

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058265.D
 Acq On : 21 Jun 2018 21:15
 Operator : VA/AP
 Sample : J3603-17RE
 Misc : 3.83g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-8RE

Quant Time: Jun 22 06:17:30 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	510486	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	630674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	345180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	75519	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	291856	56.60	ug/l	0.01
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	5.55	113	319482	62.24	ug/l	0.00
Spiked Amount			Recovery	=	124.48%	
50) Toluene-d8	8.71	98	598761	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.93	95	118583	23.38	ug/l	0.00
Spiked Amount			Recovery	=	46.76%	

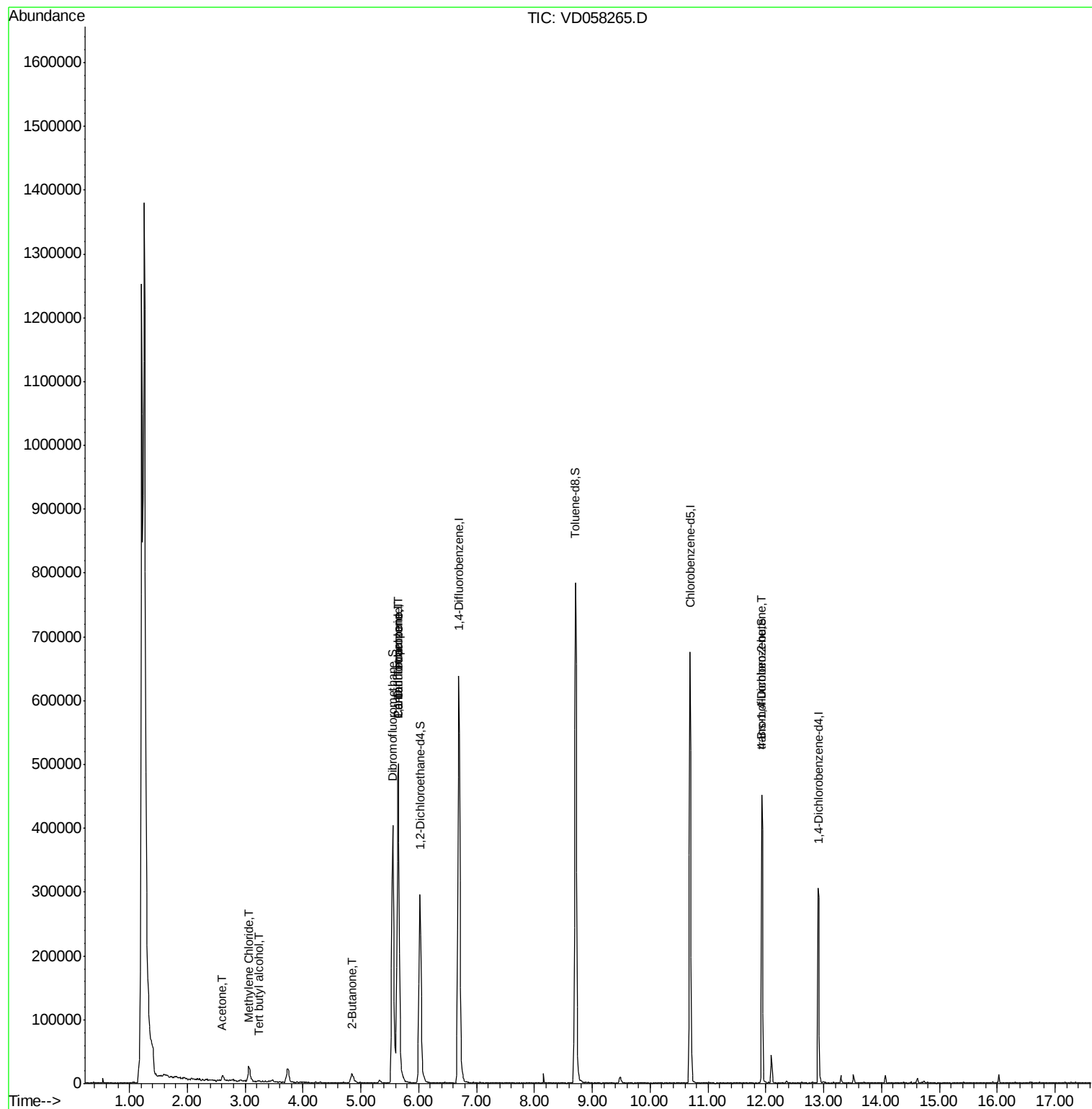
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	263	Below Cal	#	43
3) Chloromethane	1.61	50	269	Below Cal	#	43
11) Tert butyl alcohol	3.23	59	184	1.082	ug/l #	78
16) Acetone	2.61	43	20139	28.559	ug/l #	82
20) Methylene Chloride	3.08	84	11345	1.545	ug/l #	87
25) 2-Butanone	4.84	43	2510	1.633	ug/l #	60
31) Cyclohexane	5.64	56	11453	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	41355	6.628	ug/l #	50
38) Carbon Tetrachloride	5.65	117	41319	6.665	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	60873	226.364	ug/l #	1
82) 4-Chlorotoluene	12.33	91	290	Below Cal	#	45

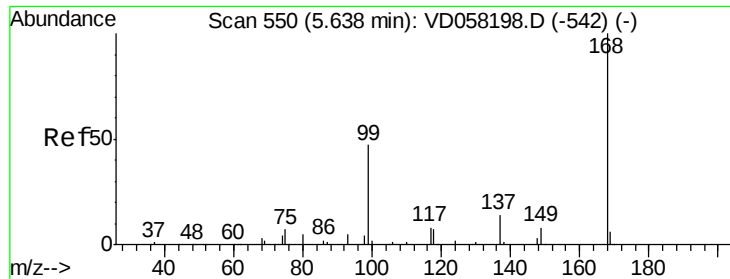
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
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Sample : J3603-17RE
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Quant Time: Jun 22 06:17:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

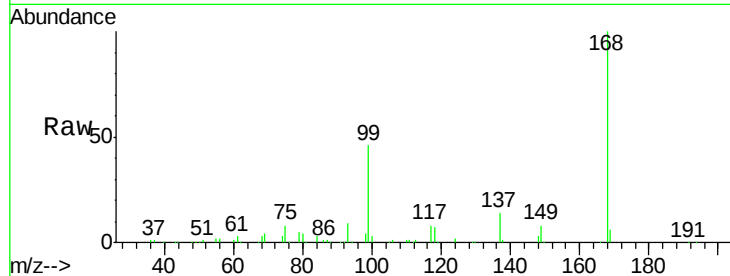
26KV-TP-8RE

Tot Ion:168 Resp: 510486

Ion Ratio Lower Upper

168 100

99 46.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

200000

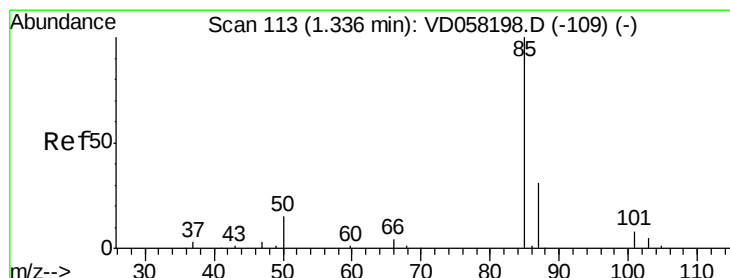
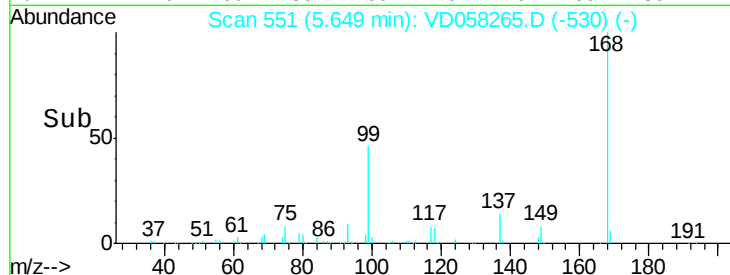
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058265.D

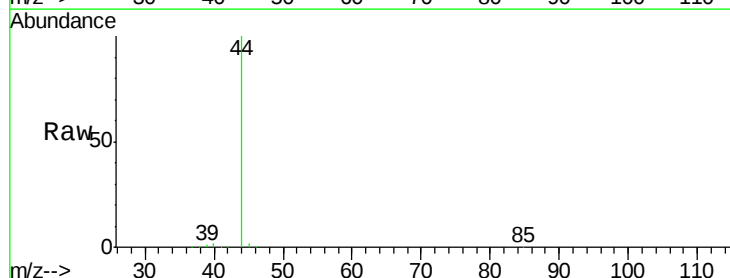
Acq: 21 Jun 2018 21:15

Tgt Ion: 85 Resp: 263

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

1.33

500

400

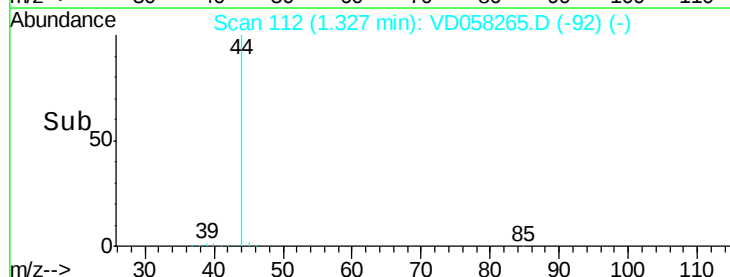
300

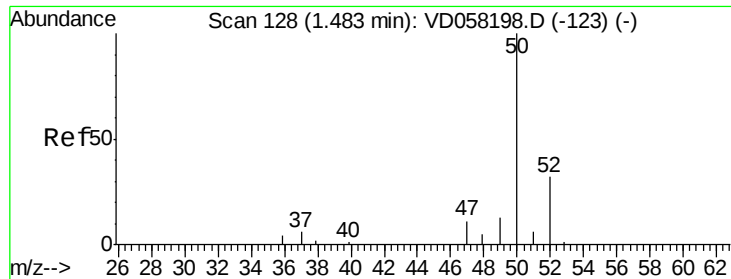
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.61 min Scan# 141

Delta R.T. 0.13 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

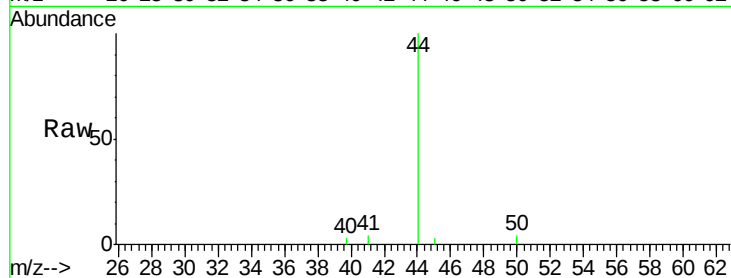
26KV-TP-8RE

Tot Ion: 50 Resp: 269

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

1.61

400

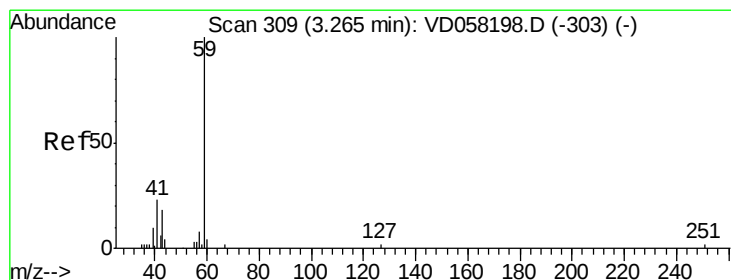
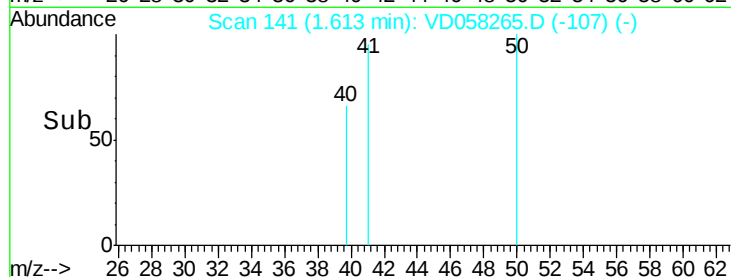
300

200

100

0

Time--> 1.58 1.60 1.62 1.64



#11

Tert butyl alcohol

Concen: 1.082 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.04 min

Lab File: VD058265.D

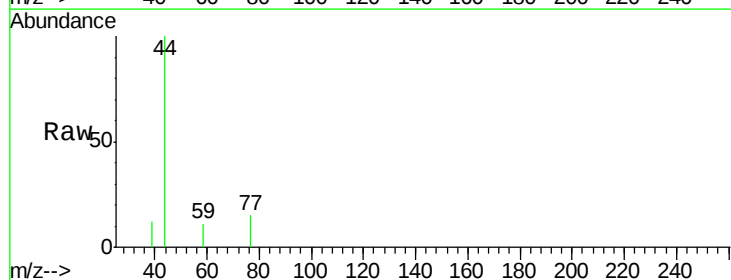
Acq: 21 Jun 2018 21:15

Tgt Ion: 59 Resp: 184

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

3.23

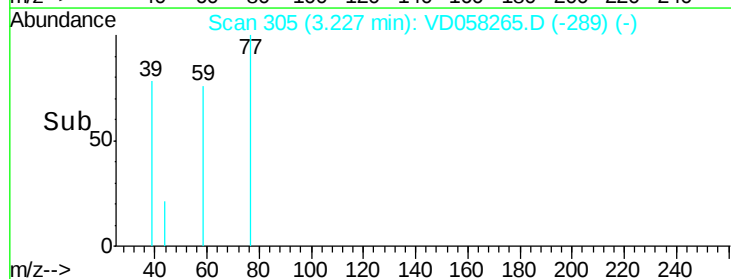
300

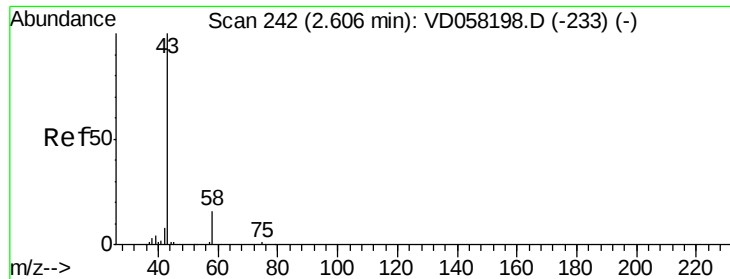
200

100

0

Time--> 3.20 3.22 3.24 3.26





#16

Acetone

Concen: 28.559 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

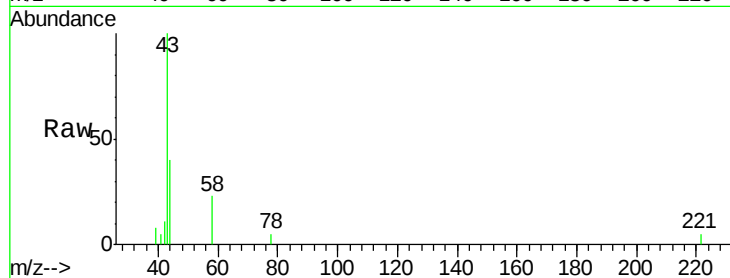
26KV-TP-8RE

Tot Ion: 43 Resp: 20139

Ion Ratio Lower Upper

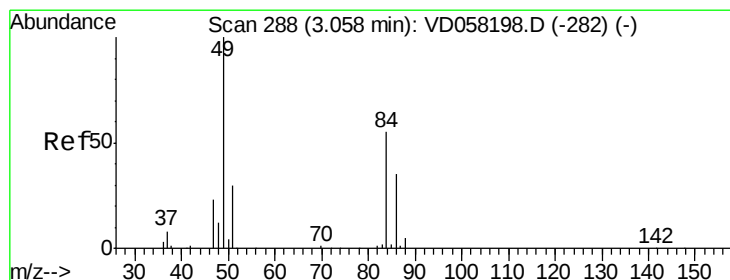
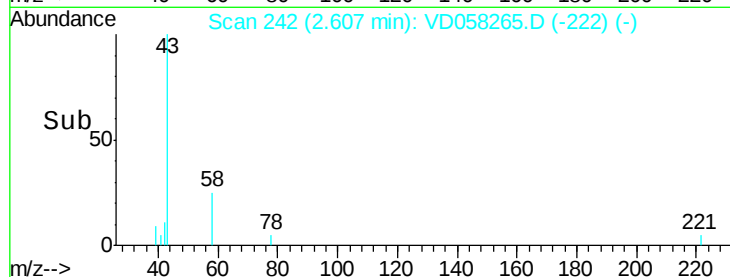
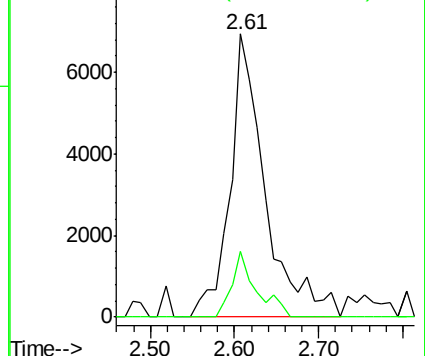
43 100

58 23.4 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: 1.545 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Tgt Ion: 84 Resp: 11345

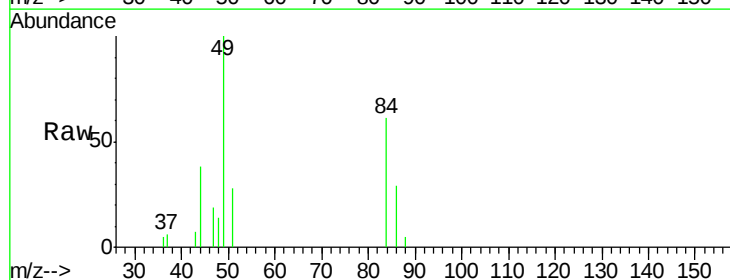
Ion Ratio Lower Upper

84 100

49 164.3 145.0 217.6

51 46.0 42.9 64.3

86 46.9 50.1 75.1#

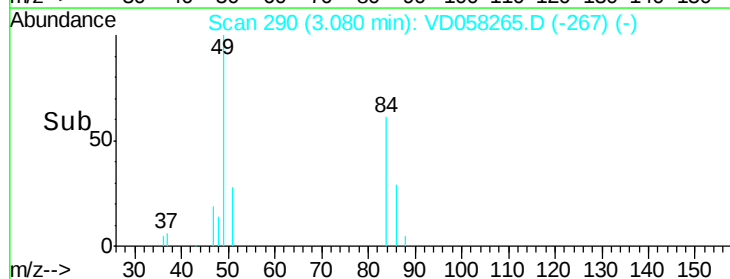
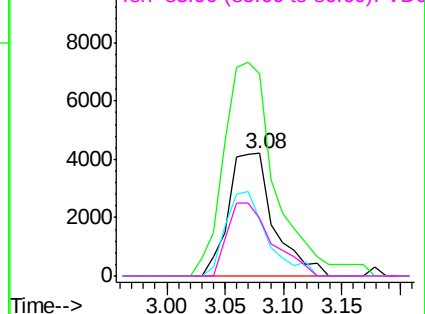


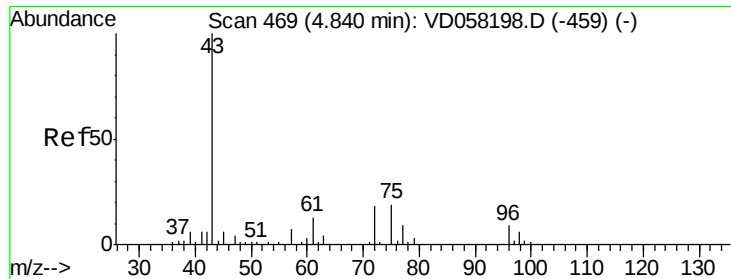
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.633 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

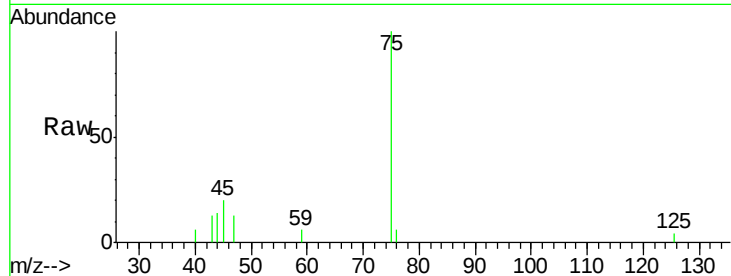
26KV-TP-8RE

Tot Ion: 43 Resp: 2510

Ion Ratio Lower Upper

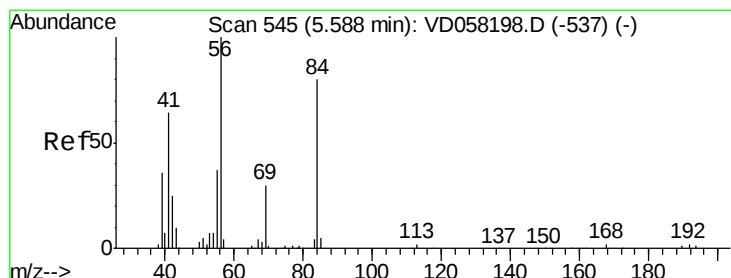
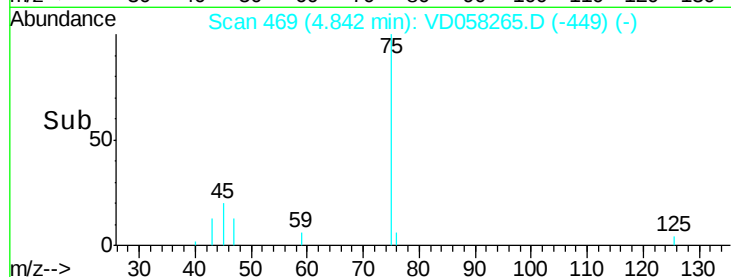
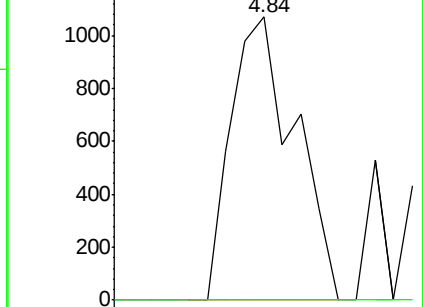
43 100

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

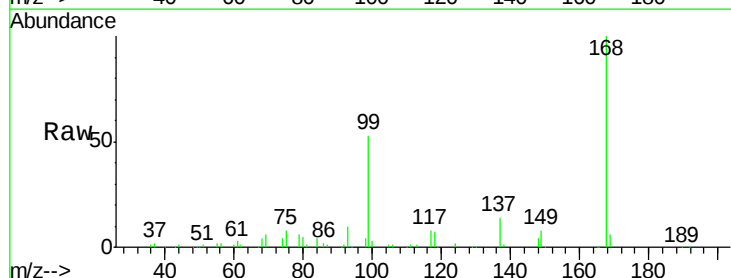
Tgt Ion: 56 Resp: 11453

Ion Ratio Lower Upper

56 100

69 267.2 23.6 35.4#

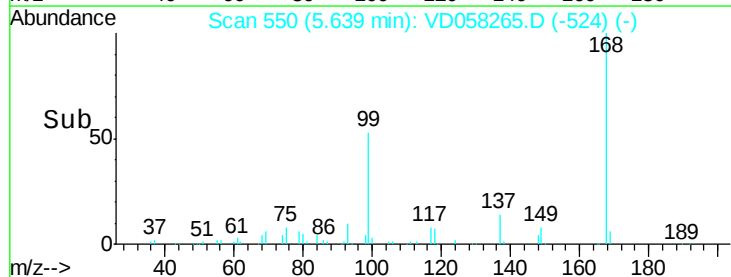
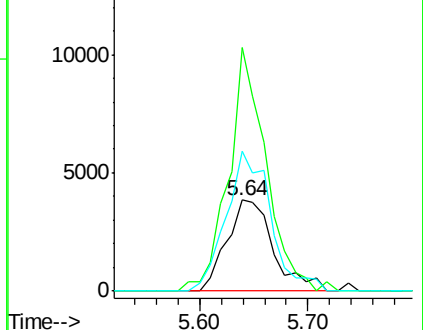
84 153.0 65.2 97.8#

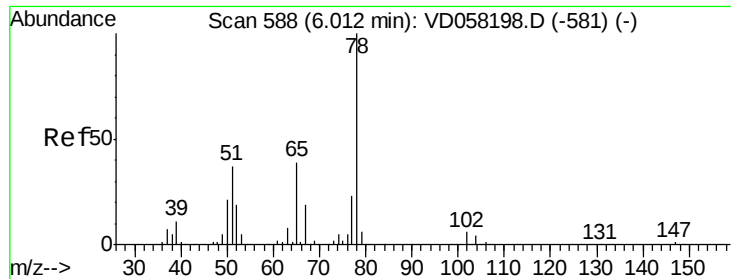


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

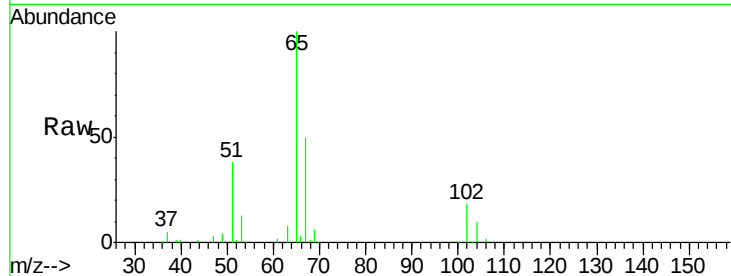
26KV-TP-8RE

Tot Ion: 65 Resp: 291856

Ion Ratio Lower Upper

65 100

67 49.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.02

120000

100000

80000

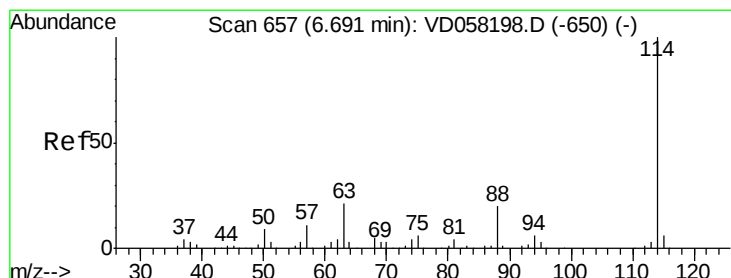
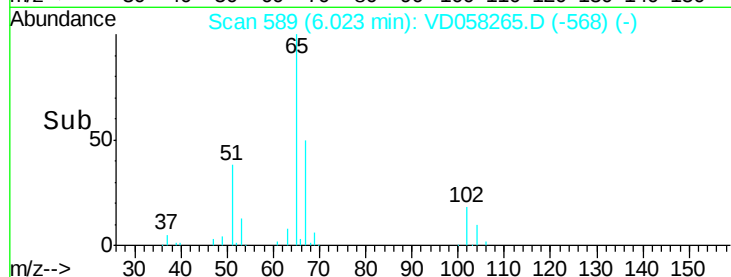
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

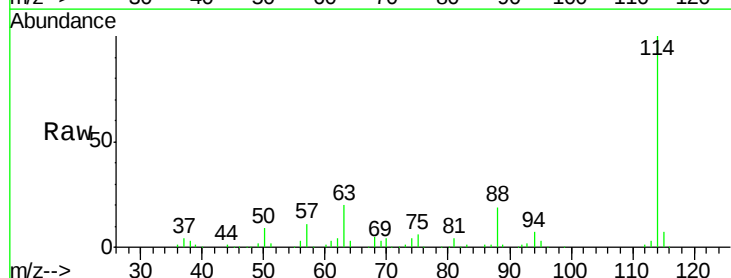
Tgt Ion: 114 Resp: 630674

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 19.2 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

6.69

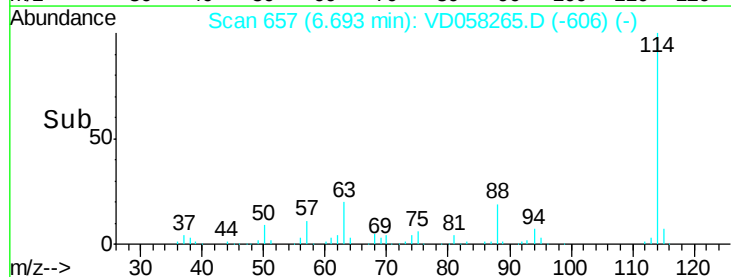
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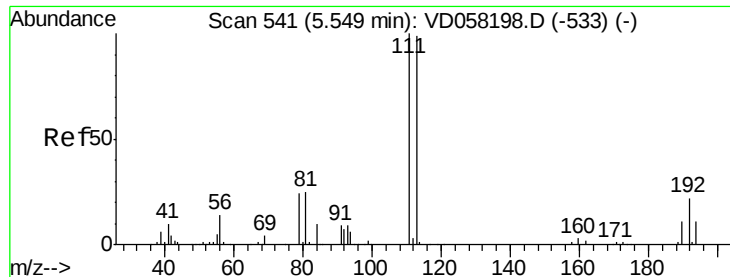
200000

100000

0

Time-->

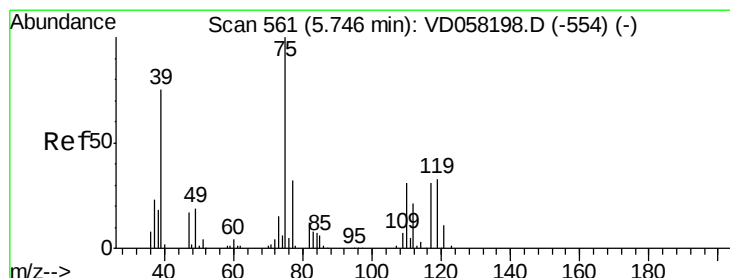
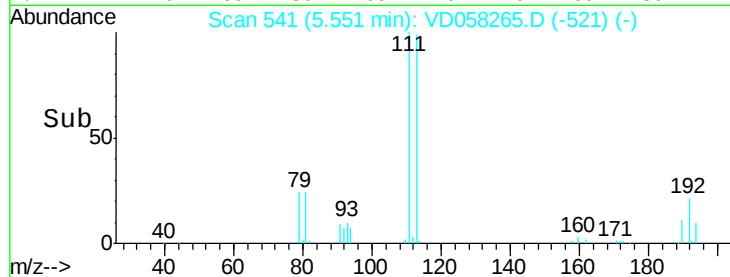
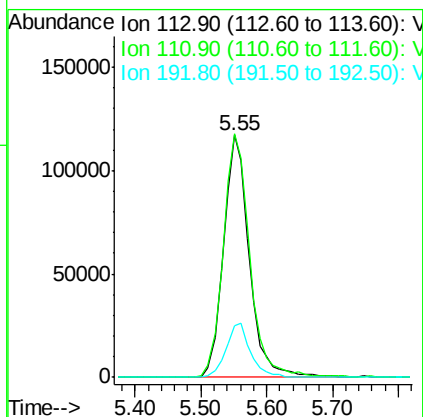
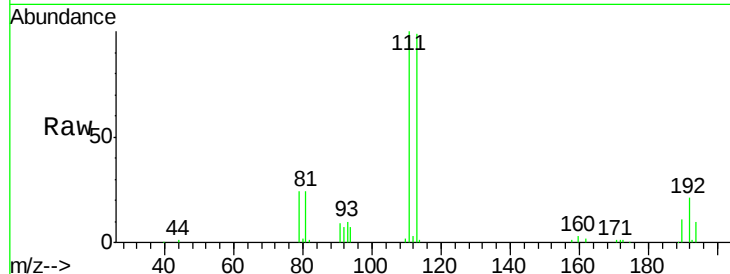




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058265.D
 Acq: 21 Jun 2018 21:15

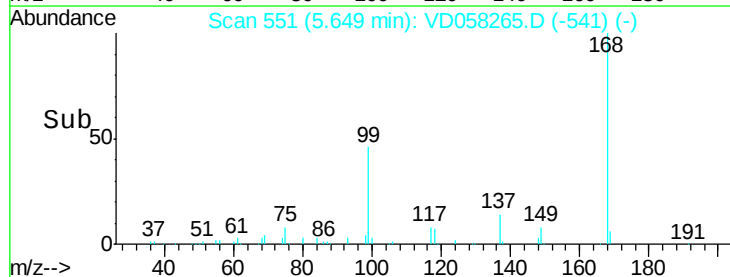
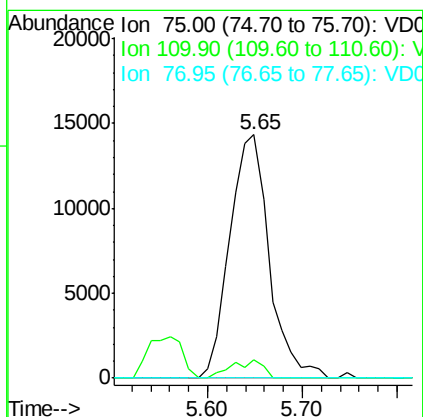
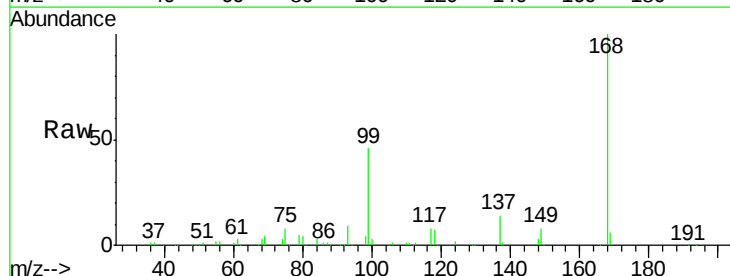
Instrument :
 MSVOA_D
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 26KV-TP-8RE

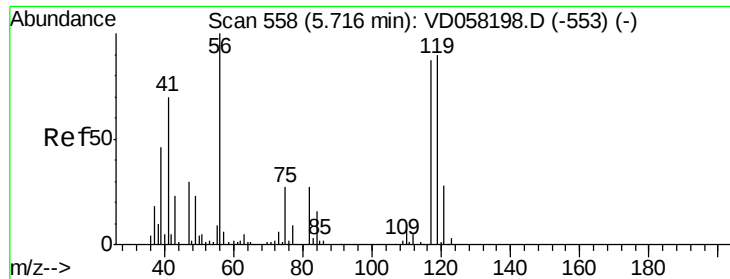
Tot Ion:113 Resp: 319482
 Ion Ratio Lower Upper
 113 100
 111 100.7 80.6 121.0
 192 21.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 6.628 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058265.D
 Acq: 21 Jun 2018 21:15

Tgt Ion: 75 Resp: 41355
 Ion Ratio Lower Upper
 75 100
 110 7.4 15.4 46.4#
 77 0.0 25.4 38.2#

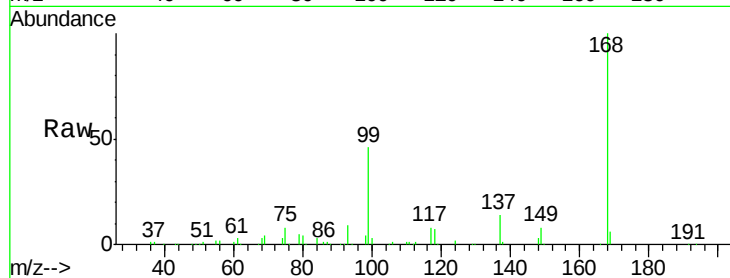




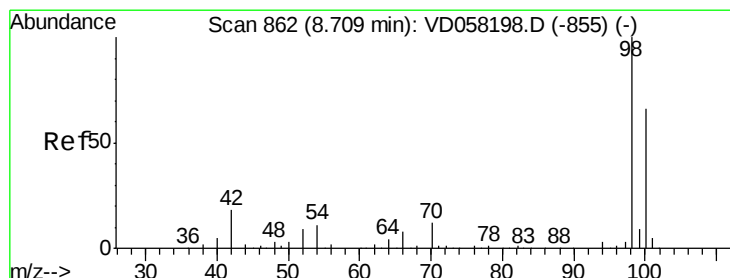
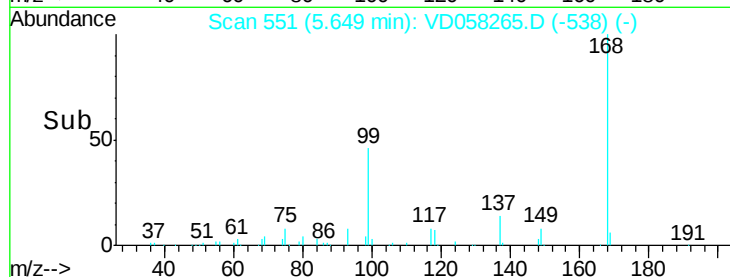
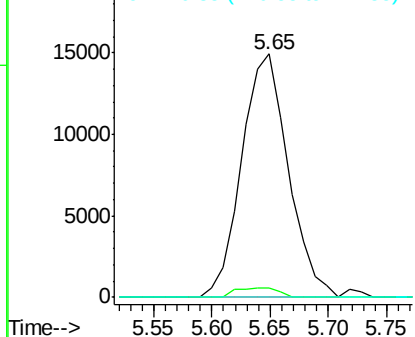
#38
Carbon Tetrachloride
Concen: 6.665 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.07 min
Lab File: VD058265.D
Acq: 21 Jun 2018 21:15

Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-8RE

Tot Ion:117 Resp: 41319
Ion Ratio Lower Upper
117 100
119 3.7 78.8 118.2#
121 0.0 25.0 37.6#

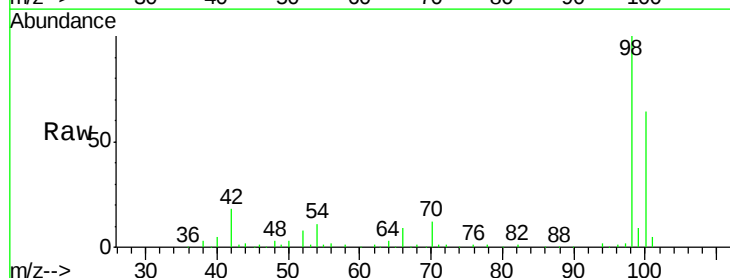


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

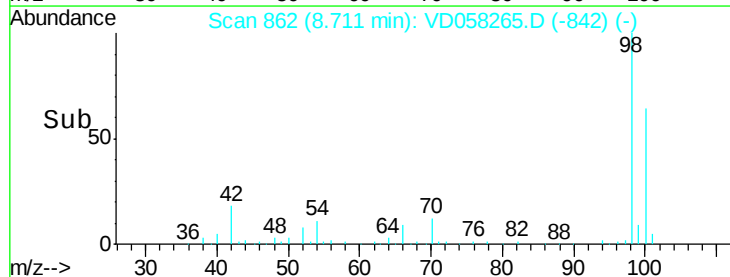
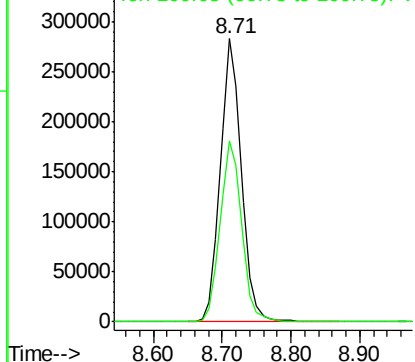


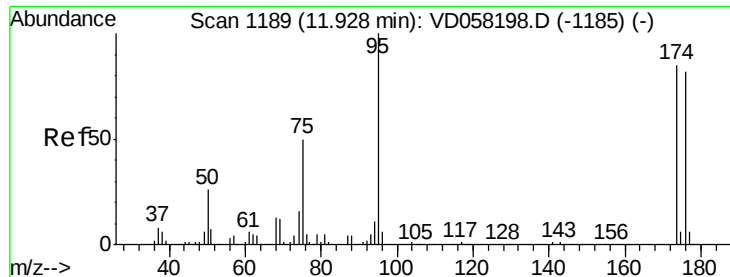
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058265.D
Acq: 21 Jun 2018 21:15

Tgt Ion: 98 Resp: 598761
Ion Ratio Lower Upper
98 100
100 63.8 53.6 80.4



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-8RE

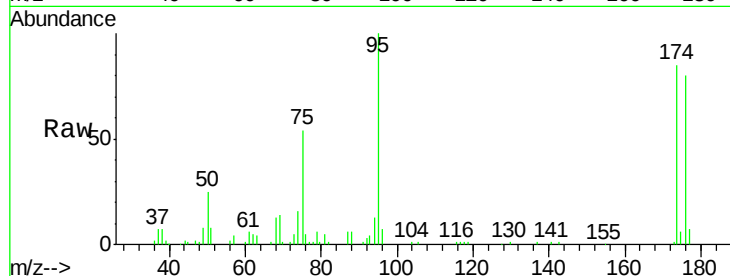
Tot Ion: 95 Resp: 118583

Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.2

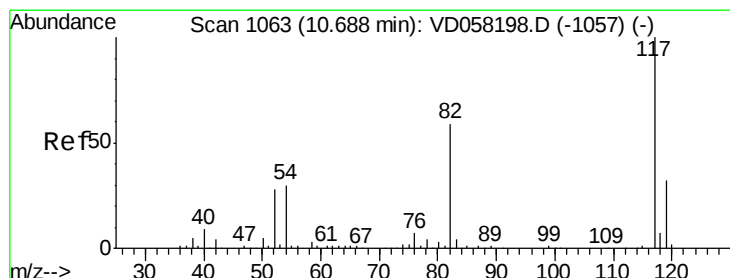
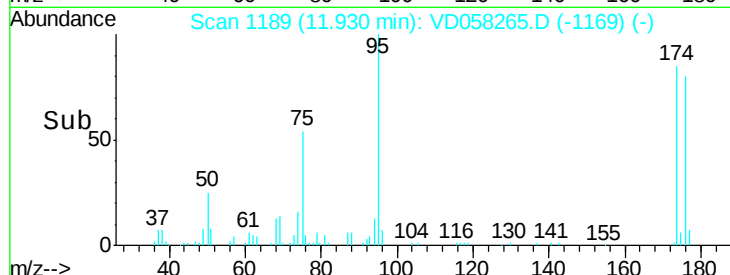
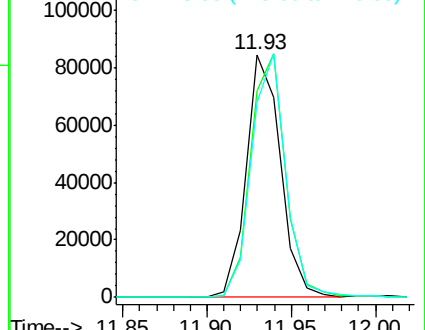
176 80.4 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

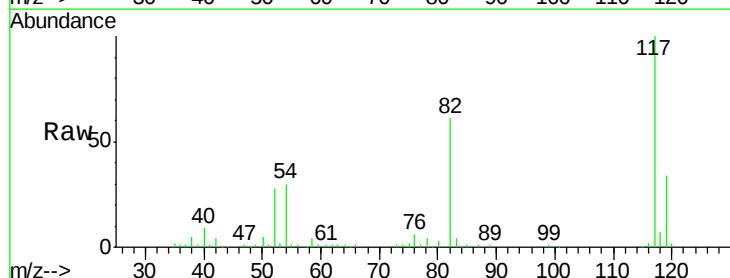
Tgt Ion: 117 Resp: 345180

Ion Ratio Lower Upper

117 100

82 61.1 47.0 70.6

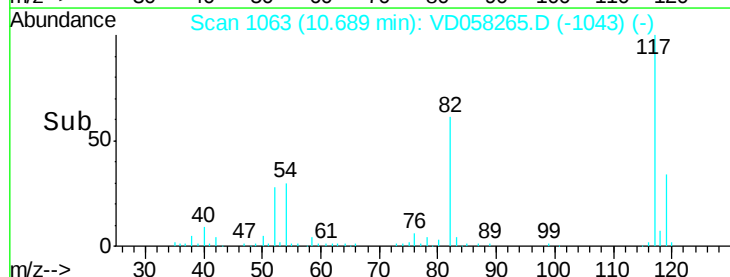
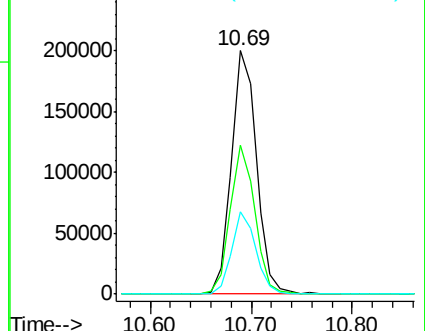
119 34.0 25.3 37.9

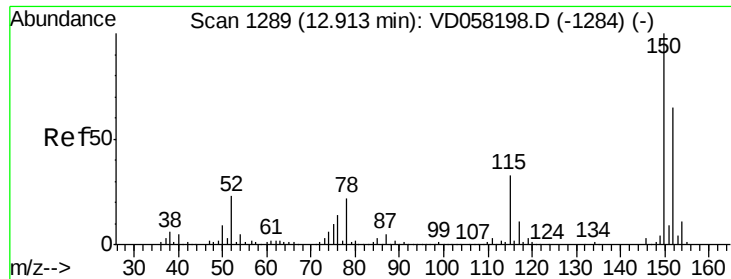


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-8RE

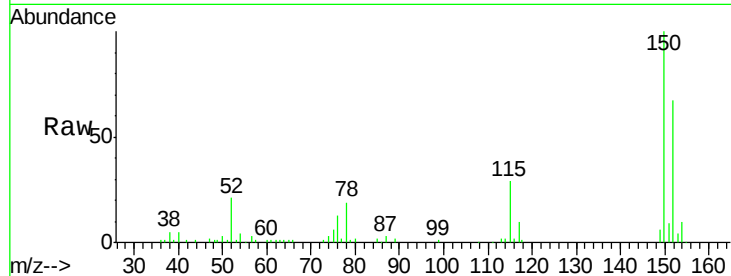
Tot Ion:152 Resp: 75519

Ion Ratio Lower Upper

152 100

115 43.8 25.1 75.3

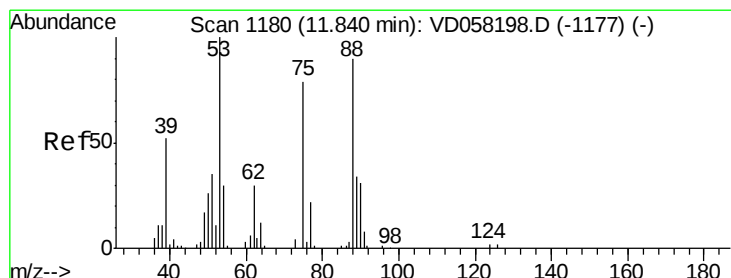
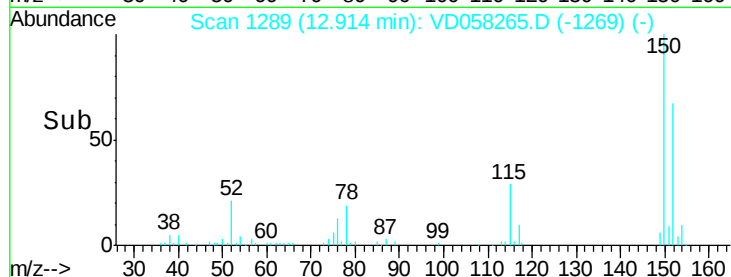
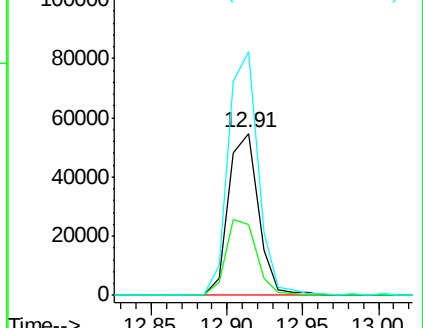
150 150.0 0.0 308.8



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: 226.364 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058265.D

Acq: 21 Jun 2018 21:15

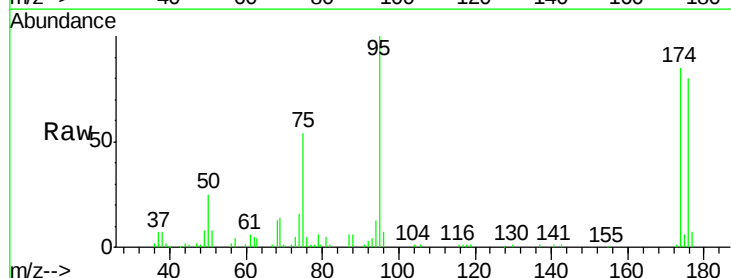
Tgt Ion: 75 Resp: 60873

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

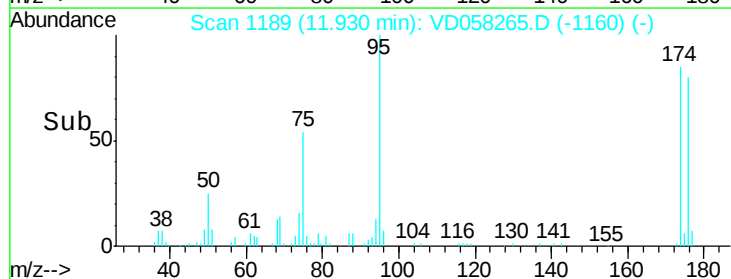
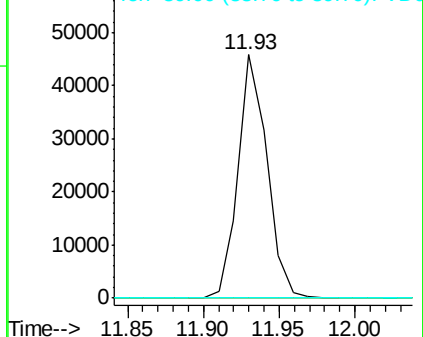
89 0.0 34.6 52.0#

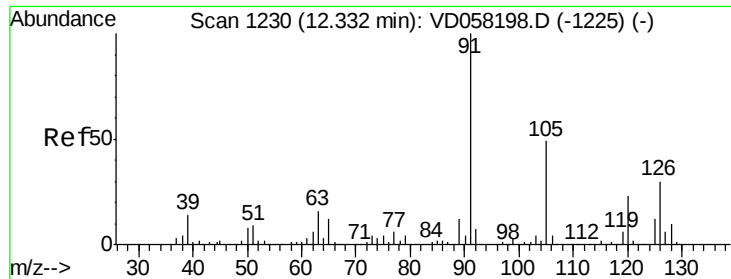


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD058265.D
 Acq: 21 Jun 2018 21:15

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-8RE

Tot Ion: 91 Resp: 290
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

