

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061494.D
 Acq On : 2 Apr 2019 4:53
 Operator : VA/AP
 Sample : K1689-05RE
 Misc : 5.63q/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 06:29:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

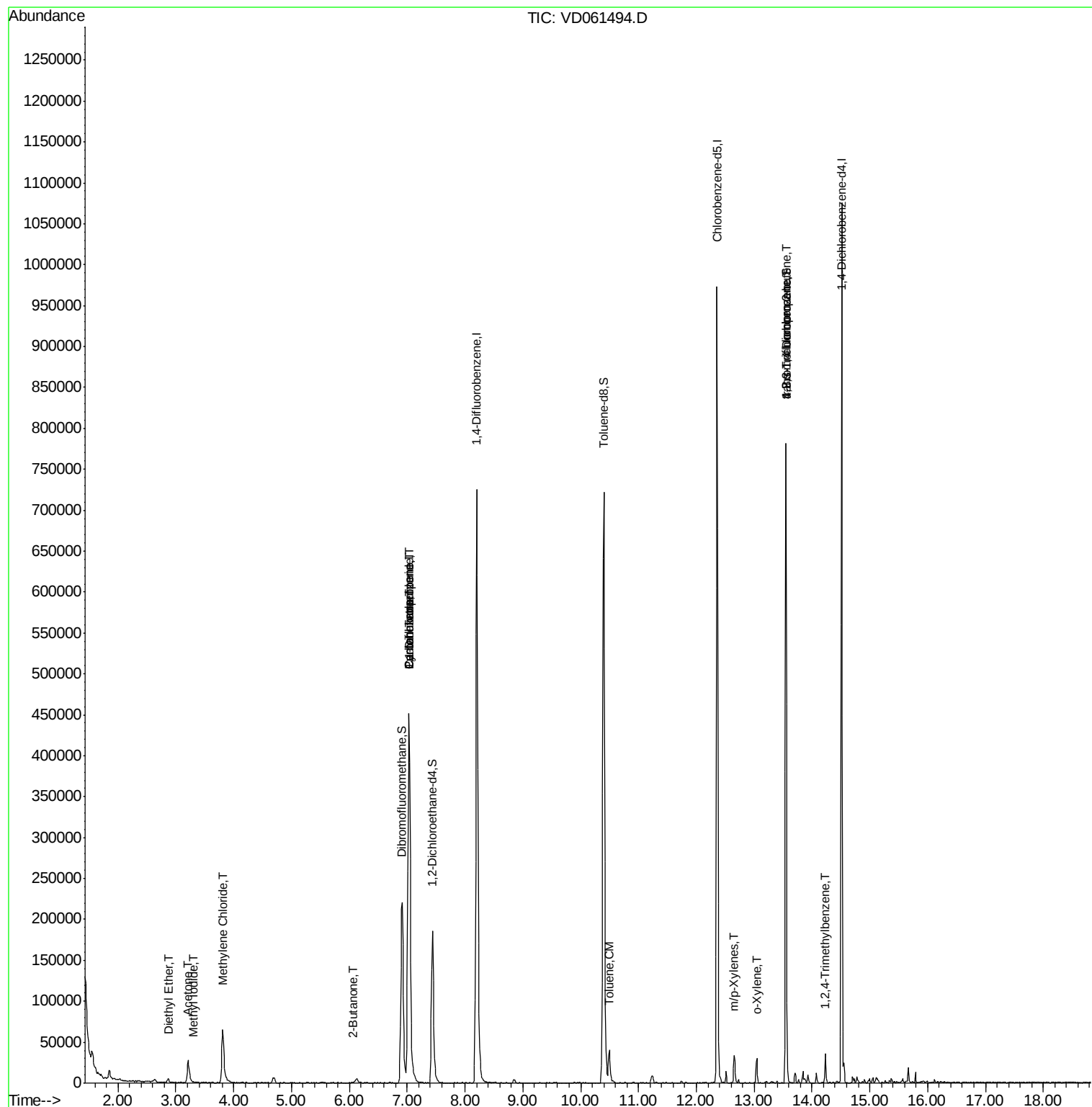
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	484584	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	868349	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	603736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	234452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	190274	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
35) Dibromofluoromethane	6.91	113	214985	32.40	ug/l	0.01
Spiked Amount 50.000			Recovery	=	64.80%	
50) Toluene-d8	10.40	98	648167	40.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	81.46%	
62) 4-Bromofluorobenzene	13.55	95	235431	38.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.16%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2003	1.104	ug/l	80
10) Methyl Iodide	3.31	142	389	3.505	ug/l #	38
16) Acetone	3.21	43	56114	52.732	ug/l	94
20) Methylene Chloride	3.81	84	50713	6.850	ug/l	94
25) 2-Butanone	6.07	43	2332	1.742	ug/l #	54
31) Cyclohexane	7.03	56	8515	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	35433	4.675	ug/l #	47
38) Carbon Tetrachloride	7.03	117	45501	5.225	ug/l #	15
52) Toluene	10.50	92	21609	1.862	ug/l	94
68) m/p-Xylenes	12.65	106	10755	1.508	ug/l	86
69) o-Xylene	13.05	106	9133	1.319	ug/l	92
76) 1,2,3-Trichloropropane	13.55	75	62607	18.486	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	87912	85.136	ug/l #	18
84) 1,2,4-Trimethylbenzene	14.23	105	18154	1.324	ug/l	99

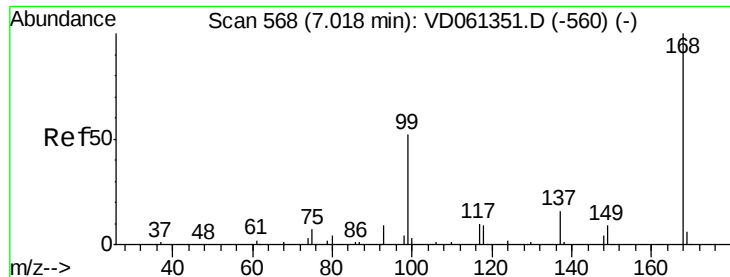
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061494.D

Acq: 2 Apr 2019 4:53

Instrument :

MSVOA_D

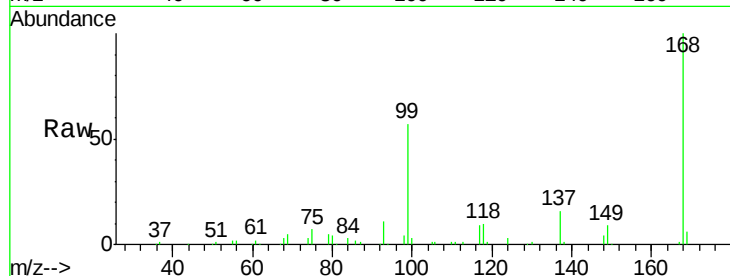
ClientSampled :

Tot Ion:168 Resp: 484584

Ion Ratio Lower Upper

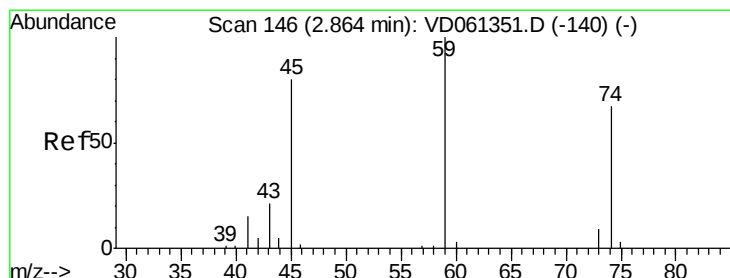
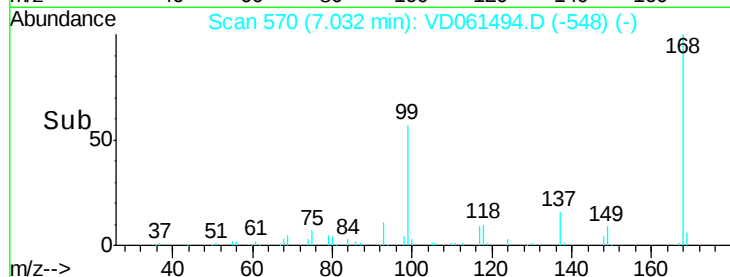
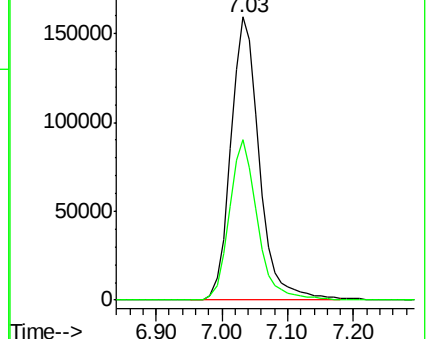
168 100

99 56.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.104 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD061494.D

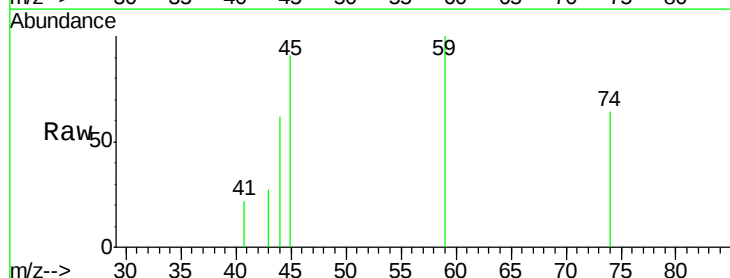
Acq: 2 Apr 2019 4:53

Tgt Ion: 74 Resp: 2003

Ion Ratio Lower Upper

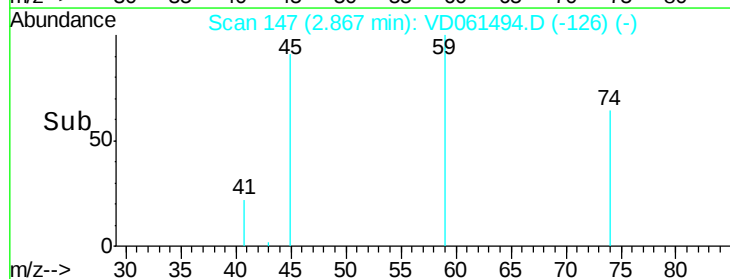
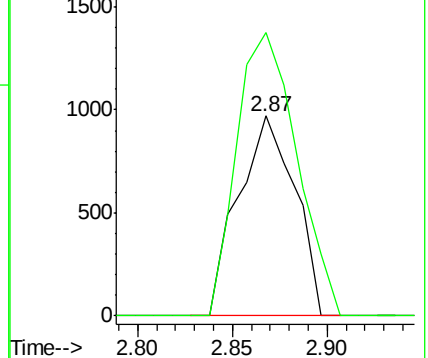
74 100

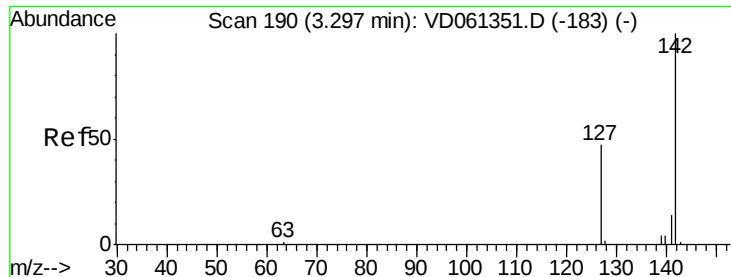
45 141.8 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

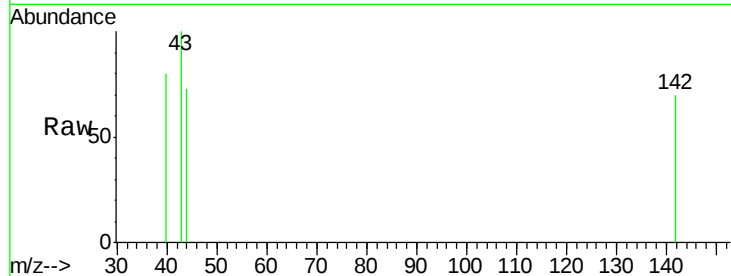




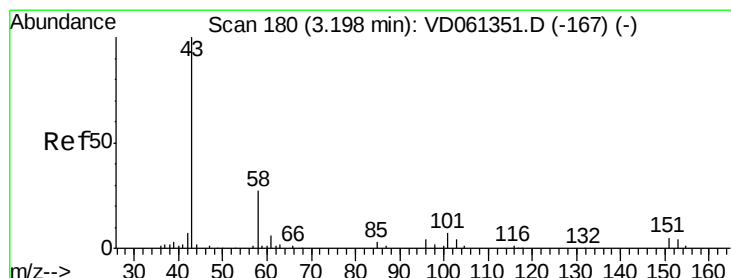
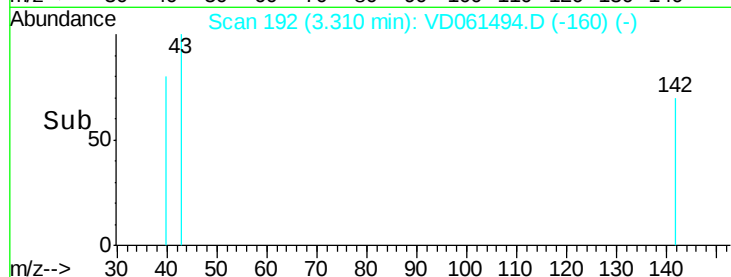
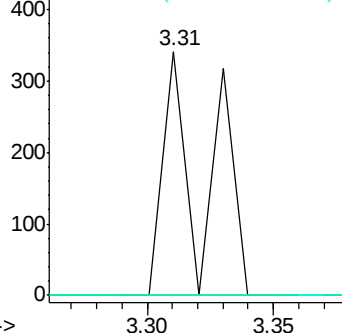
#10
Methyl Iodide
Concen: 3.505 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 389
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

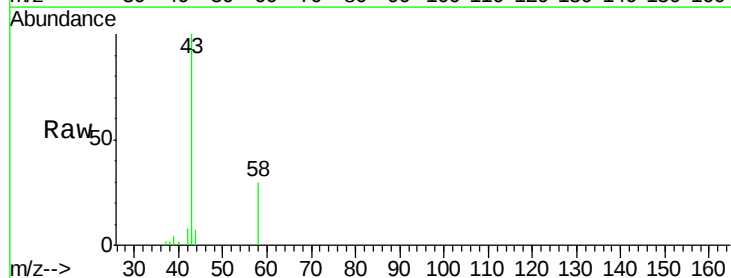


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

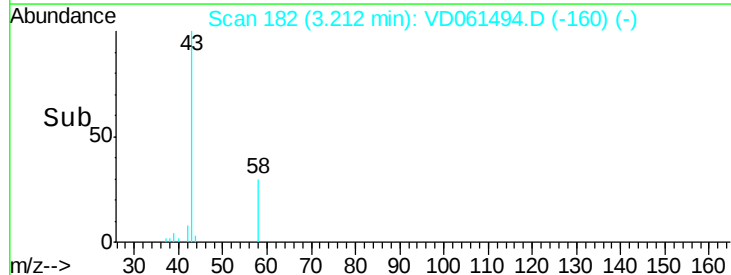
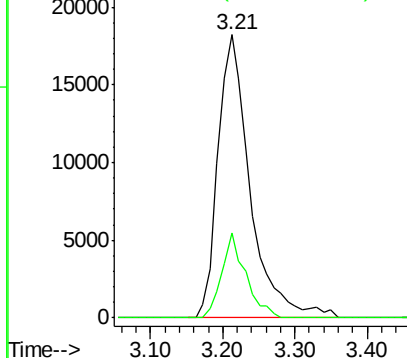


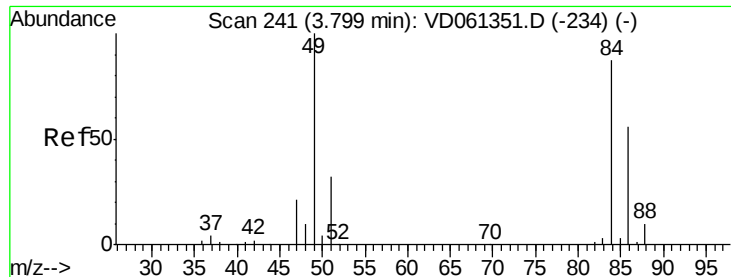
#16
Acetone
Concen: 52.732 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Tgt Ion: 43 Resp: 56114
Ion Ratio Lower Upper
43 100
58 29.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V

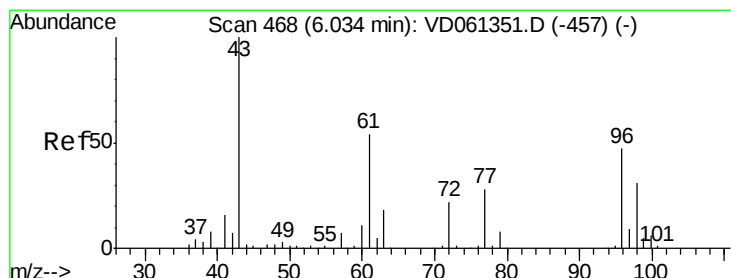
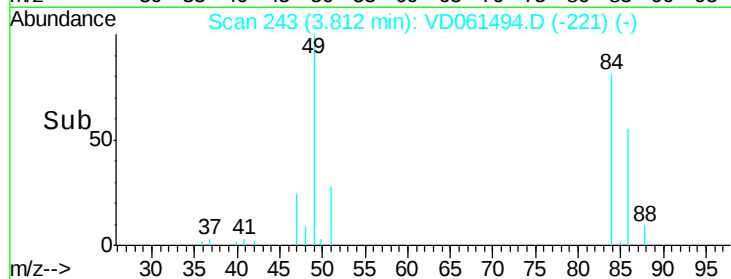
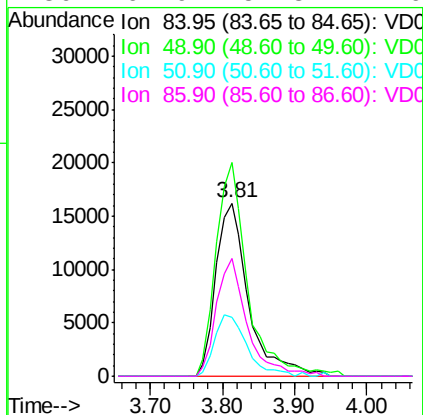
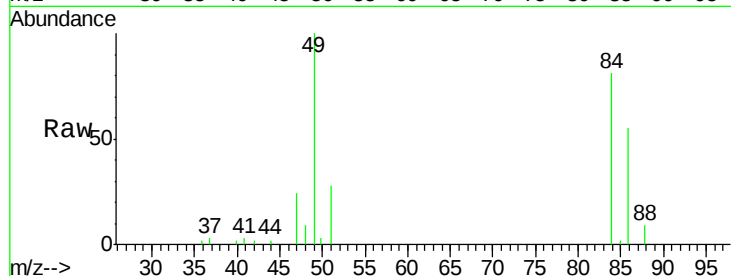




#20
Methvlene Chloride
Concen: 6.850 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

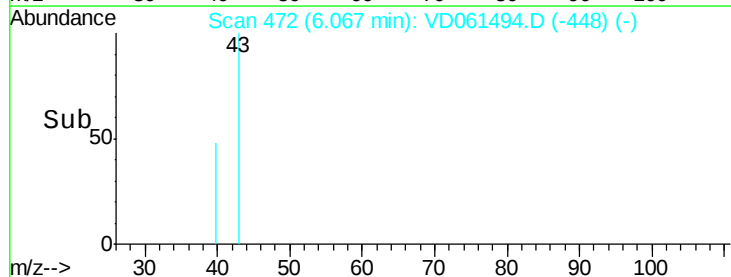
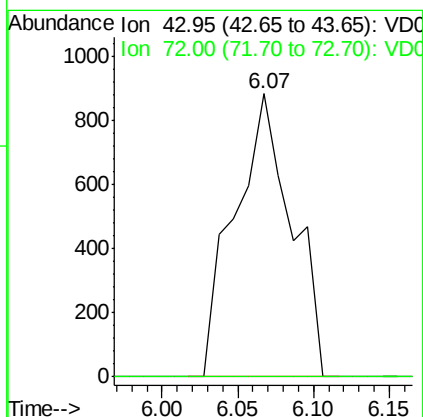
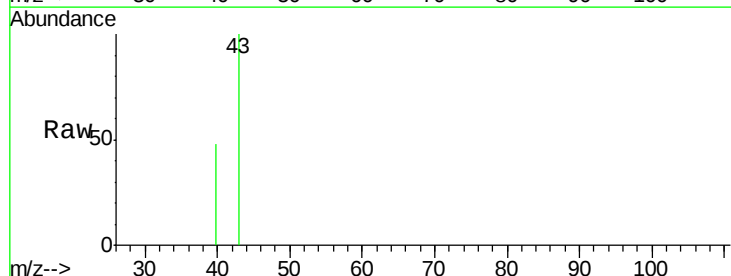
Instrument :
MSVOA_D
ClientSampleId :

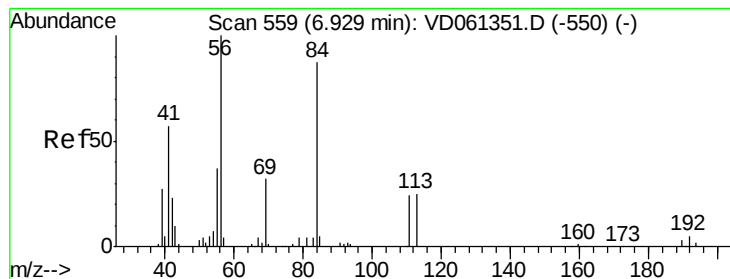
Tot Ion: 84 Resp: 50713
Ion Ratio Lower Upper
84 100
49 123.3 91.8 137.8
51 34.3 29.8 44.8
86 67.9 51.8 77.6



#25
2-Butanone
Concen: 1.742 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Tgt Ion: 43 Resp: 2332
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061494.D

Acq: 2 Apr 2019 4:53

Instrument :

MSVOA_D

ClientSampled :

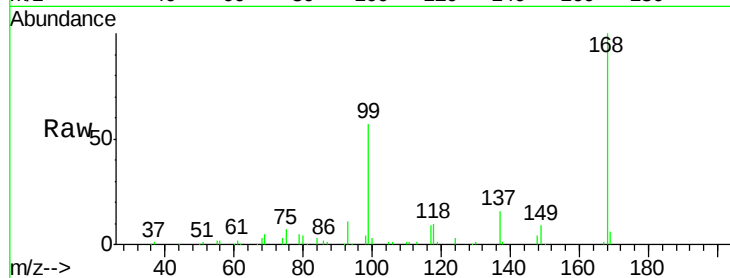
Tot Ion: 56 Resp: 8515

Ion Ratio Lower Upper

56 100

69 240.7 25.7 38.5#

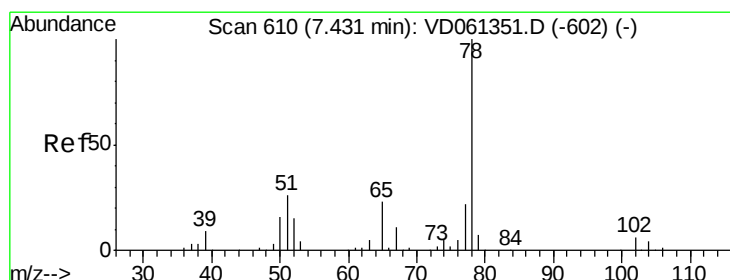
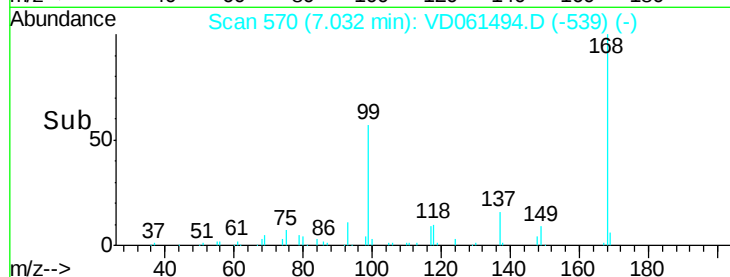
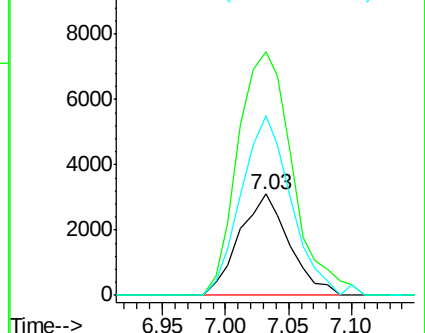
84 177.0 70.6 105.8#



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: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061494.D

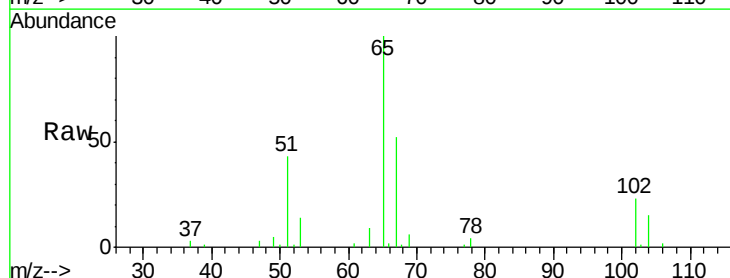
Acq: 2 Apr 2019 4:53

Tgt Ion: 65 Resp: 190274

Ion Ratio Lower Upper

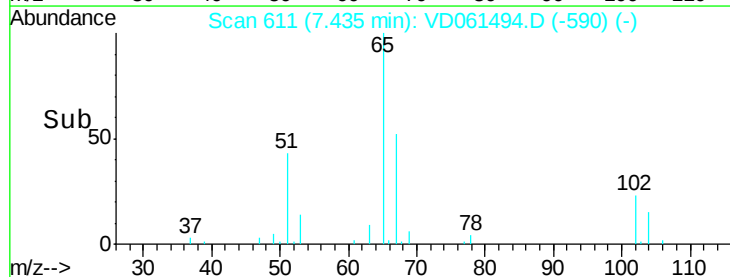
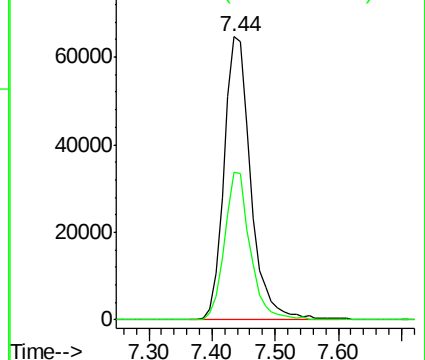
65 100

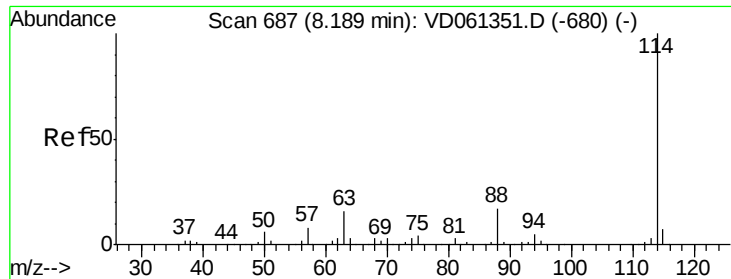
67 52.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

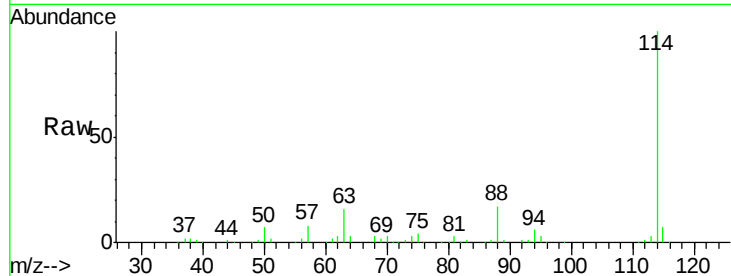




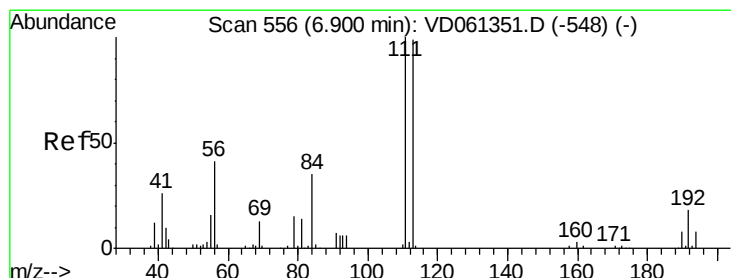
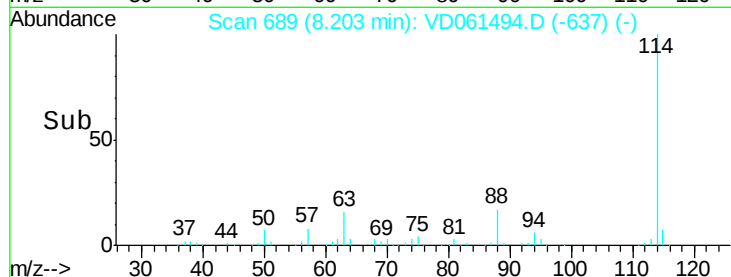
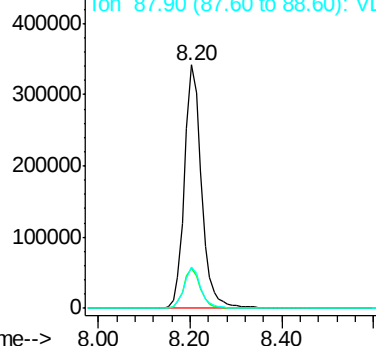
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061494.D
 Acq: 2 Apr 2019 4:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 868349
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.6
 88 17.0 0.0 33.4

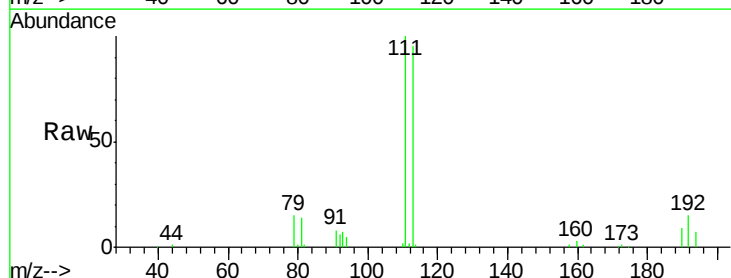


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

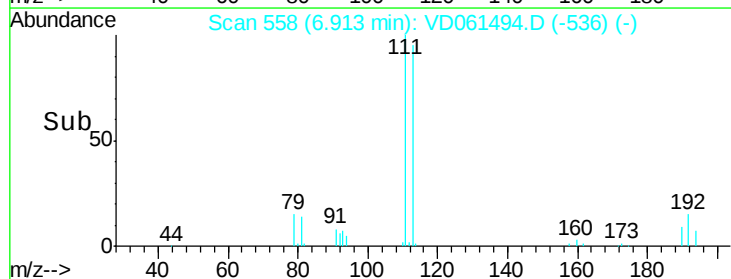
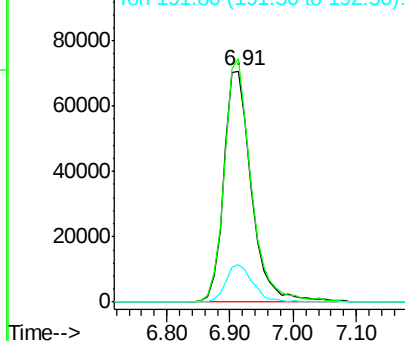


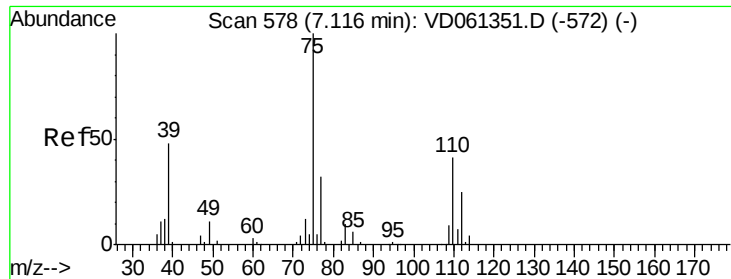
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061494.D
 Acq: 2 Apr 2019 4:53

Tgt Ion:113 Resp: 214985
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.0 121.6
 192 16.3 14.4 21.6



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

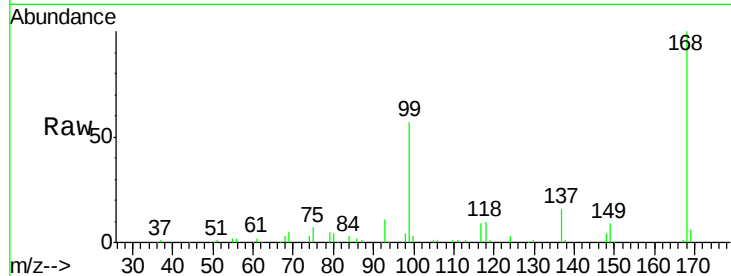




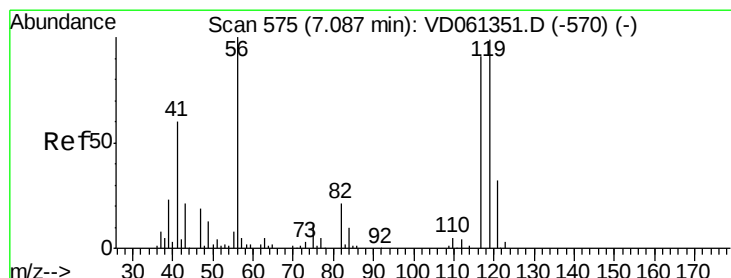
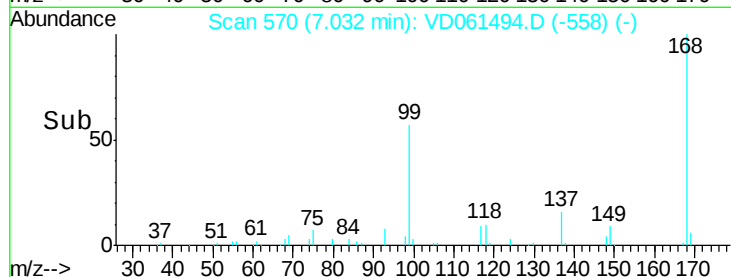
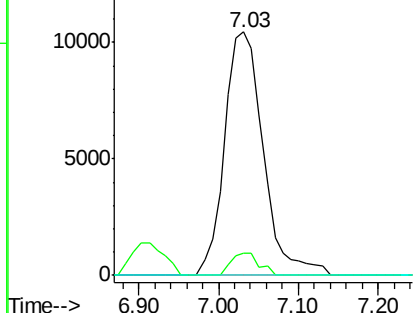
#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061494.D
 Acq: 2 Apr 2019 4:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	20.4	61.3#
77	0.0	24.9	37.3#

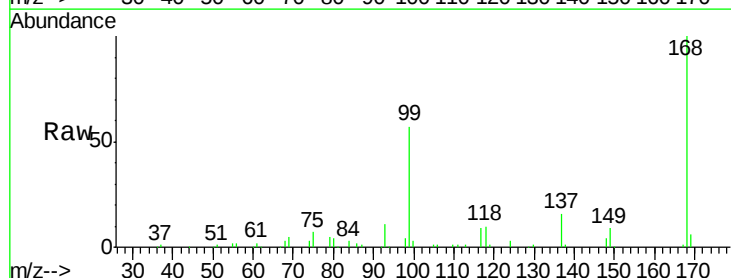


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

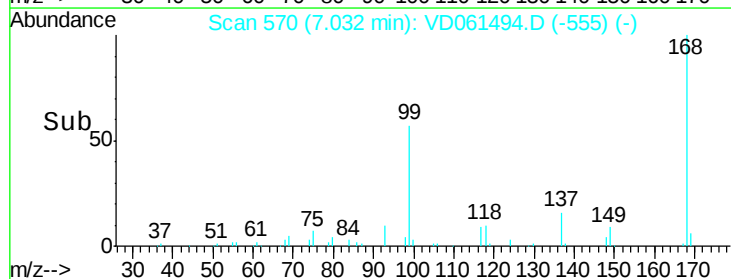
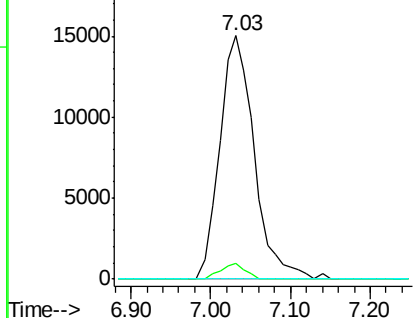


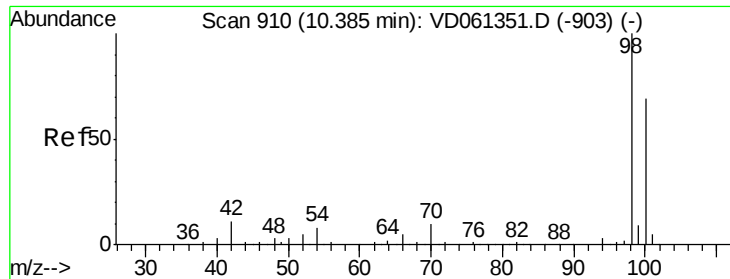
#38
 Carbon Tetrachloride
 Concen: 5.225 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD061494.D
 Acq: 2 Apr 2019 4:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	80.1	120.1#
121	0.0	25.6	38.4#



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

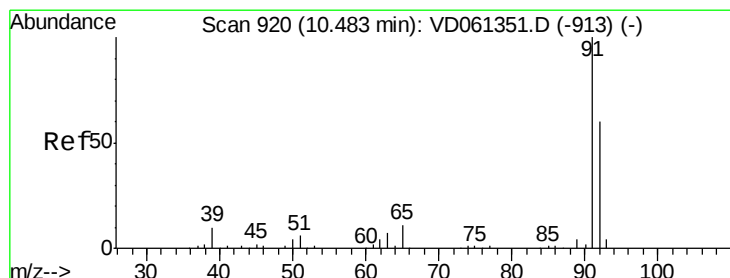
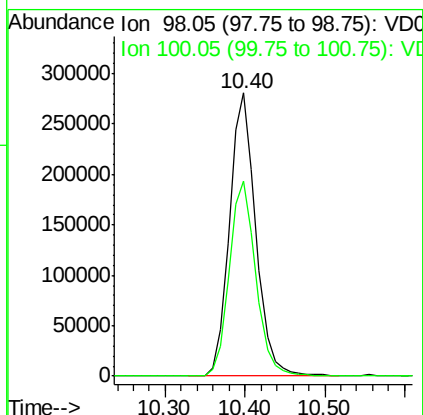
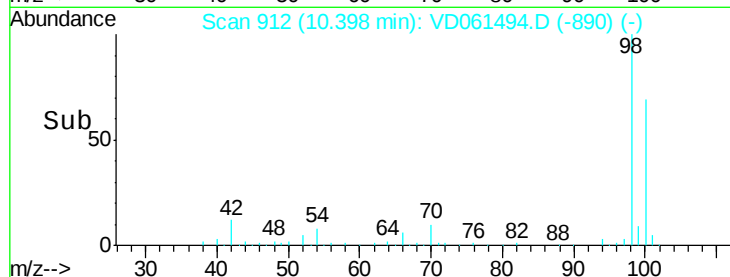
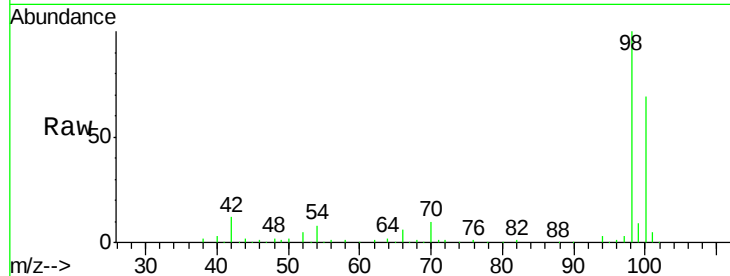




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

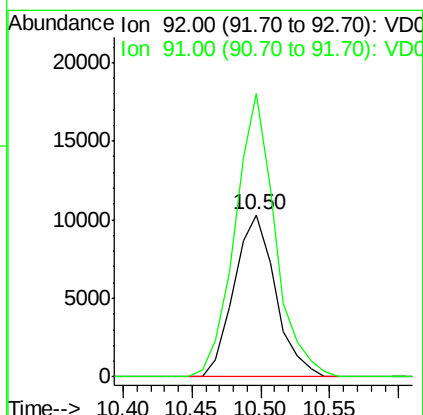
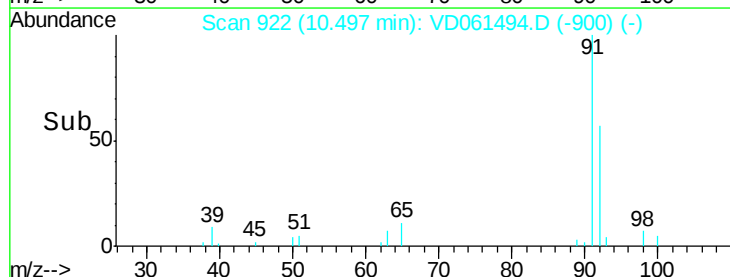
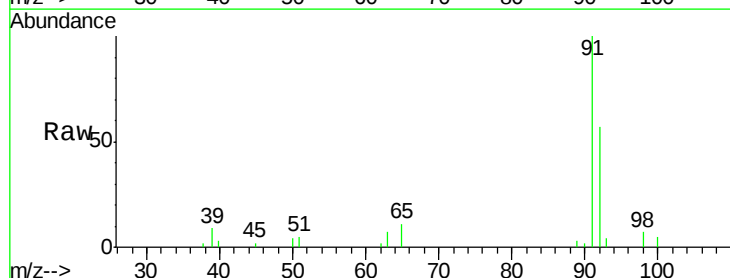
Instrument :
MSVOA_D
ClientSampleId :

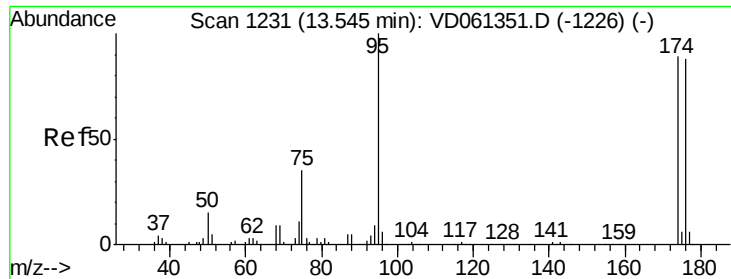
Tot Ion: 98 Resp: 648167
Ion Ratio Lower Upper
98 100
100 68.9 56.2 84.2



#52
Toluene
Concen: 1.862 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Tgt Ion: 92 Resp: 21609
Ion Ratio Lower Upper
92 100
91 174.7 133.3 199.9

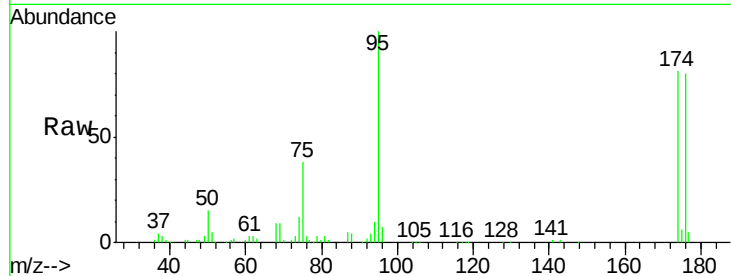




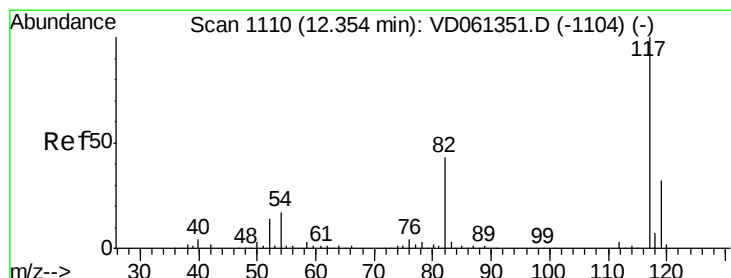
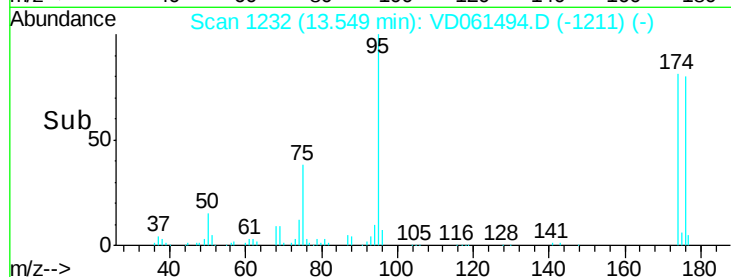
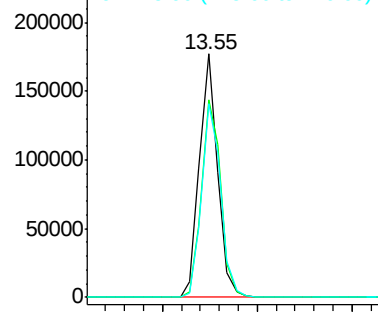
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 235431
Ion Ratio Lower Upper
95 100
174 81.1 0.0 178.0
176 79.7 0.0 175.0

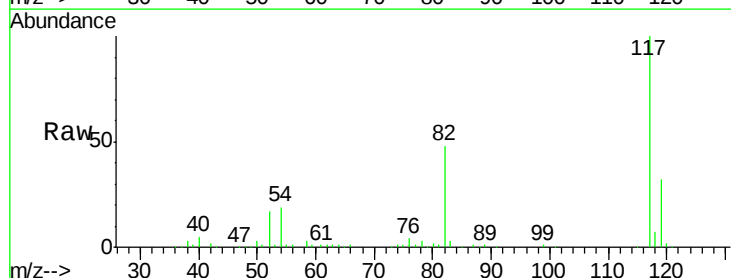


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

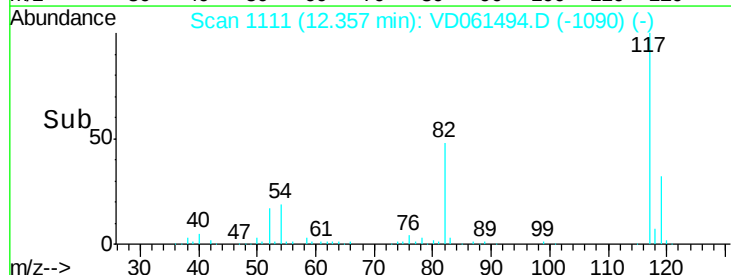
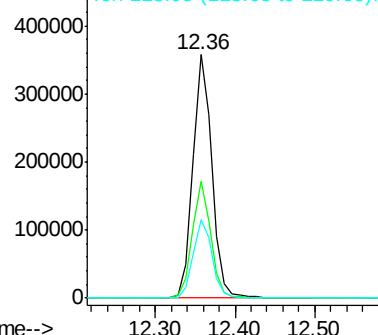


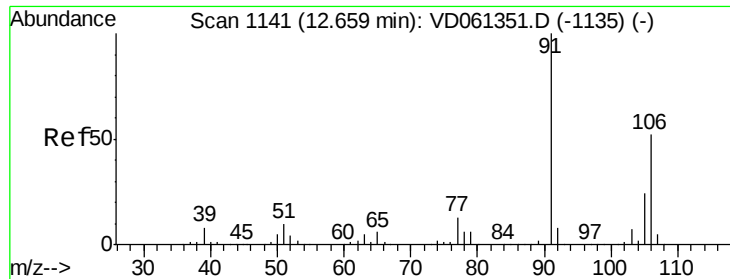
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Tgt Ion: 117 Resp: 603736
Ion Ratio Lower Upper
117 100
82 48.0 34.4 51.6
119 32.2 25.8 38.6



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

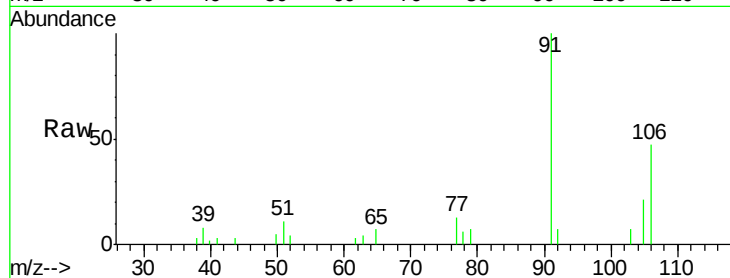




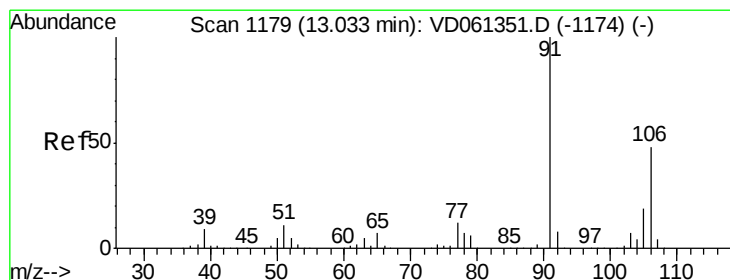
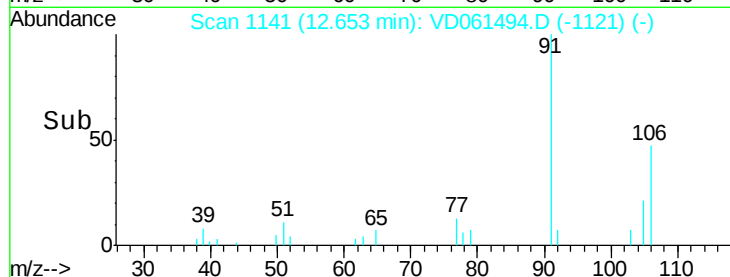
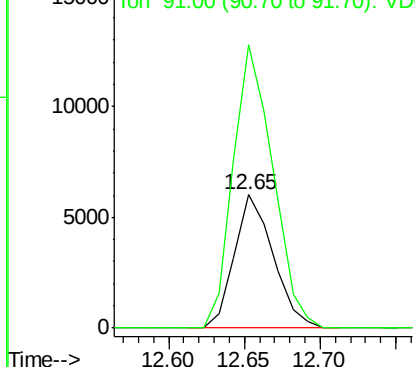
#68
m/p-Xylenes
Concen: 1.508 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 10755
Ion Ratio Lower Upper
106 100
91 212.4 153.1 229.7

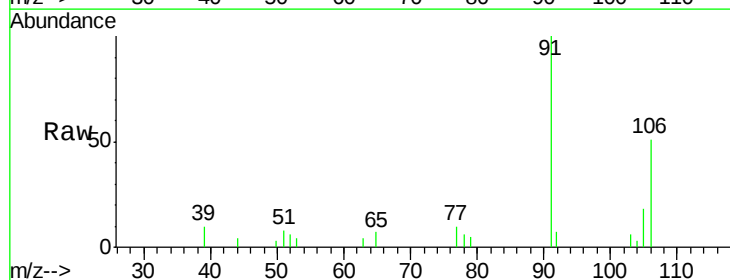


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

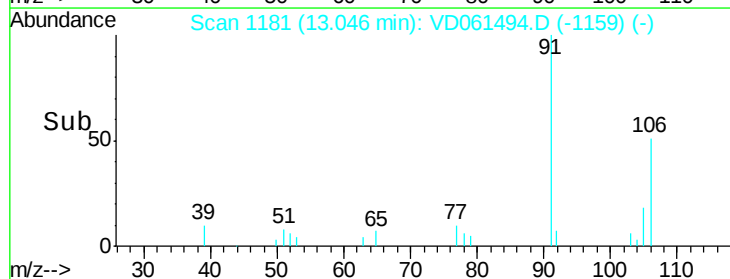
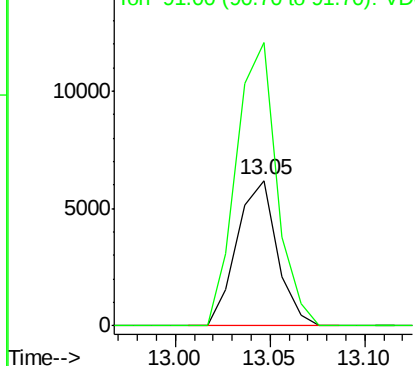


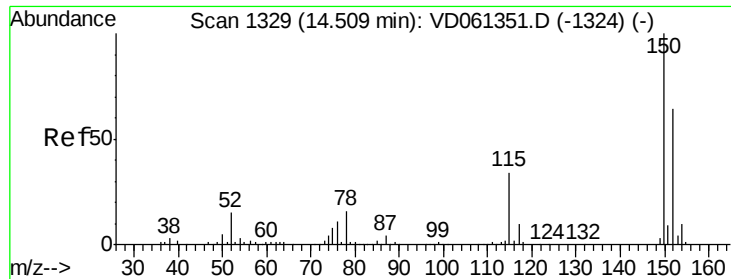
#69
o-Xylene
Concen: 1.319 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061494.D
Acq: 2 Apr 2019 4:53

Tgt Ion:106 Resp: 9133
Ion Ratio Lower Upper
106 100
91 194.9 103.8 311.3



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061494.D

Acq: 2 Apr 2019 4:53

Instrument :

MSVOA_D

ClientSampled :

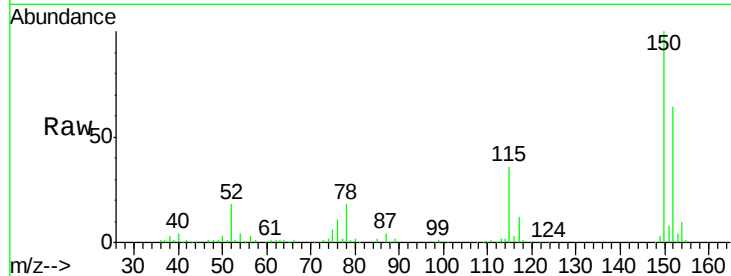
Tot Ion:152 Resp: 234452

Ion Ratio Lower Upper

152 100

115 55.8 26.9 80.6

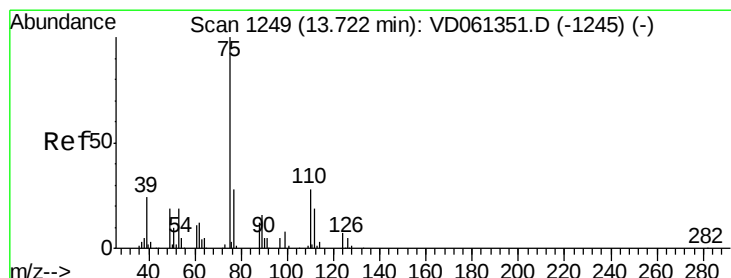
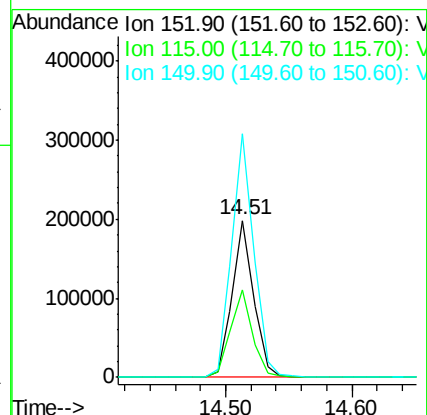
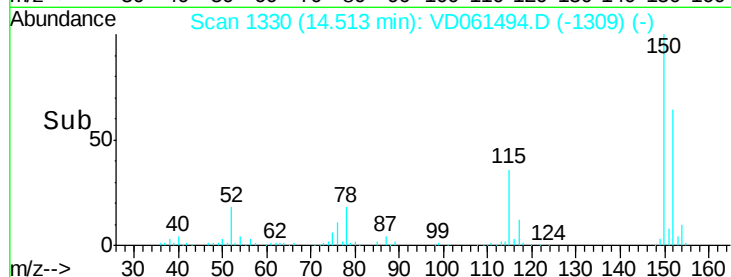
150 155.3 0.0 318.0



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



#76

1,2,3-Trichloropropane

Concen: 18.486 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061494.D

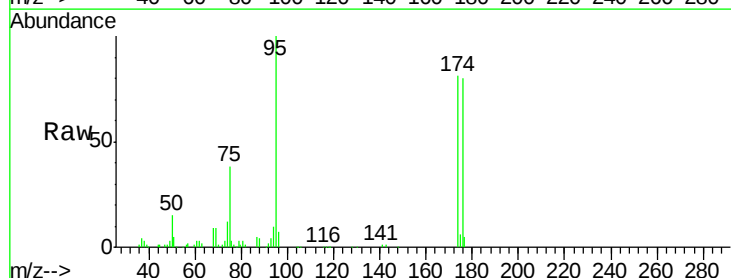
Acq: 2 Apr 2019 4:53

Tgt Ion: 75 Resp: 62607

Ion Ratio Lower Upper

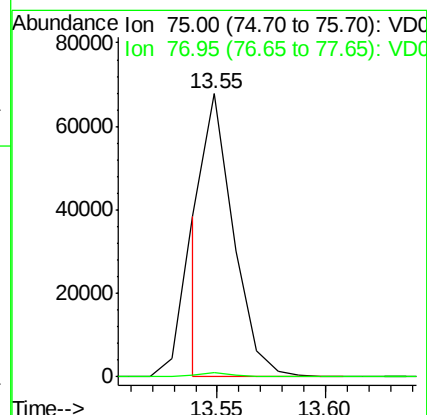
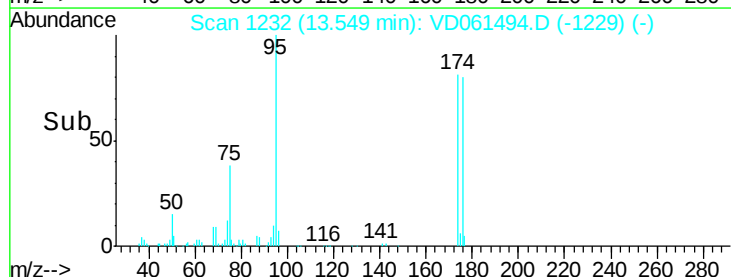
75 100

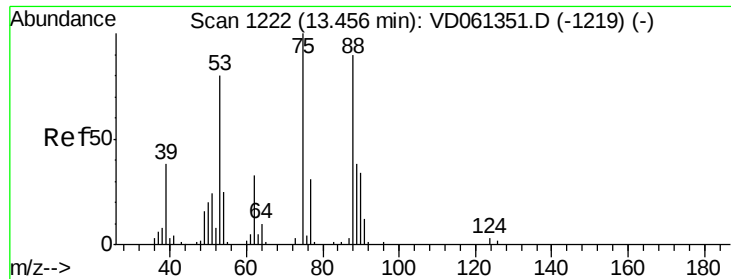
77 1.5 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 85.136 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061494.D

Acq: 2 Apr 2019 4:53

Instrument :

MSVOA_D

ClientSampleId :

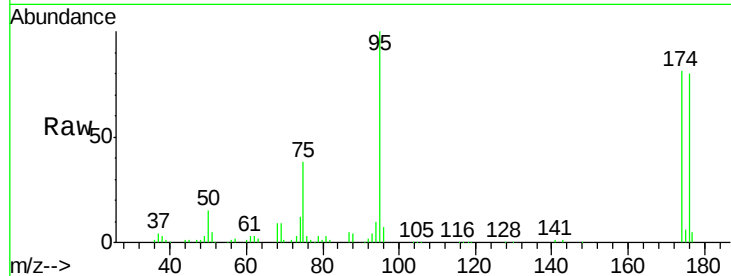
Tot Ion: 75 Resp: 87912

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

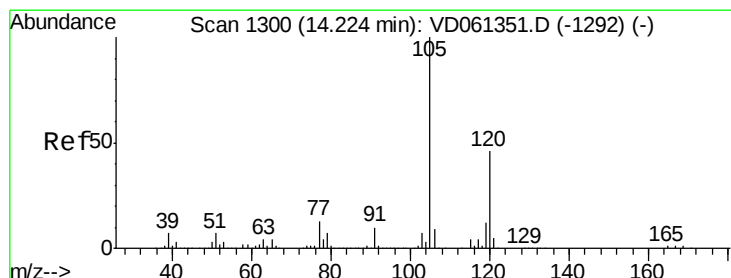
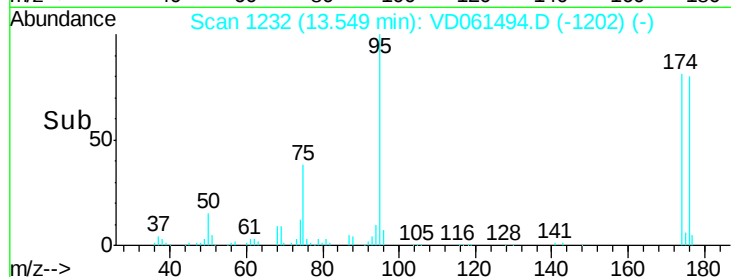
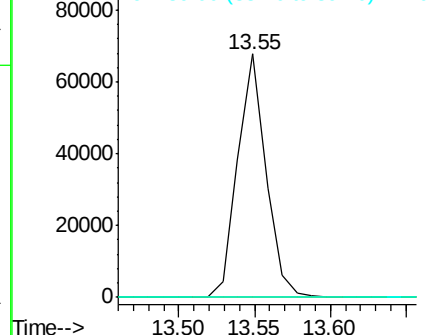
89 0.0 30.5 45.7#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.324 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061494.D

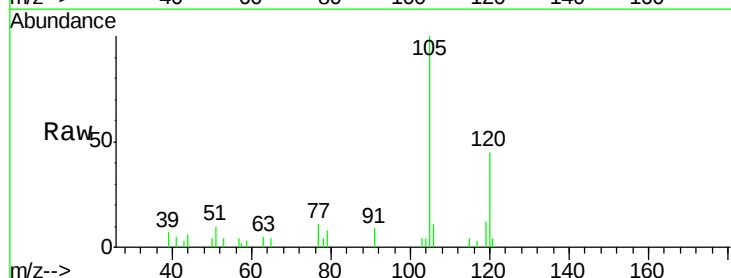
Acq: 2 Apr 2019 4:53

Tgt Ion:105 Resp: 18154

Ion Ratio Lower Upper

105 100

120 45.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

