

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061894.D
 Acq On : 19 Apr 2019 4:05
 Operator : VA/AP
 Sample : K2442-10
 Misc : 5.27g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21-S2

Quant Time: Apr 19 05:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

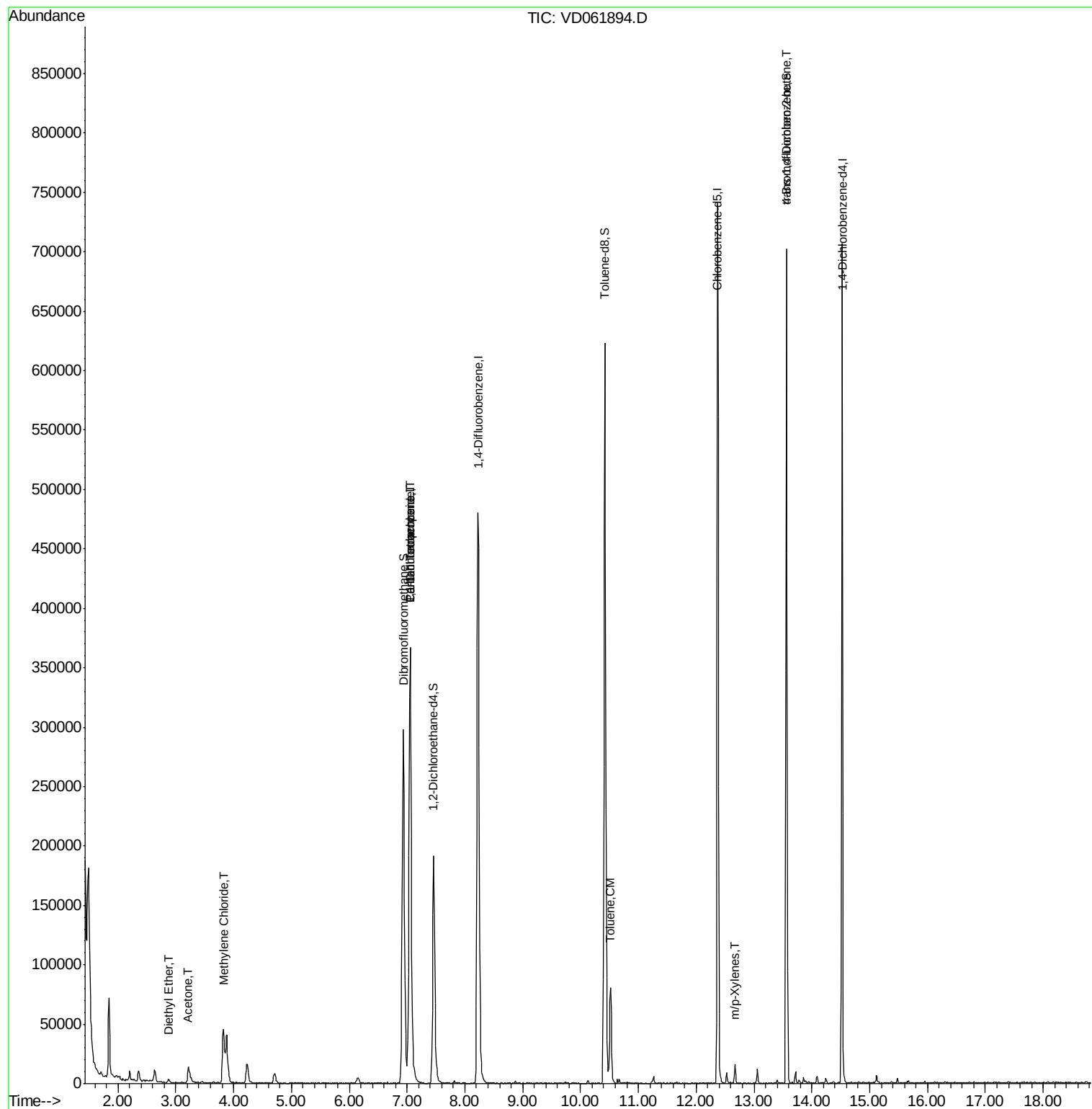
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	372880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	602393	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	439332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	168880	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	191818	61.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.76%	
35) Dibromofluoromethane	6.93	113	281782	61.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	123.84%	
50) Toluene-d8	10.42	98	528595	49.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	13.56	95	213593	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
Target Compounds						
5) Bromomethane	2.16	94	463	Below Cal	#	12
8) Diethyl Ether	2.87	74	1272	1.040	ug/l	72
16) Acetone	3.21	43	27661	35.913	ug/l	95
20) Methylene Chloride	3.82	84	32859	4.399	ug/l	94
36) 1,1-Dichloropropene	7.05	75	28361	5.761	ug/l #	44
38) Carbon Tetrachloride	7.05	117	36003	5.792	ug/l #	16
52) Toluene	10.52	92	44725	5.906	ug/l	98
68) m/p-Xylenes	12.66	106	5788	1.176	ug/l	84
81) trans-1,4-Dichloro-2-buten	13.56	75	81746	109.483	ug/l #	16

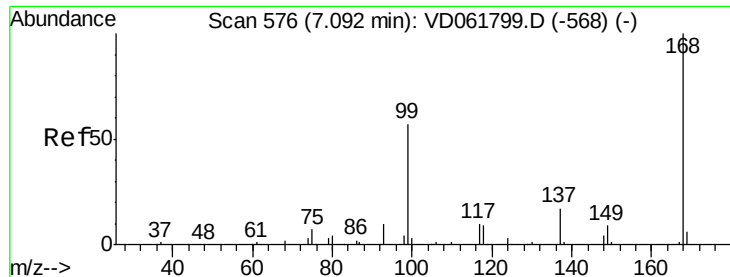
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
Data File : VD061894.D
Acq On : 19 Apr 2019 4:05
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ClientSampled :
TP-21-S2

Quant Time: Apr 19 05:27:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

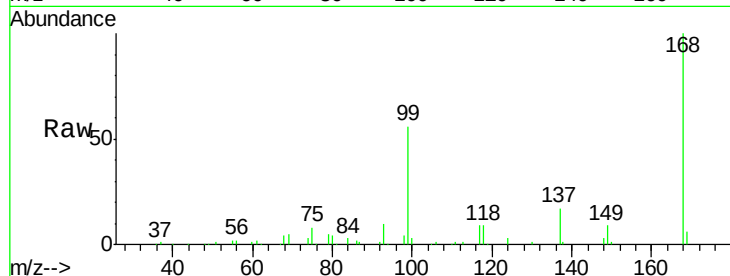
TP-21-S2

Tot Ion:168 Resp: 372880

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

7.05

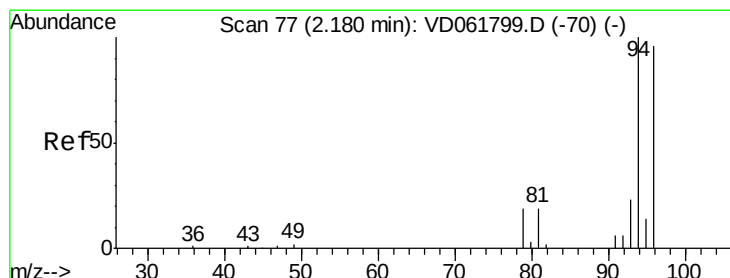
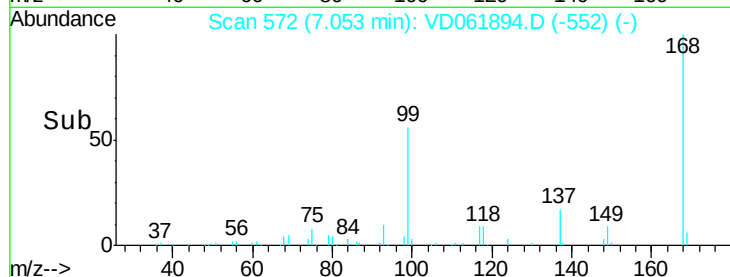
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

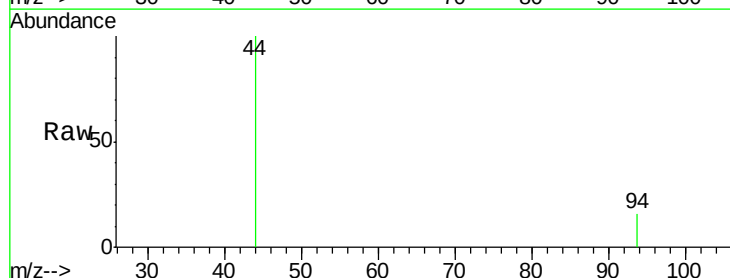
Tgt Ion: 94 Resp: 463

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

600

500

400

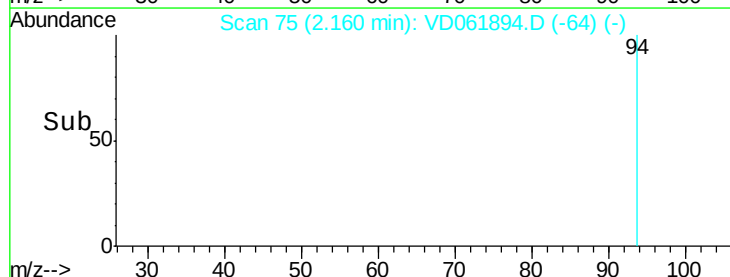
300

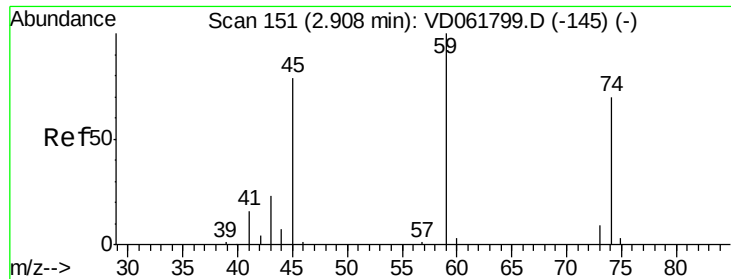
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.040 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

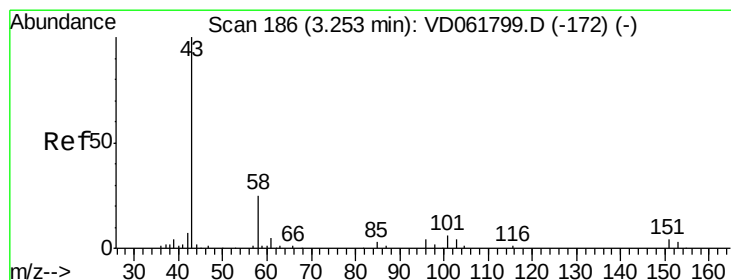
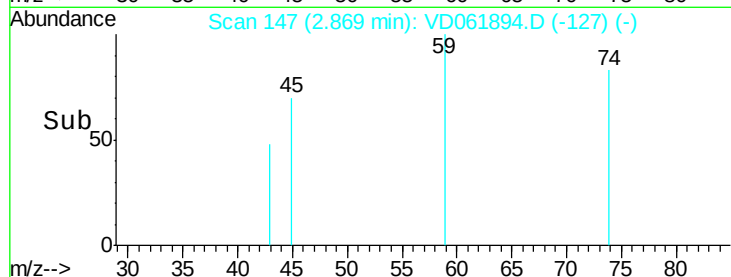
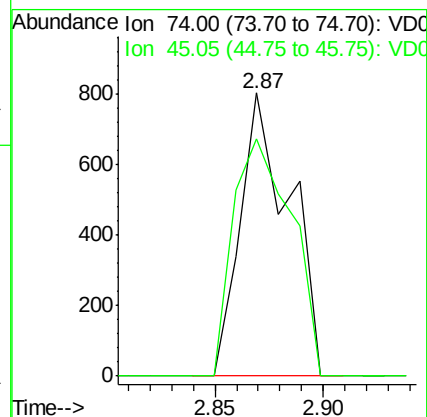
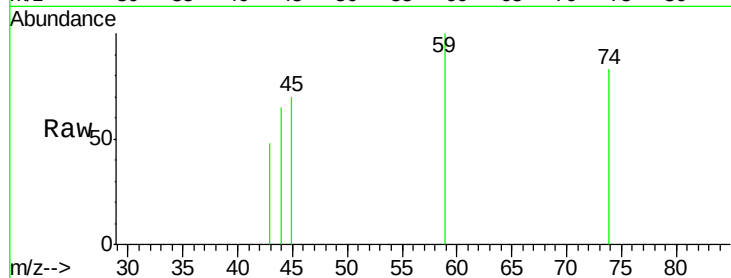
TP-21-S2

Tot Ion: 74 Resp: 1272

Ion Ratio Lower Upper

74 100

45 83.9 56.9 170.7



#16

Acetone

Concen: 35.913 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061894.D

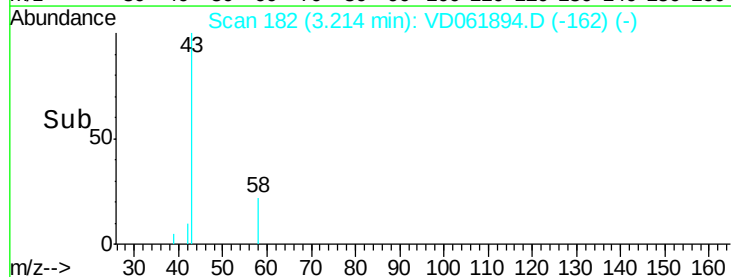
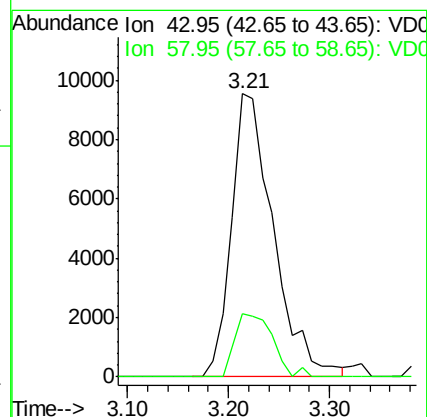
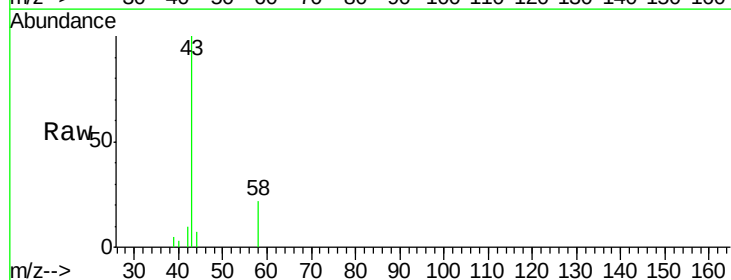
Acq: 19 Apr 2019 4:05

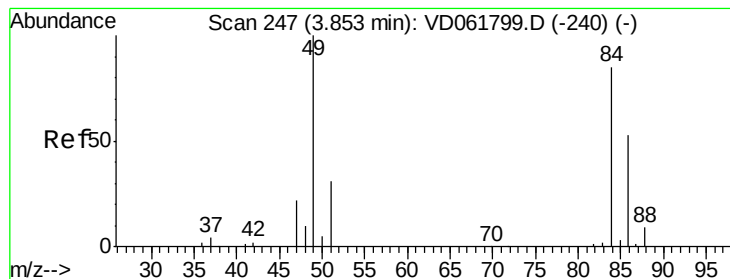
Tgt Ion: 43 Resp: 27661

Ion Ratio Lower Upper

43 100

58 22.2 19.9 29.9





#20

Methylene Chloride

Concen: 4.399 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2

Tot Ion: 84 Resp: 32859

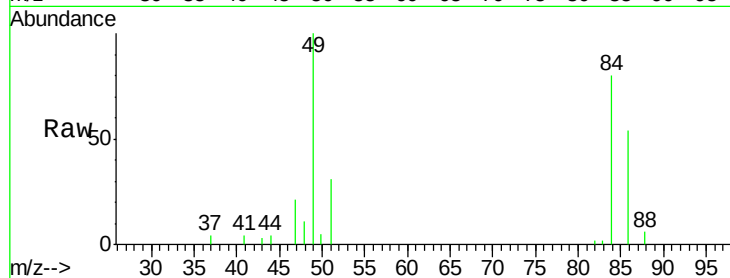
Ion Ratio Lower Upper

84 100

49 124.6 94.0 141.0

51 39.2 29.0 43.4

86 67.5 49.8 74.6

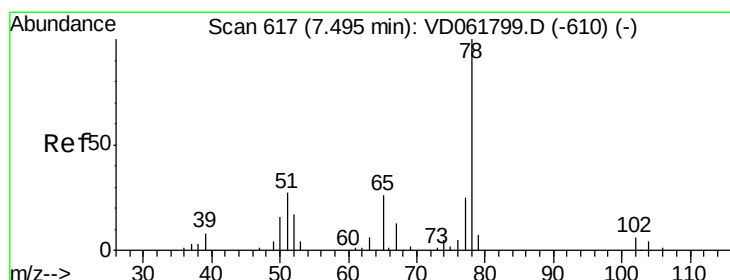
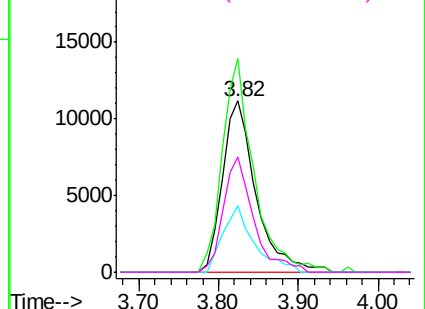
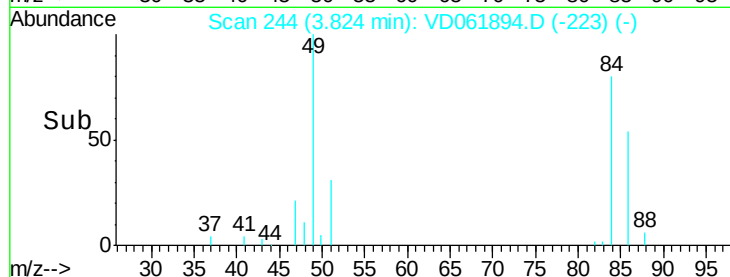


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061894.D

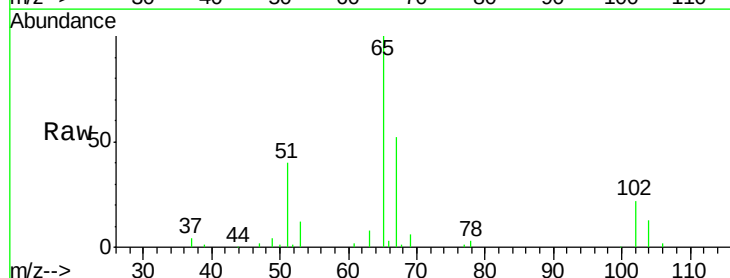
Acq: 19 Apr 2019 4:05

Tgt Ion: 65 Resp: 191818

Ion Ratio Lower Upper

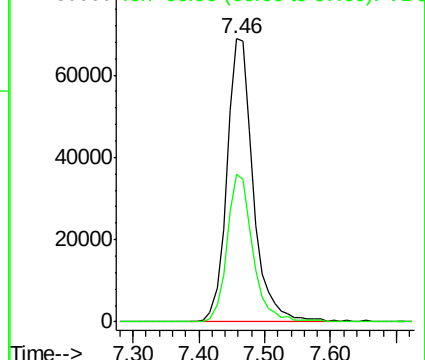
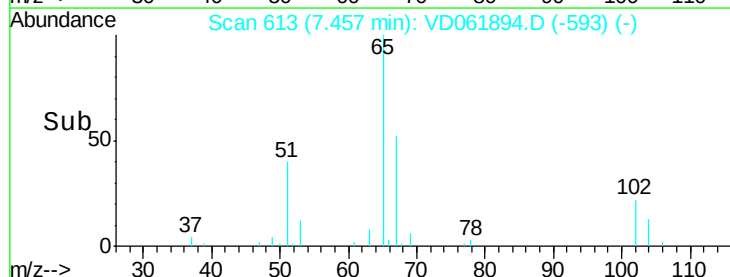
65 100

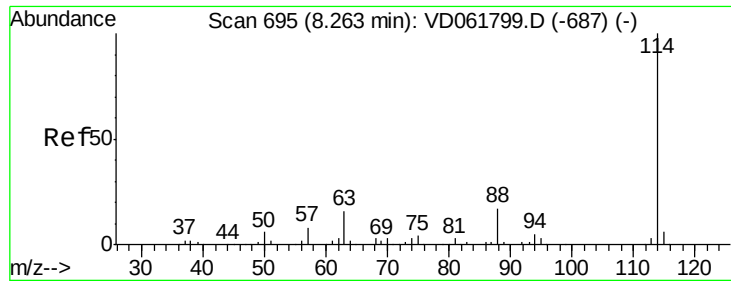
67 52.0 0.0 98.0



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: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2

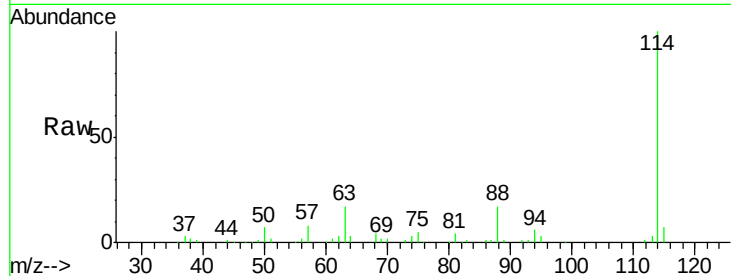
Tot Ion:114 Resp: 602393

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

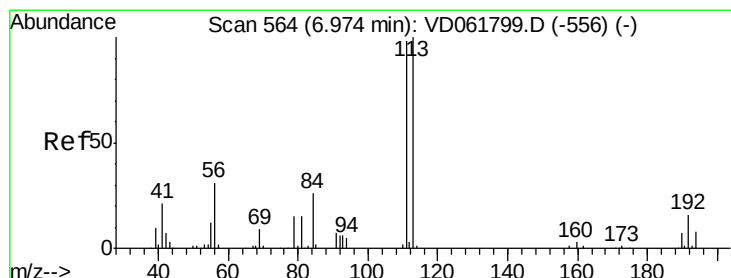
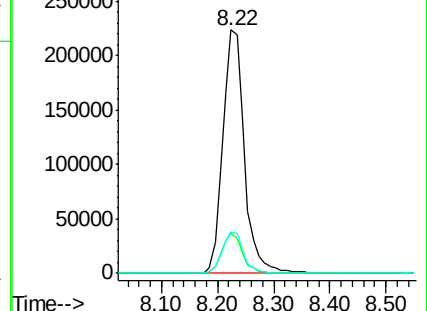
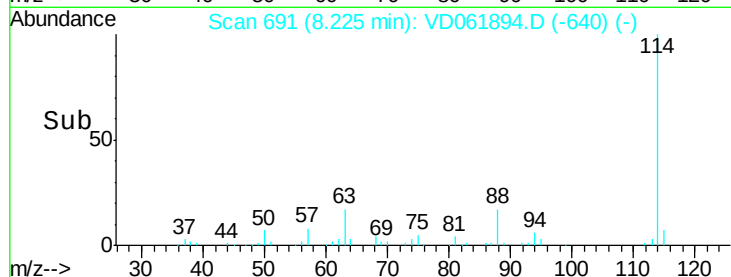
88 16.8 0.0 33.6



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: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

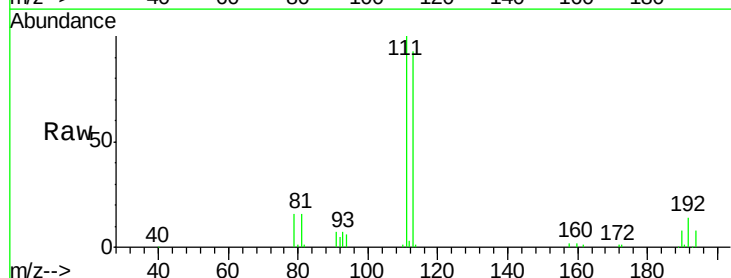
Tgt Ion:113 Resp: 281782

Ion Ratio Lower Upper

113 100

111 107.5 78.5 117.7

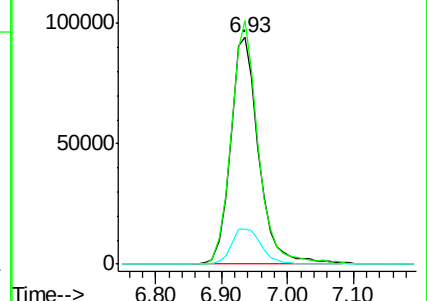
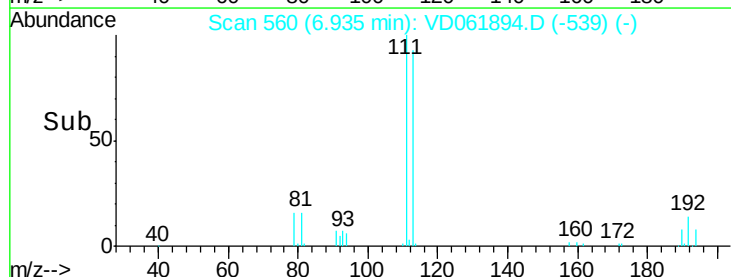
192 15.5 13.0 19.4

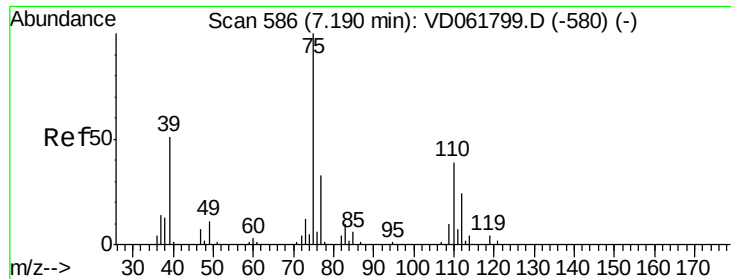


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

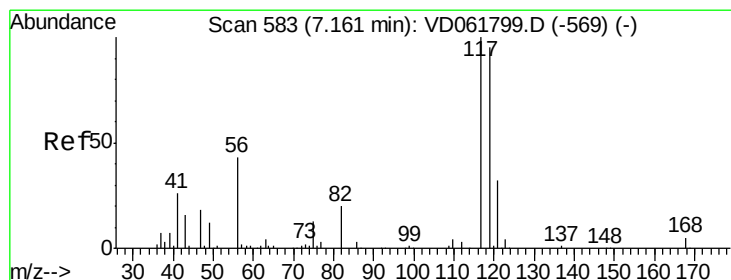
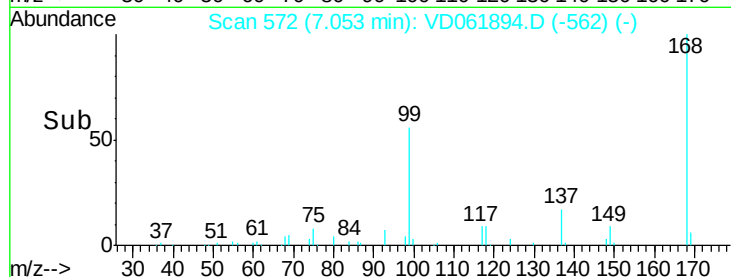
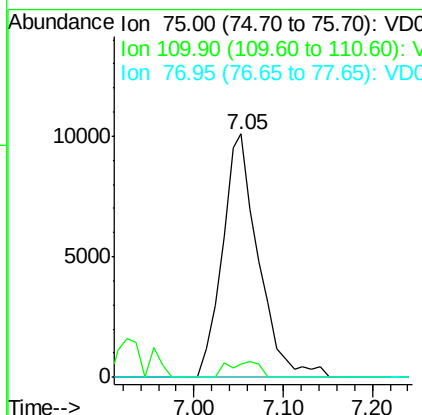
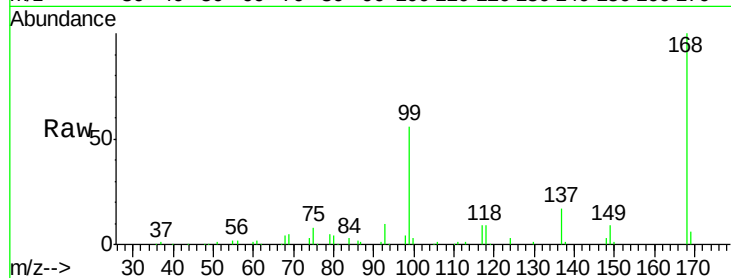




#36
 1,1-Dichloropropene
 Concen: 5.761 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD061894.D
 Acq: 19 Apr 2019 4:05

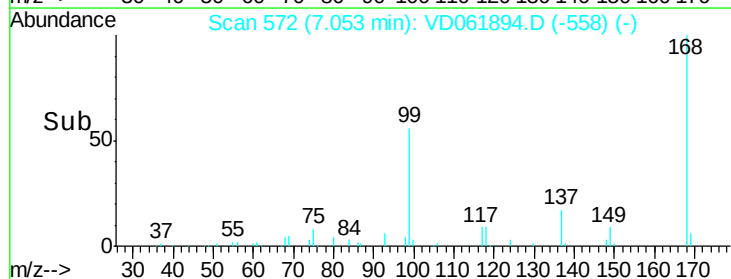
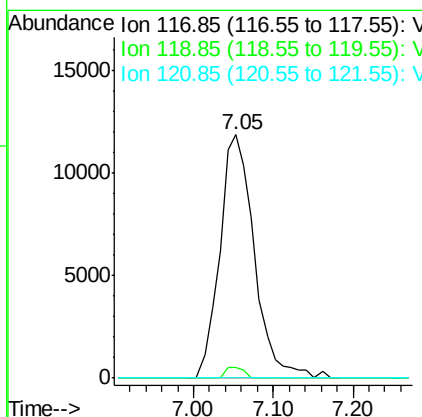
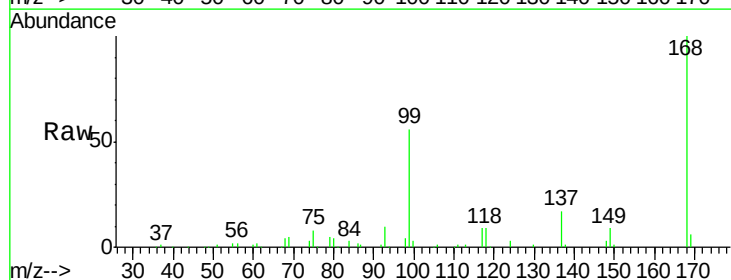
Instrument :
 MSVOA_D
 ClientSampled :
 TP-21-S2

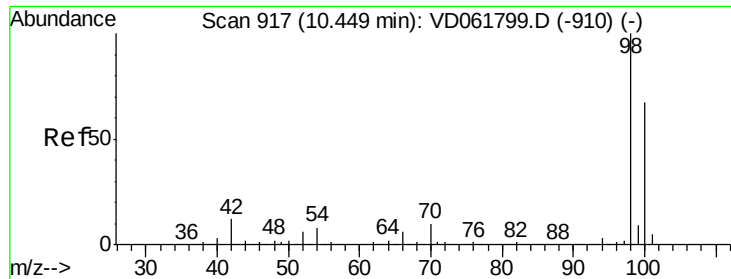
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.792 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061894.D
 Acq: 19 Apr 2019 4:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.8#
121	0.0	25.9	38.9#

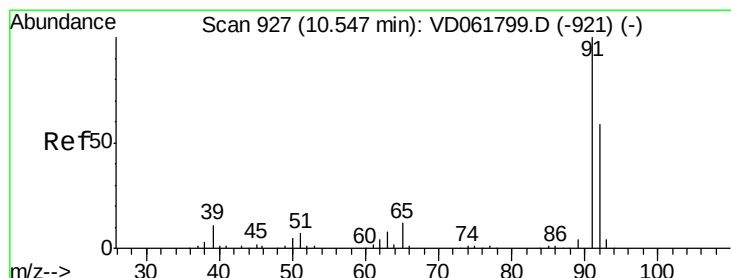
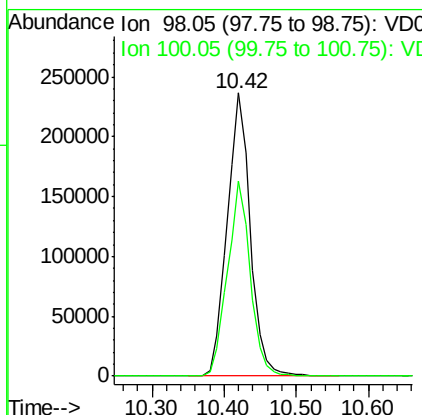
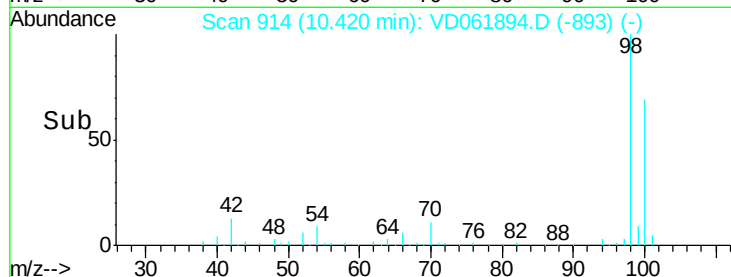
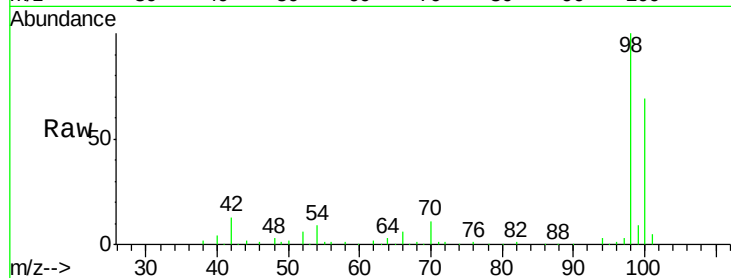




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061894.D
Acq: 19 Apr 2019 4:05

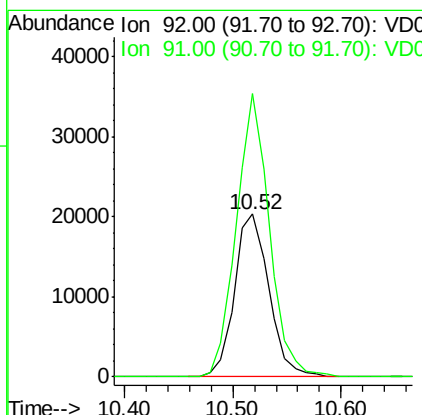
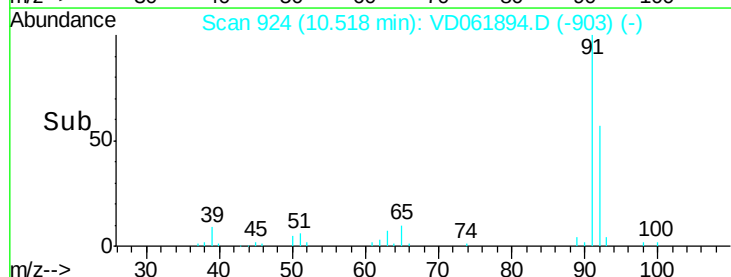
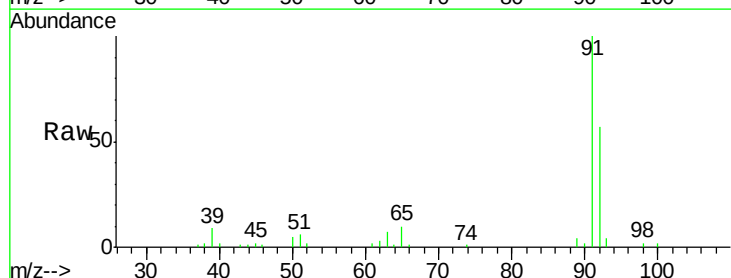
Instrument :
MSVOA_D
ClientSampleId :
TP-21-S2

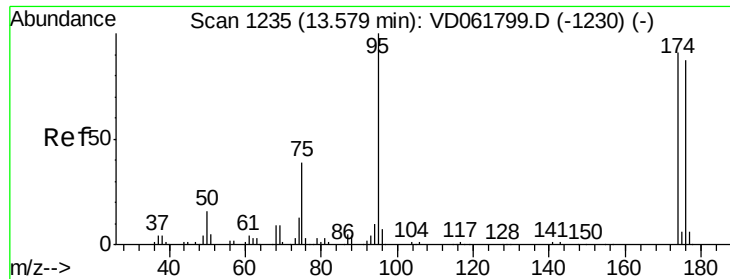
Tot Ion: 98 Resp: 528595
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8



#52
Toluene
Concen: 5.906 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD061894.D
Acq: 19 Apr 2019 4:05

Tgt Ion: 92 Resp: 44725
Ion Ratio Lower Upper
92 100
91 174.0 136.6 204.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2

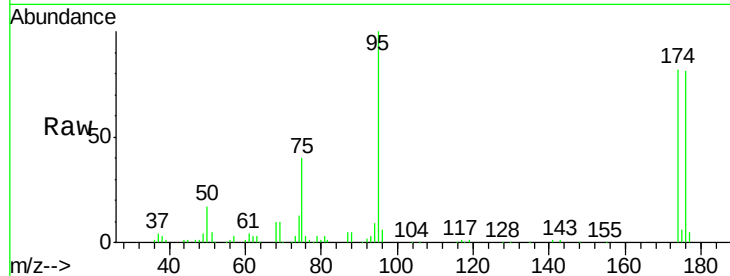
Tot Ion: 95 Resp: 213593

Ion Ratio Lower Upper

95 100

174 82.3 0.0 181.8

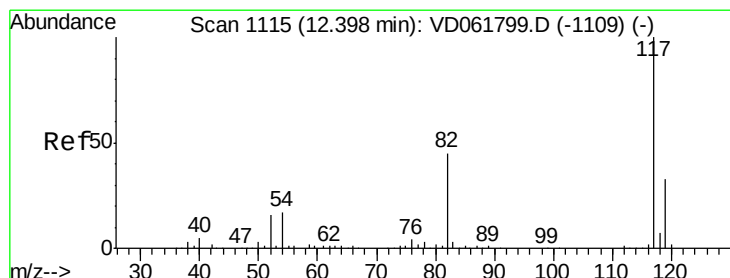
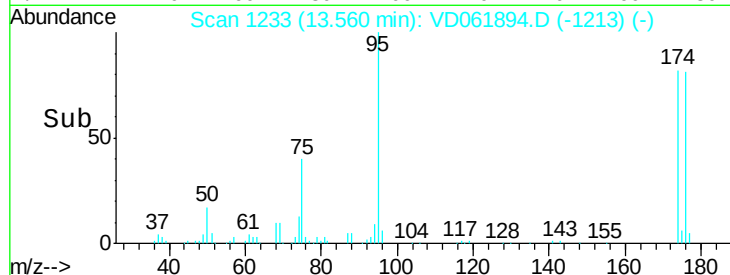
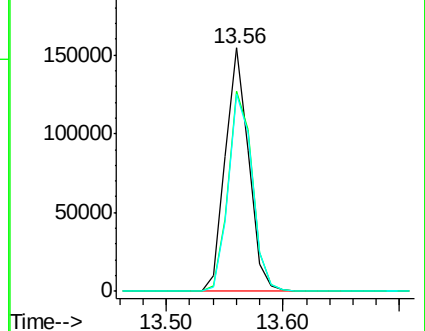
176 80.9 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

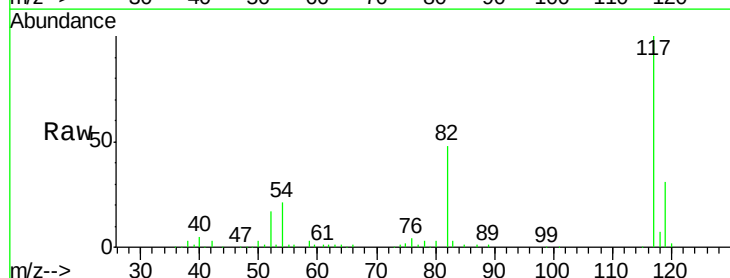
Tgt Ion: 117 Resp: 439332

Ion Ratio Lower Upper

117 100

82 47.7 36.2 54.2

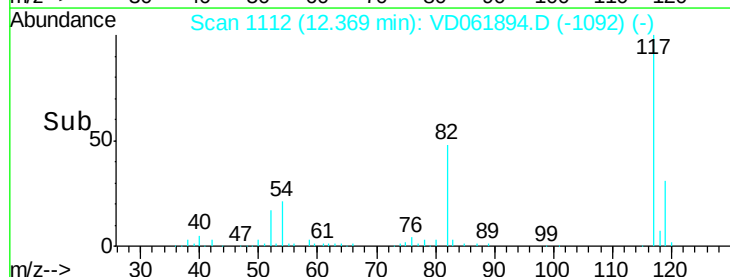
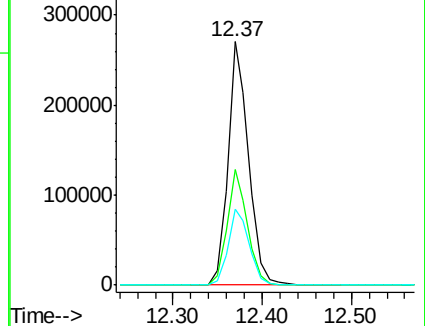
119 31.4 26.2 39.4

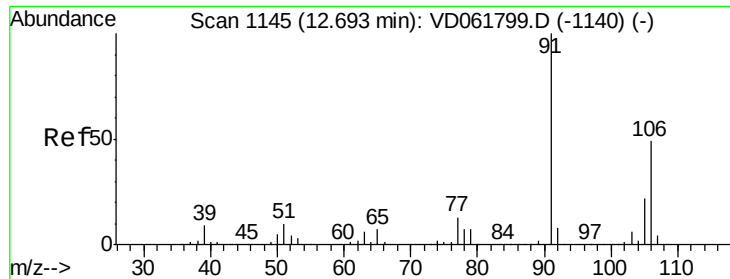


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

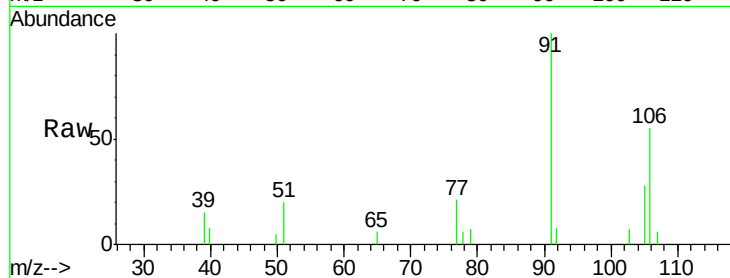




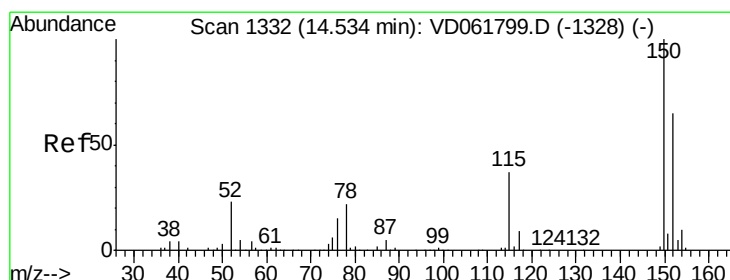
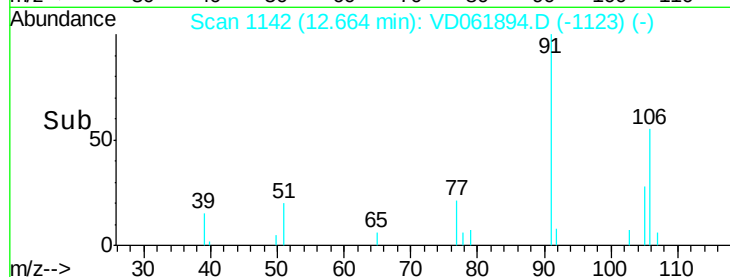
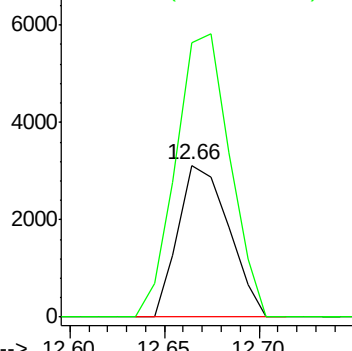
#68
m/p-Xvlenes
Concen: 1.176 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061894.D
Acq: 19 Apr 2019 4:05

Instrument :
MSVOA_D
ClientSampleId :
TP-21-S2

Tot Ion:106 Resp: 5788
Ion Ratio Lower Upper
106 100
91 180.7 164.0 246.0

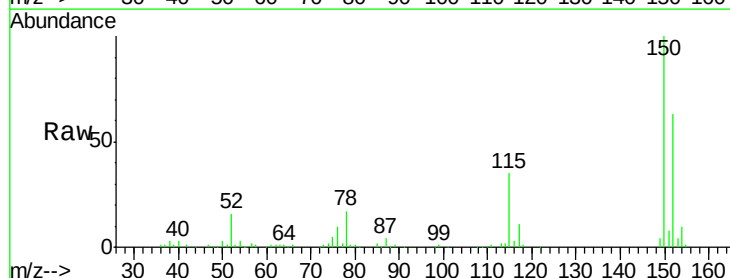


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

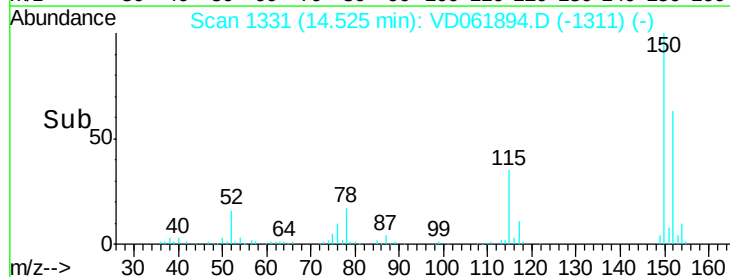
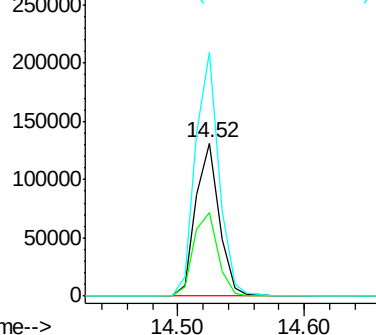


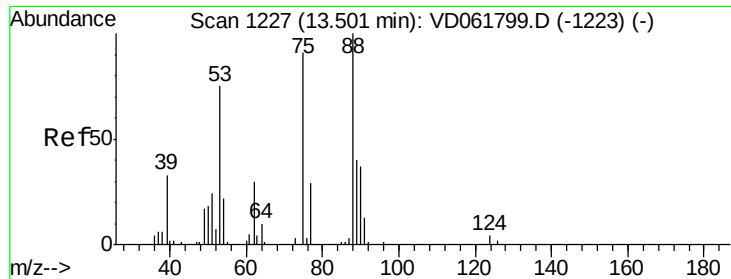
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061894.D
Acq: 19 Apr 2019 4:05

Tgt Ion:152 Resp: 168880
Ion Ratio Lower Upper
152 100
115 55.0 30.9 92.7
150 159.0 0.0 314.8



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: 109.483 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061894.D

Acq: 19 Apr 2019 4:05

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2

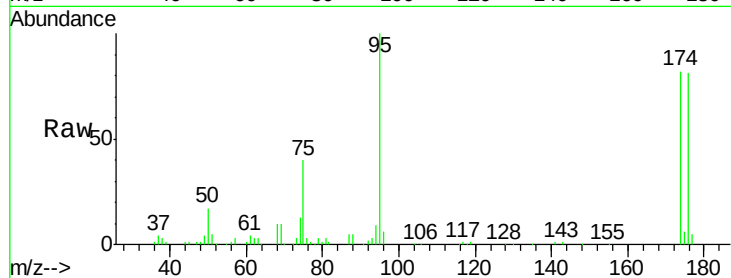
Tot Ion: 75 Resp: 81746

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

