

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061500.D
 Acq On : 2 Apr 2019 7:39
 Operator : VA/AP
 Sample : K2180-17
 Misc : 6.18g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10S1

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:39:18 AM

Quant Time: Apr 02 09:09:08 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	462768	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	794068	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	536796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	200310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	213408	53.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.96%	
35) Dibromofluoromethane	6.91	113	310319	51.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.28%	
50) Toluene-d8	10.40	98	567163	38.97	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.94%	
62) 4-Bromofluorobenzene	13.55	95	240037	43.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.02%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	40627	39.978	ug/l	90
20) Methylene Chloride	3.81	84	56351	8.297	ug/l	94
39) Methylcyclohexane	8.85	83	118318	16.392	ug/l	98
52) Toluene	10.50	92	17943	1.691	ug/l	91
67) Ethyl Benzene	12.52	91	157500	9.406	ug/l	97
68) m/p-Xylenes	12.66	106	26488	4.176	ug/l	80
73) Isopropylbenzene	13.39	105	94334	6.766	ug/l	94
78) n-propylbenzene	13.77	91	506320	29.677	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	799990	73.957	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	510975	43.633	ug/l	99
85) sec-Butylbenzene	14.36	105	90838	6.325	ug/l	92
86) p-Isopropyltoluene	14.48	119	33284m	2.741	ug/l	
89) n-Butylbenzene	14.79	91	107750m	9.667	ug/l	
95) Naphthalene	16.11	128	12632	3.169	ug/l #	72

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

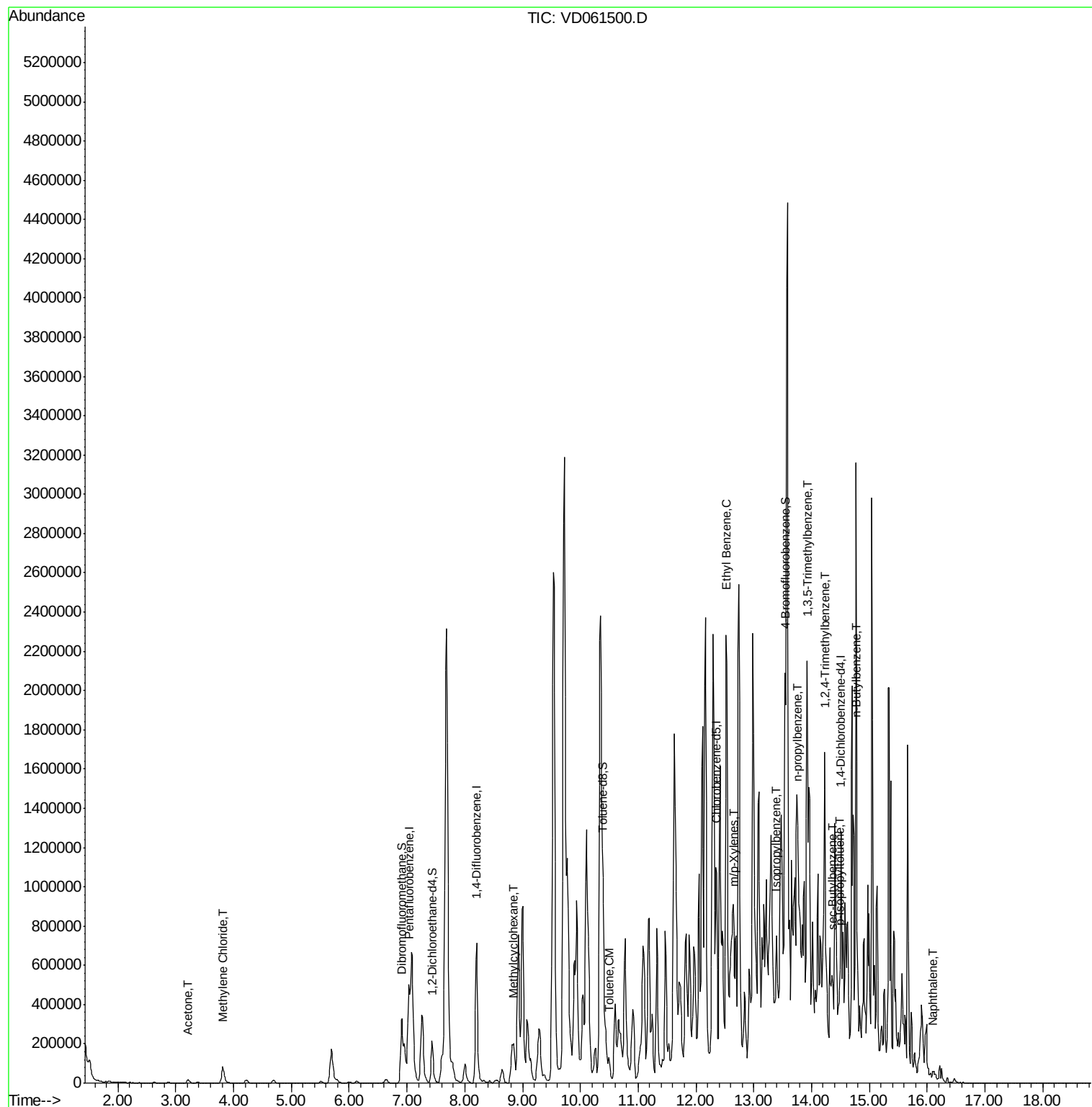
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061500.D
Acq On : 2 Apr 2019 7:39
Operator : VA/AP
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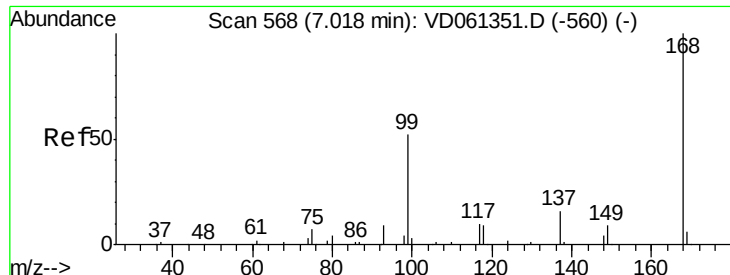
Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Manual Integrations
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Quant Time: Apr 02 09:09:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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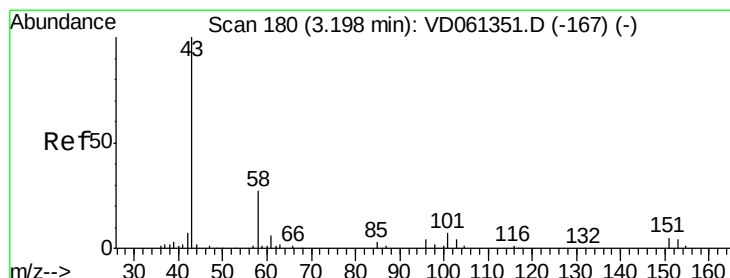
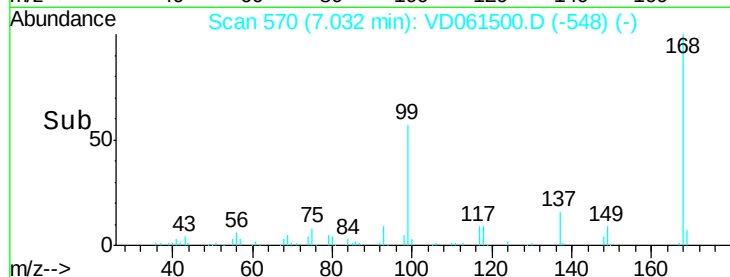
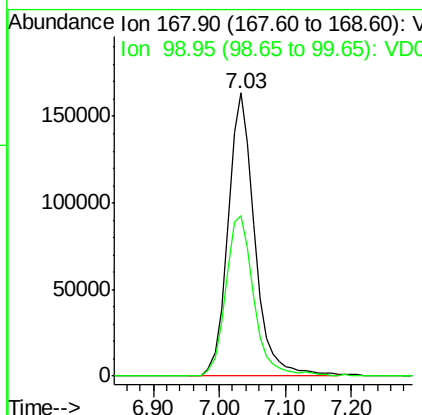
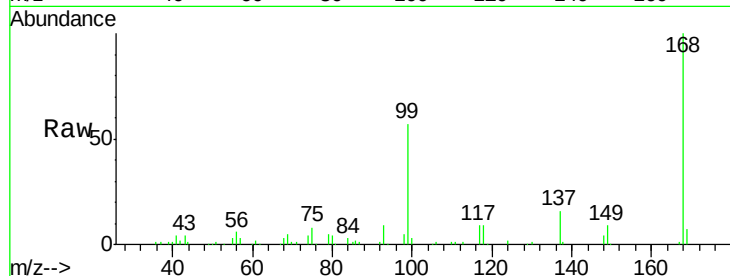
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		462768		
99	56.9		43.1	64.7	

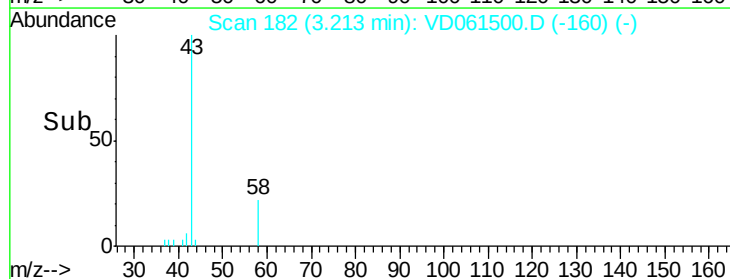
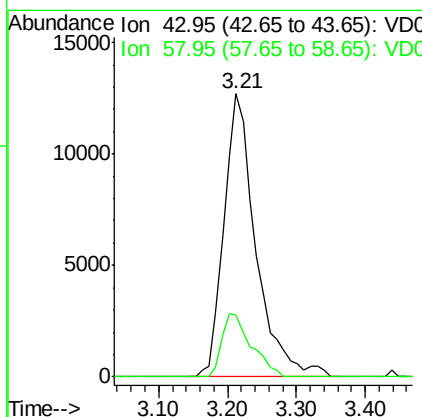
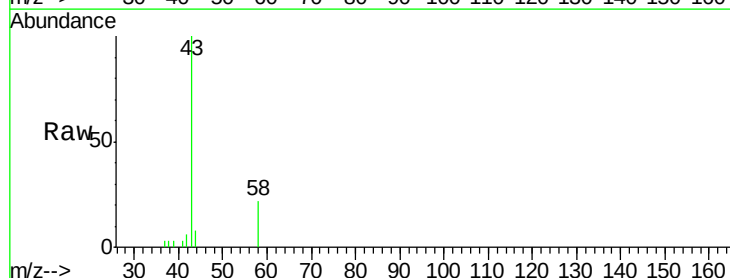
Manual Integrations
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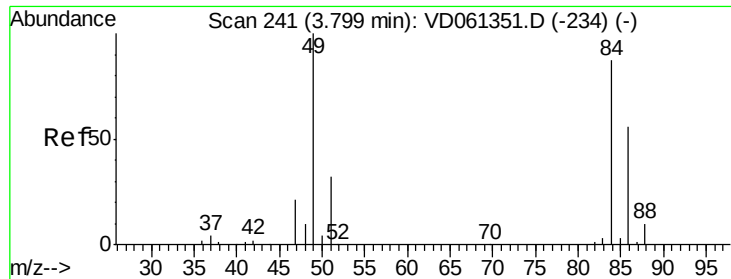
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#16
Acetone
Concen: 39.978 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		40627		
58	22.0		21.5	32.3	





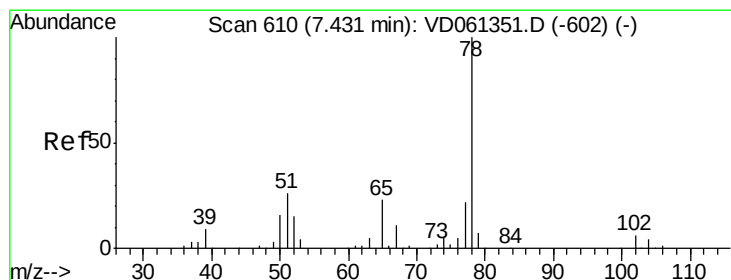
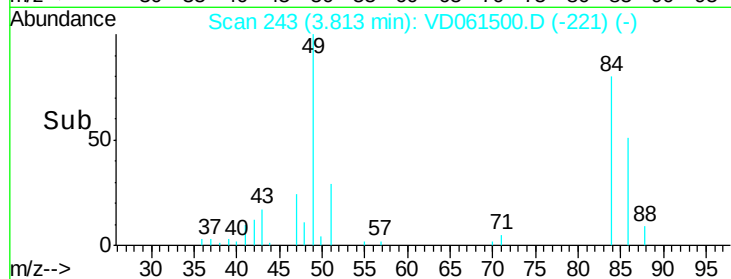
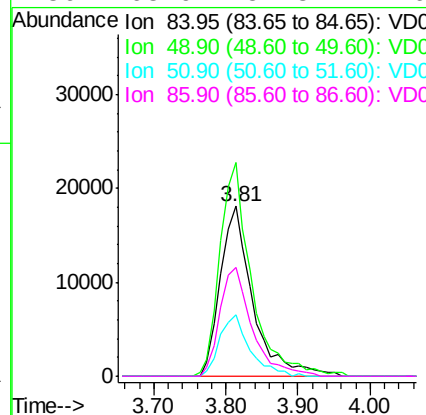
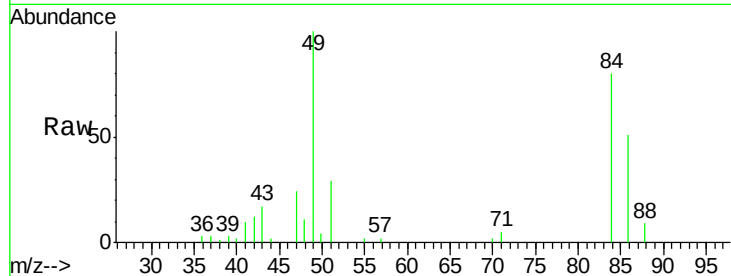
#20
Methvlene Chloride
Concen: 8.297 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion	84	Resp	56351
Ion	Ratio	Lower	Upper
84	100		
49	125.6	91.8	137.8
51	36.0	29.8	44.8
86	63.9	51.8	77.6

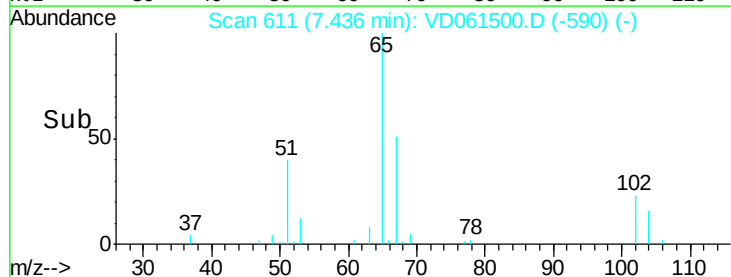
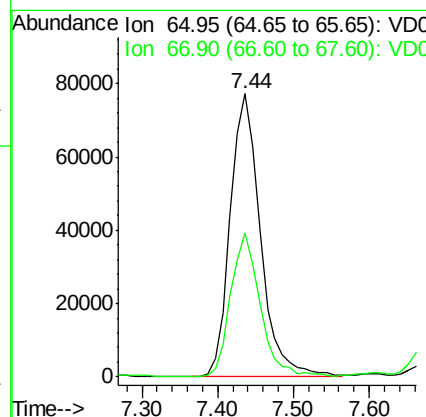
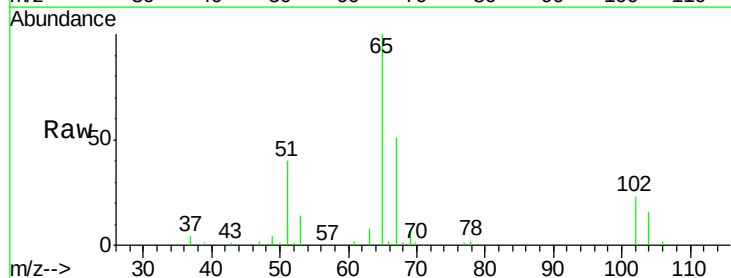
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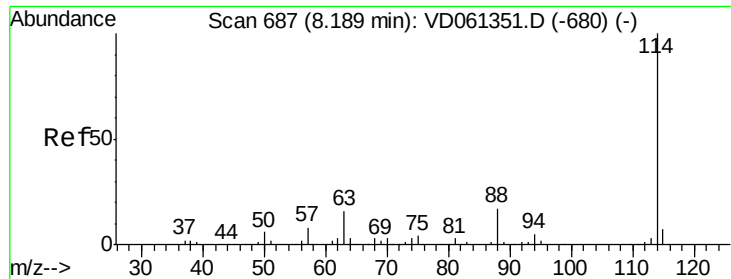
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion	65	Resp	213408
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	99.8





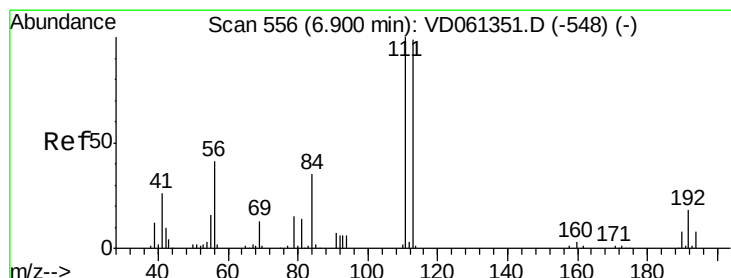
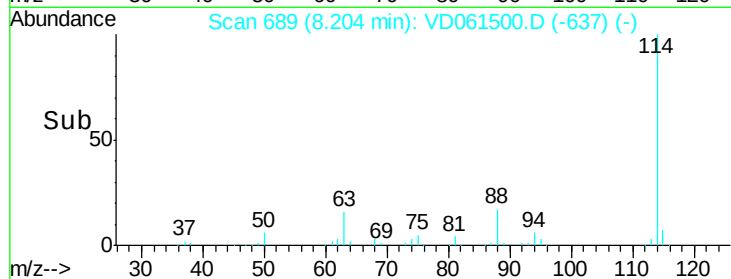
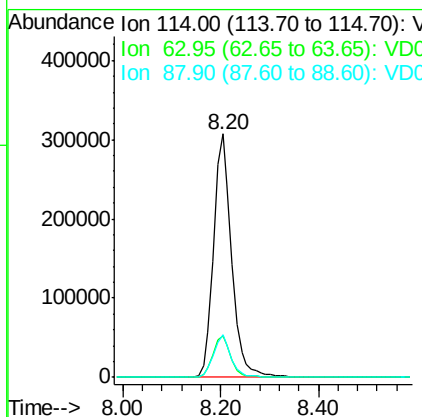
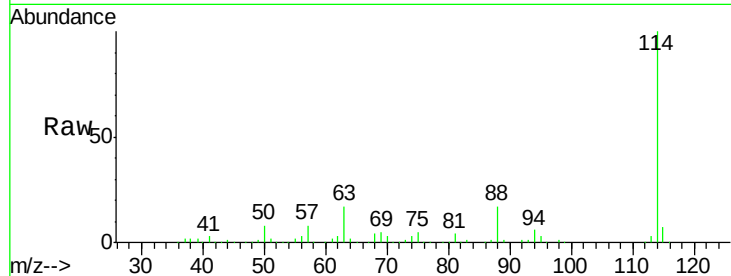
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10S1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	794068		
63	16.8	0.0	31.6	
88	17.3	0.0	33.4	

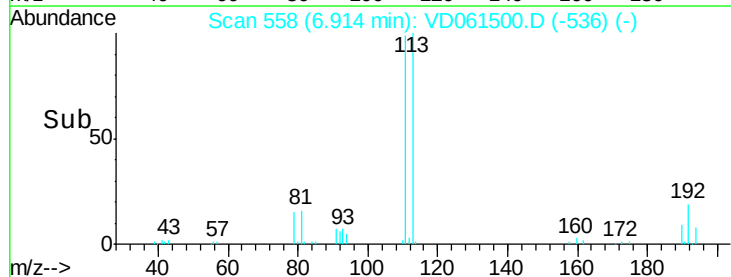
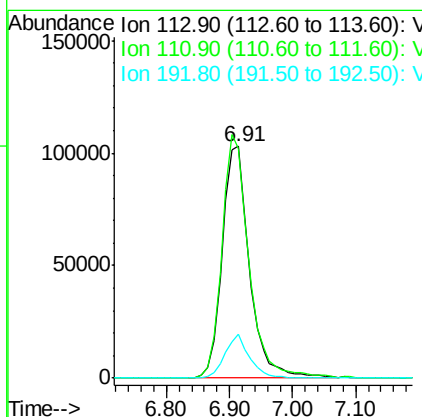
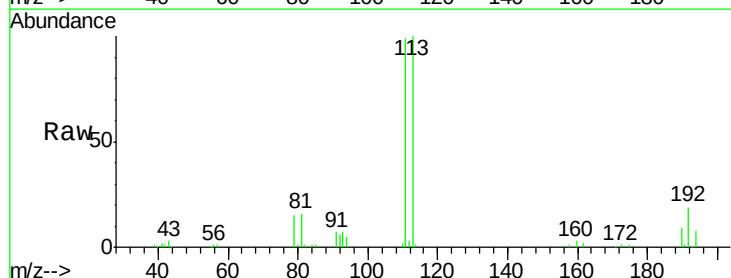
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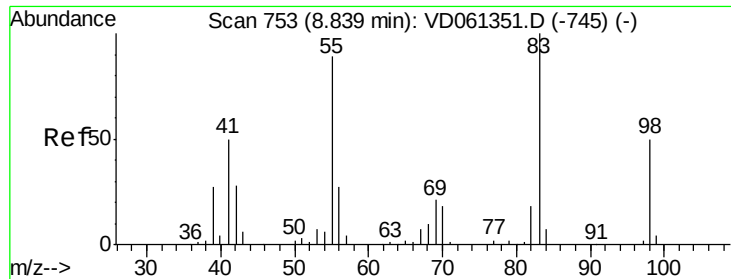
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	310319		
111	99.0	81.0	121.6	
192	18.7	14.4	21.6	





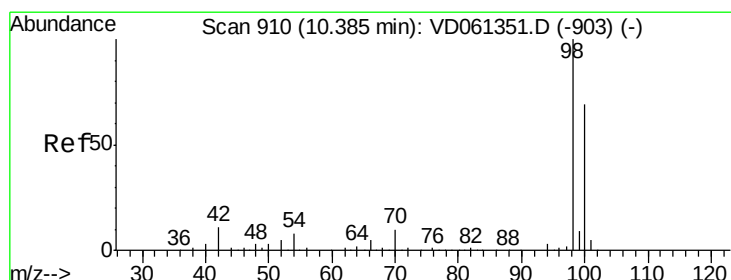
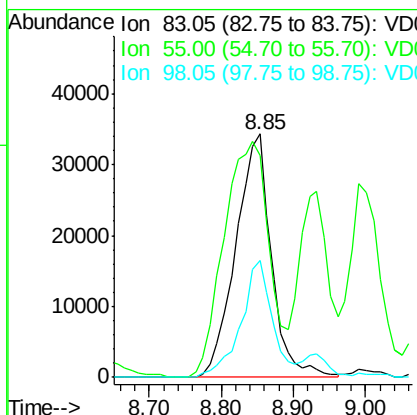
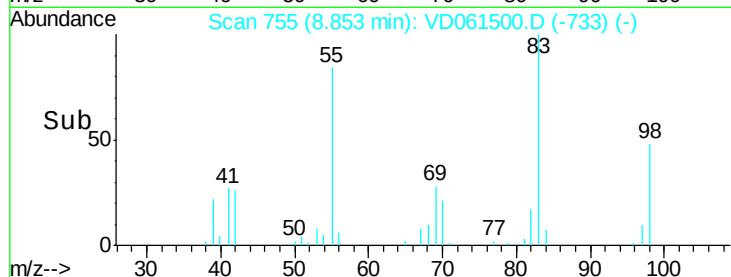
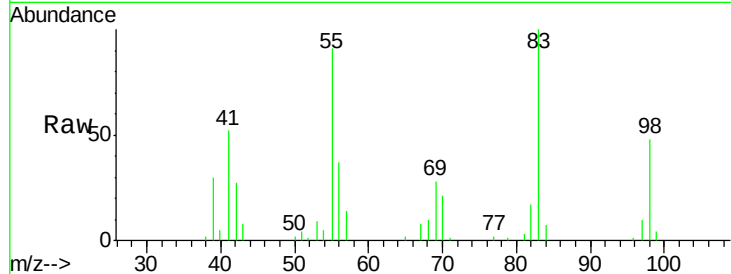
#39
Methylvlcyclohexane
Concen: 16.392 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion	83	Resp	118318
Ion Ratio	100	Lower	Upper
83	100		
55	90.9	71.5	107.3
98	48.1	40.3	60.5

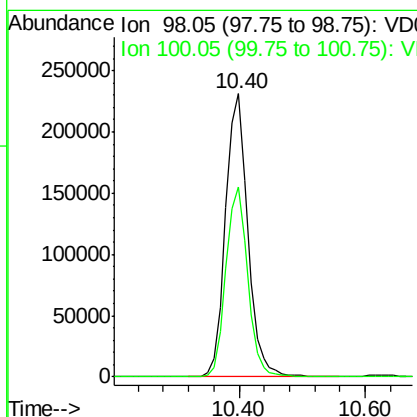
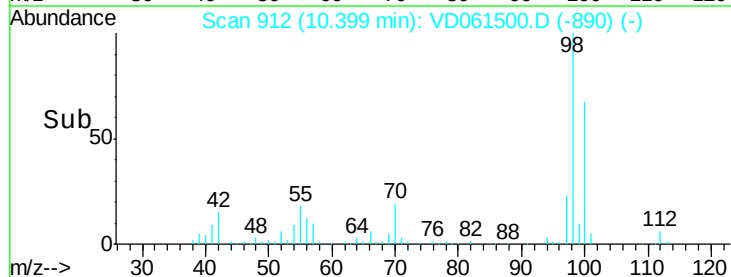
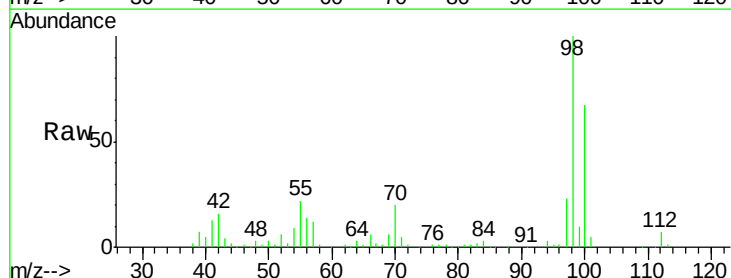
Manual Integrations
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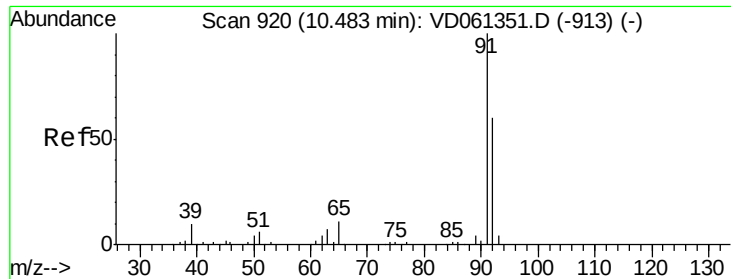
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion	98	Resp	567163
Ion Ratio	100	Lower	Upper
98	100		
100	67.0	56.2	84.2





#52

Toluene

Concen: 1.691 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061500.D

Acq: 2 Apr 2019 7:39

Instrument :

MSVOA_D

ClientSampleId :

TP-10S1

Tot Ion: 92 Resp: 17943

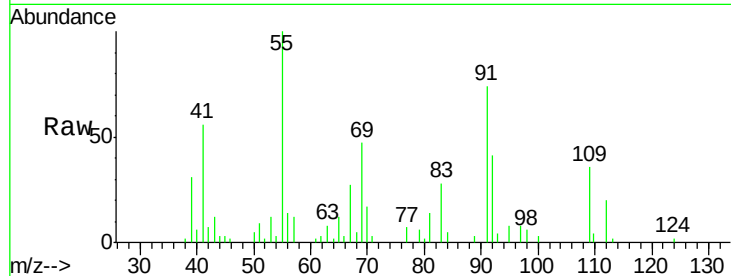
Ion Ratio Lower Upper

92 100

91 178.1 133.3 199.9

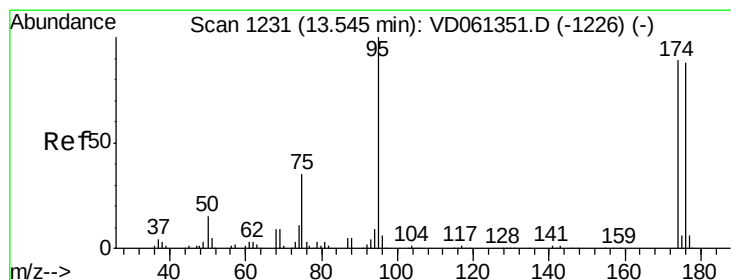
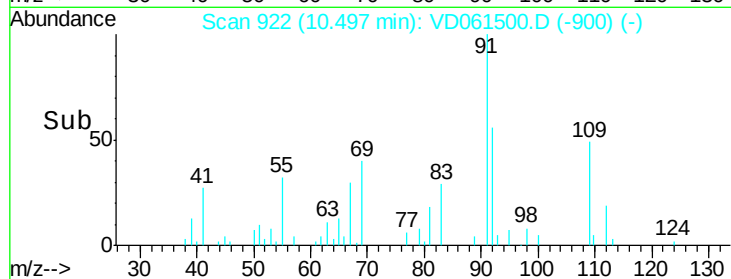
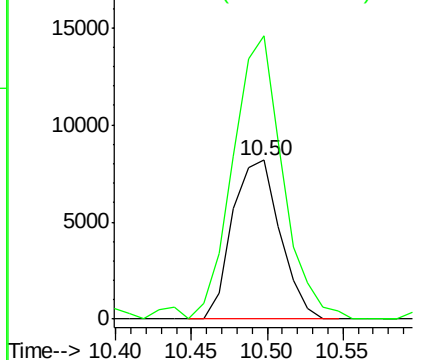
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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061500.D

Acq: 2 Apr 2019 7:39

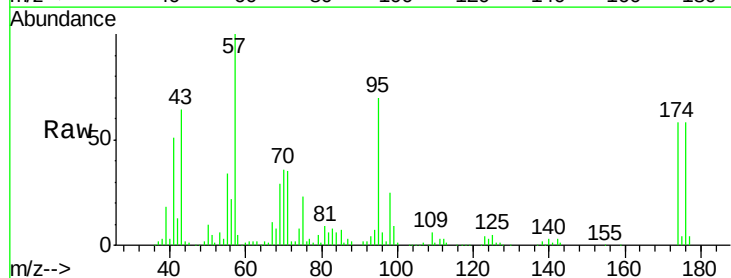
Tgt Ion: 95 Resp: 240037

Ion Ratio Lower Upper

95 100

174 82.9 0.0 178.0

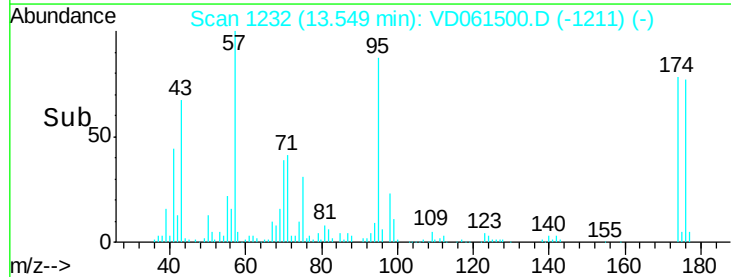
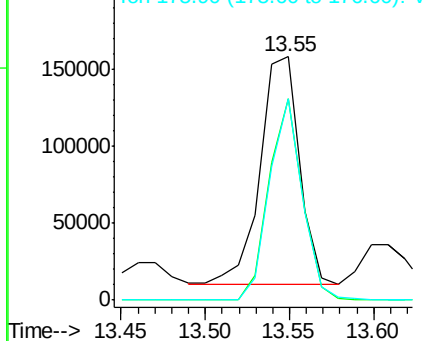
176 82.5 0.0 175.0

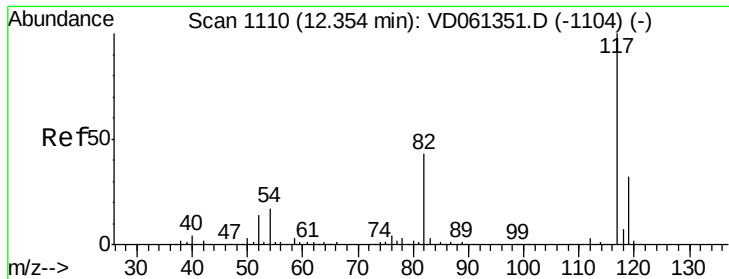


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





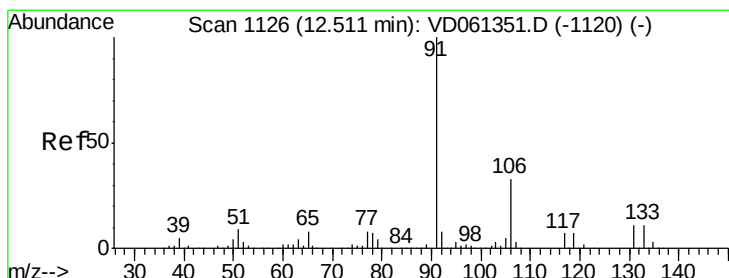
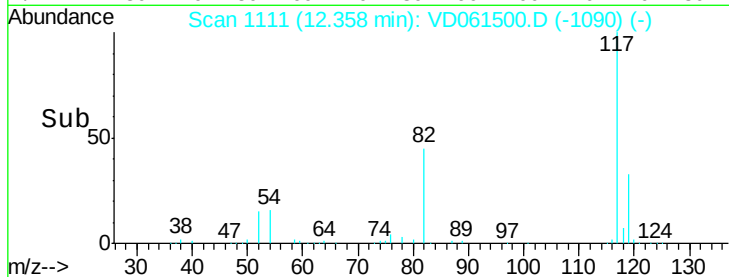
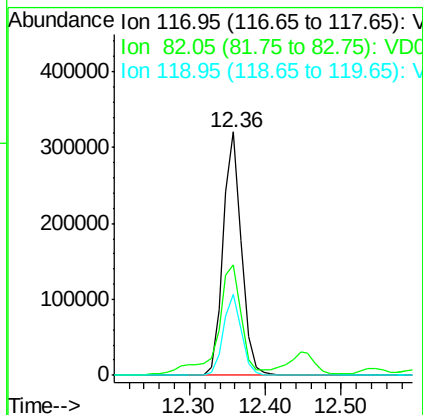
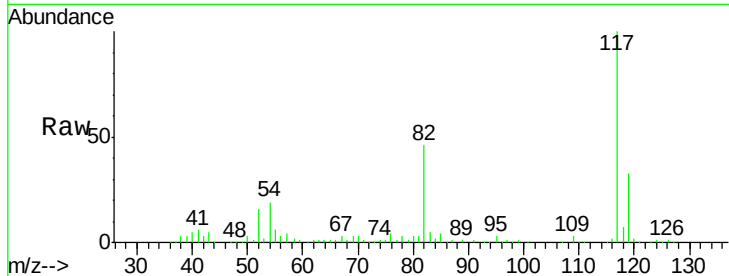
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.5	34.4	51.6
119	33.1	25.8	38.6

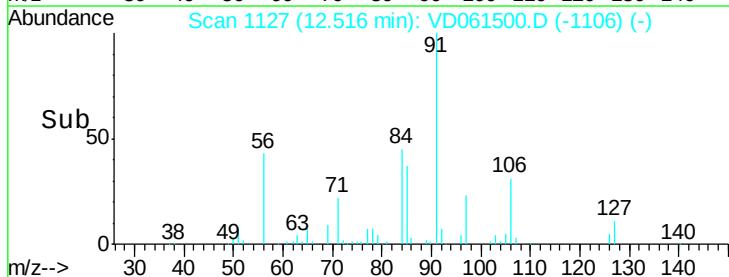
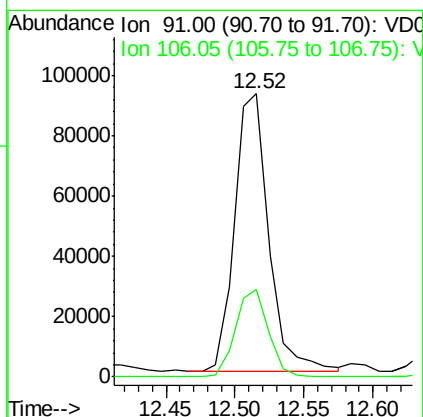
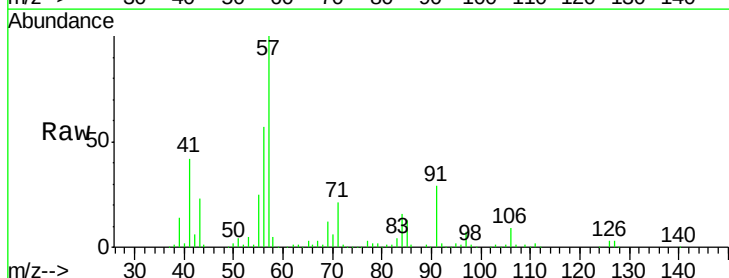
Manual Integrations
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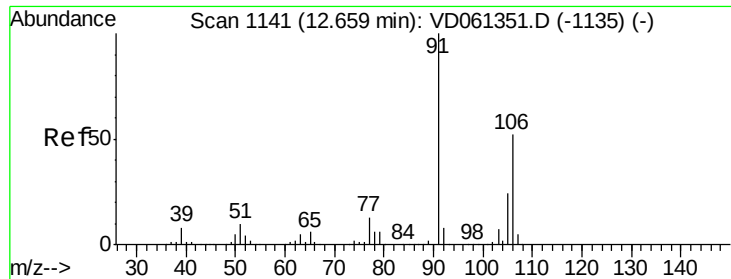
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#67
Ethyl Benzene
Concen: 9.406 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	26.1	39.1





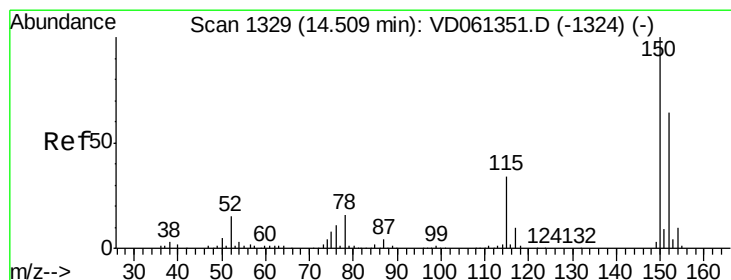
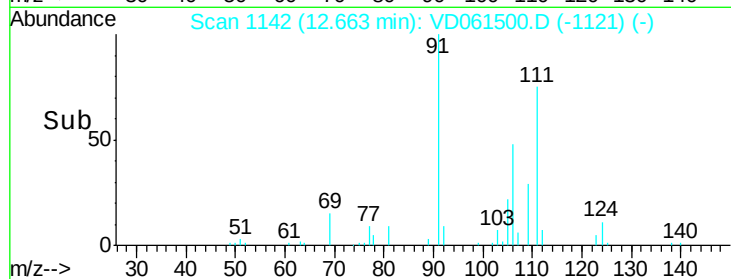
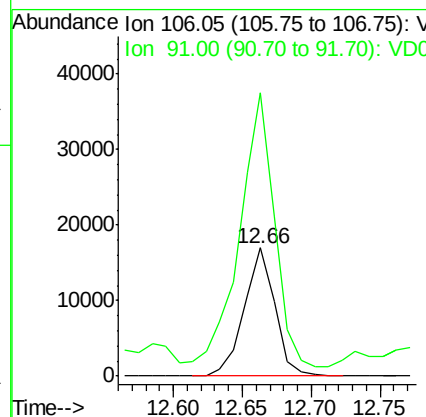
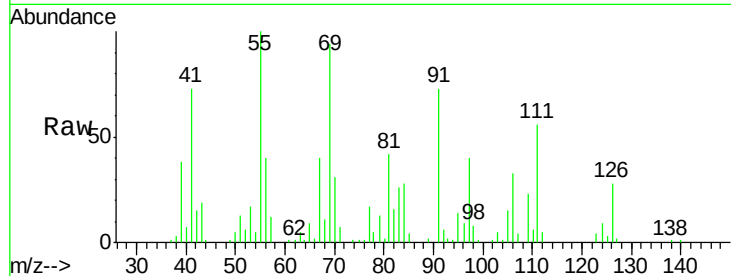
#68
m/p-Xvlenes
Concen: 4.176 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion:106 Resp: 26488
Ion Ratio Lower Upper
106 100
91 220.4 153.1 229.7

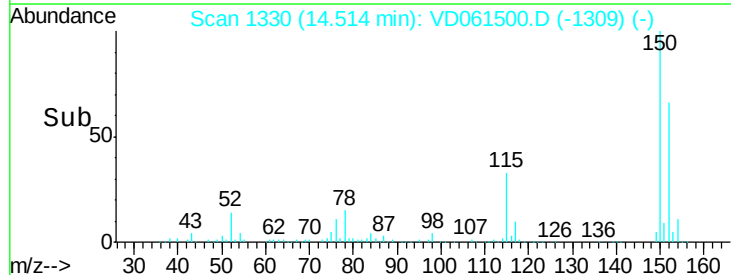
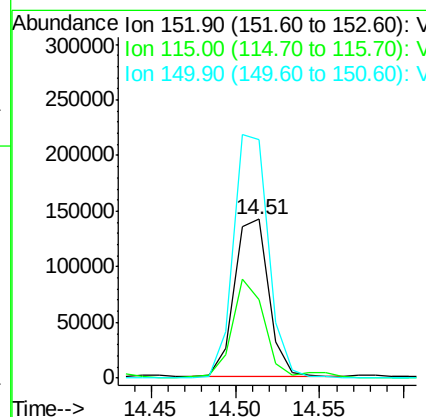
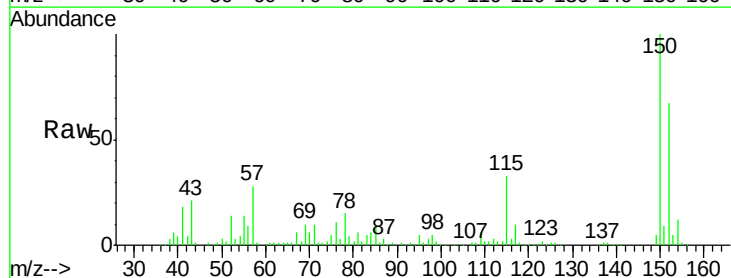
Manual Integrations
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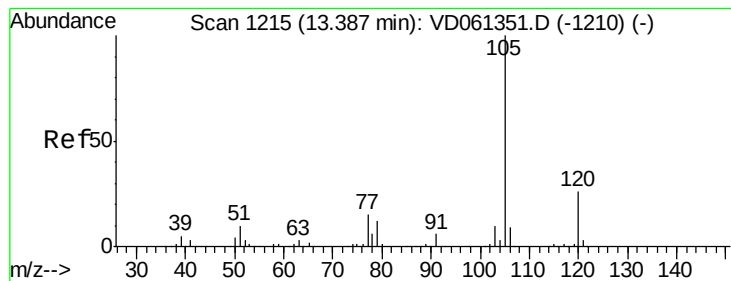
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion:152 Resp: 200310
Ion Ratio Lower Upper
152 100
115 49.4 26.9 80.6
150 150.1 0.0 318.0





#73

Isopropylbenzene

Concen: 6.766 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061500.D

Acq: 2 Apr 2019 7:39

Instrument :

MSVOA_D

ClientSampleId :

TP-10S1

Tot Ion:105 Resp: 94334

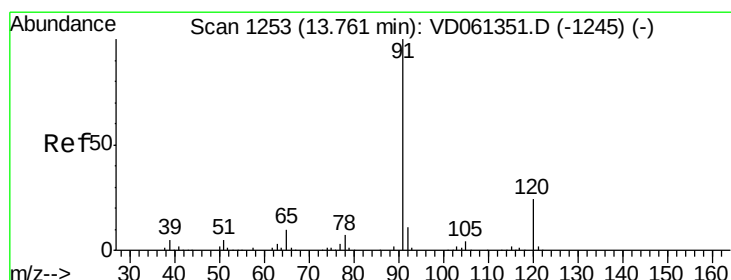
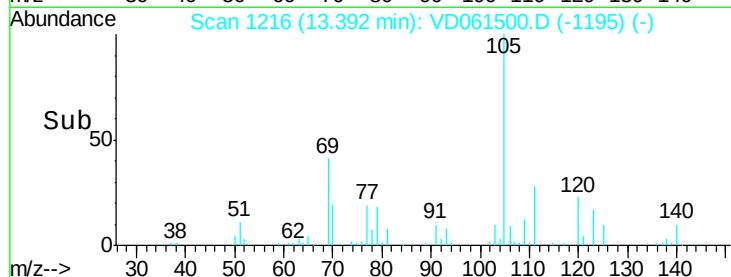
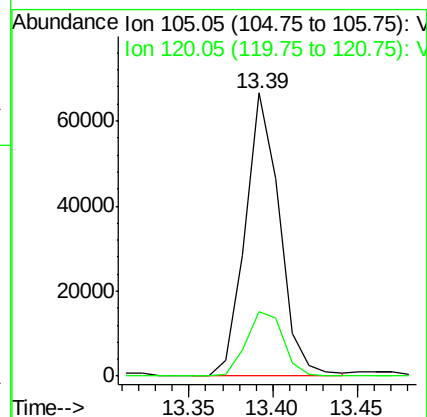
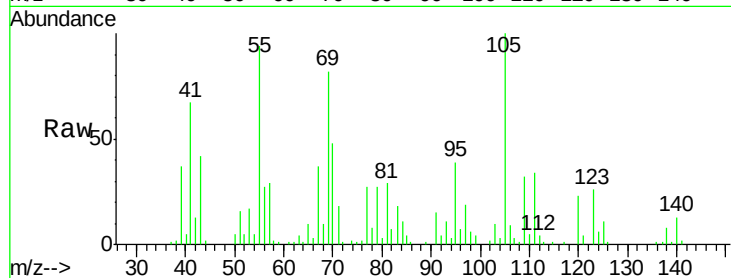
Ion Ratio Lower Upper

105 100

120 22.6 12.8 38.3

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#78

n-propylbenzene

Concen: 29.677 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061500.D

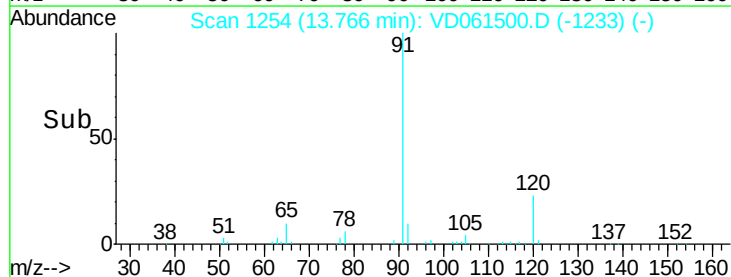
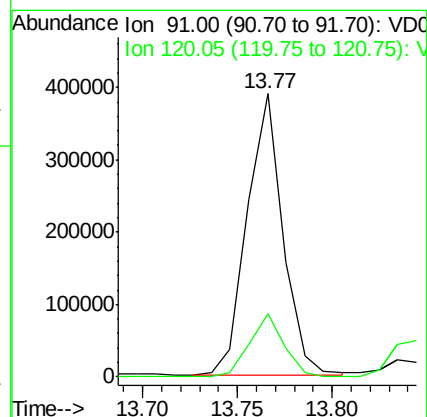
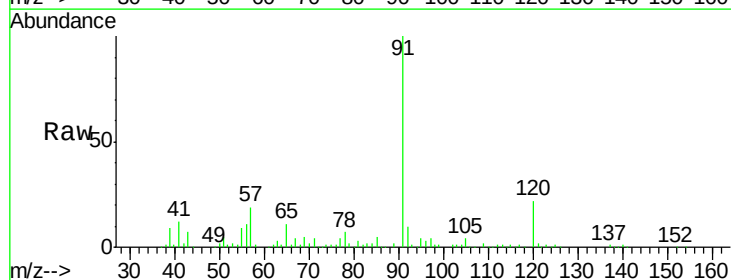
Acq: 2 Apr 2019 7:39

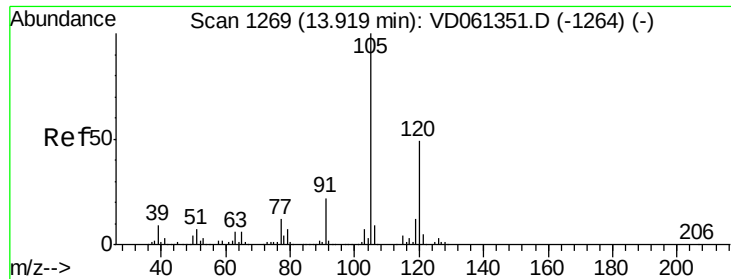
Tgt Ion: 91 Resp: 506320

Ion Ratio Lower Upper

91 100

120 22.4 11.8 35.3





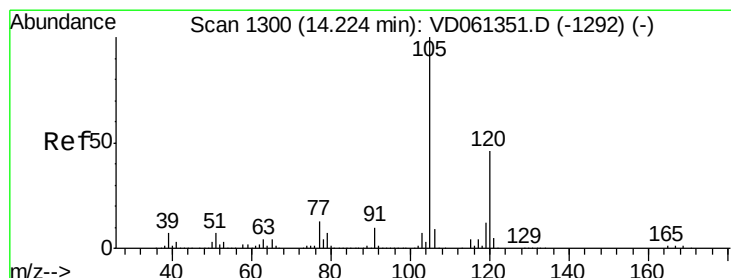
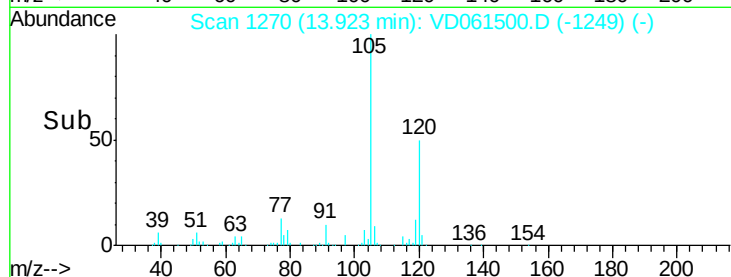
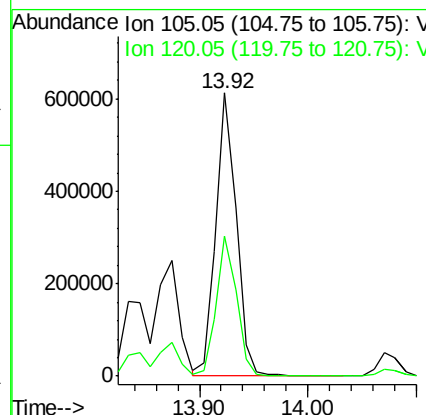
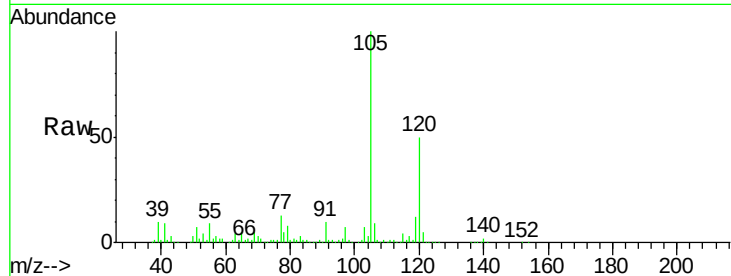
#80
 1,3,5-Trimethylbenzene
 Concen: 73.957 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-10S1

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.6	73.6

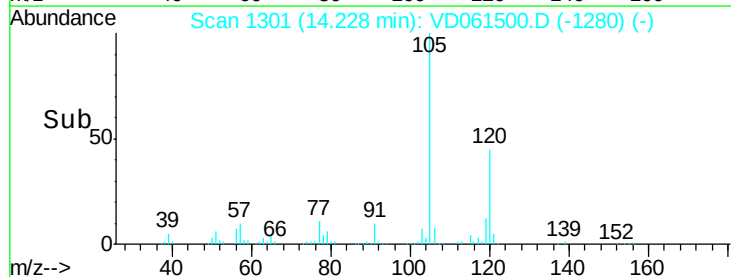
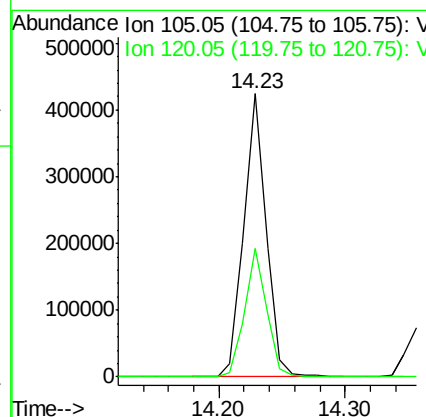
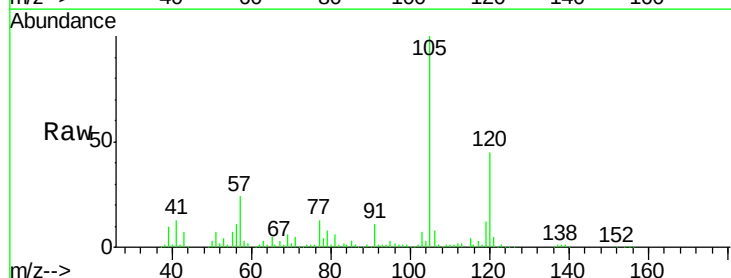
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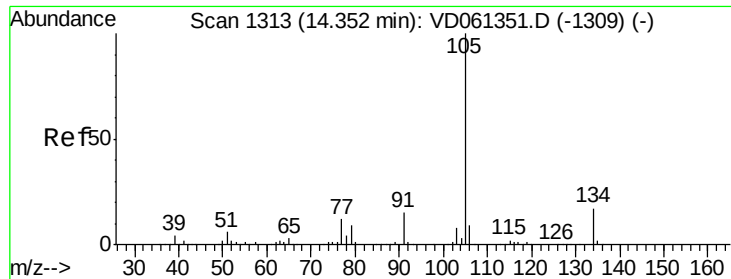
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.633 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





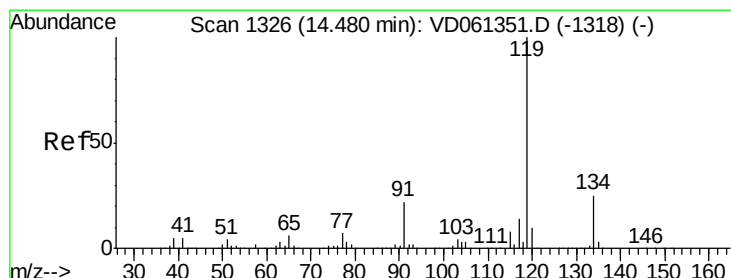
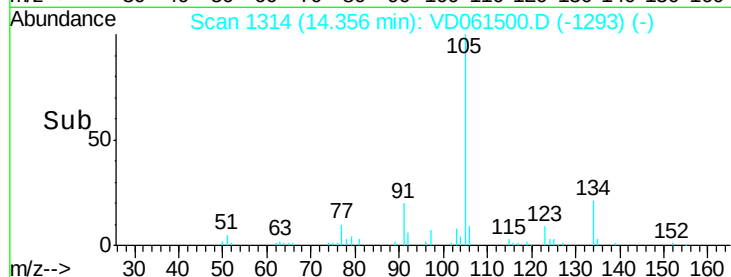
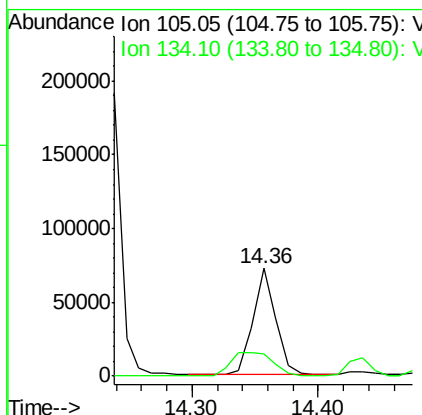
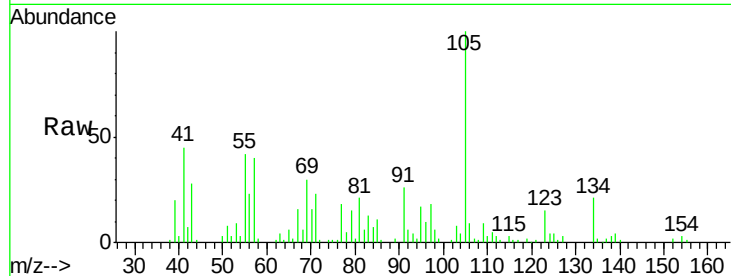
#85
 sec-Butylbenzene
 Concen: 6.325 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Instrument :
 MSVOA_D
 ClientSampled :
 TP-10S1

Tot Ion:105 Resp: 90838
 Ion Ratio Lower Upper
 105 100
 134 20.9 8.7 26.1

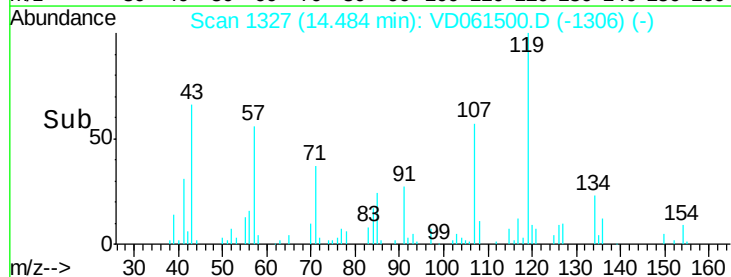
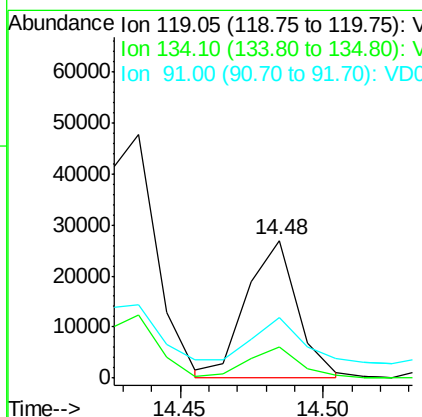
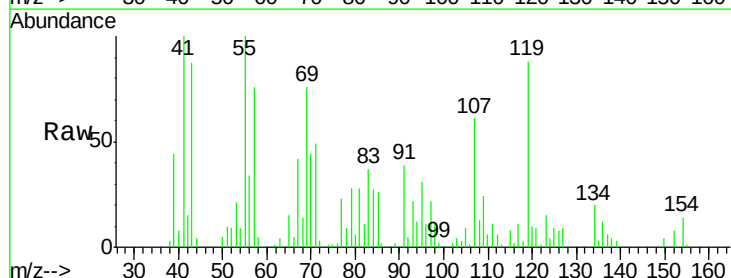
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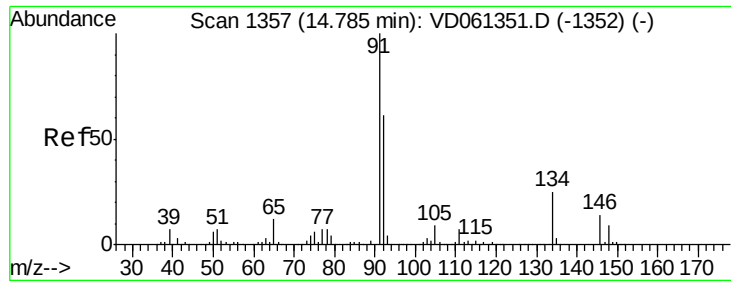
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#86
 p-Isopropyltoluene
 Concen: 2.741 ug/l m
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061500.D
 Acq: 2 Apr 2019 7:39

Tgt Ion:119 Resp: 33284
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.3 36.8
 91 44.4 11.1 33.1#





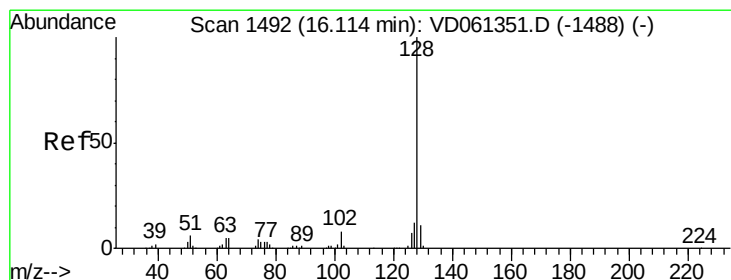
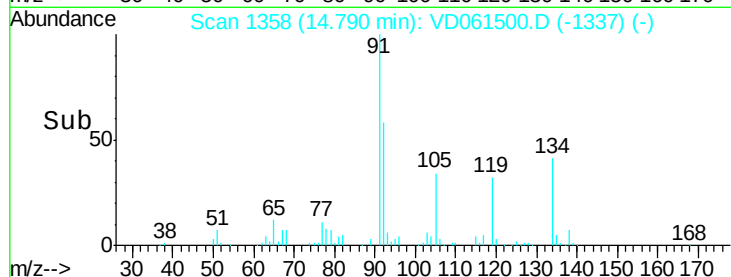
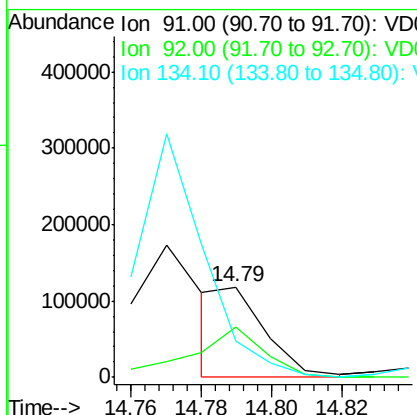
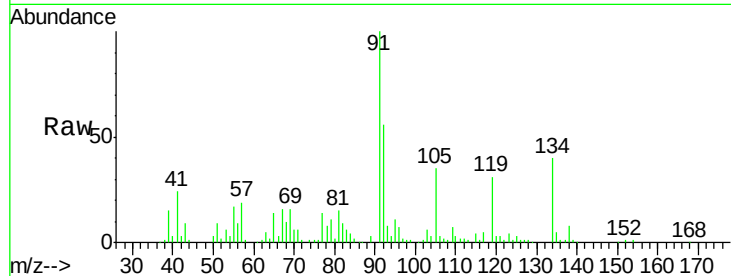
#89
n-Butylbenzene
Concen: 9.667 ug/l m
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Instrument :
MSVOA_D
ClientSampleId :
TP-10S1

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.2	30.3	91.0
134	39.8	12.4	37.0#

Manual Integrations
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#95
Naphthalene
Concen: 3.169 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061500.D
Acq: 2 Apr 2019 7:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.1	9.9	14.9#
129	23.9	8.9	13.3#

