

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060179.D
 Acq On : 24 Oct 2018 13:57
 Operator : JC/SY
 Sample : J5622-01
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KG-VB-16195

Manual Integrations
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Quant Time: Oct 25 03:59:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	892197	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	1577155	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	714138	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	132257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	631360	93.36	ug/l	0.03
Spiked Amount 50.000			Recovery	=	186.72%	
35) Dibromofluoromethane	6.33	113	754475	63.00	ug/l	0.03
Spiked Amount 50.000			Recovery	=	126.00%	
50) Toluene-d8	9.45	98	1128641	33.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	66.10%	
62) 4-Bromofluorobenzene	12.43	95	245310	19.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.17	43	77436	63.101	ug/l	96
17) Carbon Disulfide	3.32	76	20500	1.675	ug/l	95
20) Methylene Chloride	3.73	84	171422	14.711	ug/l	95
25) 2-Butanone	5.63	43	40931	13.351	ug/l	94
29) Tetrahydrofuran	5.96	42	7132	4.005	ug/l #	86
51) 4-Methyl-2-Pentanone	9.34	43	8317	1.002	ug/l #	83
52) Toluene	9.55	92	83449	3.286	ug/l	100
64) Tetrachloroethene	10.25	164	8131	1.300	ug/l	99
67) Ethyl Benzene	11.42	91	29667	1.185	ug/l	99
68) m/p-Xylenes	11.56	106	48554	5.192	ug/l	89
69) o-Xylene	11.93	106	31056	3.357	ug/l	89
73) Isopropylbenzene	12.28	105	17227	1.974	ug/l	91
78) n-propylbenzene	12.63	91	42933	3.963	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	81658	12.092	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	270995	38.076	ug/l	100
85) sec-Butylbenzene	13.22	105	33785	3.687	ug/l	98
86) p-Isopropyltoluene	13.34	119	329942	43.903	ug/l	99
89) n-Butylbenzene	13.65	91	29467m	4.018	ug/l	
95) Naphthalene	14.97	128	62507	13.375	ug/l	97

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

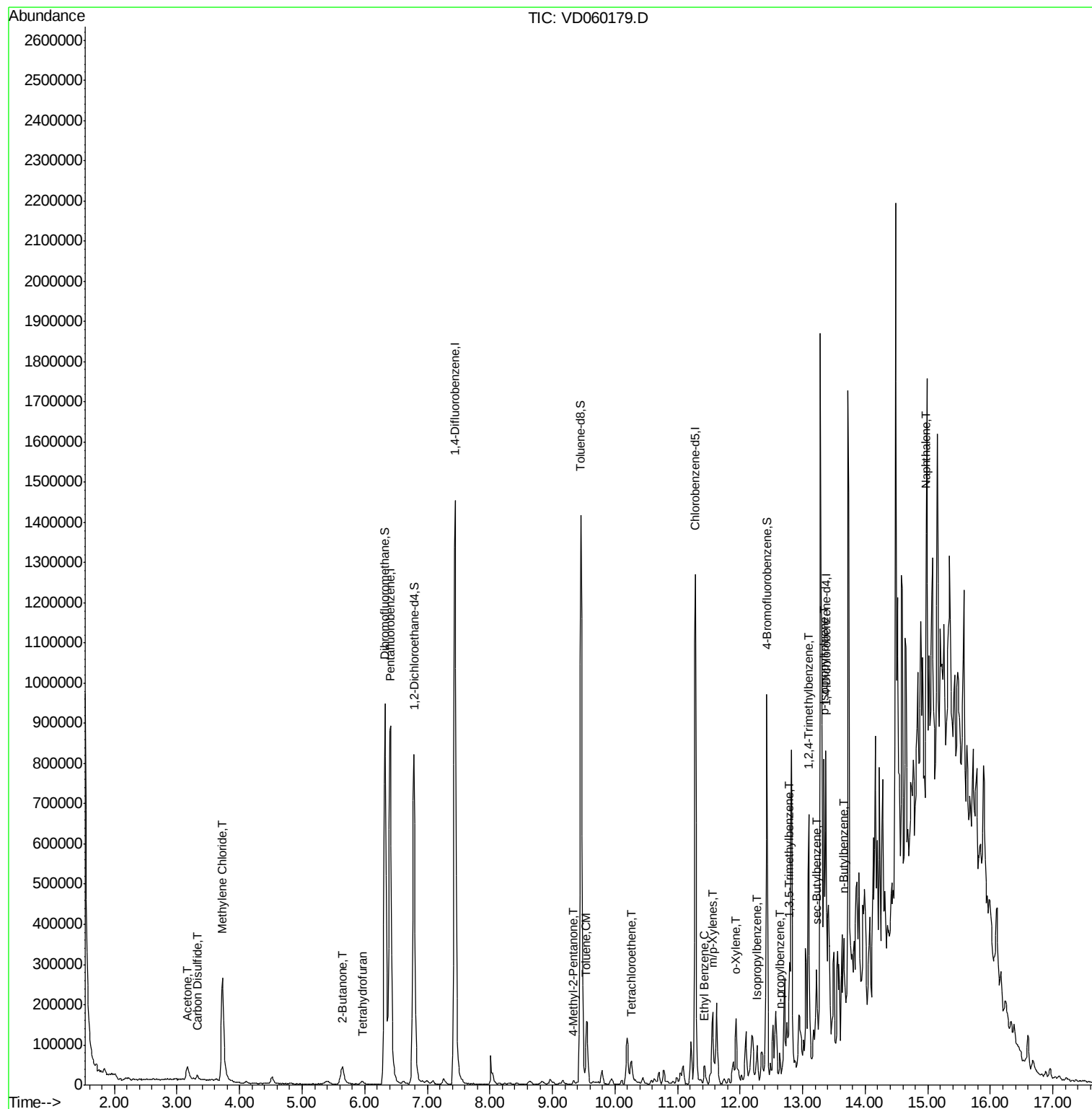
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060179.D
Acq On : 24 Oct 2018 13:57
Operator : JC/SY
Sample : J5622-01
Misc : 5.04g/5ml/MSVOA D/SOIL
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Instrument :
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Quant Time: Oct 25 03:59:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion:168 Resp: 892197

Ion Ratio Lower Upper

168 100

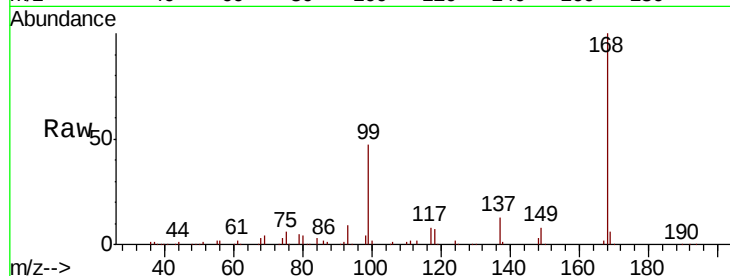
99 47.4 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

300000

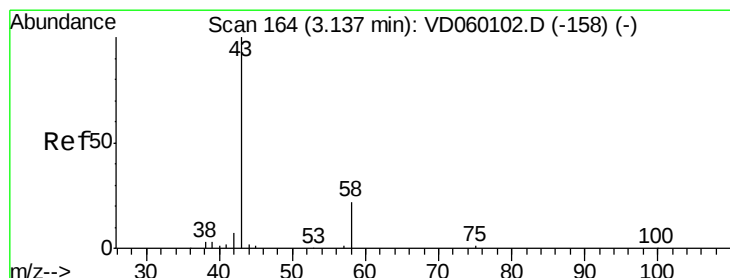
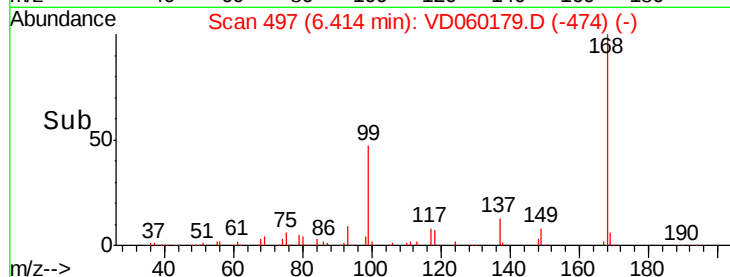
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#16

Acetone

Concen: 63.101 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060179.D

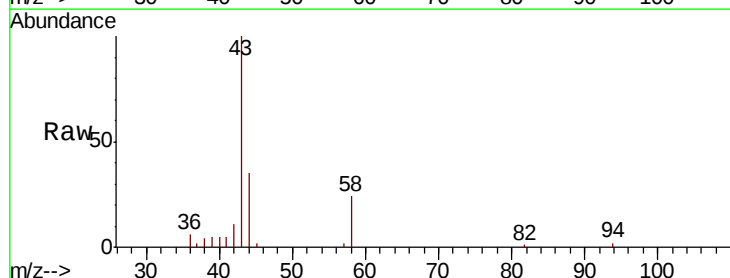
Acq: 24 Oct 2018 13:57

Tgt Ion: 43 Resp: 77436

Ion Ratio Lower Upper

43 100

58 24.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

25000

20000

15000

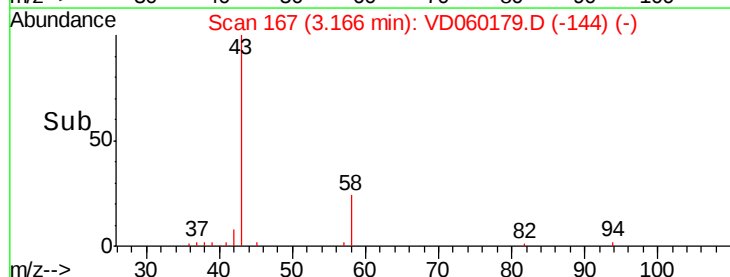
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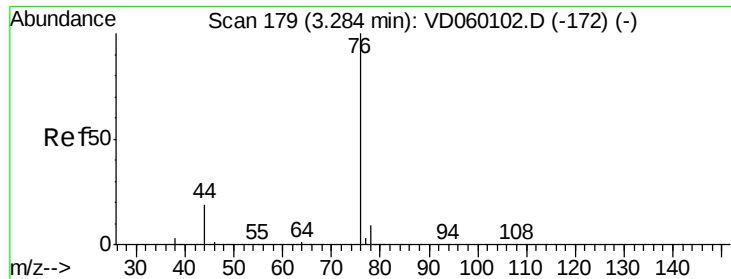
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0

Time-->

3.00 3.10 3.20 3.30





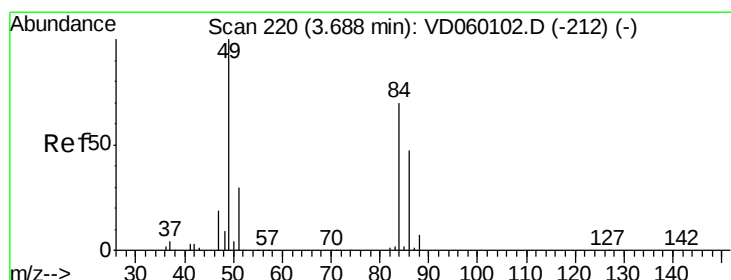
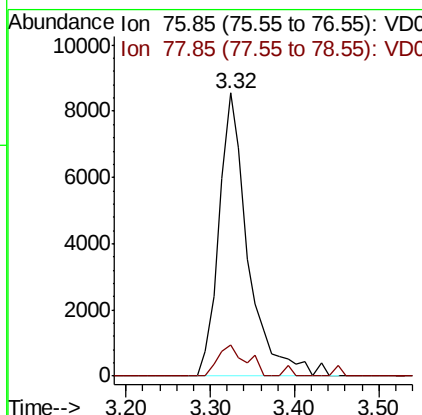
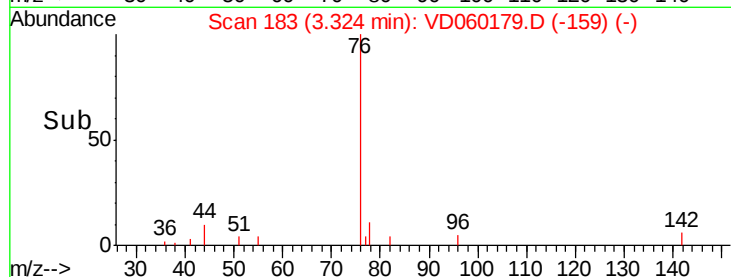
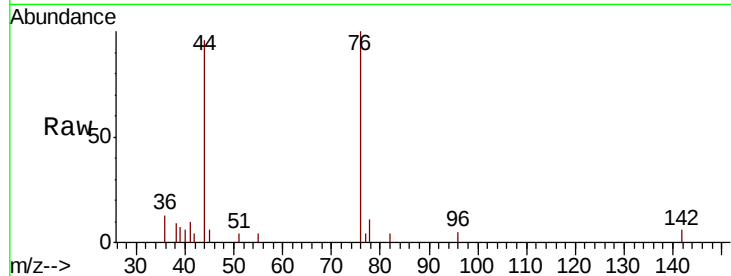
#17
Carbon Disulfide
Concen: 1.675 ug/l
RT: 3.32 min Scan# 183
Delta R.T. 0.04 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
KG-VB-16195

Tot Ion: 76 Resp: 20500
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.2

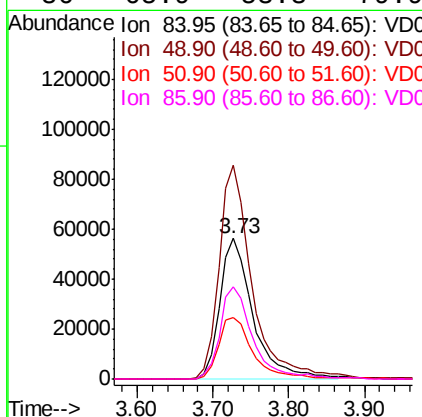
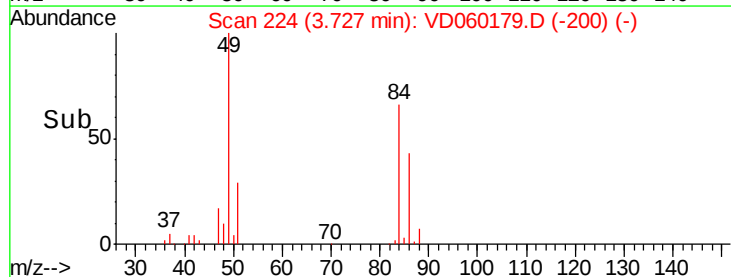
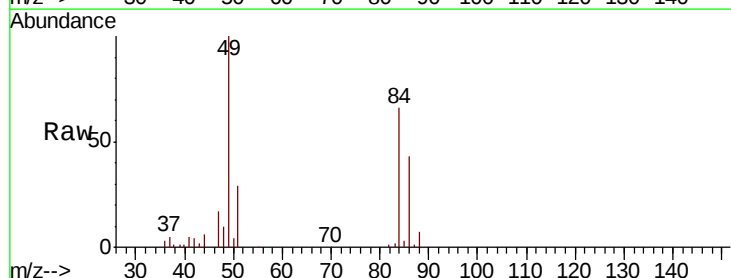
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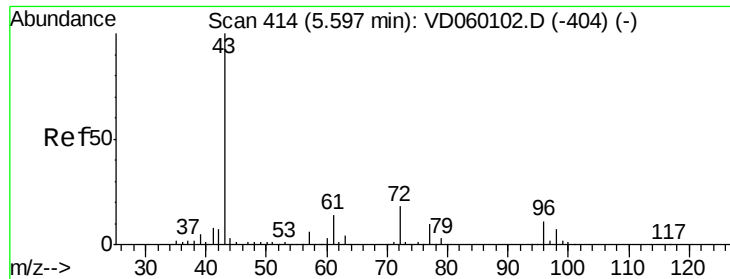
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#20
Methylene Chloride
Concen: 14.711 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

Tgt Ion: 84 Resp: 171422
Ion Ratio Lower Upper
84 100
49 151.8 114.6 172.0
51 44.1 33.8 50.8
86 65.9 53.3 79.9





#25

2-Butanone

Concen: 13.351 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion: 43 Resp: 40931

Ion Ratio Lower Upper

43 100

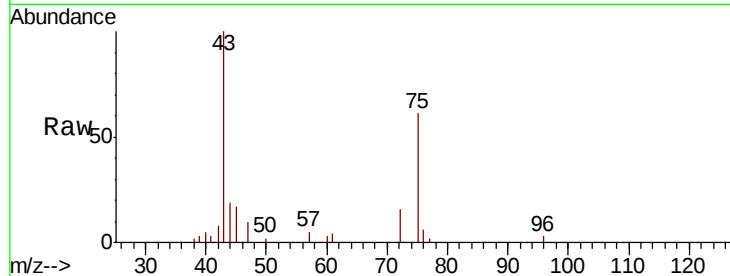
72 15.6 14.5 21.7

Manual Integrations

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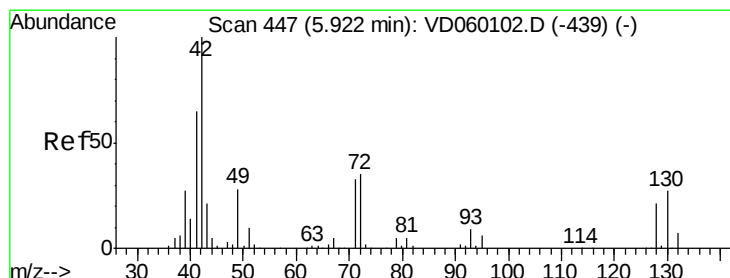
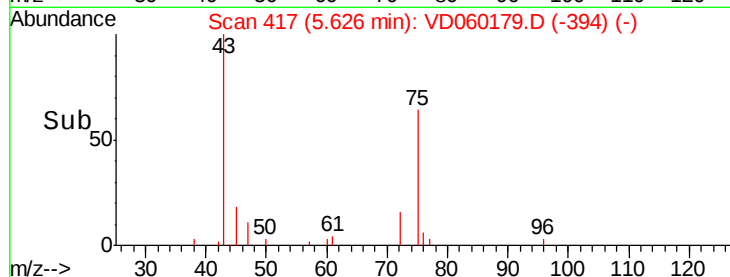
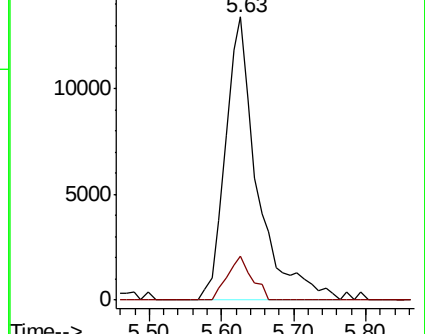
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 4.005 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

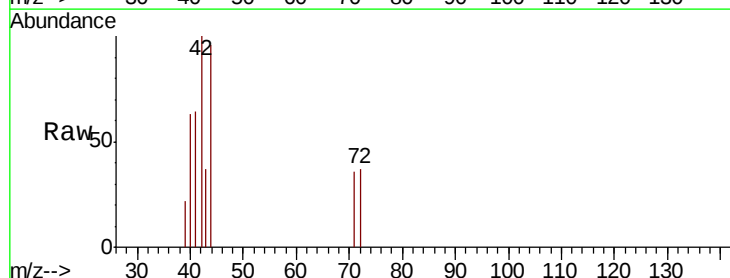
Tgt Ion: 42 Resp: 7132

Ion Ratio Lower Upper

42 100

72 26.1 26.9 40.3#

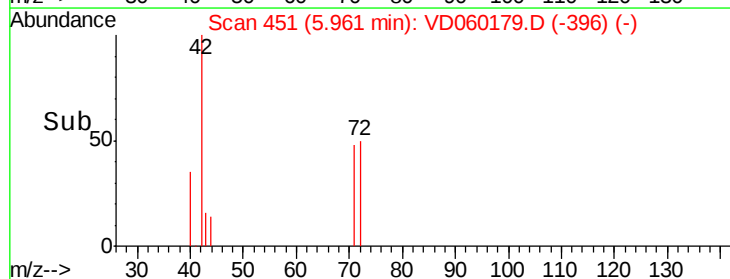
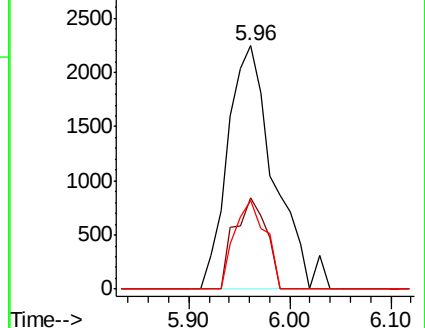
71 24.7 26.7 40.1#

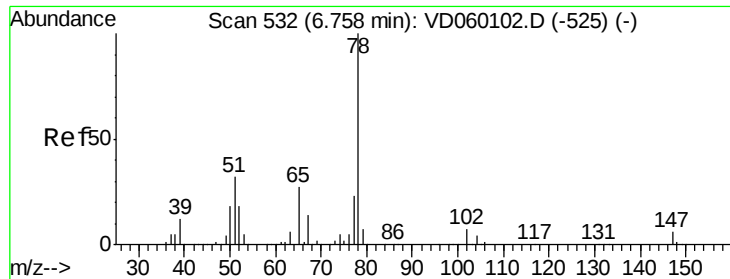


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion: 65 Resp: 631360

Ion Ratio Lower Upper

65 100

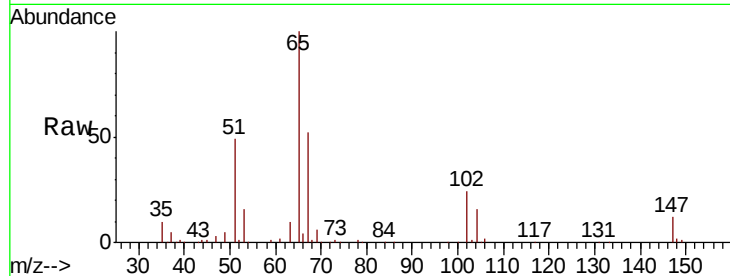
67 52.1 0.0 106.2

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

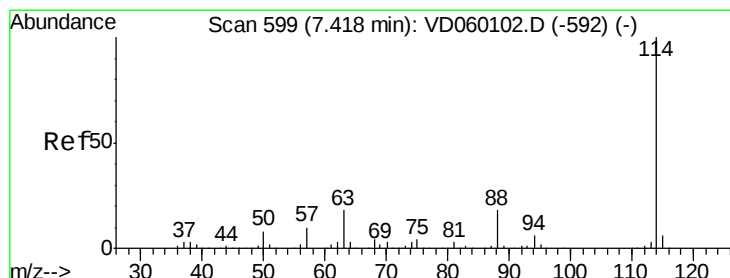
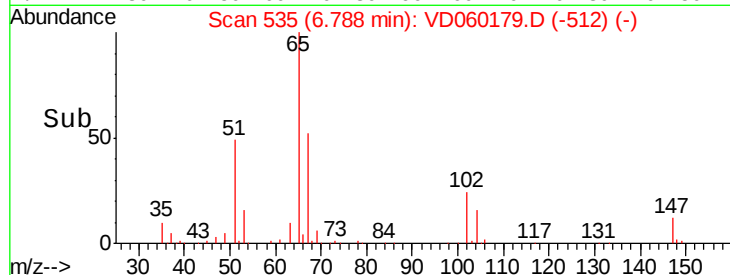
50000

0

6.79

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

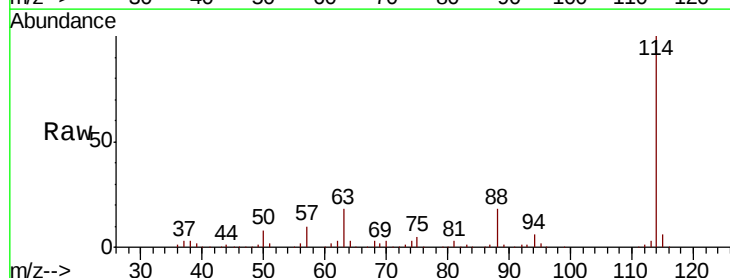
Tgt Ion: 114 Resp: 1577155

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.0

88 18.2 0.0 36.2



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

800000

600000

400000

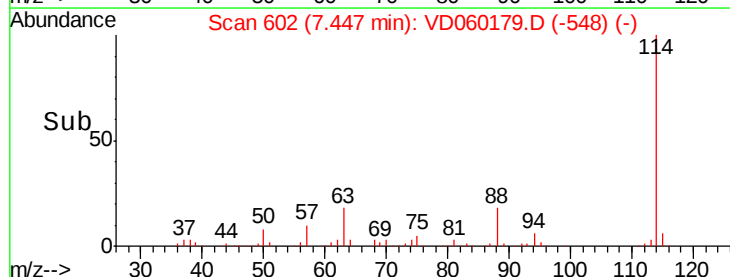
200000

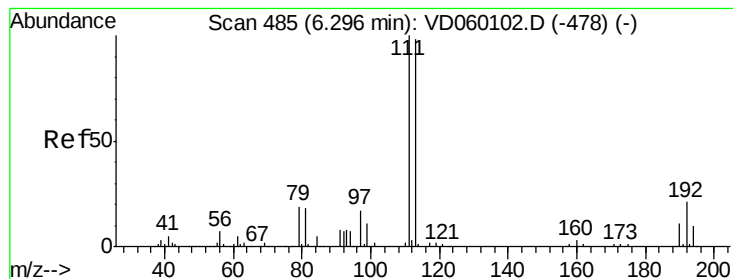
0

7.45

7.40 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

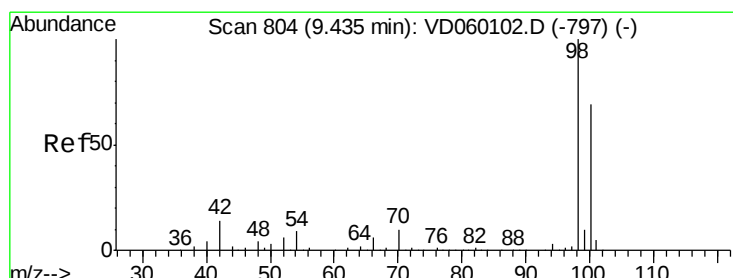
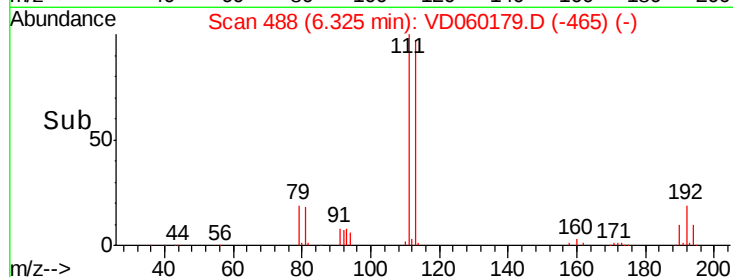
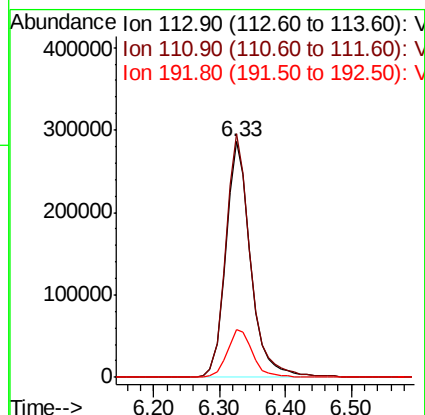
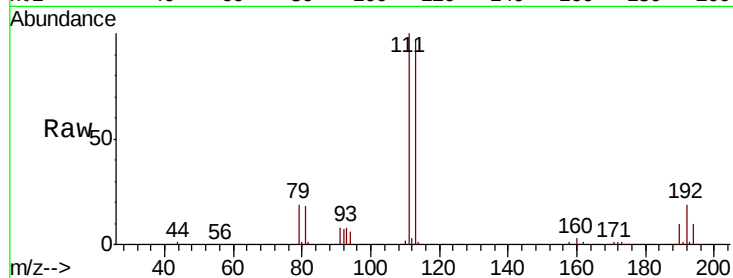
ClientSampleId :

KG-VB-16195

Tot Ion	Ratio	Resp	Lower	Upper
113	100	754475		
111	103.4	81.5	122.3	
192	20.2	17.4	26.0	

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#50

Toluene-d8

Concen: N.D. ug/l

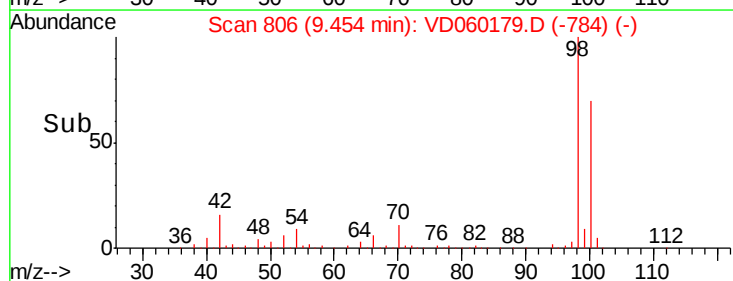
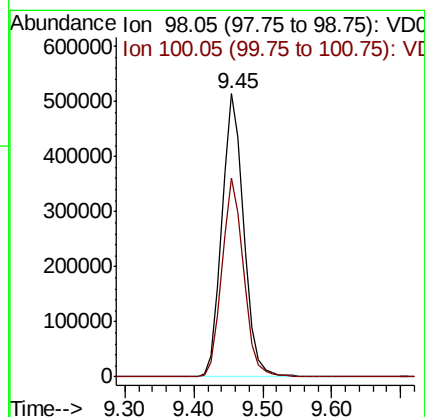
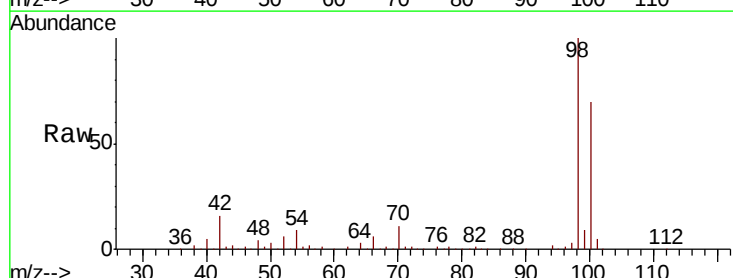
RT: 9.45 min Scan# 806

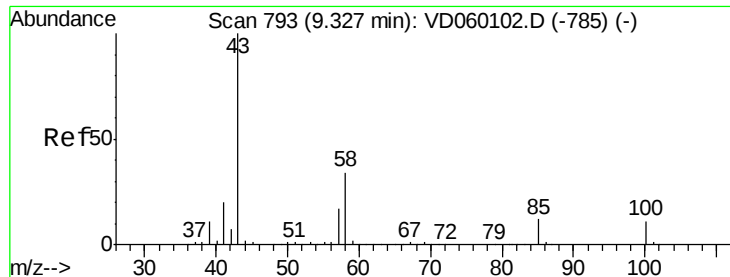
Delta R.T. 0.02 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1128641		
100	70.3	55.4	83.0	





#51

4-Methyl-2-Pentanone

Concen: 1.002 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion: 43 Resp: 8317

Ion Ratio Lower Upper

43 100

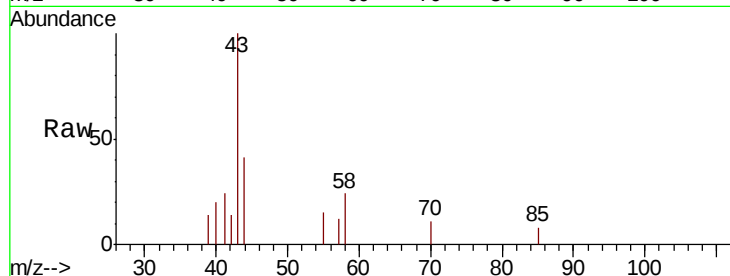
58 24.4 27.2 40.8#

Manual Integrations

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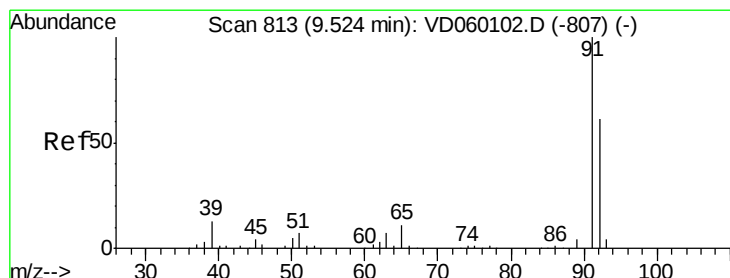
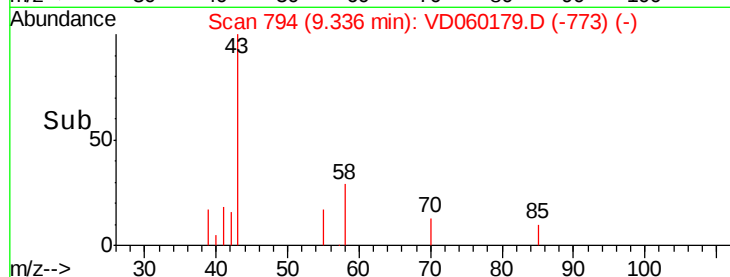
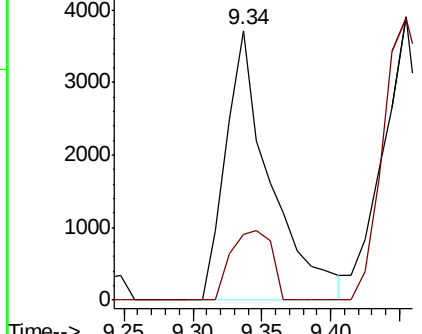
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 3.286 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060179.D

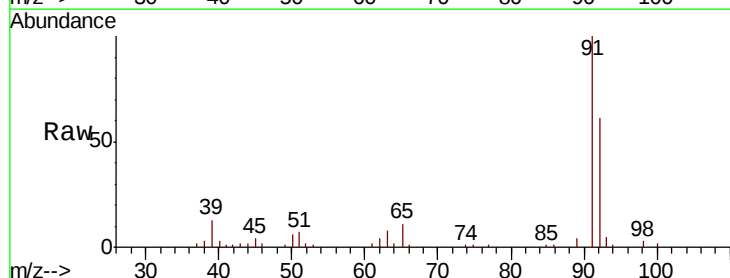
Acq: 24 Oct 2018 13:57

Tgt Ion: 92 Resp: 83449

Ion Ratio Lower Upper

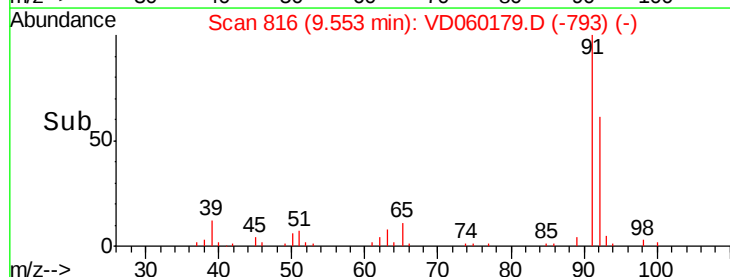
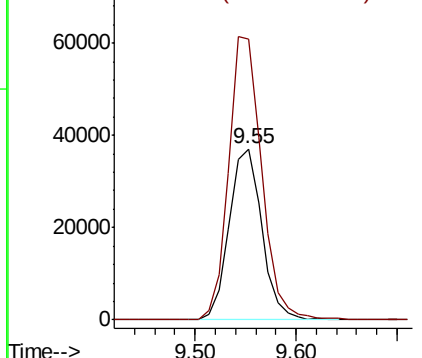
92 100

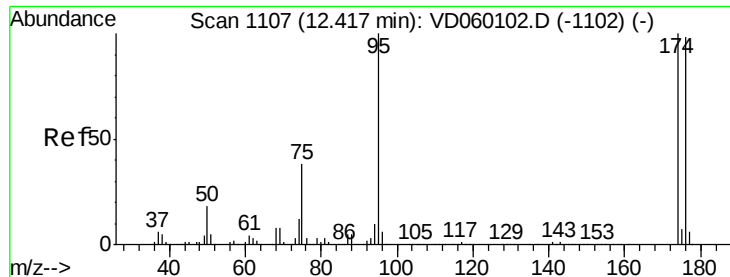
91 164.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

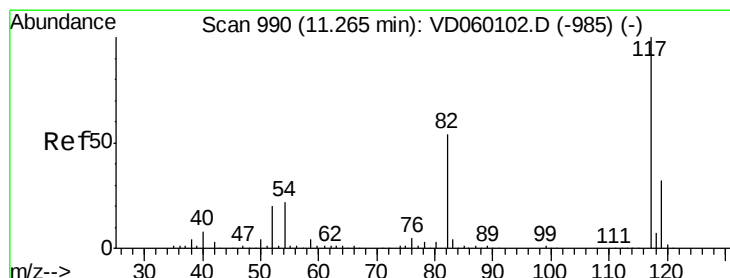
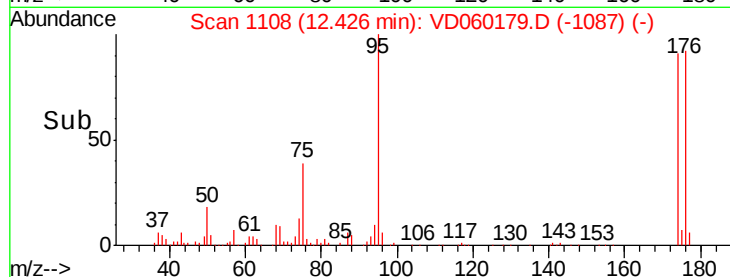
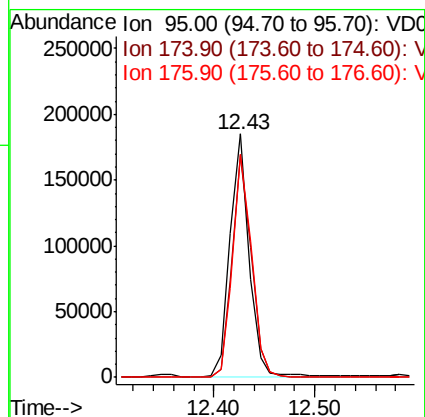
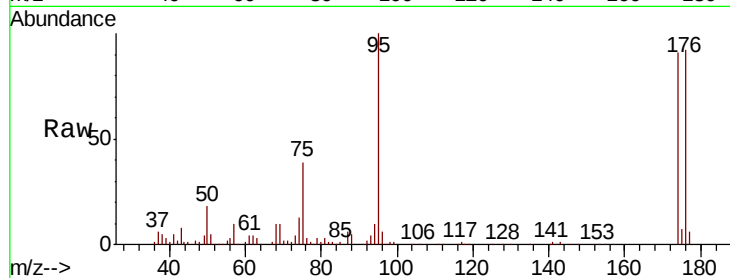
ClientSampleId :

KG-VB-16195

Tot Ion:	95	Resp:	245310
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	200.2
176	91.6	0.0	195.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

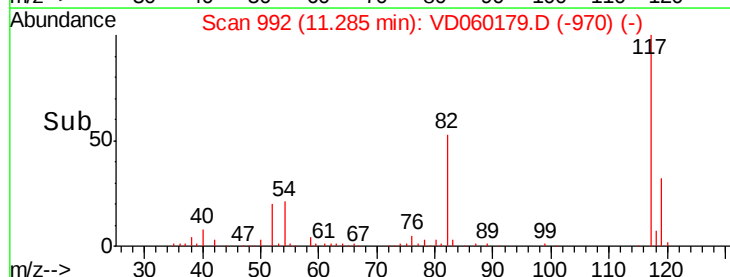
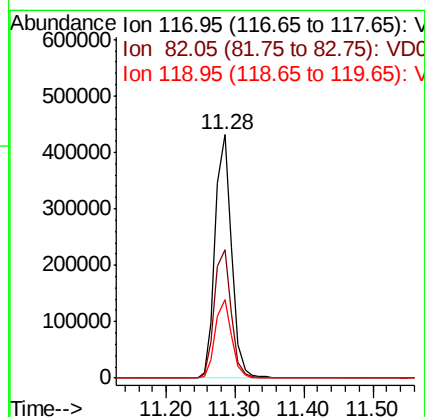
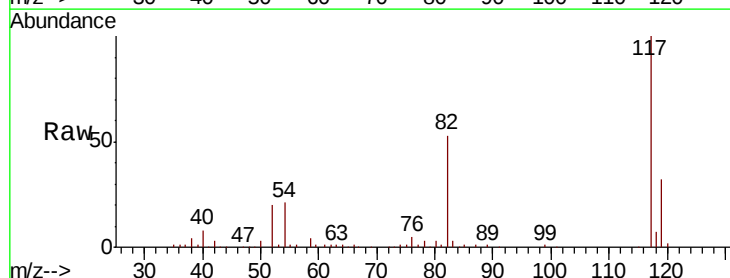
RT: 11.28 min Scan# 992

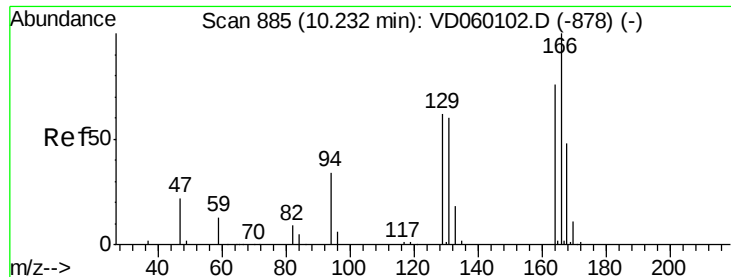
Delta R.T. 0.02 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Tgt Ion:	117	Resp:	714138
Ion Ratio	Lower	Upper	
117	100		
82	52.8	43.4	65.2
119	32.4	26.0	39.0





#64

Tetrachloroethene

Concen: 1.300 ug/l

RT: 10.25 min Scan# 887

Delta R.T. 0.02 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion:164 Resp: 8131

Ion Ratio Lower Upper

164 100

166 130.6 105.4 158.0

129 80.3 65.7 98.5

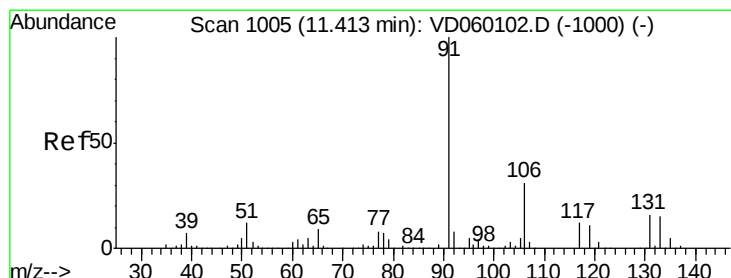
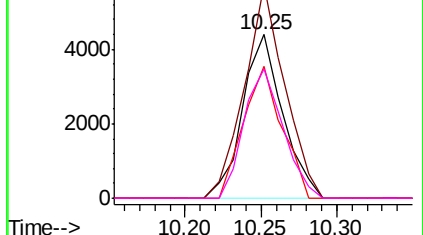
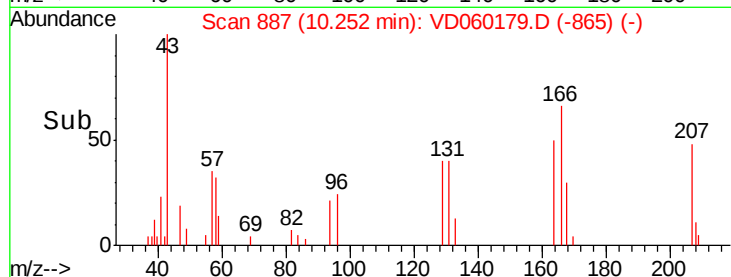
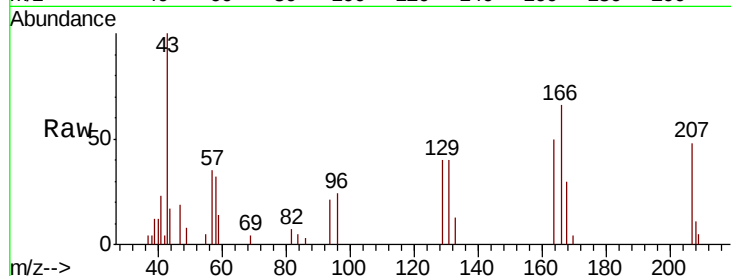
131 79.0 62.9 94.3

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#67

Ethyl Benzene

Concen: 1.185 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VD060179.D

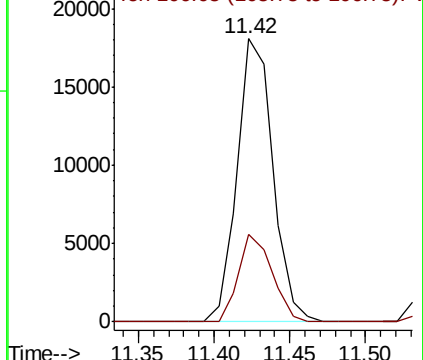
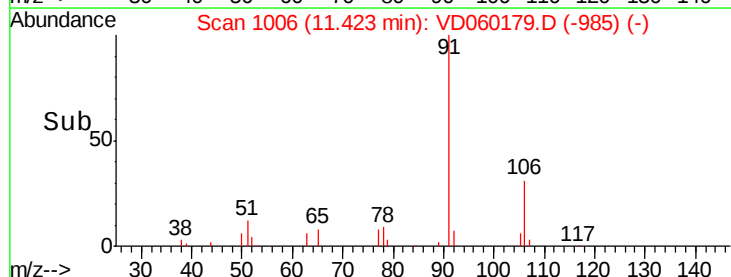
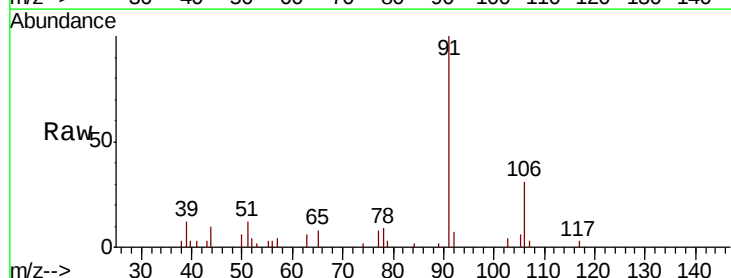
Acq: 24 Oct 2018 13:57

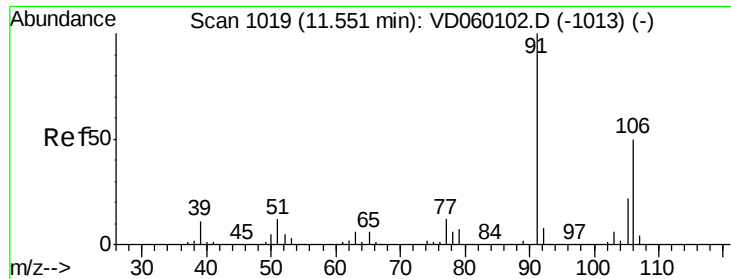
Tgt Ion: 91 Resp: 29667

Ion Ratio Lower Upper

91 100

106 31.0 24.4 36.6





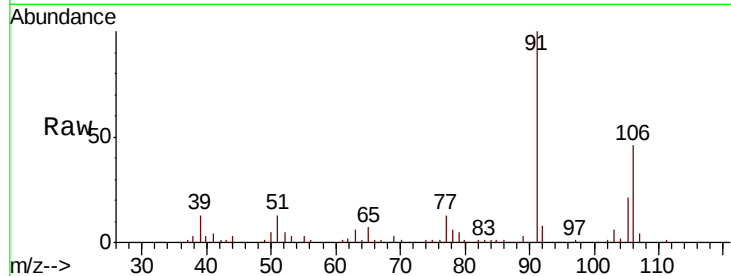
#68
m/p-Xylenes
Concen: 5.192 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
KG-VB-16195

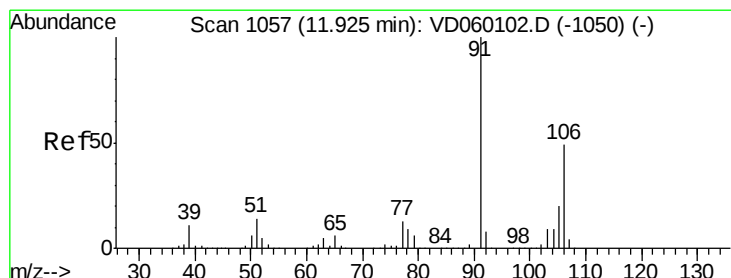
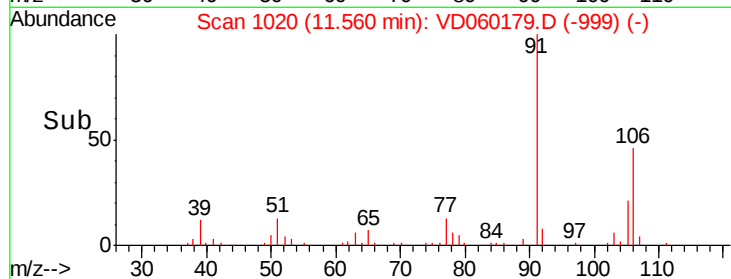
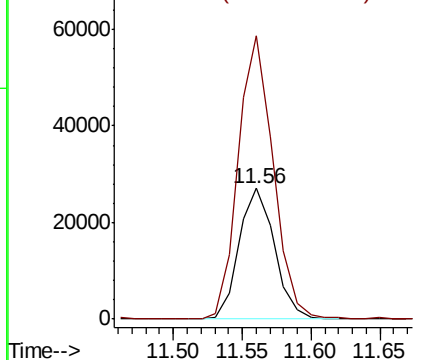
Tot Ion:106 Resp: 48554
Ion Ratio Lower Upper
106 100
91 216.6 160.0 240.0

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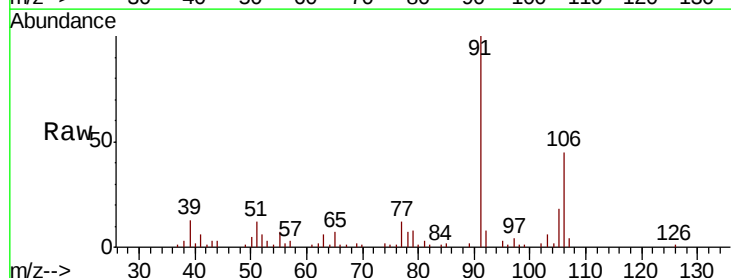


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

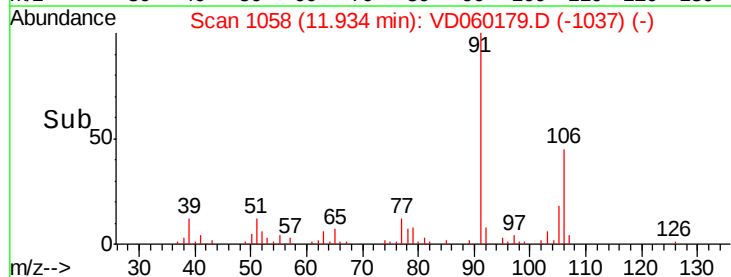
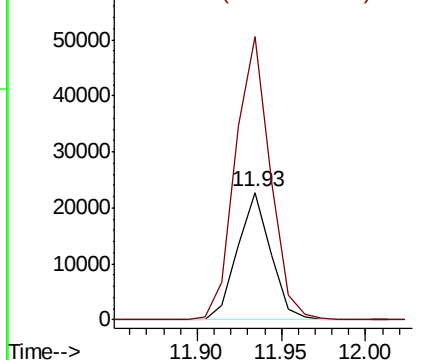


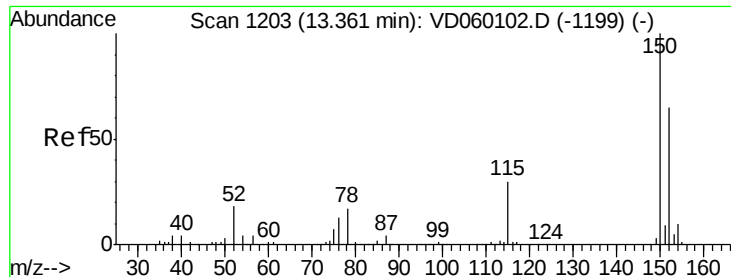
#69
o-Xylene
Concen: 3.357 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

Tgt Ion:106 Resp: 31056
Ion Ratio Lower Upper
106 100
91 222.4 102.5 307.5



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





#72

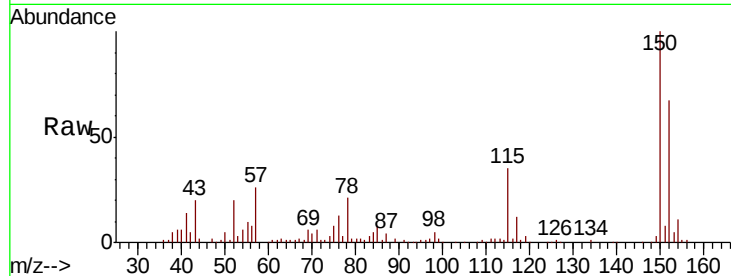
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
KG-VB-16195

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.8	27.1	81.2
150	150.1	0.0	311.8

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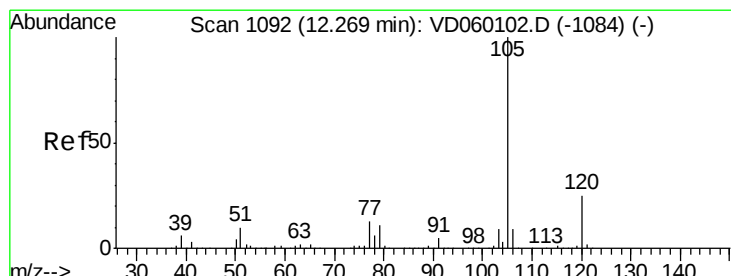
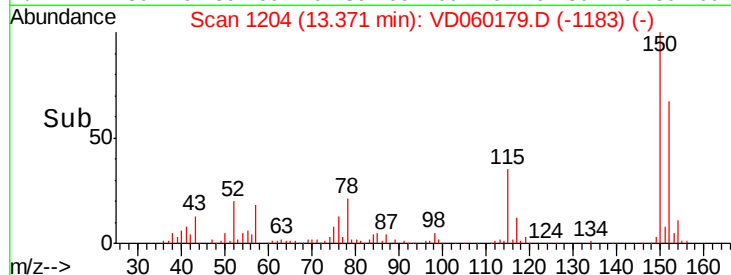
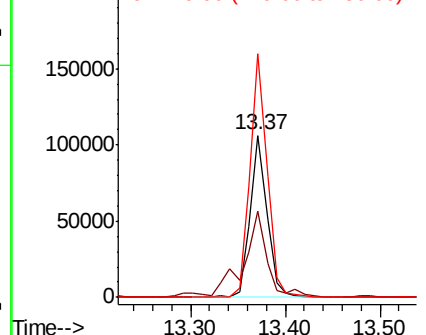


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

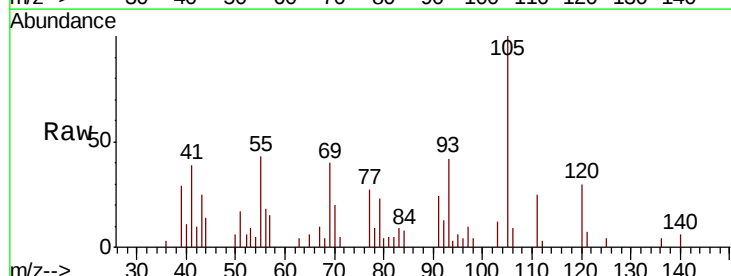
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 1.974 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD060179.D
Acq: 24 Oct 2018 13:57

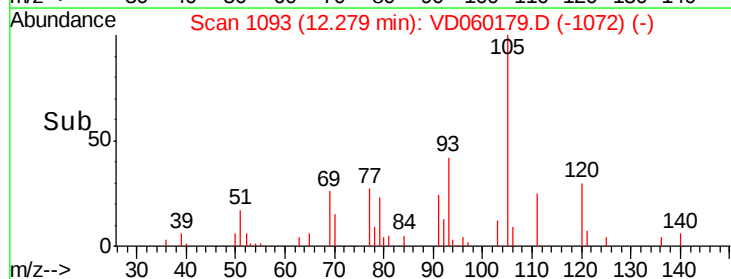
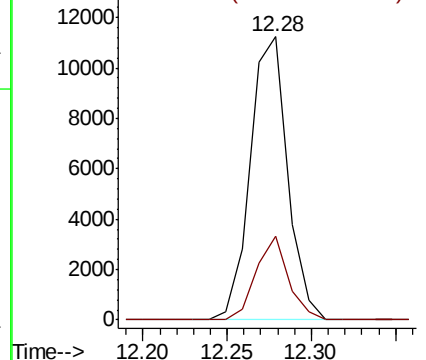
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.5	12.6	37.6

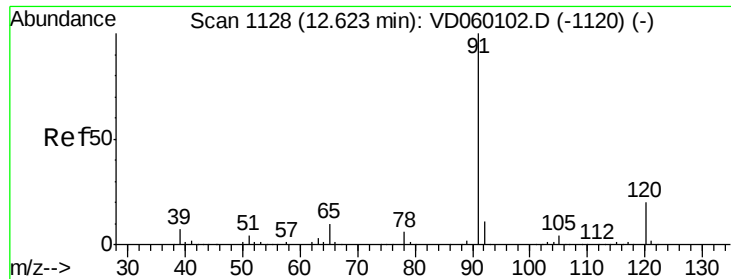


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 3.963 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion: 91 Resp: 42933

Ion Ratio Lower Upper

91 100

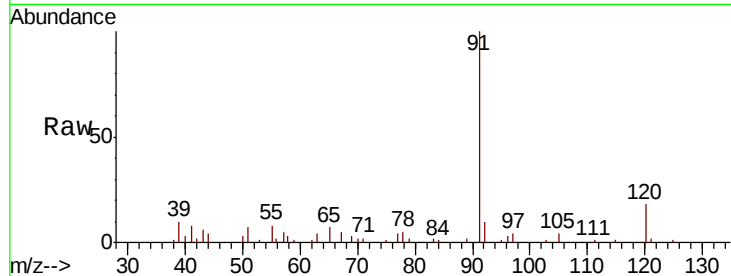
120 17.7 10.0 30.0

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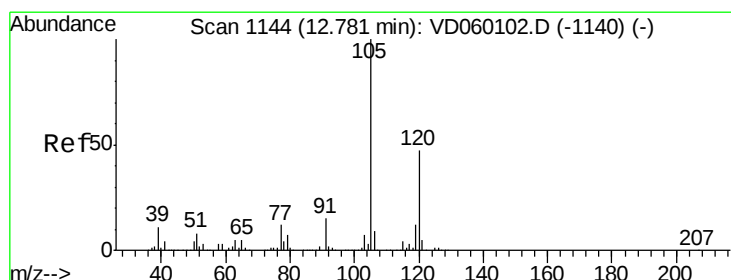
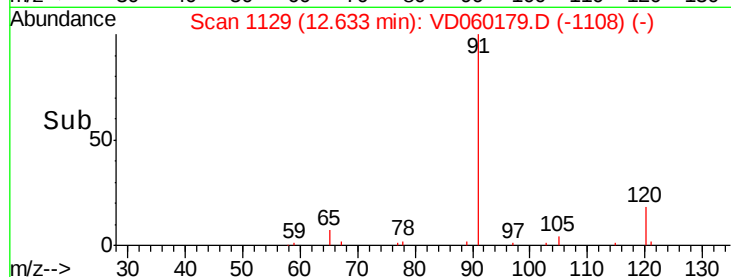
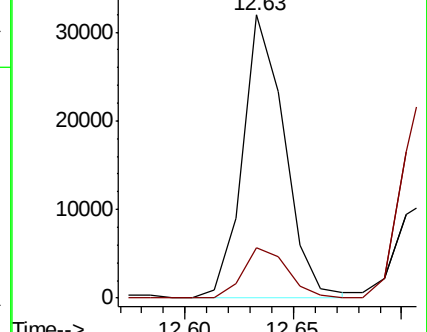
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#80

1,3,5-Trimethylbenzene

Concen: 12.092 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060179.D

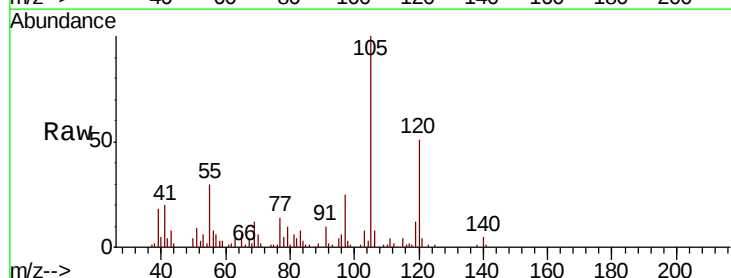
Acq: 24 Oct 2018 13:57

Tgt Ion: 105 Resp: 81658

Ion Ratio Lower Upper

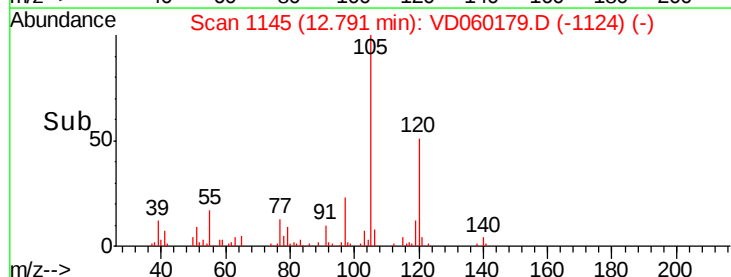
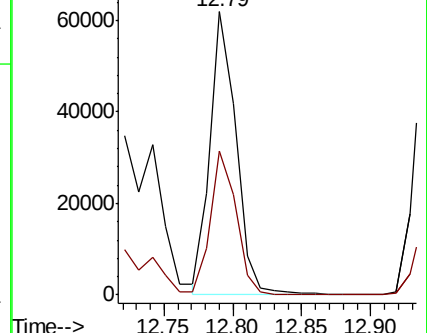
105 100

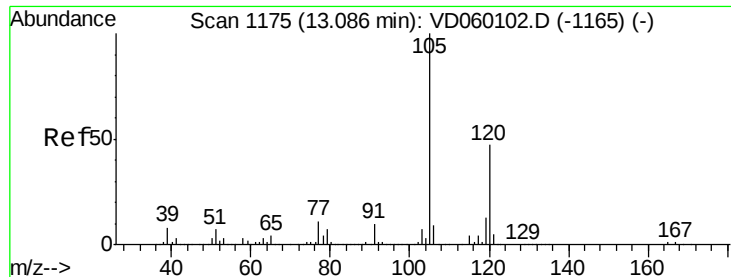
120 50.8 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#84

1,2,4-Trimethylbenzene

Concen: 38.076 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion:105 Resp: 270995

Ion Ratio Lower Upper

105 100

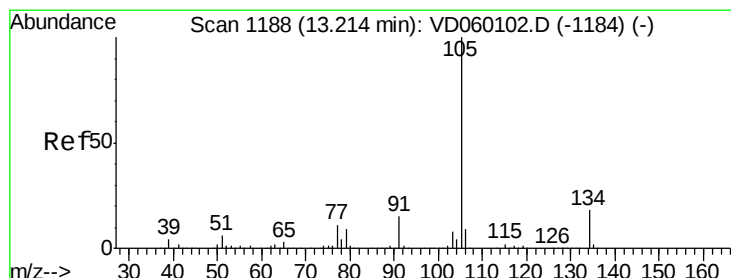
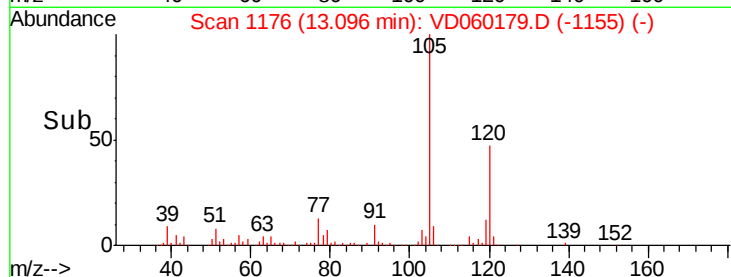
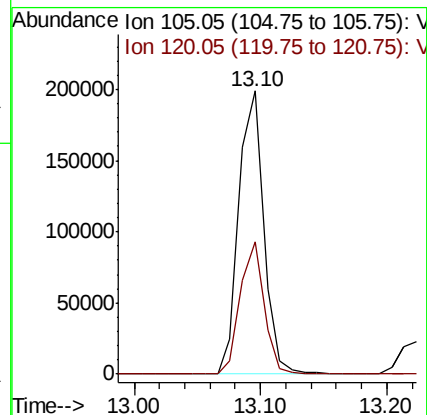
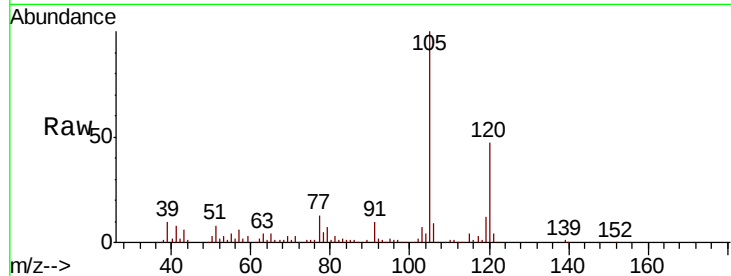
120 46.6 23.4 70.0

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#85

sec-Butylbenzene

Concen: 3.687 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060179.D

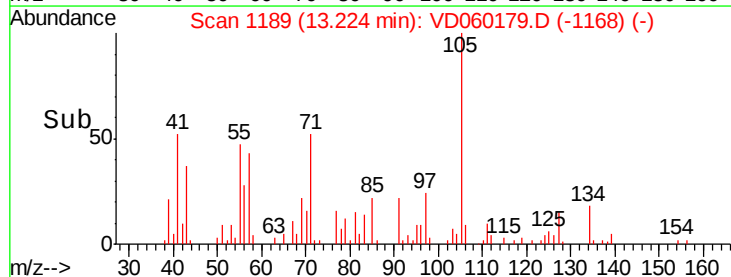
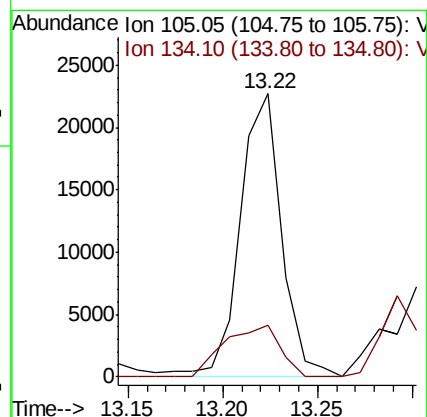
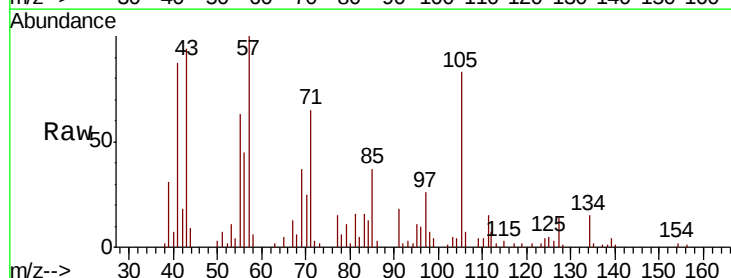
Acq: 24 Oct 2018 13:57

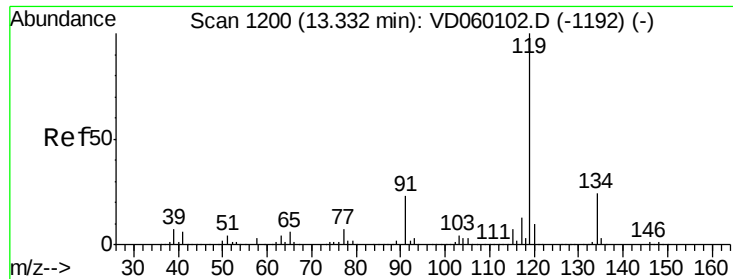
Tgt Ion:105 Resp: 33785

Ion Ratio Lower Upper

105 100

134 18.4 8.8 26.2





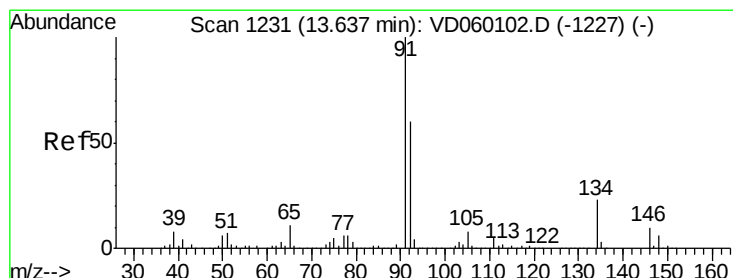
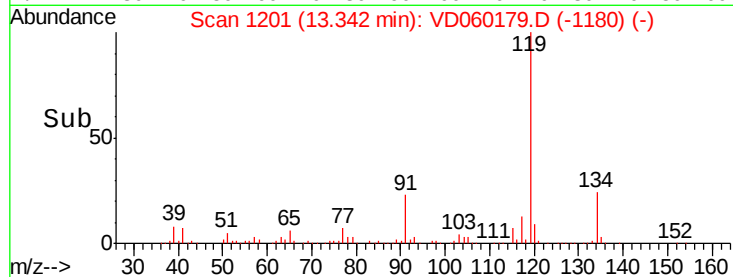
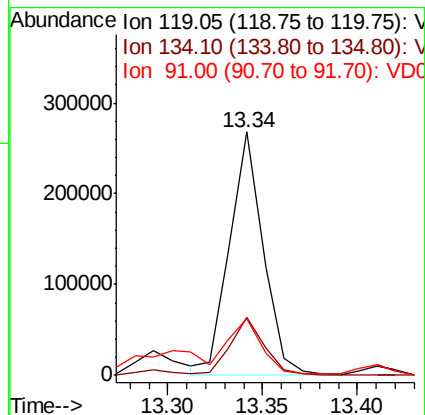
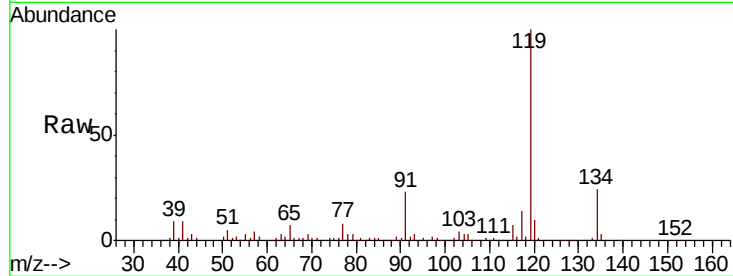
#86
 p-Isopropyltoluene
 Concen: 43.903 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060179.D
 Acq: 24 Oct 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 KG-VB-16195

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.6	12.3	36.8
91	23.5	11.8	35.4

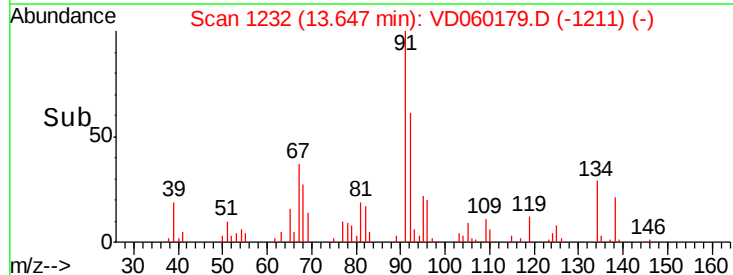
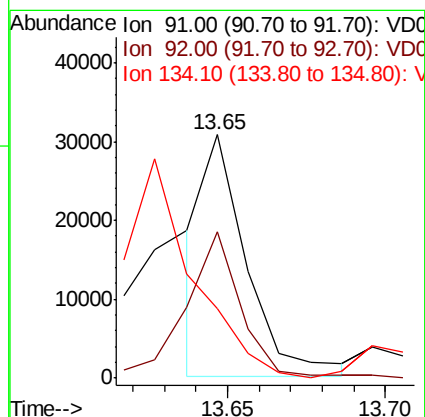
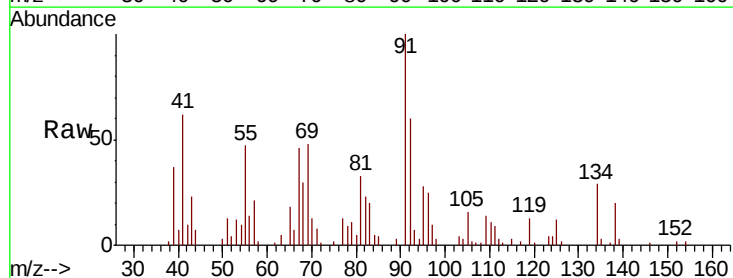
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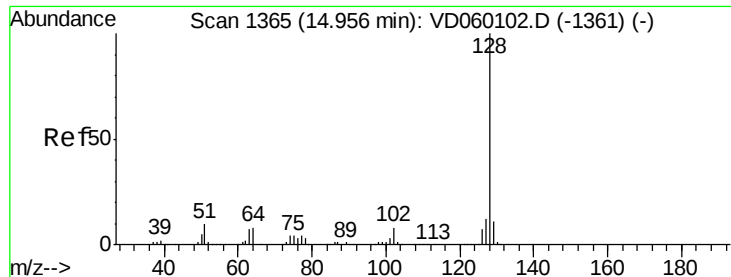
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#89
 n-Butylbenzene
 Concen: 4.018 ug/l m
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD060179.D
 Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.9	30.1	90.3
134	28.8	11.6	34.7





#95

Naphthalene

Concen: 13.375 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060179.D

Acq: 24 Oct 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

KG-VB-16195

Tot Ion:	128	Resp:	62507
Ion Ratio	Lower	Upper	
128	100		
127	14.4	9.9	14.9
129	10.9	8.8	13.2

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