

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058245.D
 Acq On : 21 Jun 2018 9:46
 Operator : VA/AP
 Sample : J3603-21
 Misc : 4.62g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-6

Quant Time: Jun 21 11:19:52 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	5.66	168	28440	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	41244	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	33095	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	14162	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	29980	104.36	ug/l	0.02
Spiked Amount			Recovery	=	208.72%	
35) Dibromofluoromethane	5.56	113	23100	68.81	ug/l	0.01
Spiked Amount			Recovery	=	137.62%	
50) Toluene-d8	8.72	98	37349	45.99	ug/l	0.01
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.94	95	14707	44.33	ug/l	0.01
Spiked Amount			Recovery	=	88.66%	

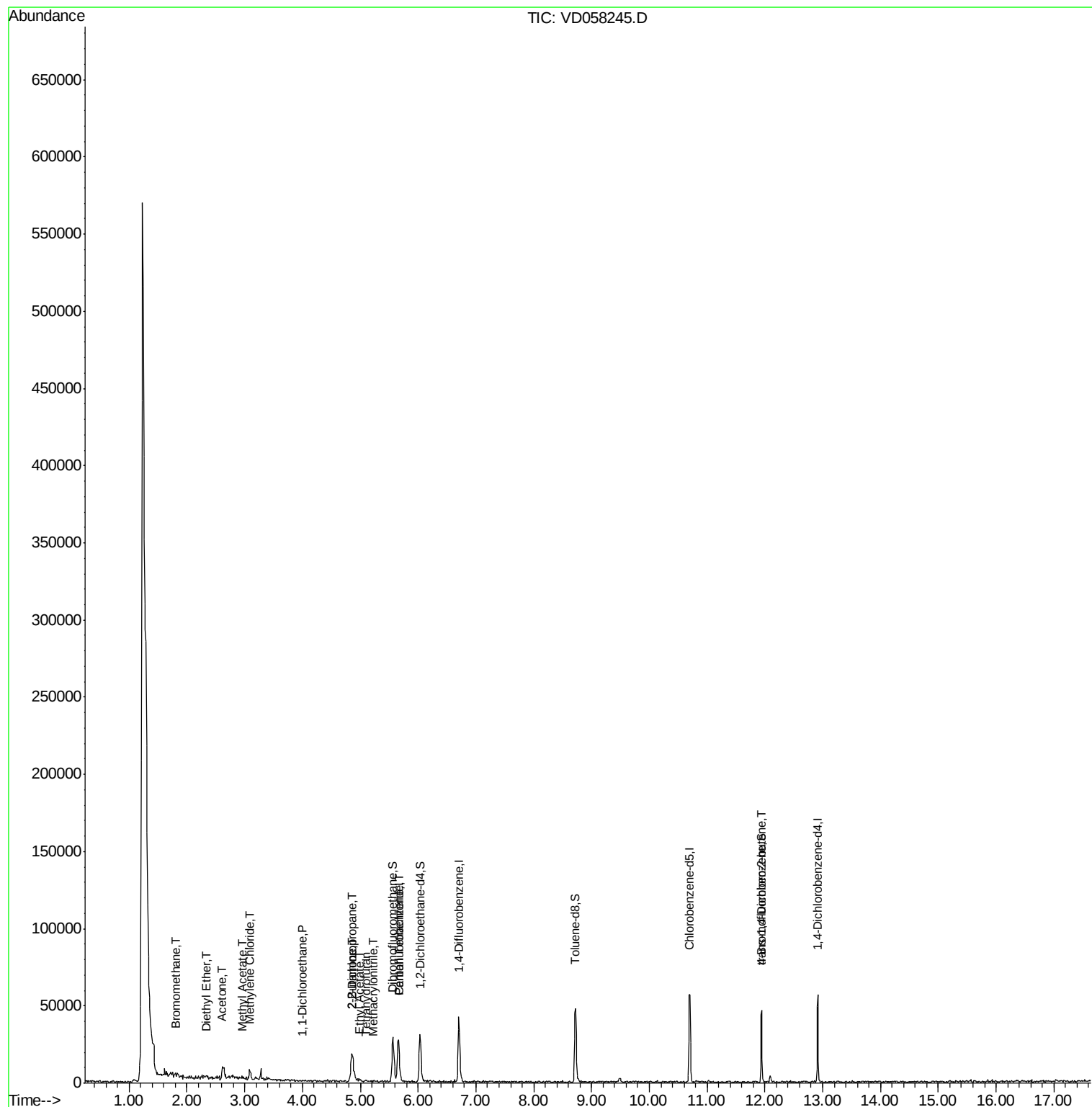
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.57	50	192	Below Cal	#	43
5) Bromomethane	1.81	94	288	4.66	ug/l #	3
8) Diethyl Ether	2.34	74	189	4.37	ug/l	59
16) Acetone	2.62	43	17182	437.36	ug/l	99
18) Methyl Acetate	2.95	43	1195	14.26	ug/l #	65
20) Methylene Chloride	3.08	84	1824	14.39	ug/l #	44
24) 1,1-Dichloroethane	4.01	63	502	1.03	ug/l #	90
25) 2-Butanone	4.86	43	1336	15.60	ug/l #	60
26) 2,2-Dichloropropane	4.85	77	1468	3.60	ug/l #	55
29) Tetrahydrofuran	5.09	42	181	3.97	ug/l #	7
31) Cyclohexane	5.64	56	211	Below Cal	#	11
37) Ethyl Acetate	4.98	43	631	2.71	ug/l #	72
38) Carbon Tetrachloride	5.66	117	1980	4.88	ug/l #	11
41) Methacrylonitrile	5.23	41	187	1.67	ug/l #	30
81) trans-1,4-Dichloro-2-buten	11.93	75	6444	127.78	ug/l #	1

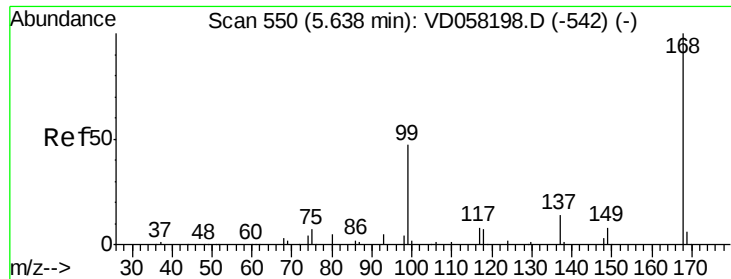
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

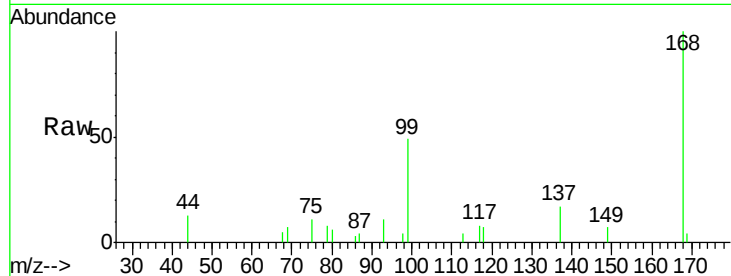
26KV-TP-6

Tot Ion:168 Resp: 28440

Ion Ratio Lower Upper

168 100

99 49.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

12000

10000

8000

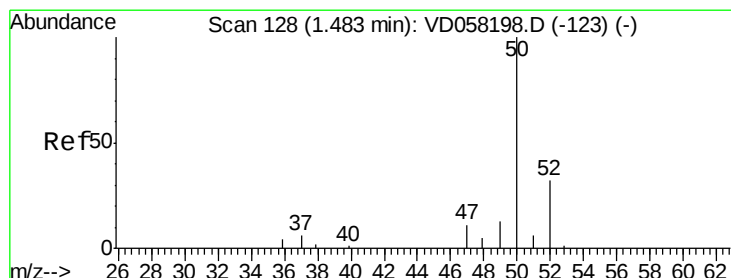
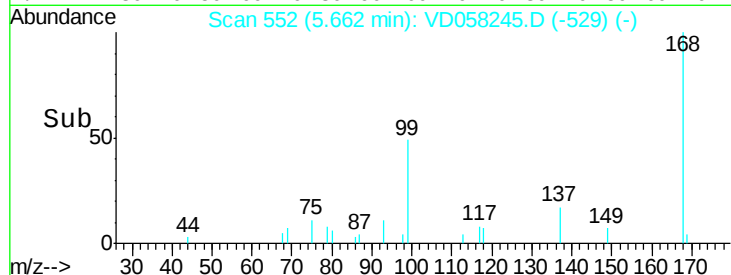
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.57 min Scan# 136

Delta R.T. 0.08 min

Lab File: VD058245.D

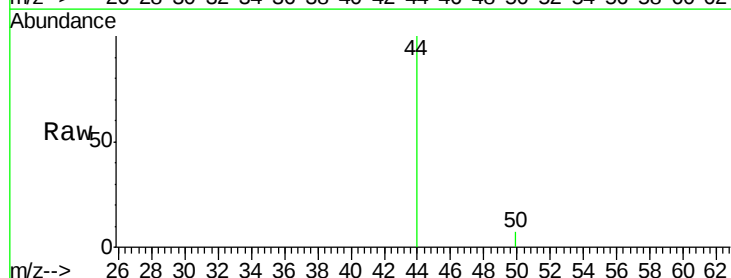
Acq: 21 Jun 2018 9:46

Tgt Ion: 50 Resp: 192

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

1.57

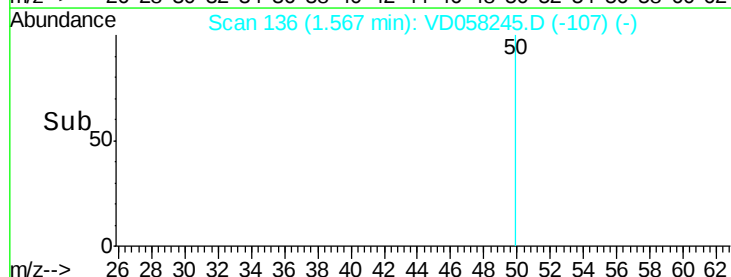
300

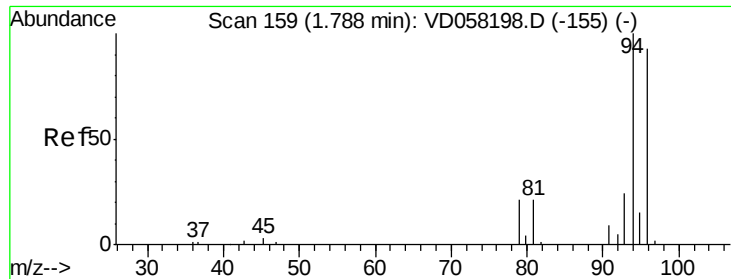
200

100

0

Time-->

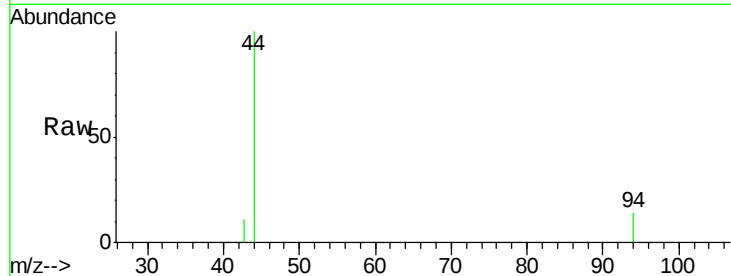




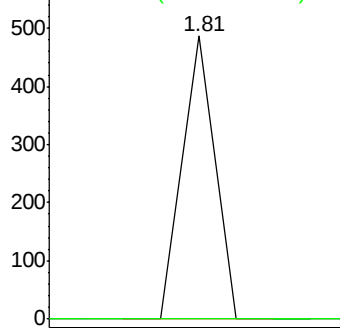
#5
Bromomethane
Concen: 4.66 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Instrument :
MSVOA_D
ClientSampled :
26KV-TP-6

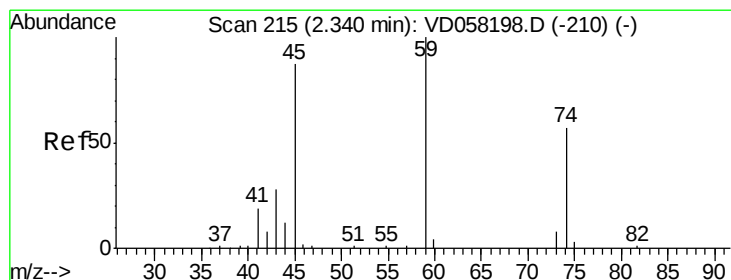
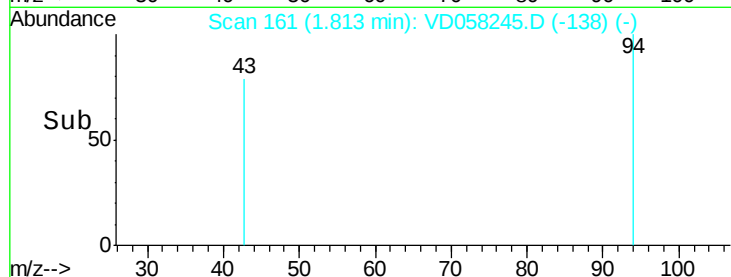
Tot Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

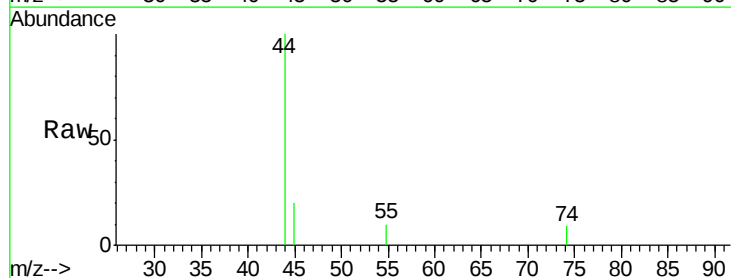


Time-->

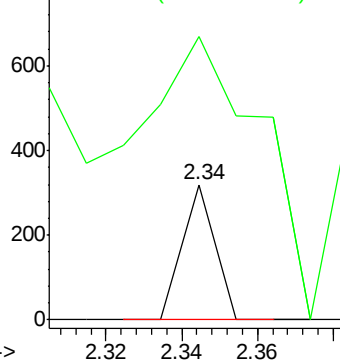


#8
Diethyl Ether
Concen: 4.37 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

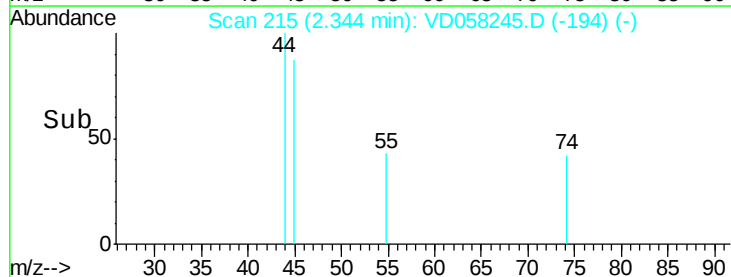
Tgt Ion: 74 Resp: 189
Ion Ratio Lower Upper
74 100
45 208.8 77.5 232.6

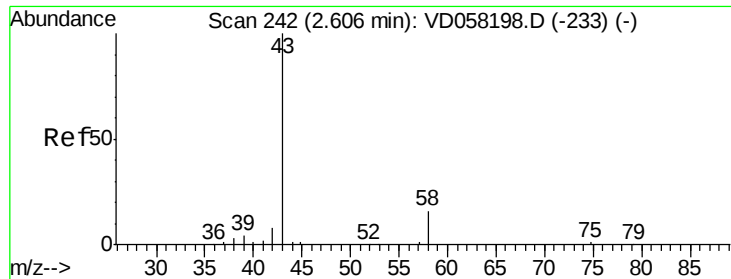


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#16

Acetone

Concen: 437.36 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampled :

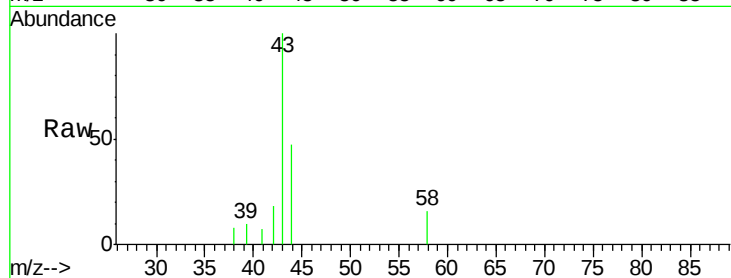
26KV-TP-6

Tot Ion: 43 Resp: 17182

Ion Ratio Lower Upper

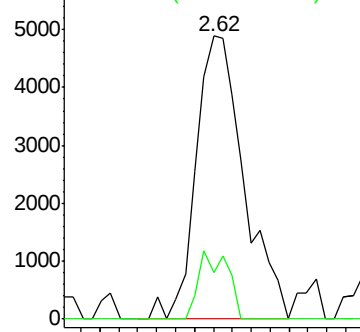
43 100

58 16.3 12.7 19.1

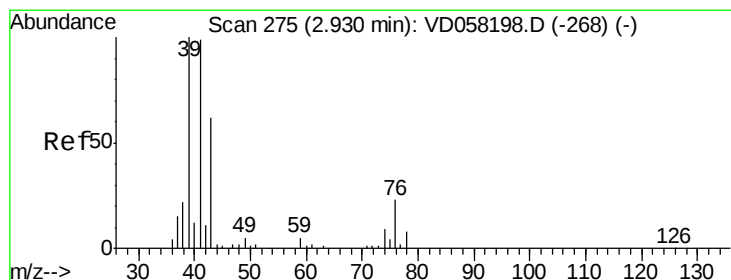
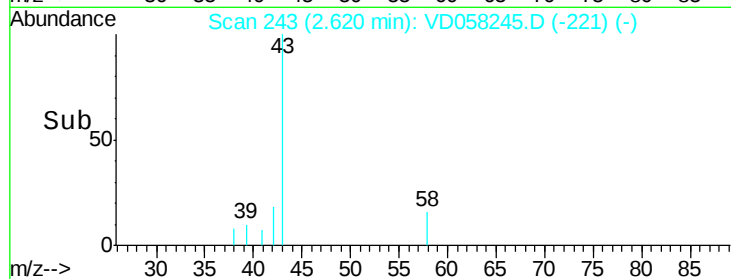


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#18

Methyl Acetate

Concen: 14.26 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058245.D

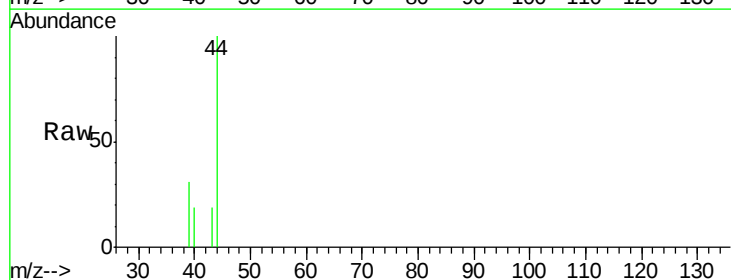
Acq: 21 Jun 2018 9:46

Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

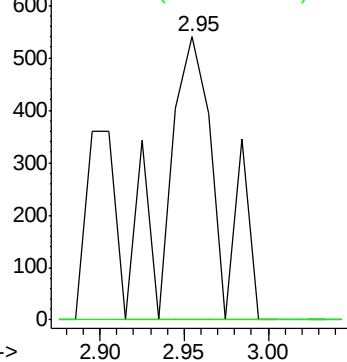
43 100

74 0.0 11.7 17.5#

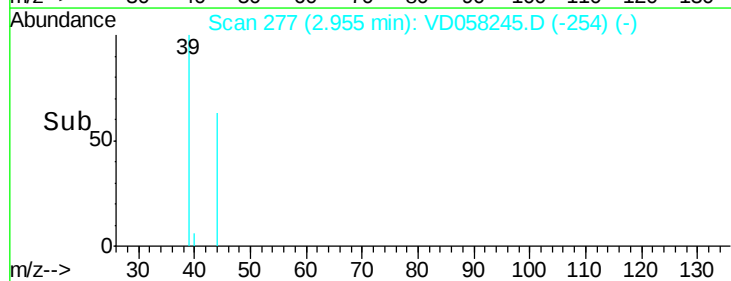


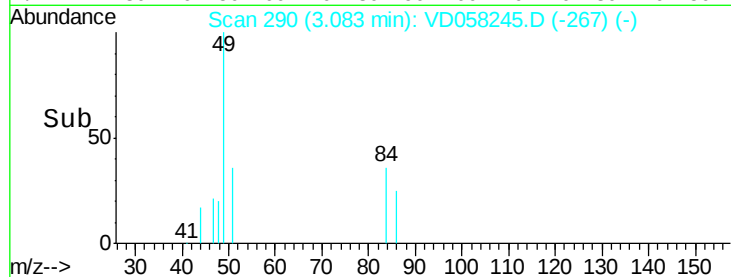
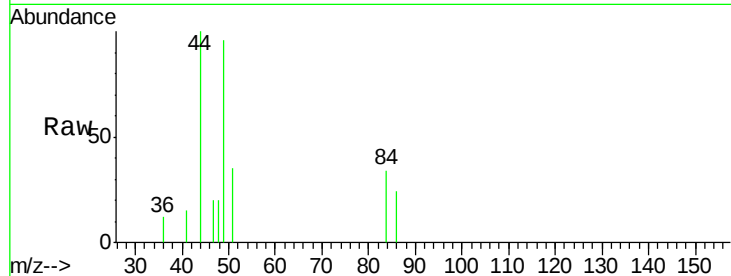
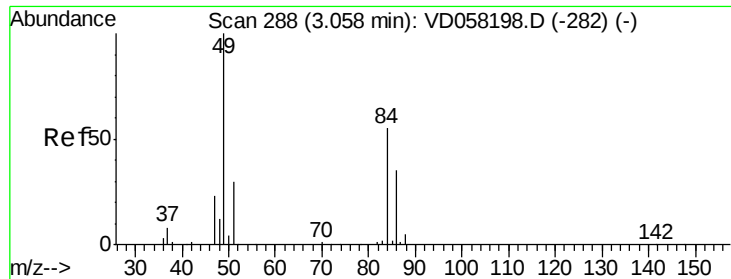
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

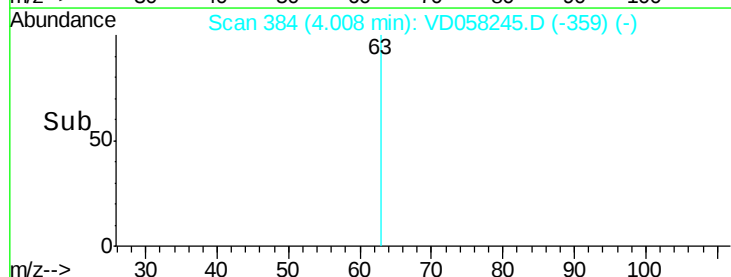
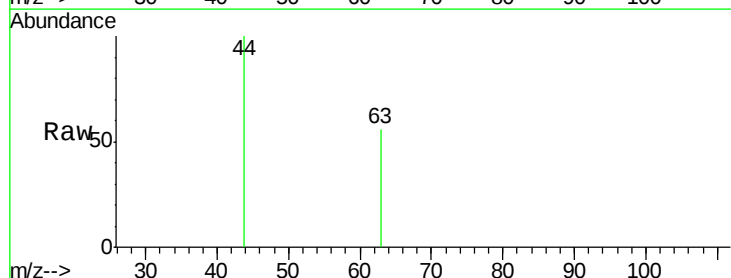
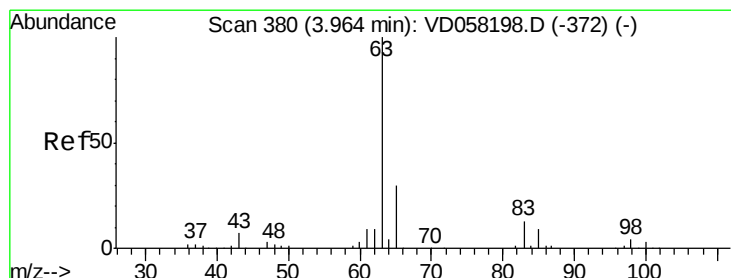
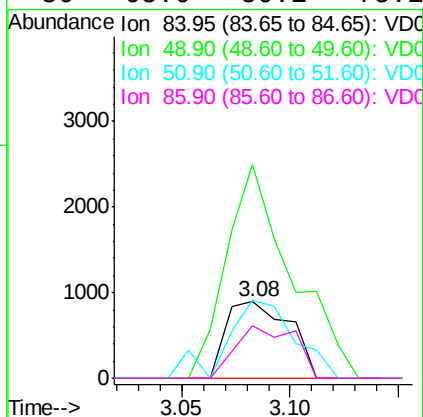




#20
Methvlene Chloride
Concen: 14.39 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

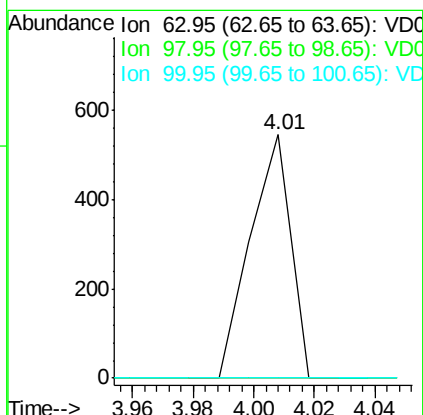
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-6

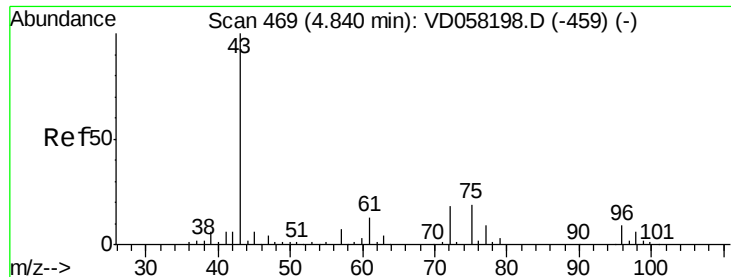
Tot Ion: 84 Resp: 1824
Ion Ratio Lower Upper
84 100
49 279.8 145.0 217.6#
51 101.8 42.9 64.3#
86 68.6 50.1 75.1



#24
1,1-Dichloroethane
Concen: 1.03 ug/l
RT: 4.01 min Scan# 384
Delta R.T. 0.04 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Tgt Ion: 63 Resp: 502
Ion Ratio Lower Upper
63 100
98 0.0 1.9 5.7#
100 0.0 1.3 3.9#





#25

2-Butanone

Concen: 15.60 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

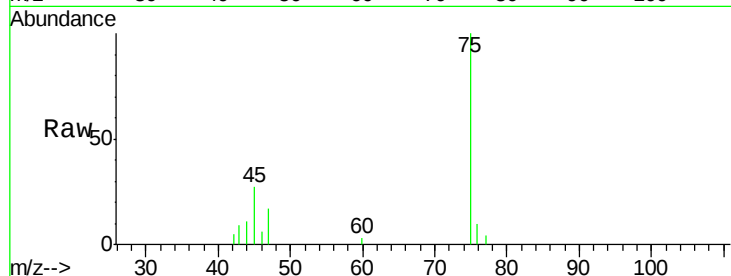
26KV-TP-6

Tot Ion: 43 Resp: 1336

Ion Ratio Lower Upper

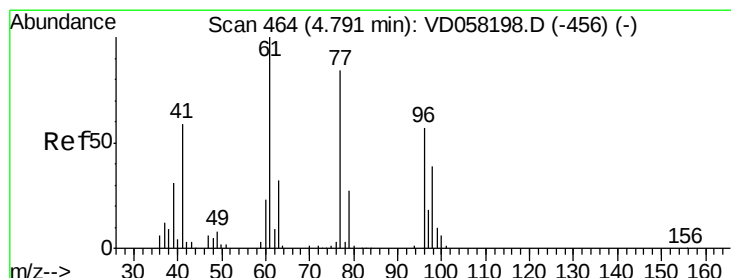
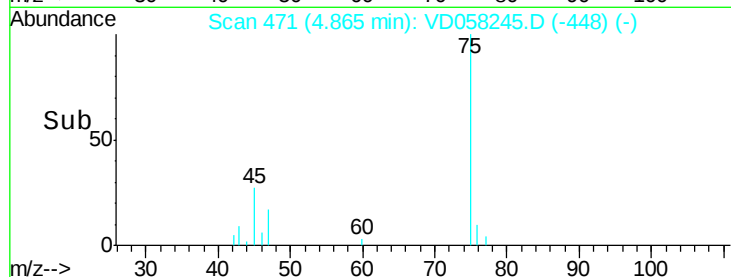
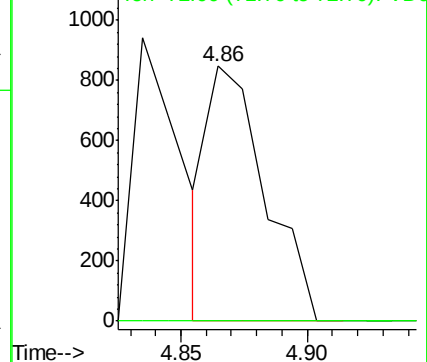
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.60 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.06 min

Lab File: VD058245.D

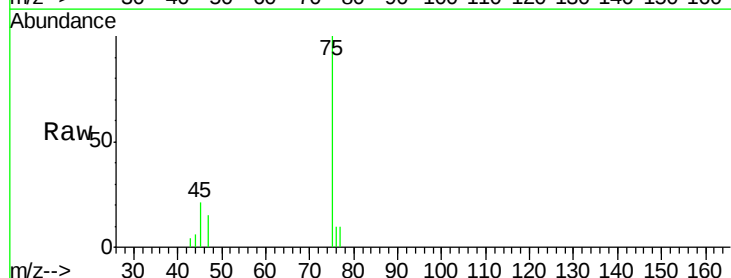
Acq: 21 Jun 2018 9:46

Tgt Ion: 77 Resp: 1468

Ion Ratio Lower Upper

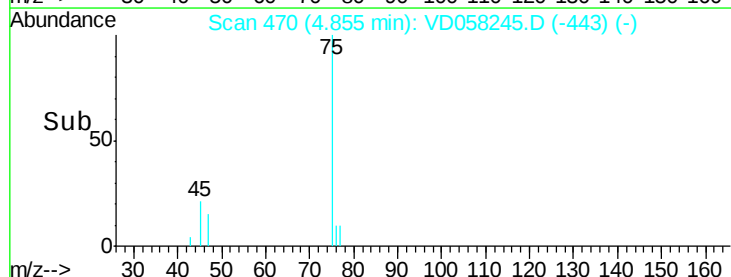
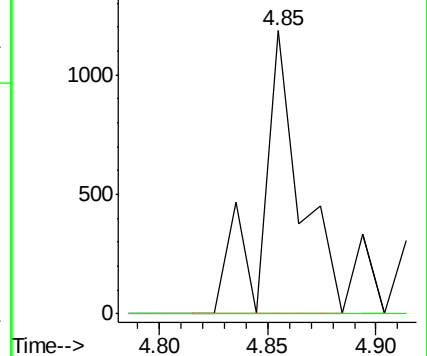
77 100

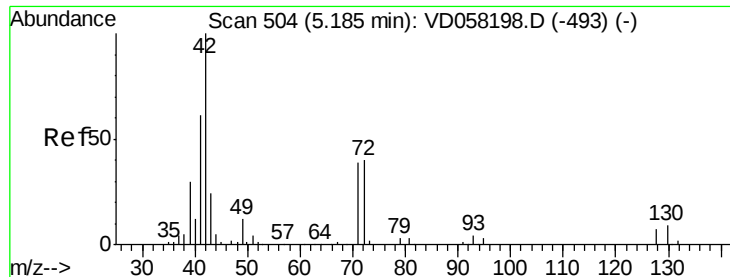
97 0.0 10.5 31.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#29

Tetrahydrofuran

Concen: 3.97 ug/l

RT: 5.09 min Scan# 494

Delta R.T. -0.09 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-6

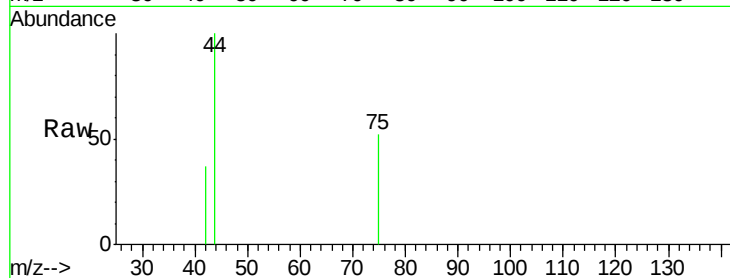
Tot Ion: 42 Resp: 181

Ion Ratio Lower Upper

42 100

72 112.2 30.2 45.2#

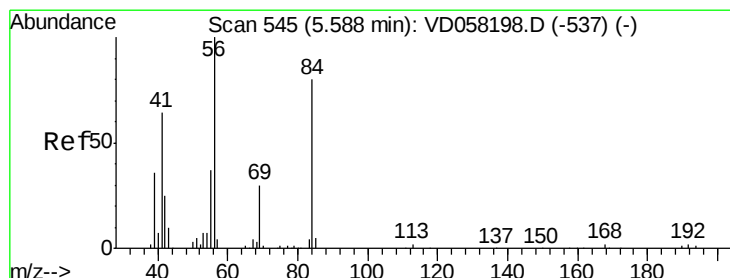
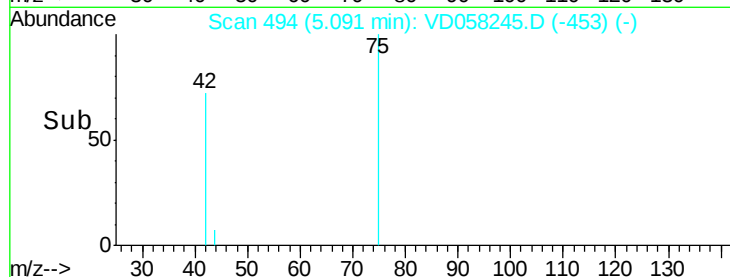
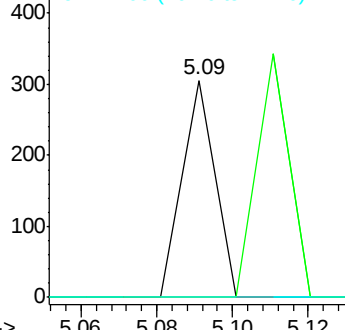
71 0.0 30.1 45.1#



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



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

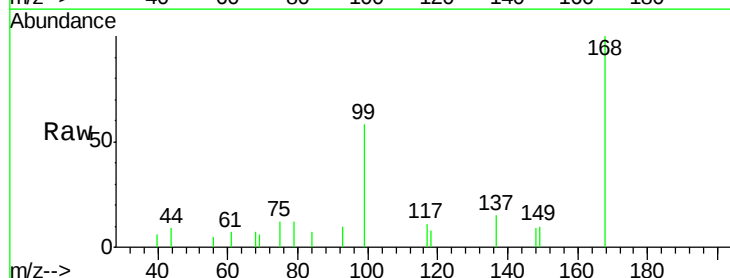
Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

69 111.2 23.6 35.4#

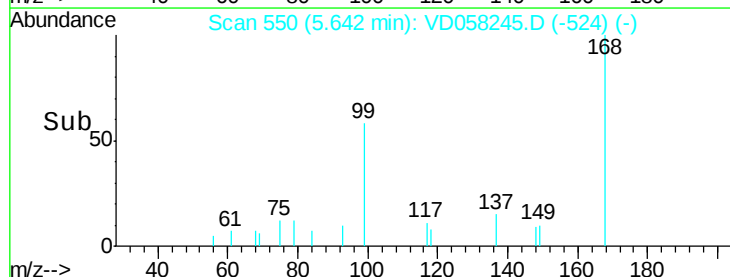
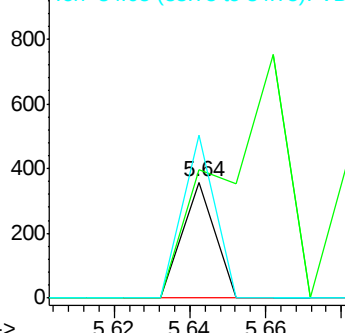
84 140.6 65.2 97.8#

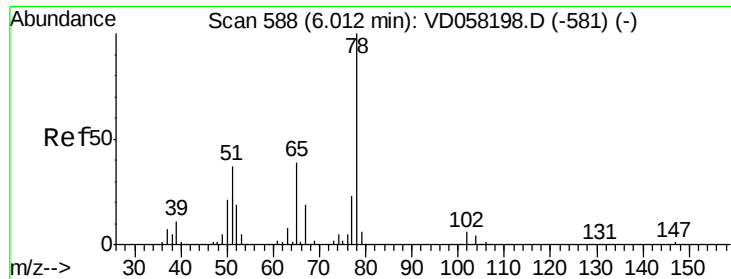


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

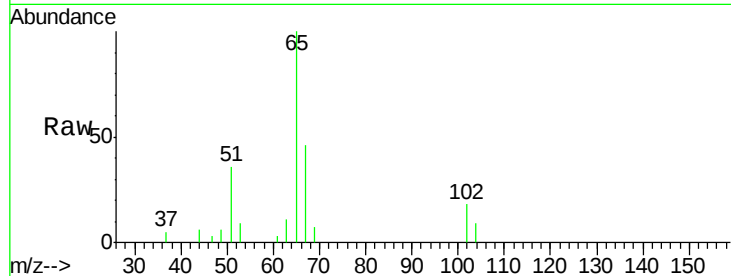
26KV-TP-6

Tot Ion: 65 Resp: 29980

Ion Ratio Lower Upper

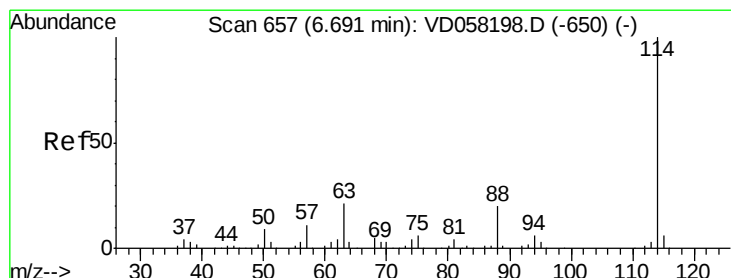
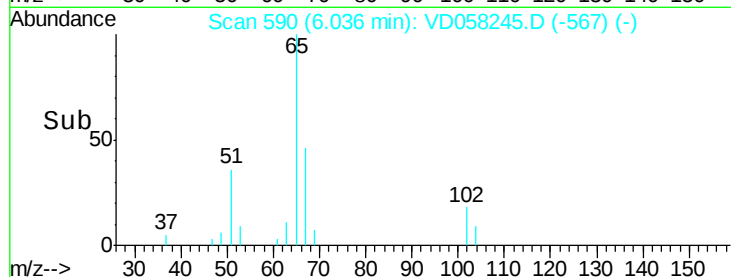
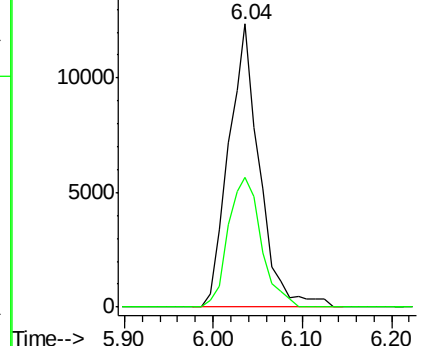
65 100

67 45.9 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: 50.00 ug/l

RT: 6.71 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

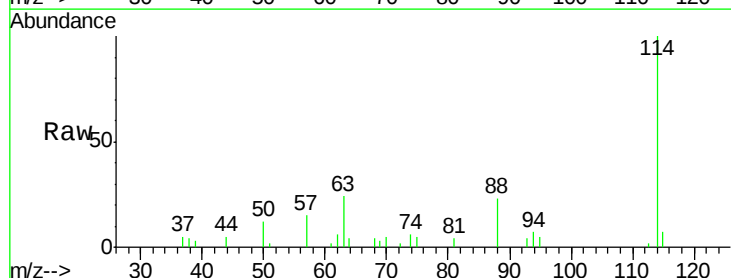
Tgt Ion: 114 Resp: 41244

Ion Ratio Lower Upper

114 100

63 23.8 0.0 42.6

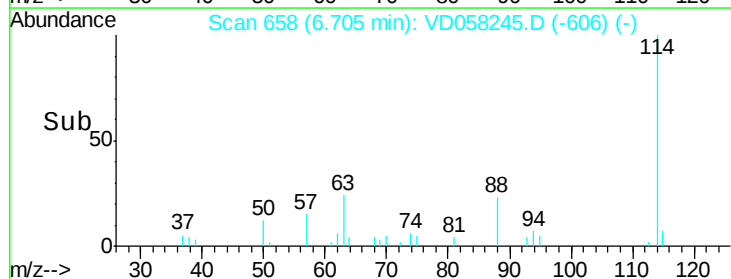
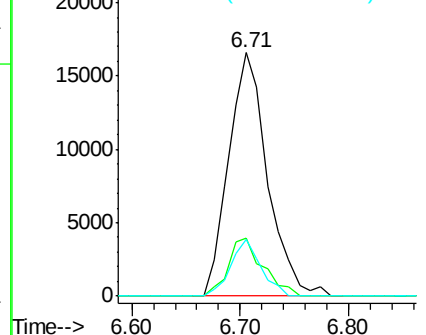
88 23.4 0.0 40.6

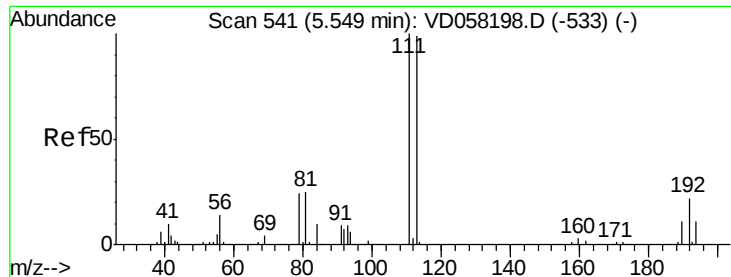


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-6

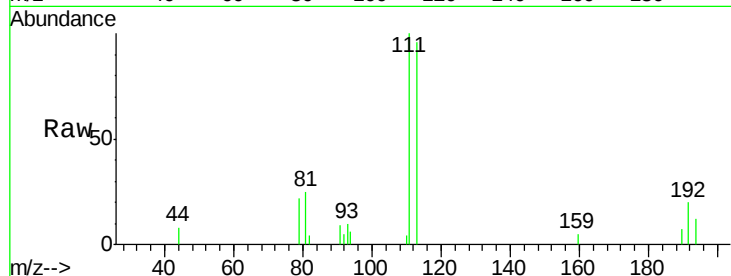
Tot Ion:113 Resp: 23100

Ion Ratio Lower Upper

113 100

111 104.1 80.6 121.0

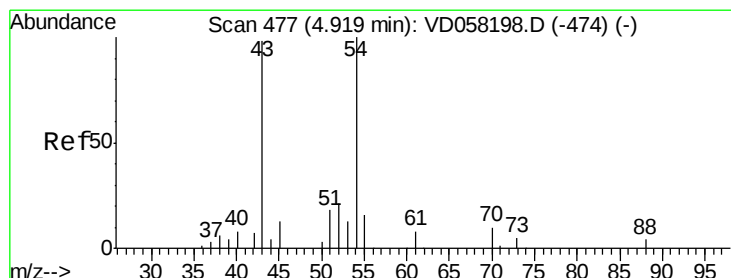
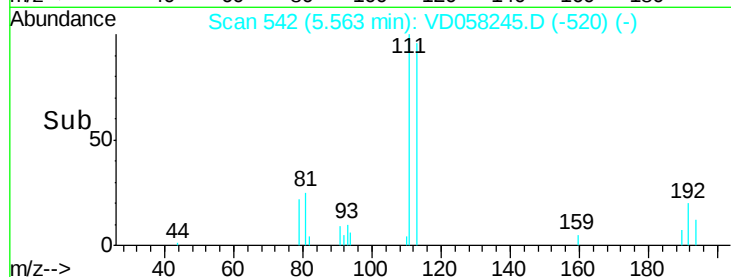
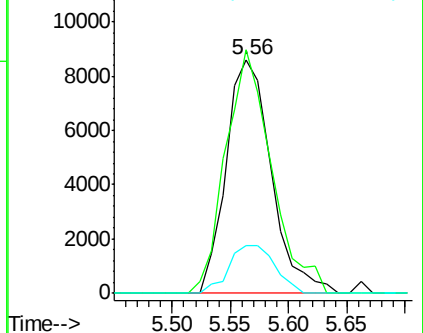
192 20.5 17.8 26.6



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



#37

Ethyl Acetate

Concen: 2.71 ug/l

RT: 4.98 min Scan# 483

Delta R.T. 0.06 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

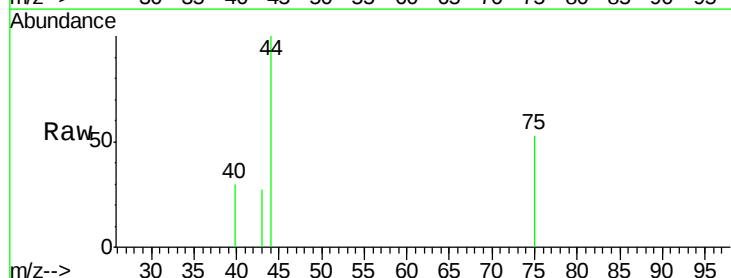
Tgt Ion: 43 Resp: 631

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

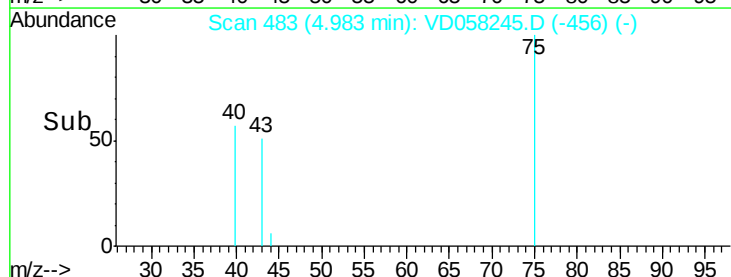
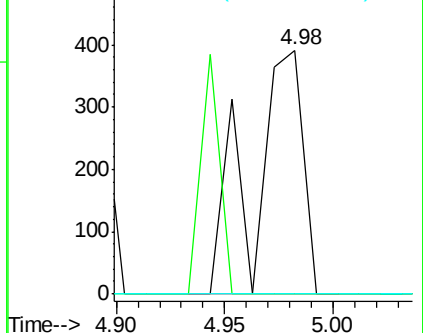
70 0.0 5.7 8.5#

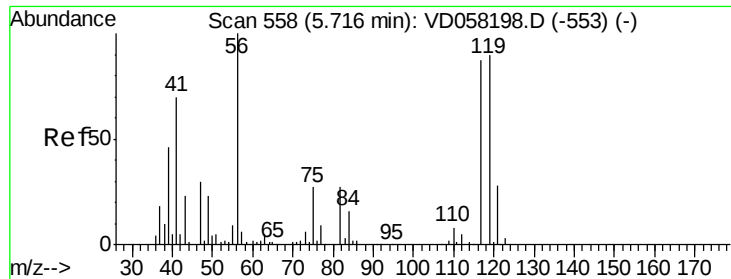


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.88 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-6

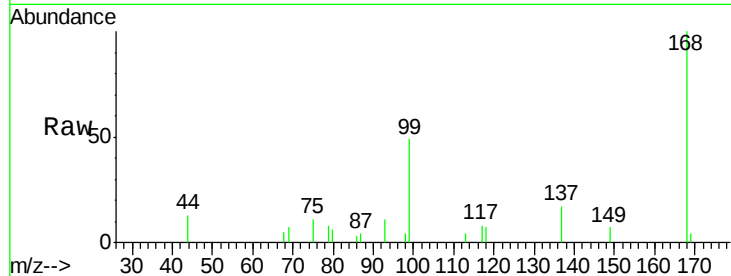
Tot Ion:117 Resp: 1980

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

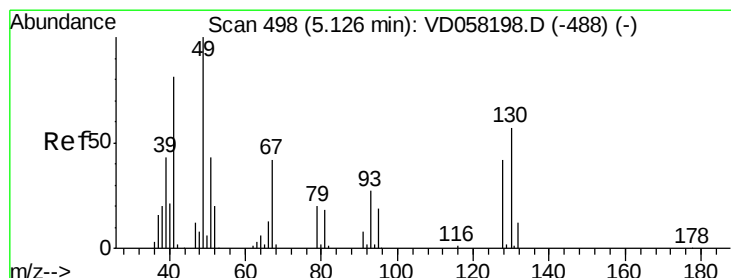
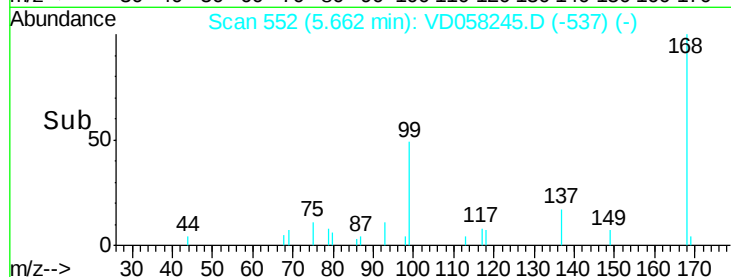
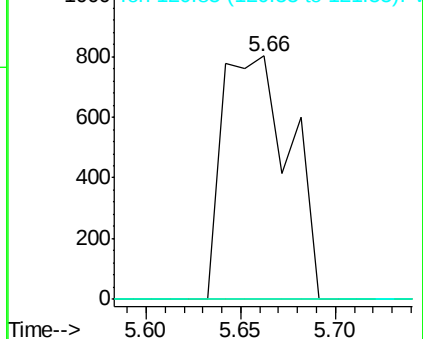
121 0.0 25.0 37.6#



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: 1.67 ug/l

RT: 5.23 min Scan# 508

Delta R.T. 0.10 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Tgt Ion: 41 Resp: 187

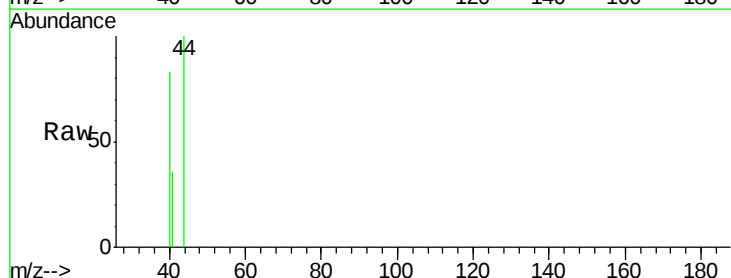
Ion Ratio Lower Upper

41 100

39 0.0 43.4 65.2#

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#

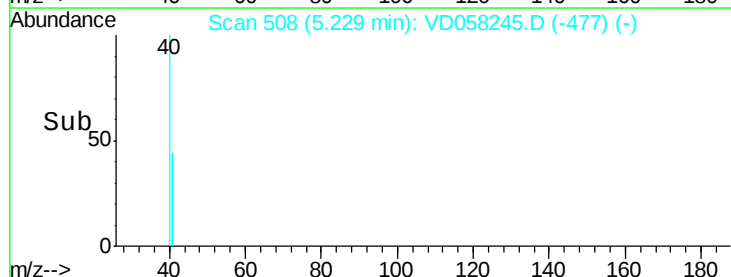
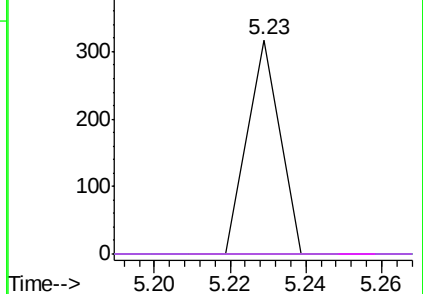


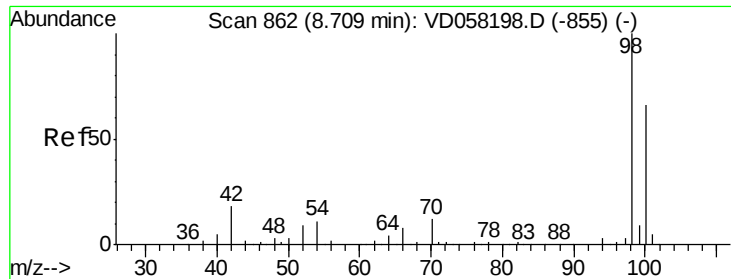
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

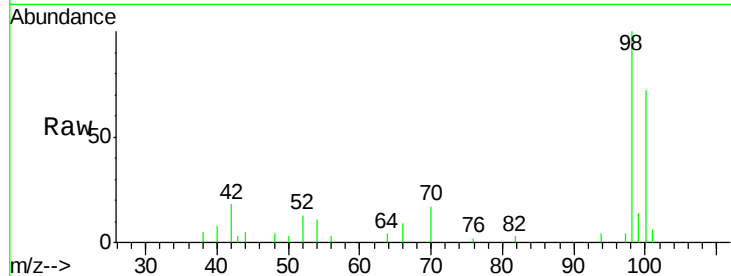




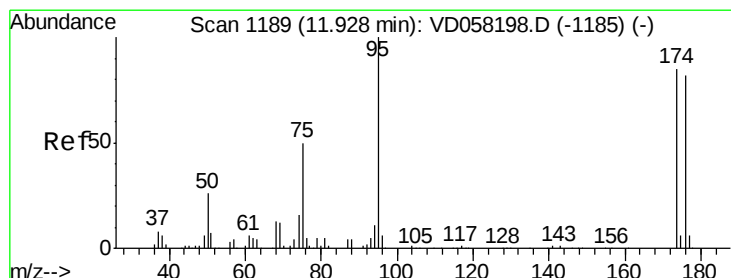
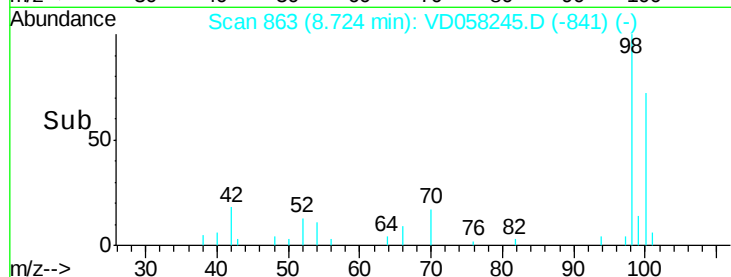
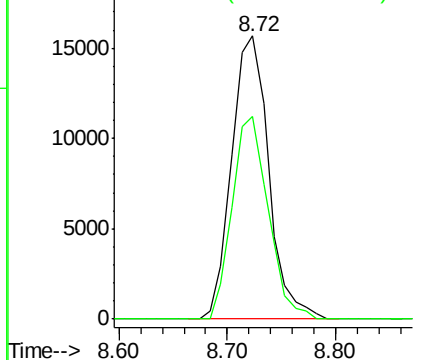
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-6

Tot Ion: 98 Resp: 37349
Ion Ratio Lower Upper
98 100
100 71.5 53.6 80.4

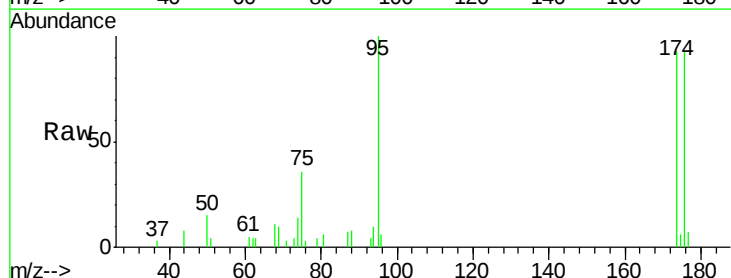


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

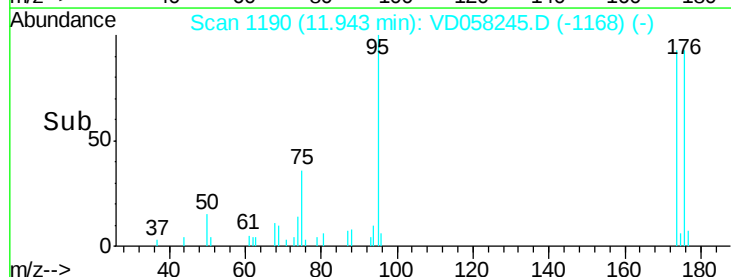
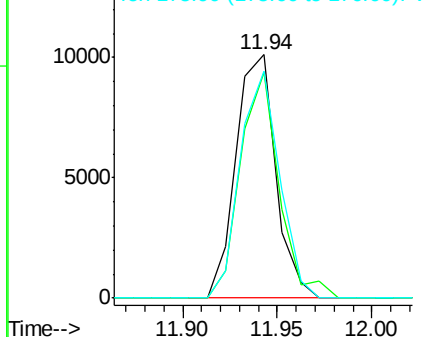


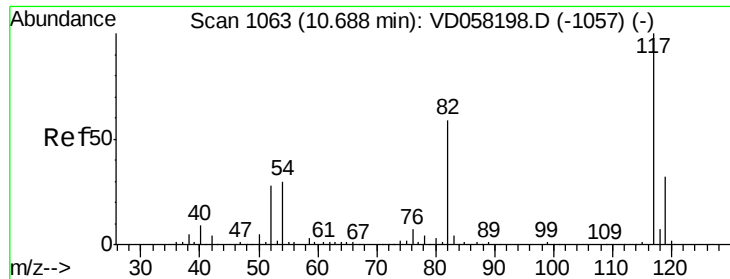
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Tgt Ion: 95 Resp: 14707
Ion Ratio Lower Upper
95 100
174 92.9 0.0 170.2
176 93.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

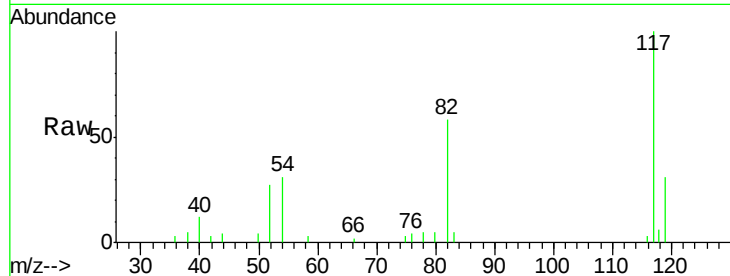




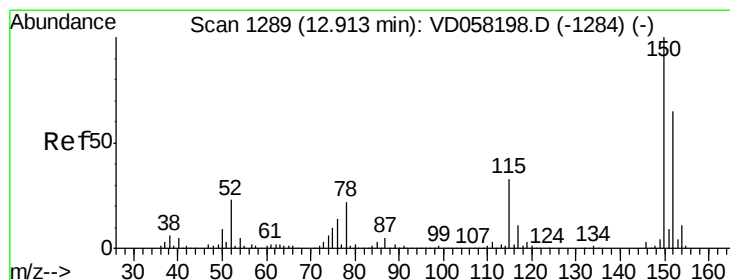
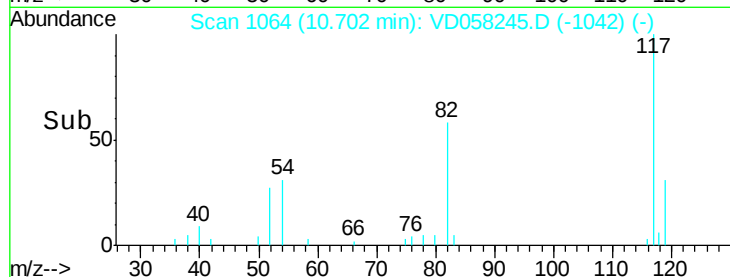
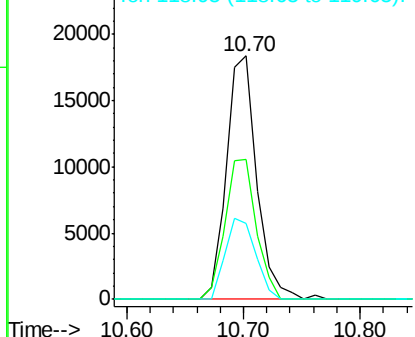
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-6

Tot Ion:117 Resp: 33095
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.6
119 31.4 25.3 37.9

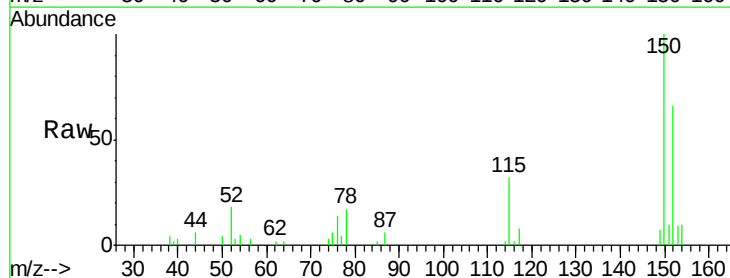


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

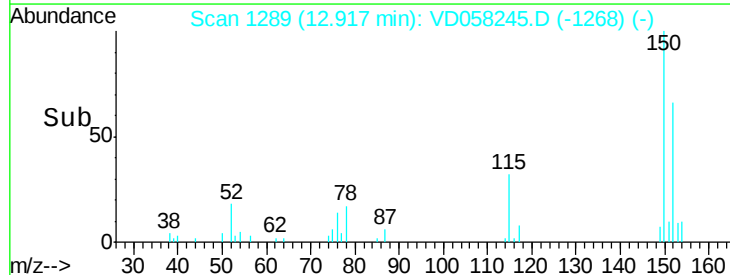
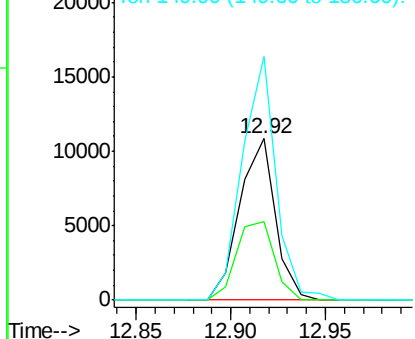


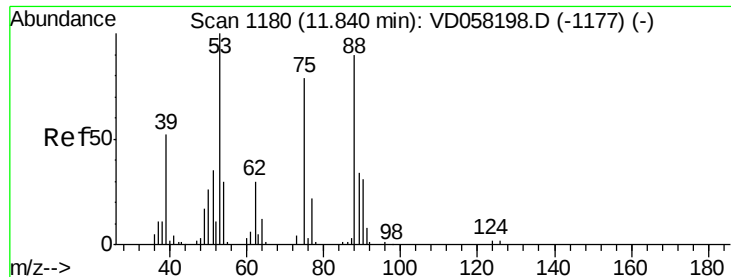
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058245.D
Acq: 21 Jun 2018 9:46

Tgt Ion:152 Resp: 14162
Ion Ratio Lower Upper
152 100
115 48.3 25.1 75.3
150 151.1 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: 127.78 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058245.D

Acq: 21 Jun 2018 9:46

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-6

Tot Ion: 75 Resp: 6444

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#

