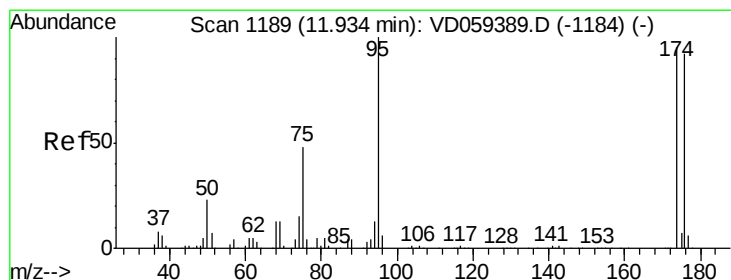
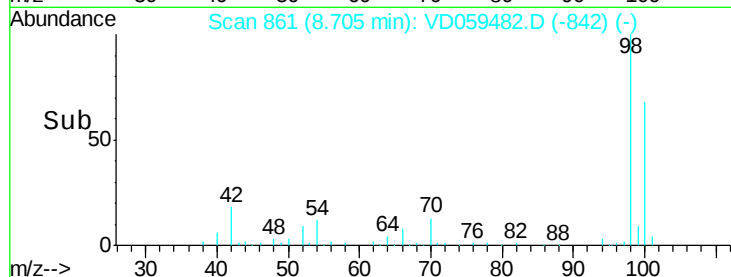
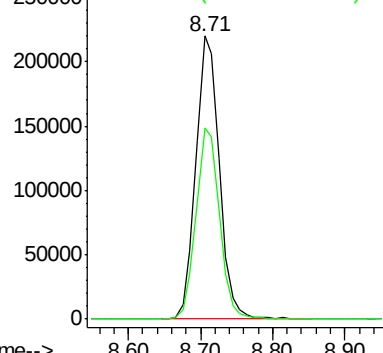
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 495569
Ion Ratio Lower Upper
98 100
100 67.6 54.4 81.6

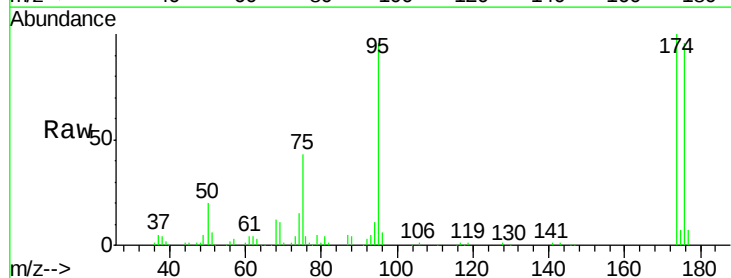


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

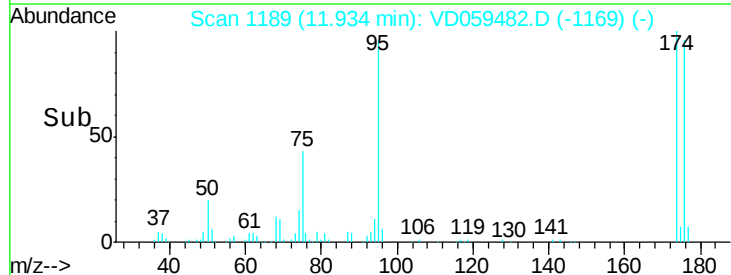
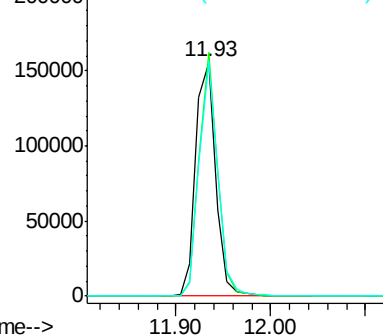


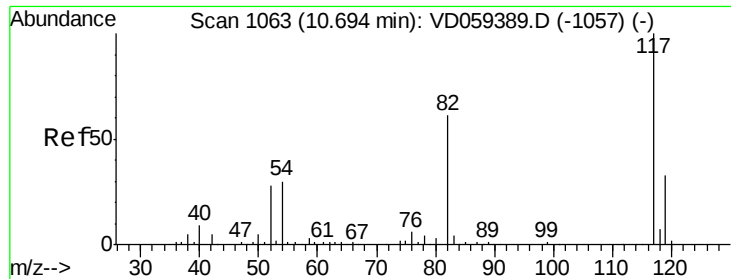
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Tgt Ion: 95 Resp: 228039
Ion Ratio Lower Upper
95 100
174 104.2 0.0 190.4
176 100.4 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)

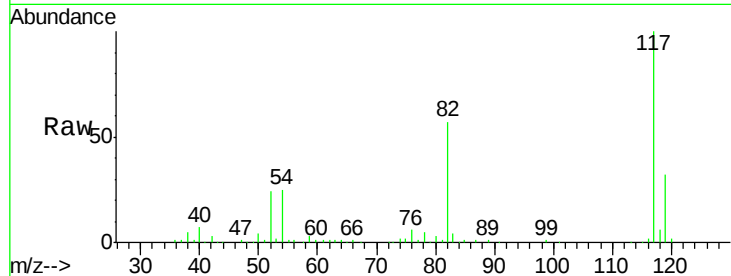




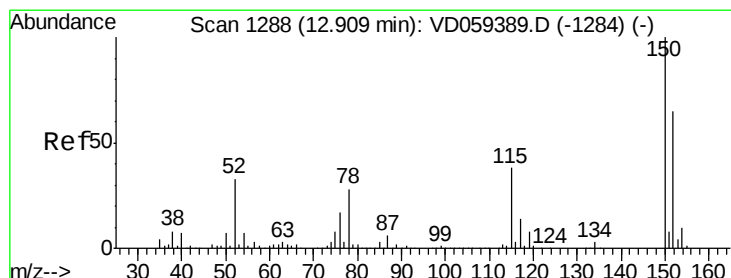
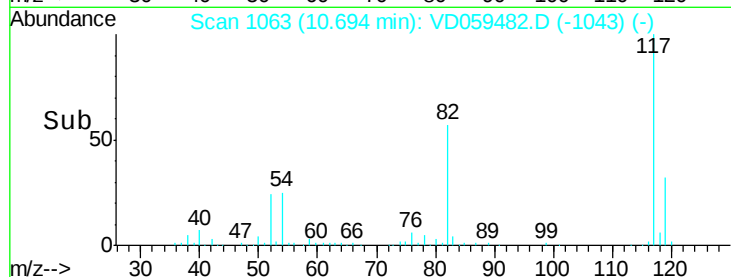
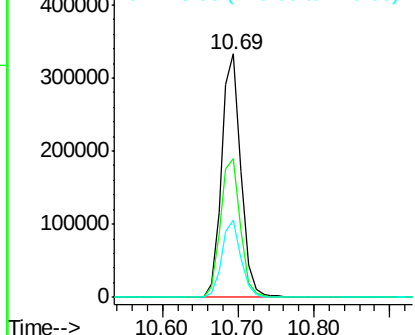
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 590026
Ion Ratio Lower Upper
117 100
82 57.1 49.0 73.6
119 31.6 26.2 39.4

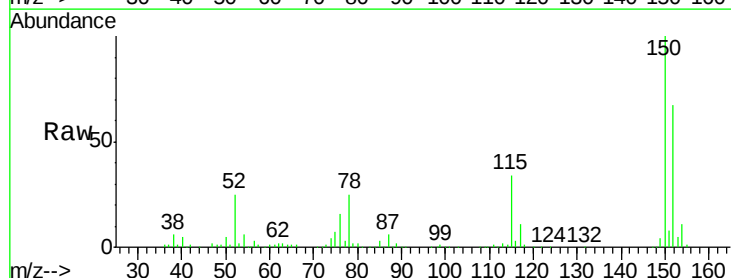


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

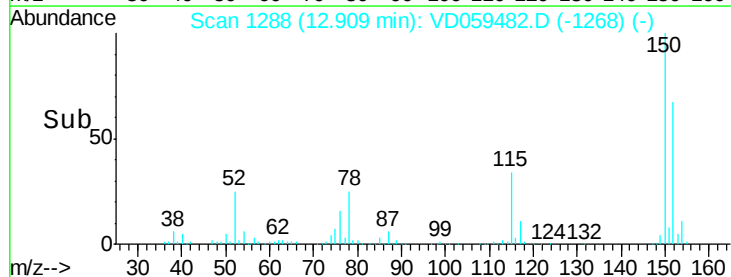
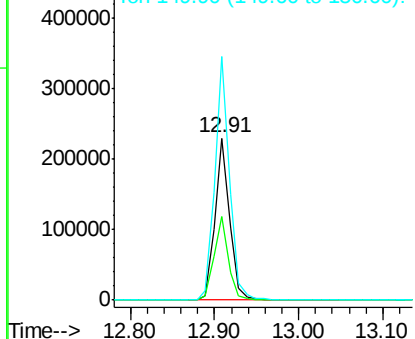


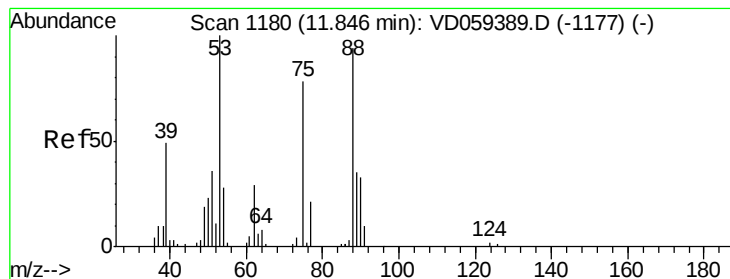
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059482.D
Acq: 29 Jun 2018 00:25

Tgt Ion:152 Resp: 274816
Ion Ratio Lower Upper
152 100
115 51.2 29.4 88.3
150 150.2 0.0 308.2



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: 123.617 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059482.D

Acq: 29 Jun 2018 00:25

Instrument :

MSVOA_D

ClientSampleId :

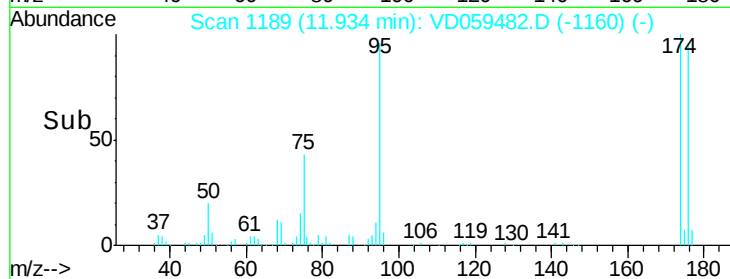
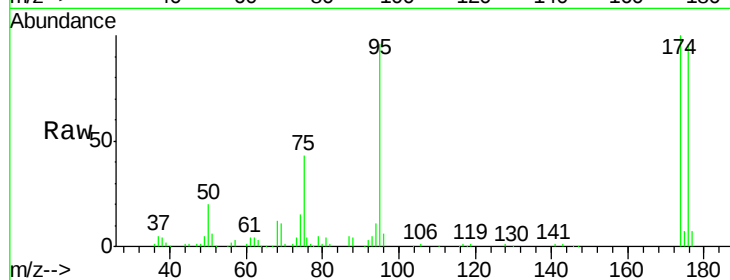
Tot Ion: 75 Resp: 106506

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

