

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
 Data File : VD061853.D
 Acq On : 17 Apr 2019 15:27
 Operator : VA/AP
 Sample : K2377-02
 Misc : 6.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13-S2

Quant Time: Apr 17 15:52:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	465957	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.21	114	705021	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.36	117	644290	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	274420	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	208402	53.37	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	106.74%	
35) Dibromofluoromethane	6.91	113	322445	60.54	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	121.08%	
50) Toluene-d8	10.40	98	740494	58.67	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	117.34%	
62) 4-Bromofluorobenzene	13.55	95	294239	57.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.04%	

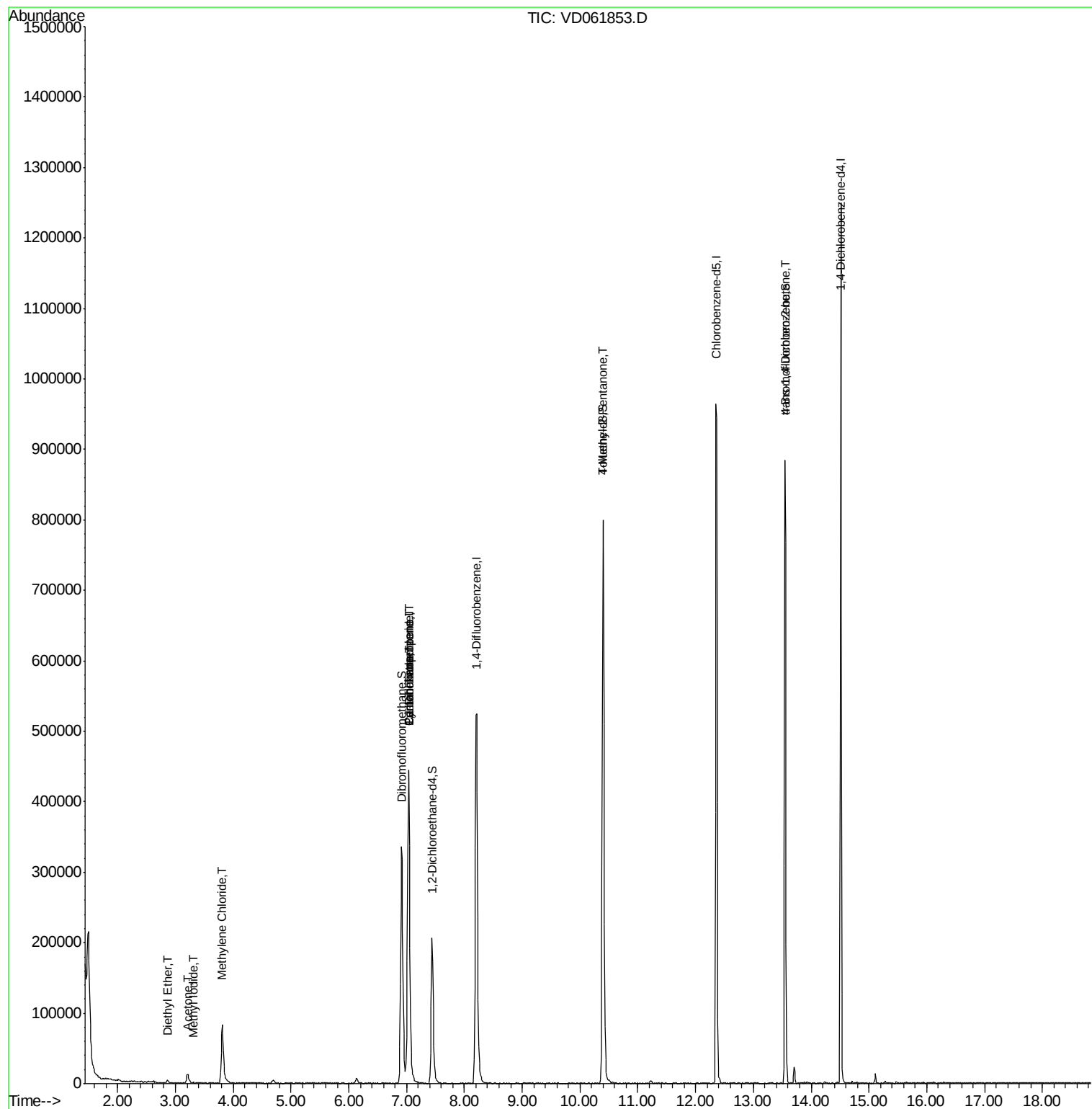
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	571	Below Cal	#	12
8) Diethyl Ether	2.86	74	1561	1.021	ug/l	59
10) Methyl Iodide	3.32	142	256	3.543	ug/l #	37
16) Acetone	3.21	43	27122	28.179	ug/l	100
20) Methylene Chloride	3.81	84	63047	9.459	ug/l	96
31) Cyclohexane	7.03	56	7324	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	32929	5.716	ug/l #	45
38) Carbon Tetrachloride	7.04	117	45076	6.196	ug/l #	18
51) 4-Methyl-2-Pentanone	10.40	43	2873	1.354	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	109207	90.602	ug/l #	16

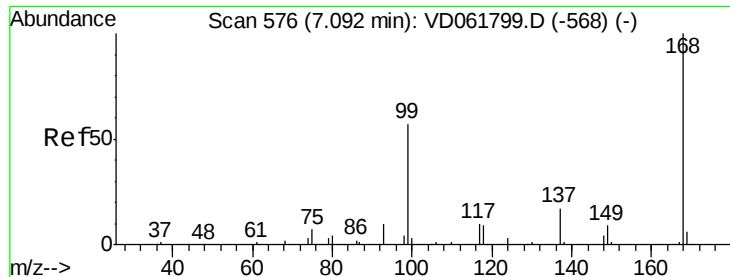
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
Data File : VD061853.D
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ALS Vial : 11 Sample Multiplier: 1

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Quant Time: Apr 17 15:52:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

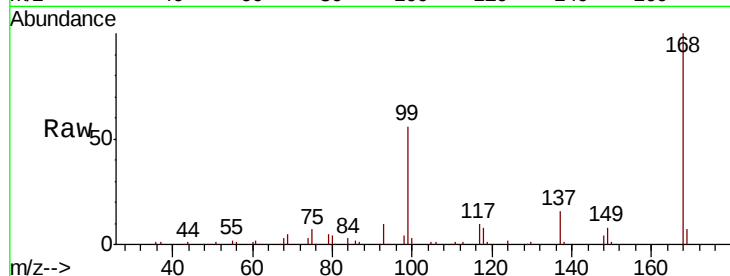
TP-13-S2

Tgt Ion:168 Resp: 465957

Ion Ratio Lower Upper

168 100

99 55.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

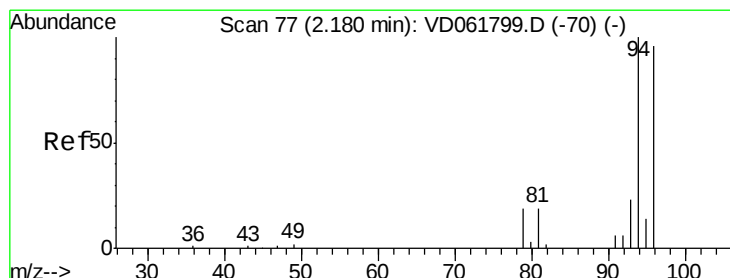
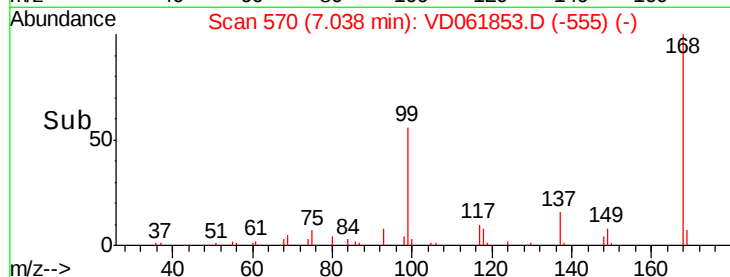
100000

50000

0

7.00 7.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

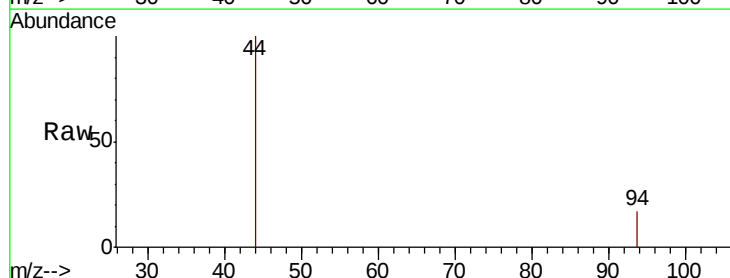
Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

300

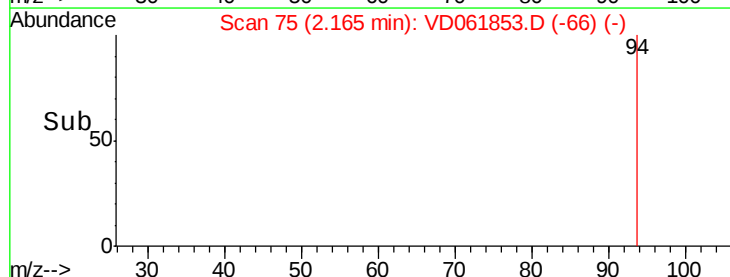
200

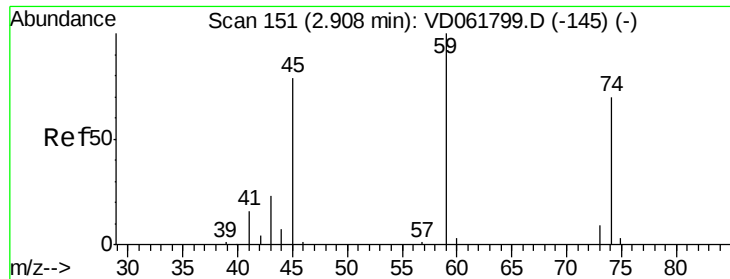
100

0

2.12 2.14 2.16 2.18

Time-->





#8

Diethyl Ether

Concen: 1.021 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.04 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

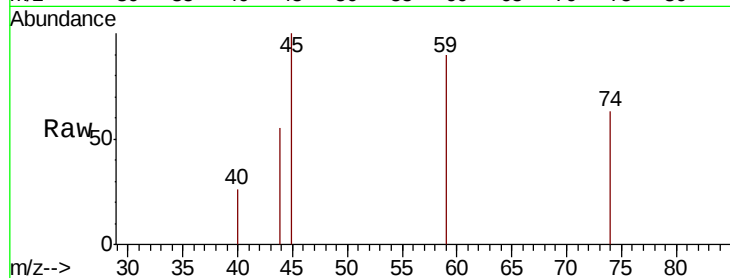
TP-13-S2

Tgt Ion: 74 Resp: 1561

Ion Ratio Lower Upper

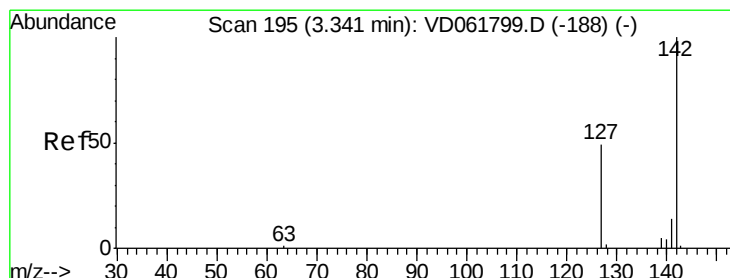
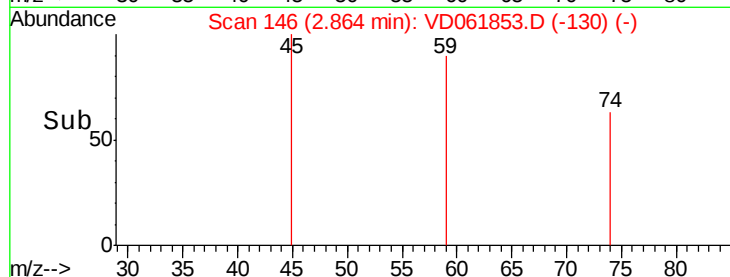
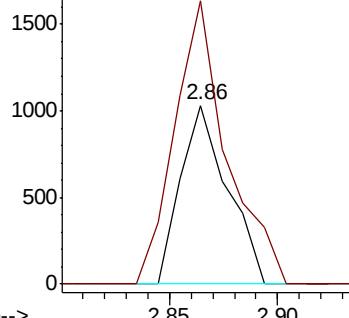
74 100

45 158.3 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 3.543 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

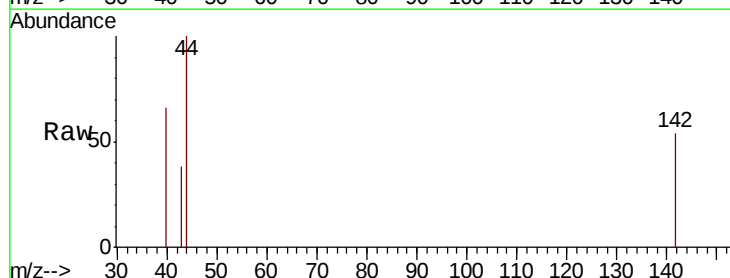
Tgt Ion: 142 Resp: 256

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

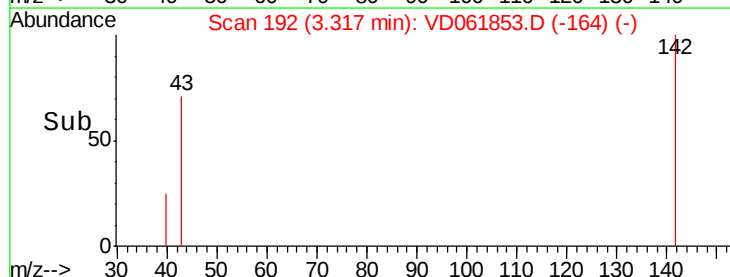
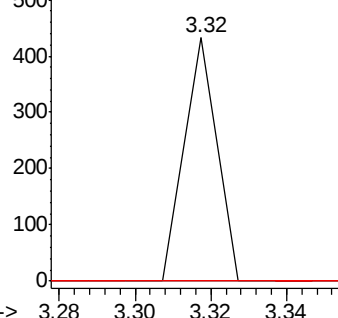
141 0.0 11.4 17.0#

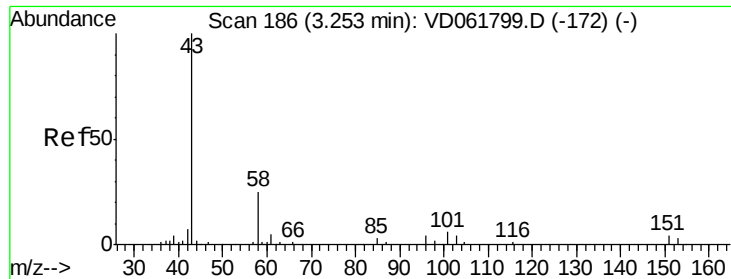


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 28.179 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.04 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

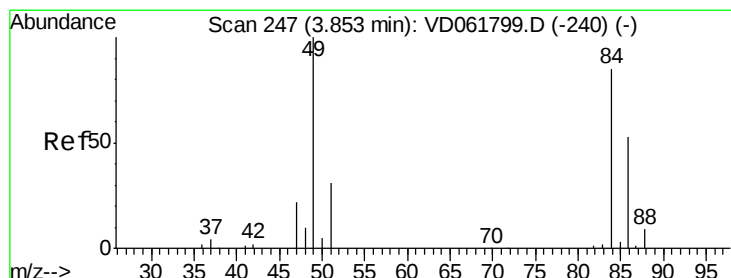
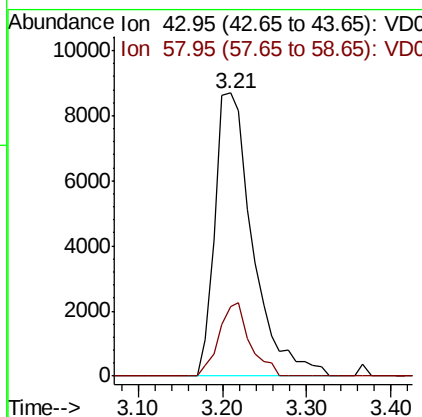
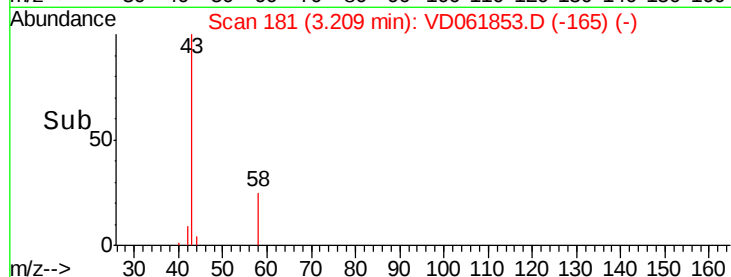
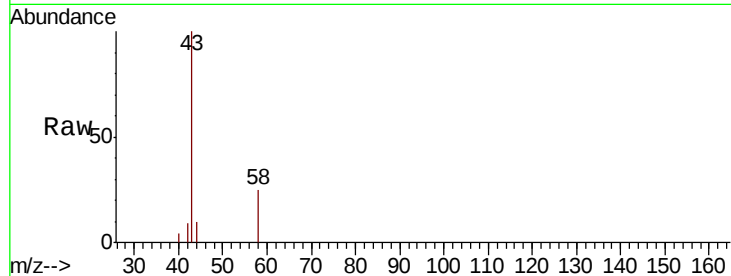
TP-13-S2

Tgt Ion: 43 Resp: 27122

Ion Ratio Lower Upper

43 100

58 24.7 19.9 29.9



#20

Methylene Chloride

Concen: 9.459 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.04 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Tgt Ion: 84 Resp: 63047

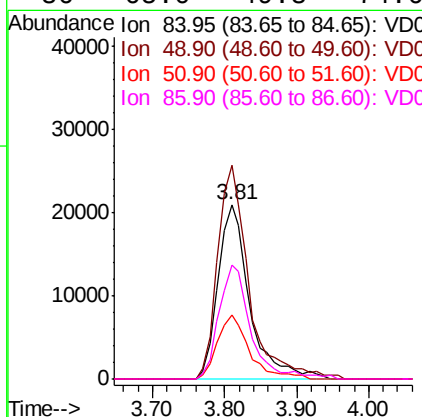
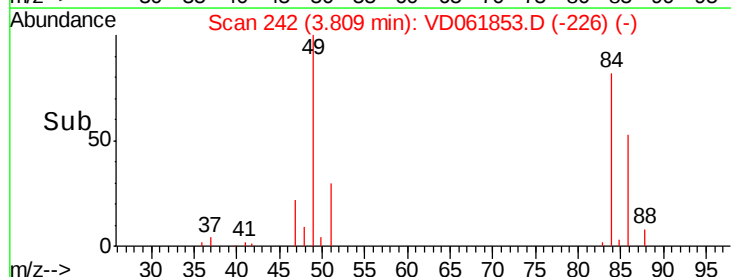
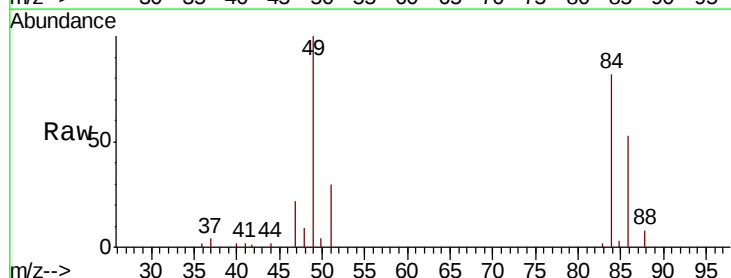
Ion Ratio Lower Upper

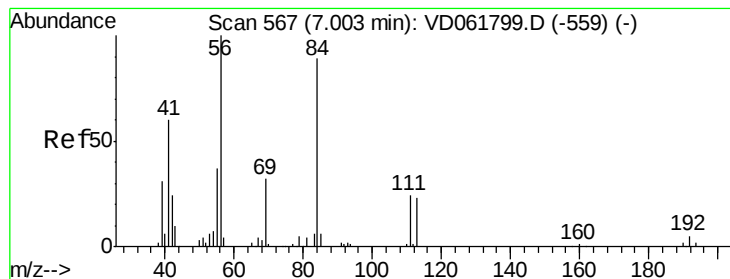
84 100

49 122.4 94.0 141.0

51 36.8 29.0 43.4

86 65.0 49.8 74.6





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.03 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

TP-13-S2

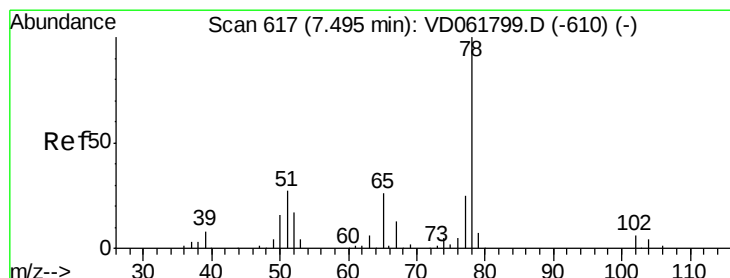
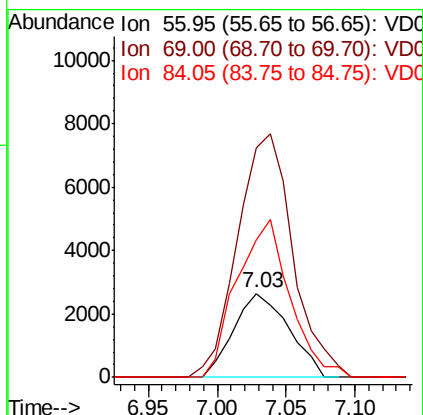
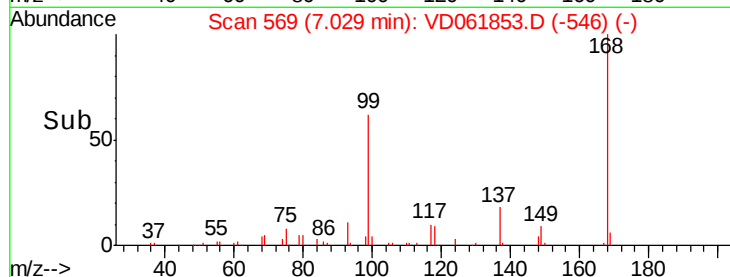
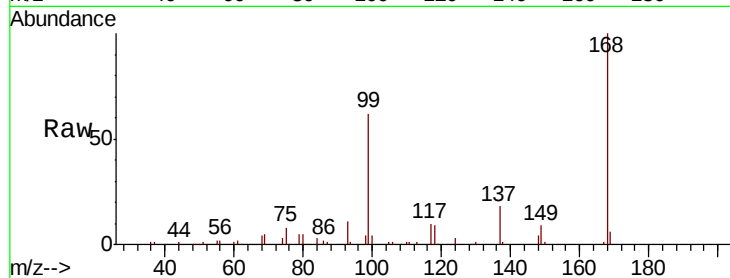
Tgt Ion: 56 Resp: 7324

Ion Ratio Lower Upper

56 100

69 273.4 25.8 38.6#

84 163.4 72.2 108.4#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.05 min

Lab File: VD061853.D

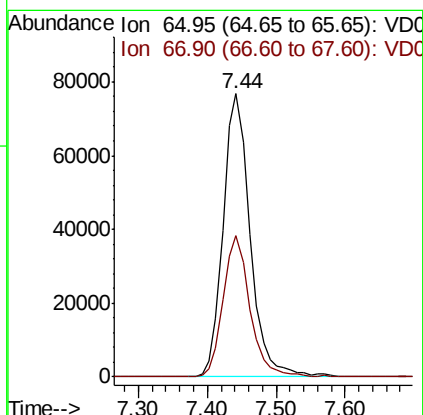
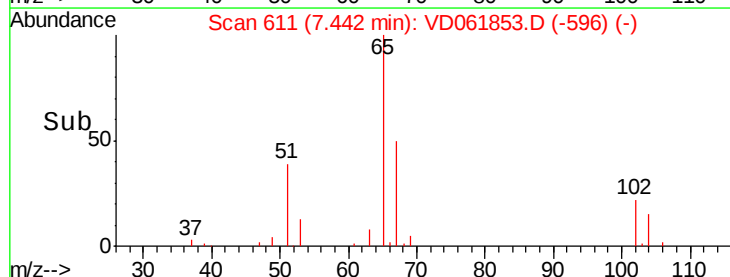
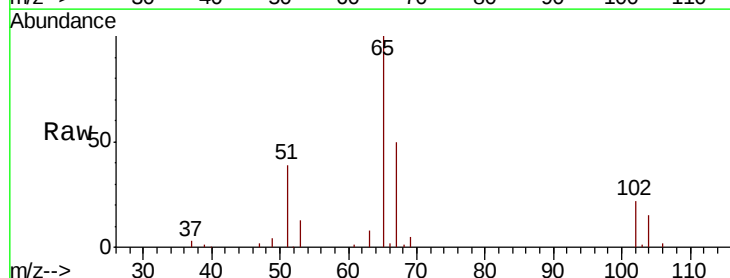
Acq: 17 Apr 2019 15:27

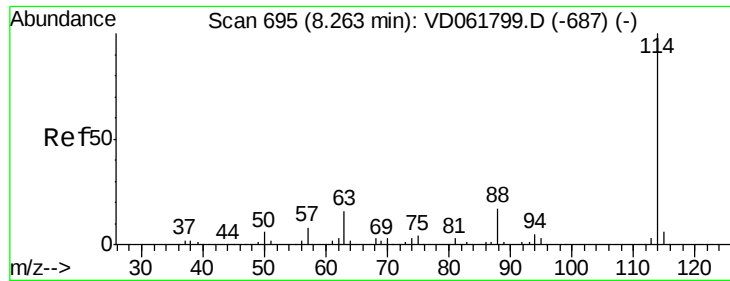
Tgt Ion: 65 Resp: 208402

Ion Ratio Lower Upper

65 100

67 49.9 0.0 98.0

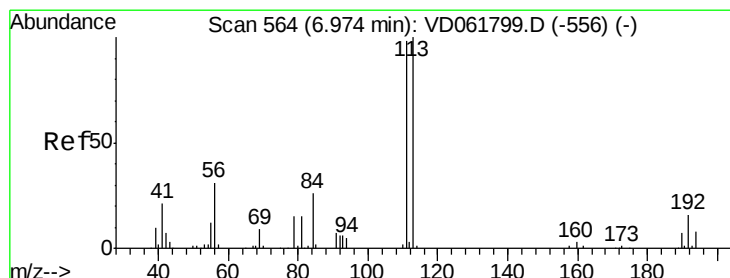
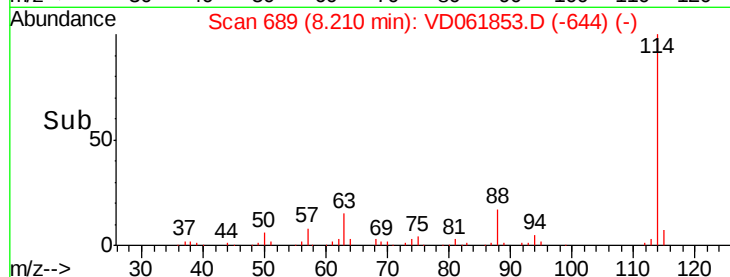
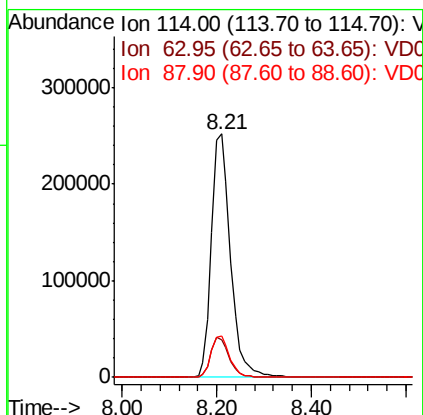
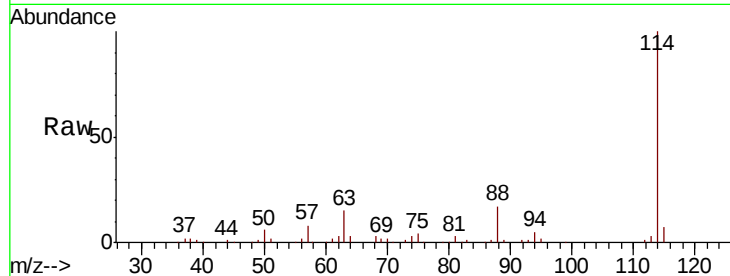




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.05 min
 Lab File: VD061853.D
 Acq: 17 Apr 2019 15:27

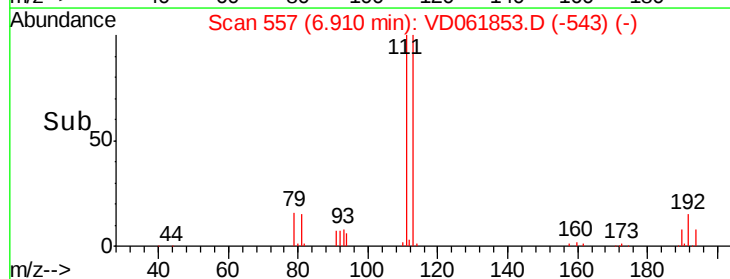
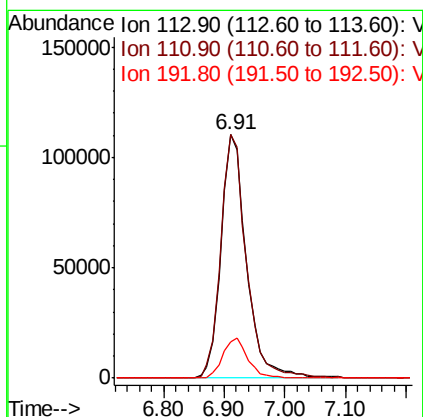
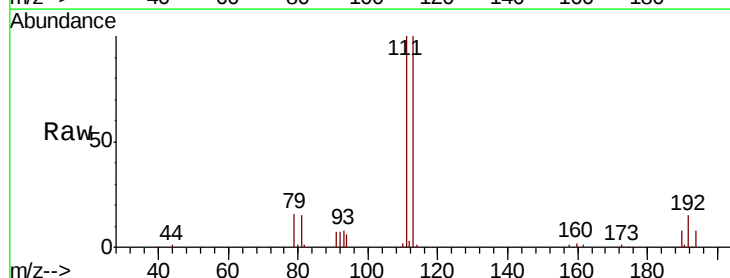
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13-S2

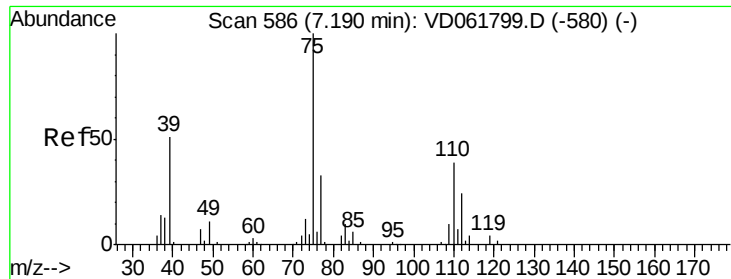
Tgt Ion:114 Resp: 705021
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 32.4
 88 16.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.06 min
 Lab File: VD061853.D
 Acq: 17 Apr 2019 15:27

Tgt Ion:113 Resp: 322445
 Ion Ratio Lower Upper
 113 100
 111 99.9 78.5 117.7
 192 15.0 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.716 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.15 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

TP-13-S2

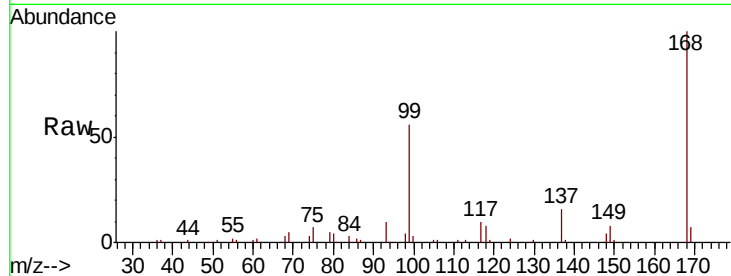
Tgt Ion: 75 Resp: 32929

Ion Ratio Lower Upper

75 100

110 6.2 19.1 57.1#

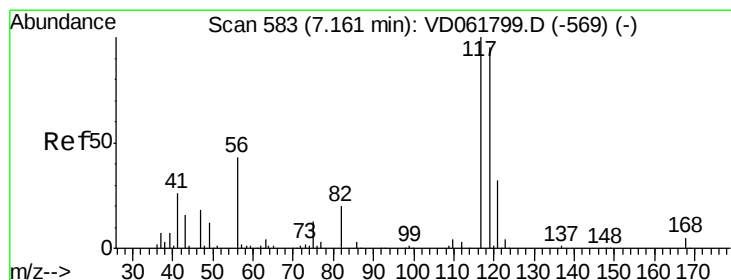
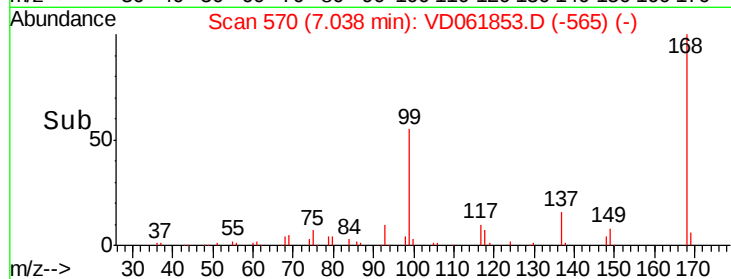
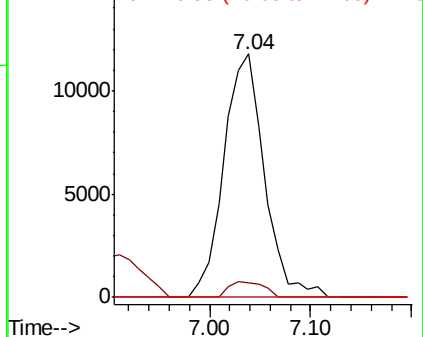
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.196 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

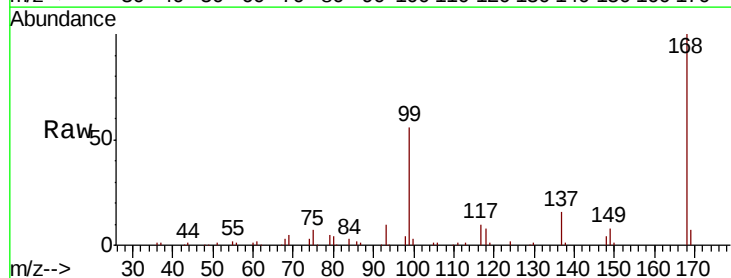
Tgt Ion: 117 Resp: 45076

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.8#

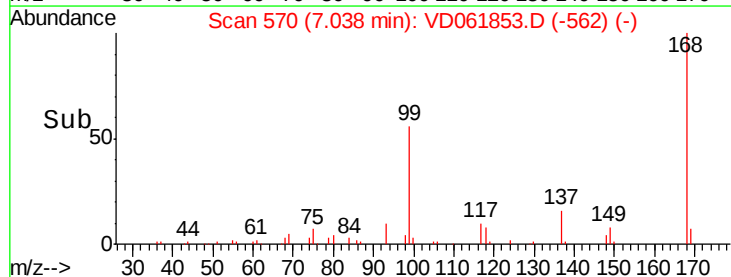
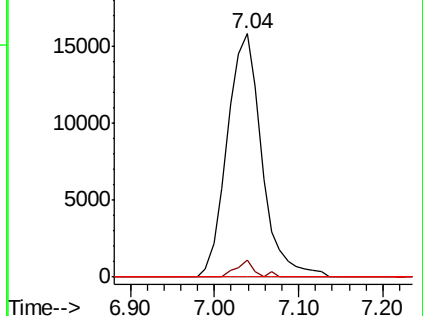
121 0.0 25.9 38.9#

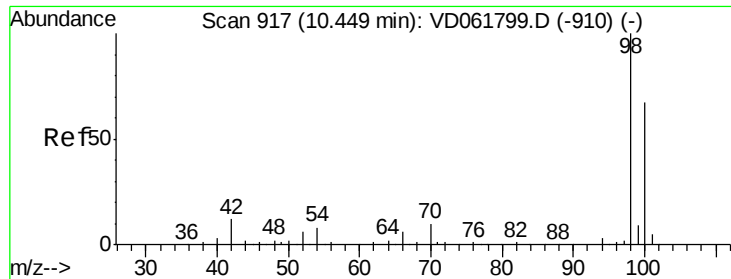


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

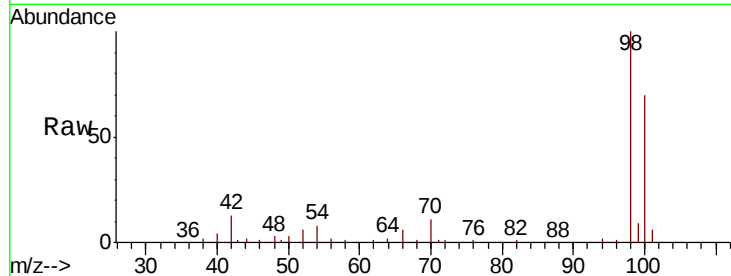




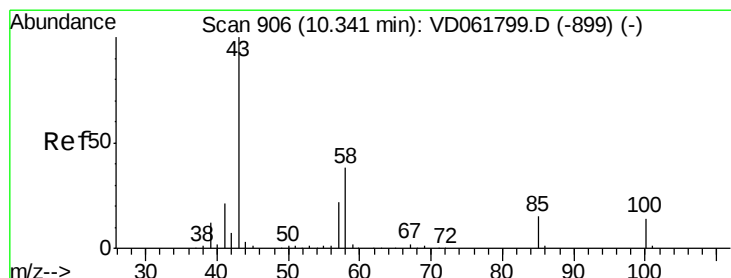
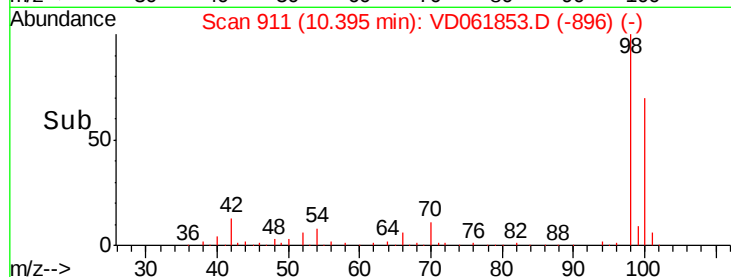
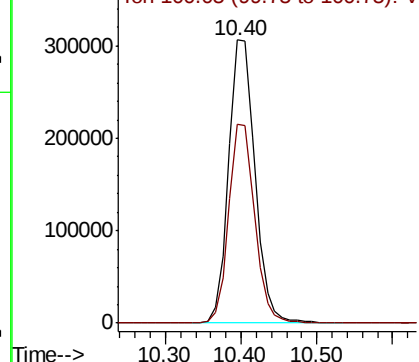
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.05 min
Lab File: VD061853.D
Acq: 17 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
TP-13-S2

Tgt Ion: 98 Resp: 740494
Ion Ratio Lower Upper
98 100
100 70.3 53.8 80.8

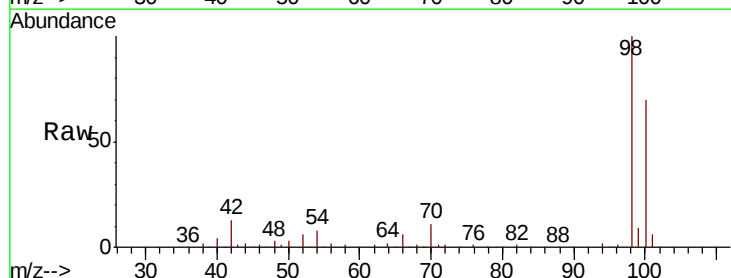


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

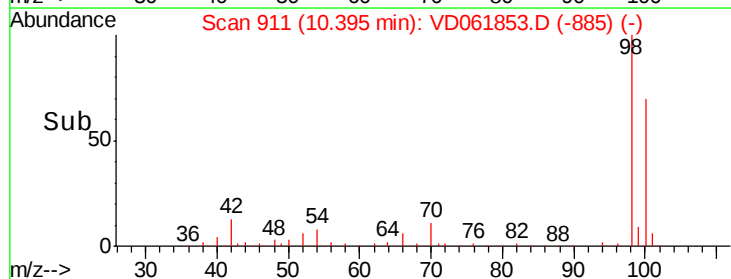
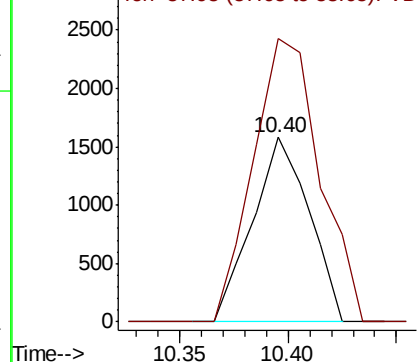


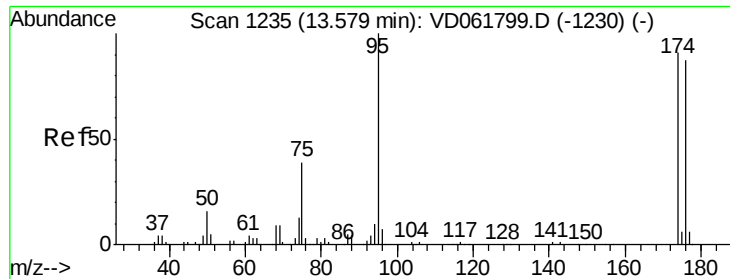
#51
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.05 min
Lab File: VD061853.D
Acq: 17 Apr 2019 15:27

Tgt Ion: 43 Resp: 2873
Ion Ratio Lower Upper
43 100
58 153.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061799.D (-899) (-)
Ion 57.95 (57.65 to 58.65): VD061799.D (-899) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

Instrument :

MSVOA_D

ClientSampled :

TP-13-S2

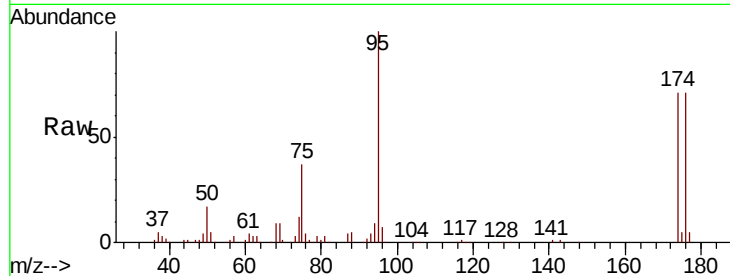
Tgt Ion: 95 Resp: 294239

Ion Ratio Lower Upper

95 100

174 71.4 0.0 181.8

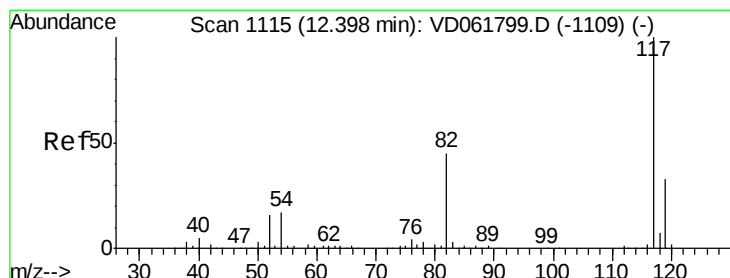
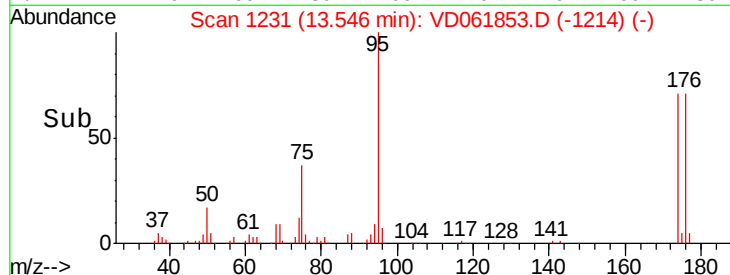
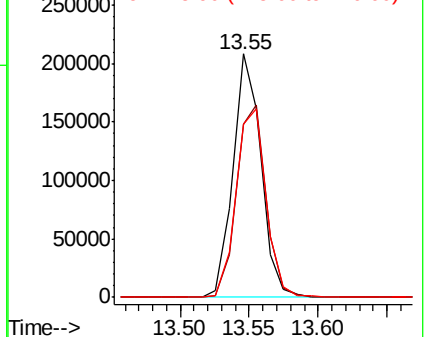
176 71.1 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VD061853.D

Acq: 17 Apr 2019 15:27

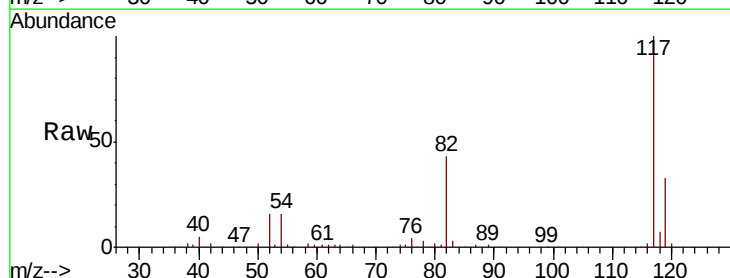
Tgt Ion: 117 Resp: 644290

Ion Ratio Lower Upper

117 100

82 42.8 36.2 54.2

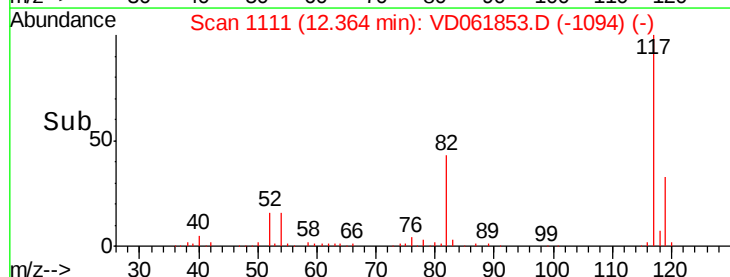
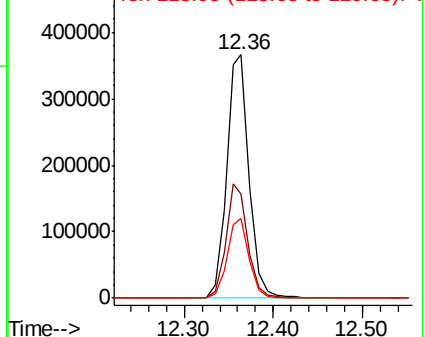
119 32.6 26.2 39.4

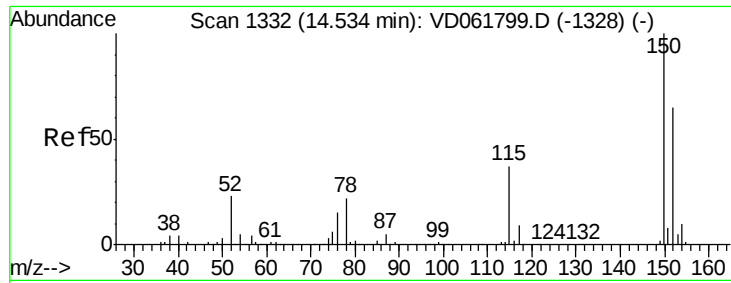


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



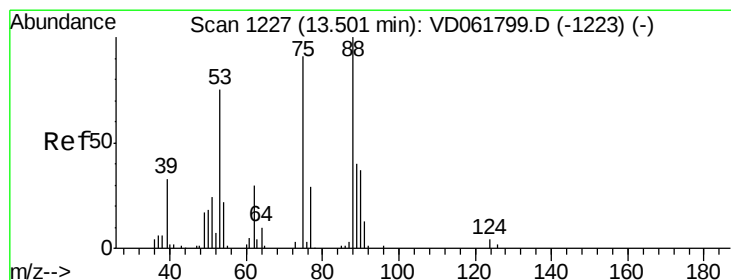
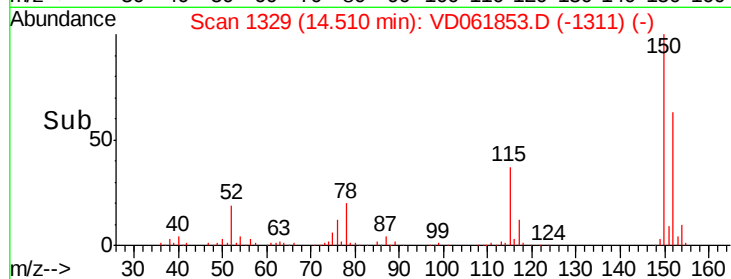
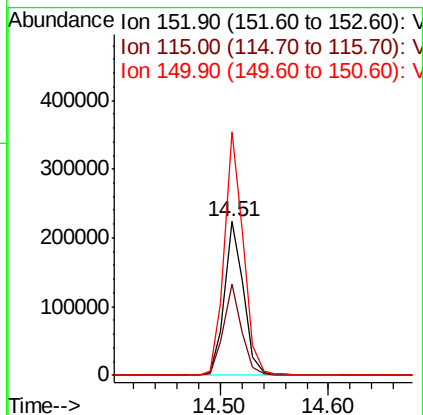
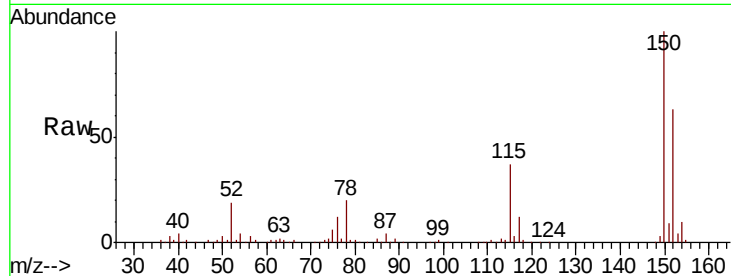


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD061853.D
Acq: 17 Apr 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
TP-13-S2

Tgt Ion: 152 Resp: 274420
Ion Ratio Lower Upper
152 100
115 59.3 30.9 92.7
150 158.2 0.0 314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 90.602 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.05 min
Lab File: VD061853.D
Acq: 17 Apr 2019 15:27

Tgt Ion: 75 Resp: 109207
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

