

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066303.D
 Acq On : 19 Aug 2020 04:56
 Operator : VA/SY
 Sample : L3689-04
 Misc : 5.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

Manual Integrations
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 8/19/2020 5:23:37 PM

Quant Time: Aug 19 09:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	154817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	214239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	136827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	37889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	68643	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
35) Dibromofluoromethane	7.91	113	72451	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
50) Toluene-d8	10.34	98	220381	44.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.00%	
62) 4-Bromofluorobenzene	12.63	95	50987	28.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.48%	
Target Compounds						
39) Methylcyclohexane	9.36	83	4355	1.790	ug/l #	76
78) n-propylbenzene	12.82	91	4307	1.465	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	11358	5.370	ug/l	89
84) 1,2,4-Trimethylbenzene	13.27	105	26556	12.545	ug/l	99
85) sec-Butylbenzene	13.41	105	5723	2.279	ug/l	88
86) p-Isopropyltoluene	13.52	119	2509m	1.065	ug/l	
88) 1,4-Dichlorobenzene	13.60	146	2809	2.302	ug/l #	1
91) 1,2-Dichlorobenzene	13.90	146	8888	8.213	ug/l #	53

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

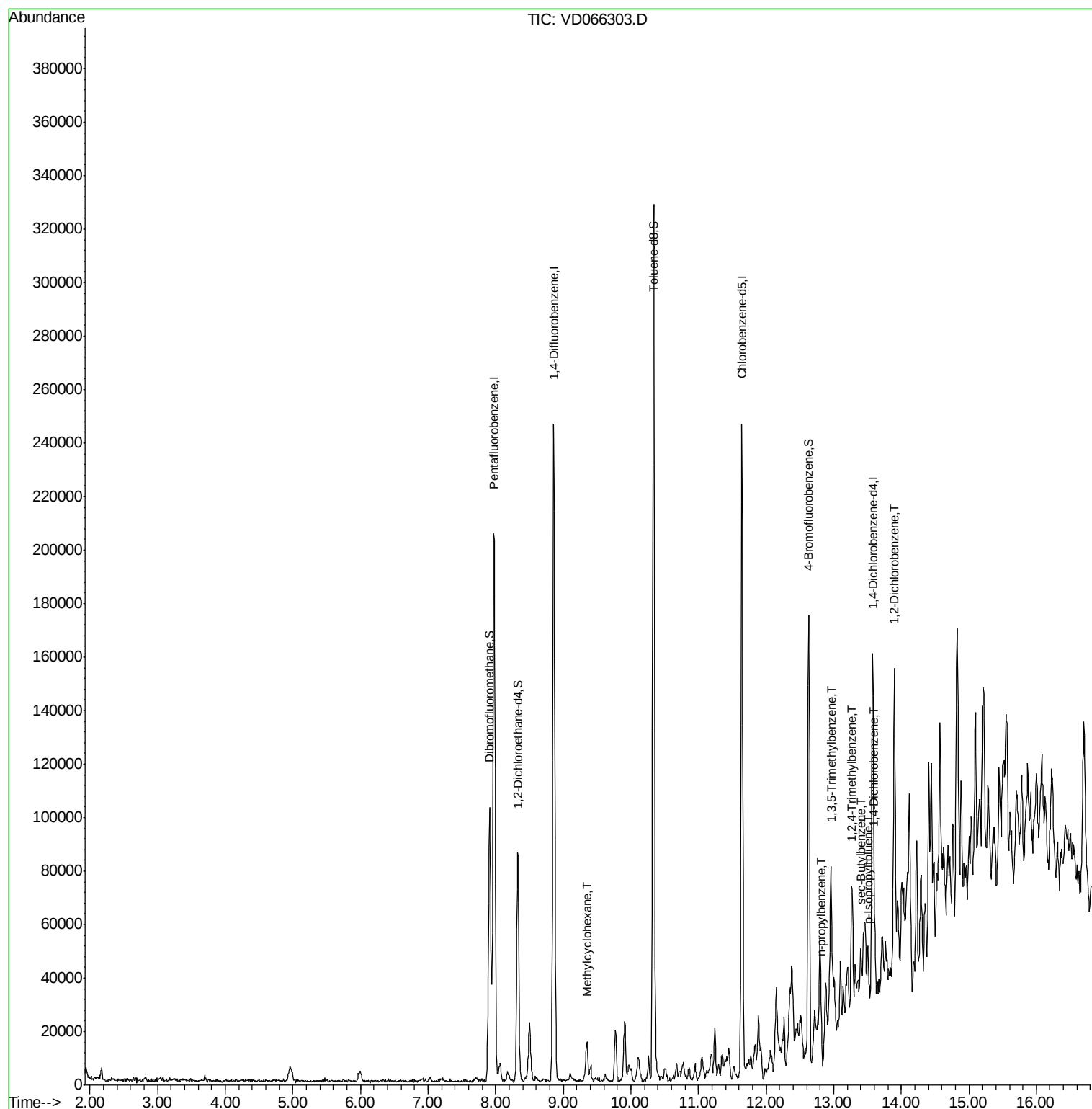
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
Data File : VD066303.D
Acq On : 19 Aug 2020 04:56
Operator : VA/SY
Sample : L3689-04
Misc : 5.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

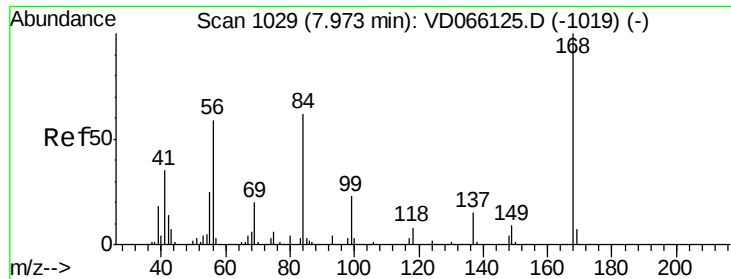
Instrument :
MSVOA_D
ClientSampleId :
TP-5

Manual Integrations
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Quant Time: Aug 19 09:05:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

Instrument :

MSVOA_D

ClientSampled :

TP-5

Tot Ion:168 Resp: 154817

Ion Ratio Lower Upper

168 100

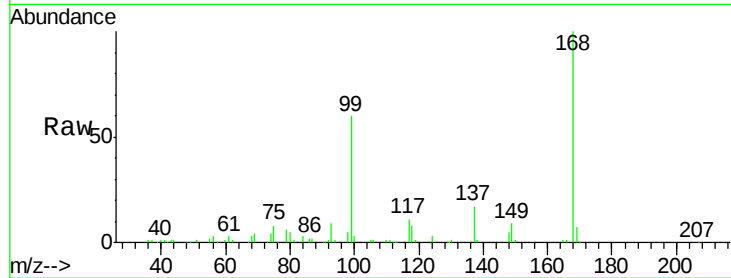
99 59.8 42.2 63.4

Manual Integrations

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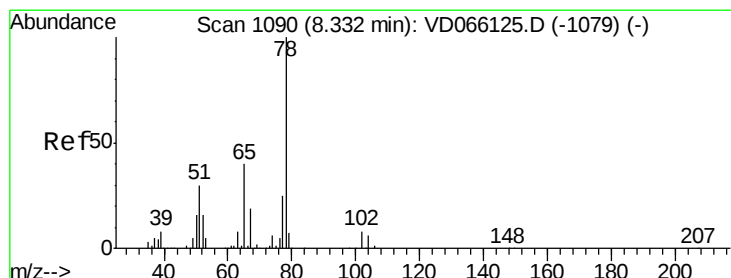
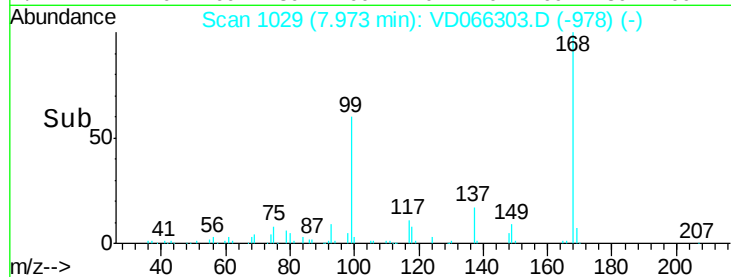
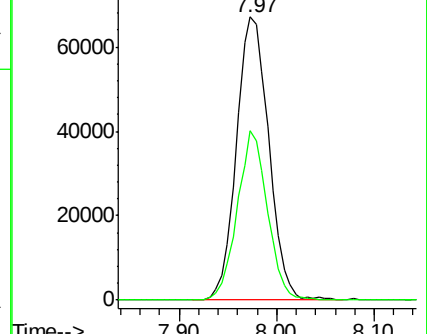
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.698 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066303.D

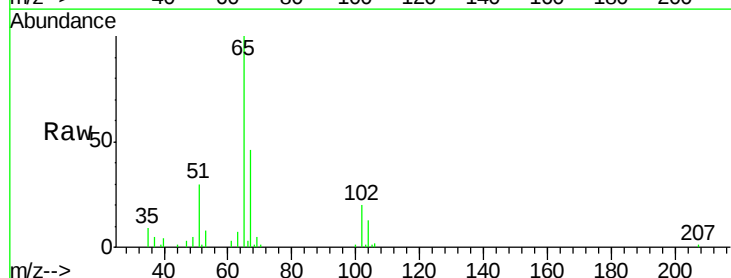
Acq: 19 Aug 2020 04:56

Tgt Ion: 65 Resp: 68643

Ion Ratio Lower Upper

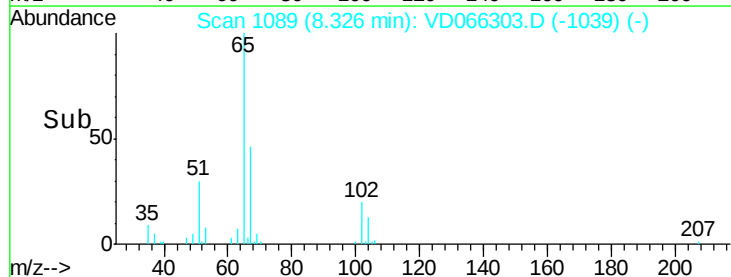
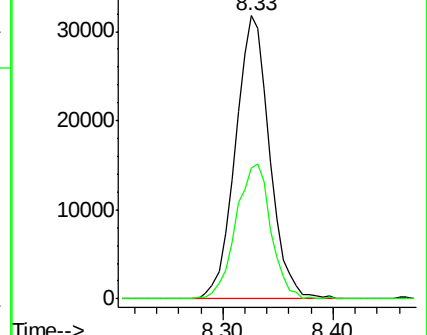
65 100

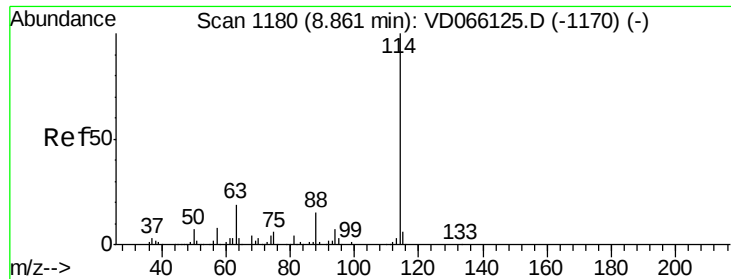
67 49.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





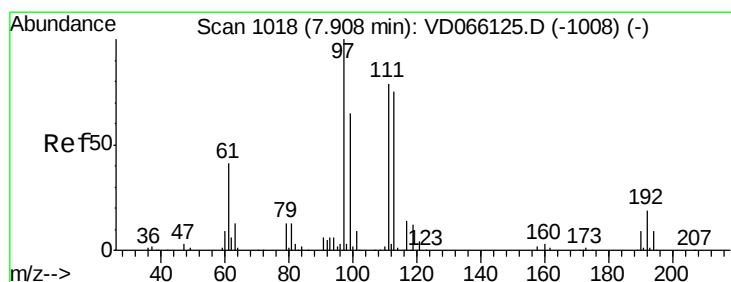
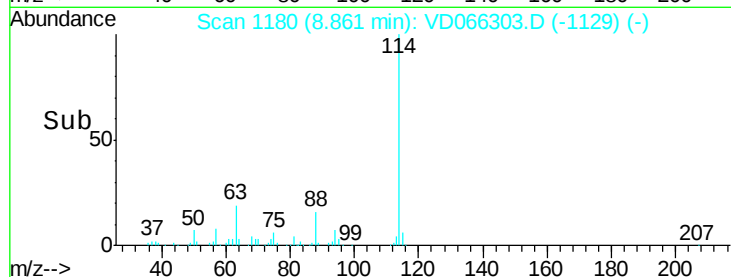
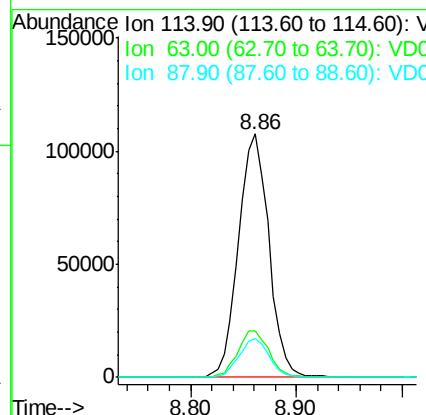
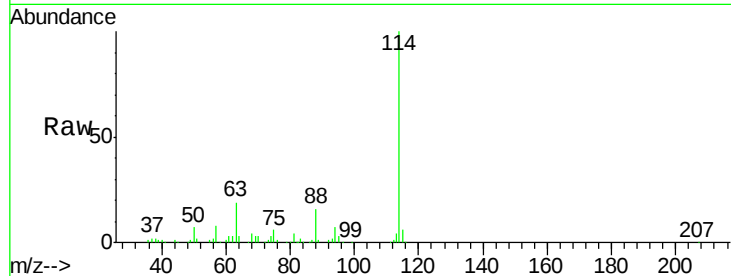
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066303.D
 Acq: 19 Aug 2020 04:56

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		214239		
63	19.0		0.0	38.6	
88	15.8		0.0	30.0	

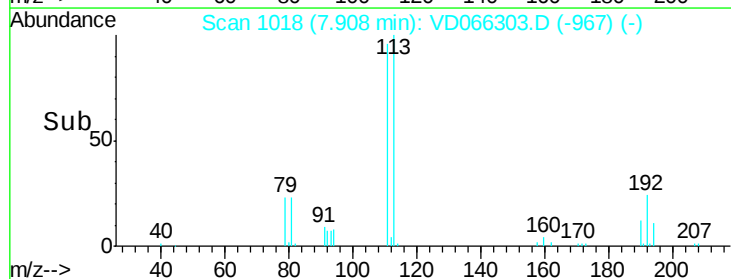
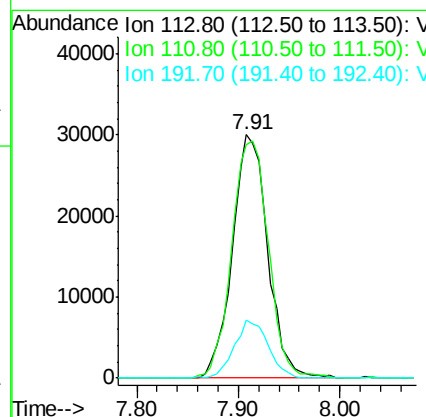
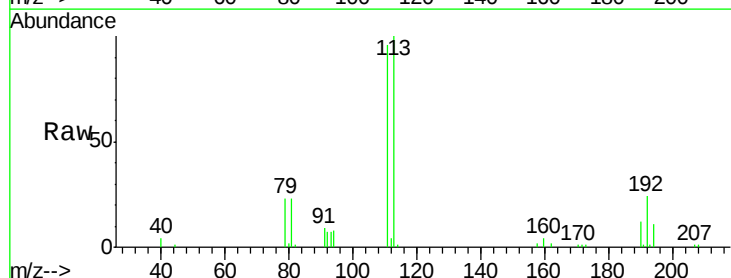
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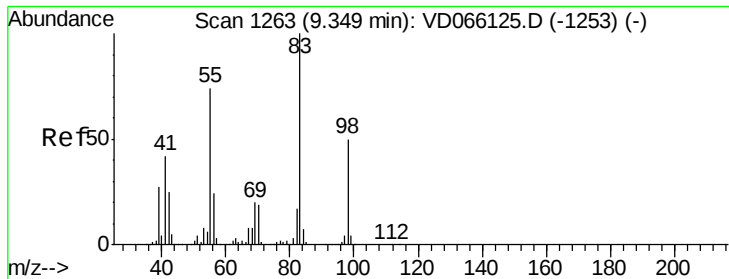
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#35
 Dibromofluoromethane
 Concen: 53.383 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066303.D
 Acq: 19 Aug 2020 04:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		72451		
111	101.2		80.7	121.1	
192	22.7		18.4	27.6	





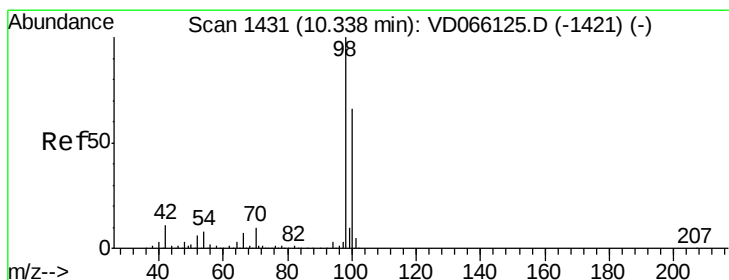
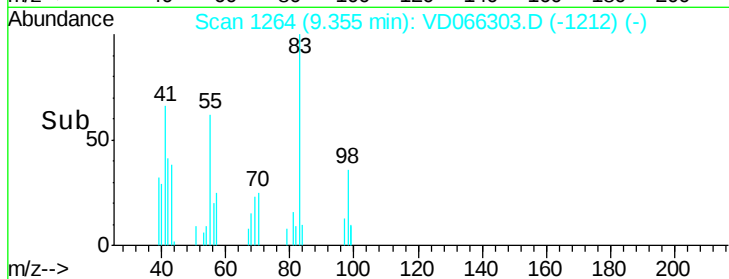
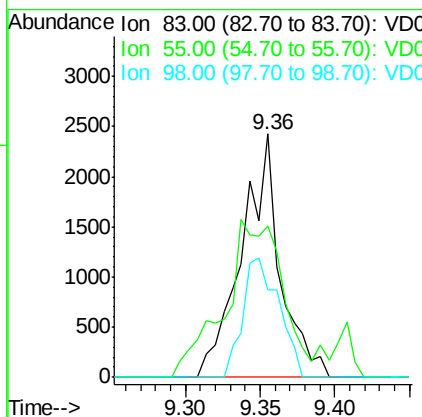
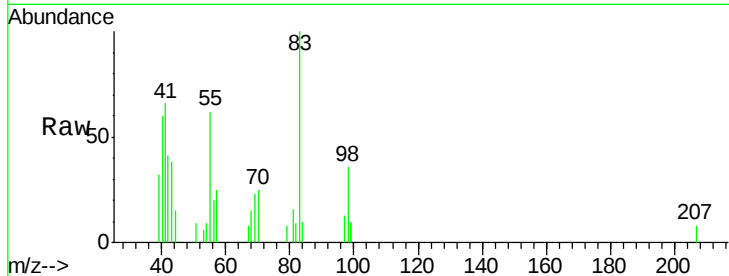
#39
Methvlcvclohexane
Concen: 1.790 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066303.D
Acq: 19 Aug 2020 04:56

Instrument :
MSVOA_D
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
83	100		
55	50.9	59.2	88.8#
98	36.2	39.8	59.6#

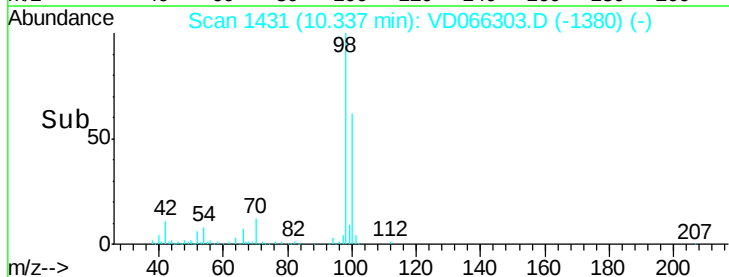
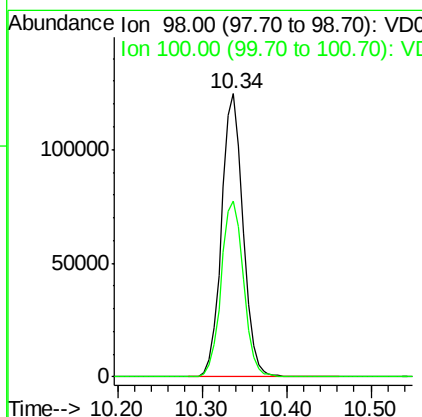
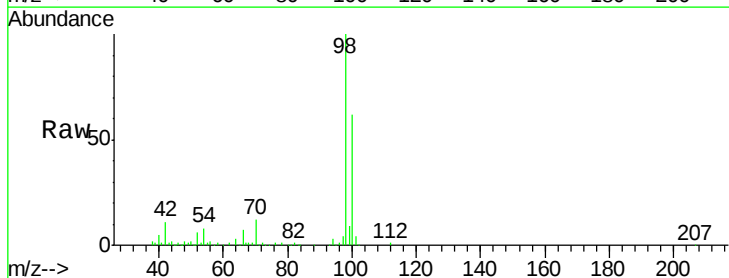
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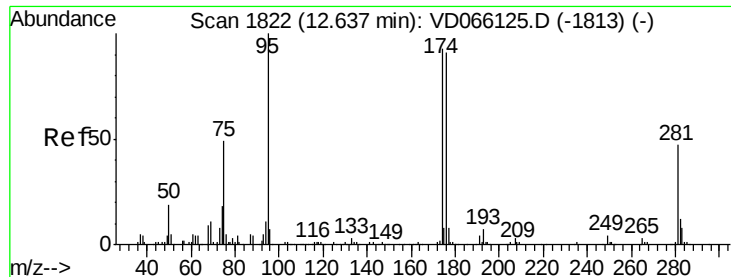
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#50
Toluene-d8
Concen: 44.003 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066303.D
Acq: 19 Aug 2020 04:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	78.8





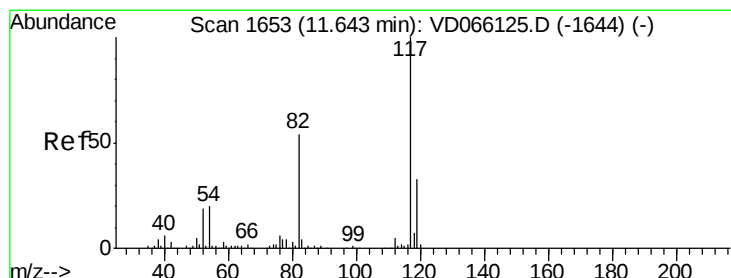
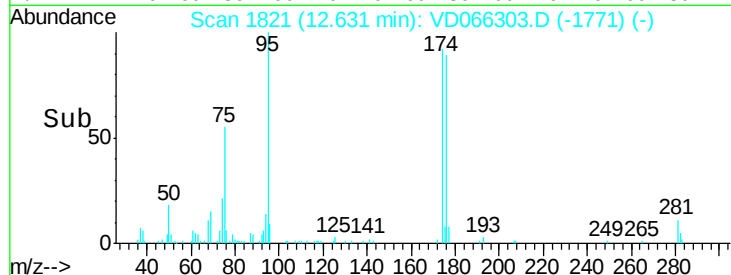
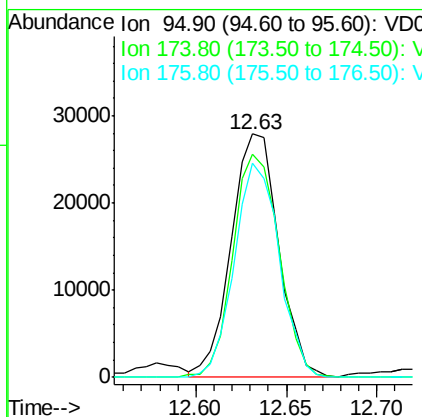
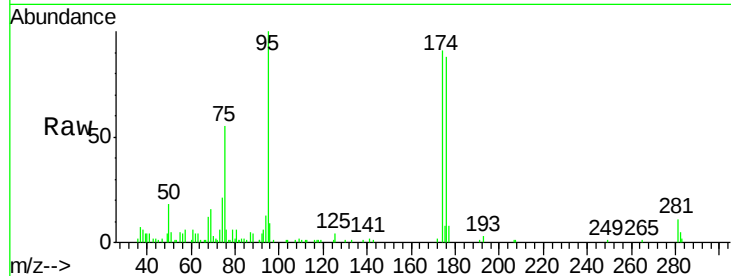
#62
4-Bromofluorobenzene
Concen: 28.243 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066303.D
Acq: 19 Aug 2020 04:56

Instrument :
MSVOA_D
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	50987		
174	88.8		0.0	180.8
176	82.9		0.0	181.2

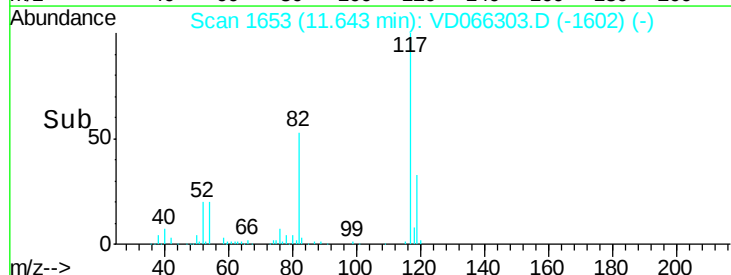
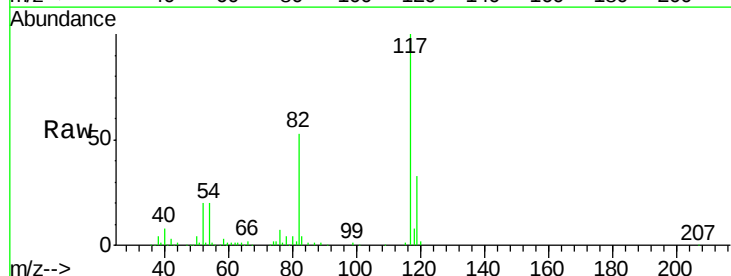
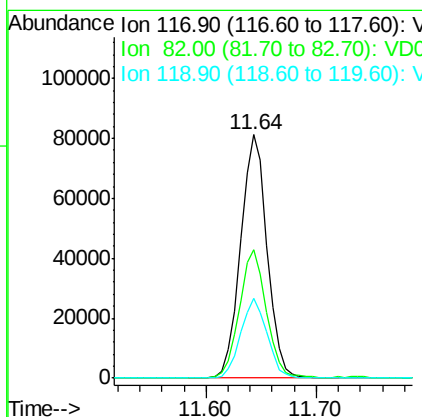
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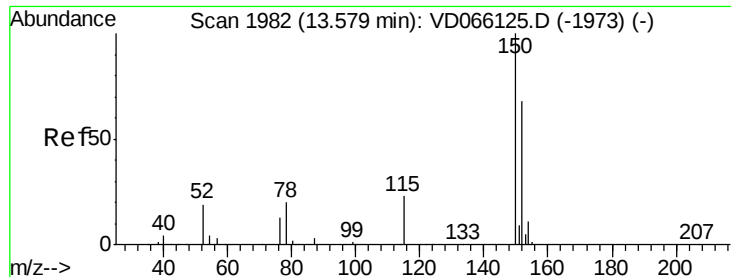
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066303.D
Acq: 19 Aug 2020 04:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	136827		
82	52.7		43.0	64.4
119	33.0		26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

Instrument :

MSVOA_D

ClientSampled :

TP-5

Tot Ion:152 Resp: 37889

Ion Ratio Lower Upper

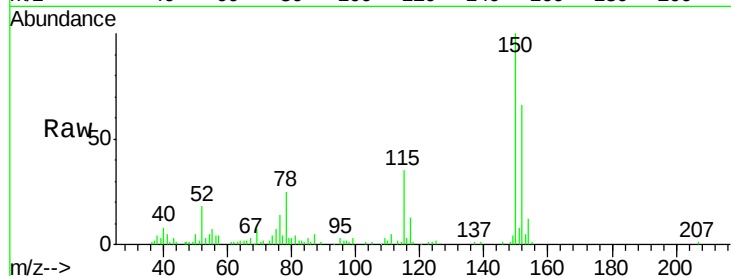
152 100

115 51.6 28.0 83.9

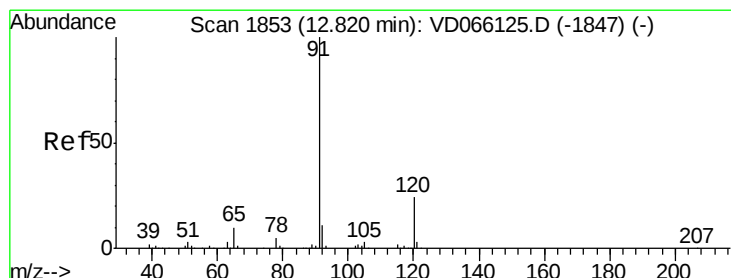
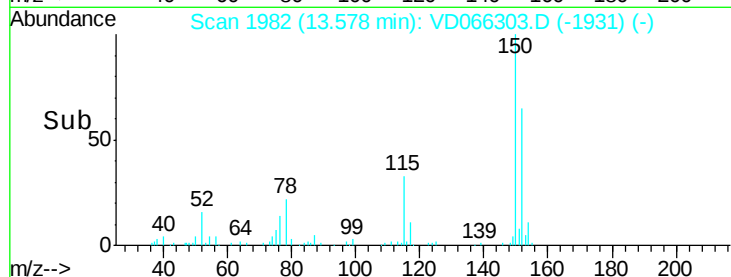
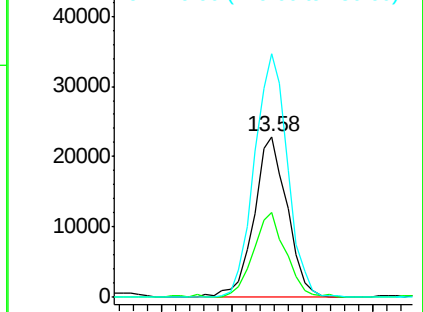
150 150.6 0.0 346.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 1.465 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066303.D

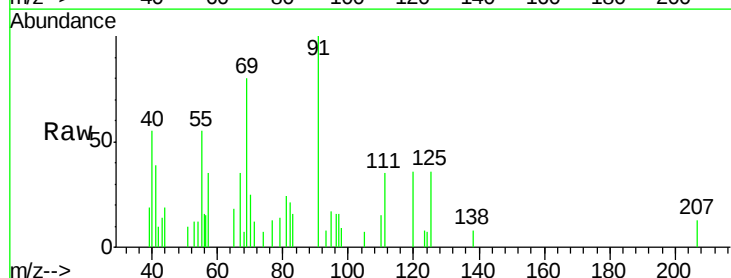
Acq: 19 Aug 2020 04:56

Tgt Ion: 91 Resp: 4307

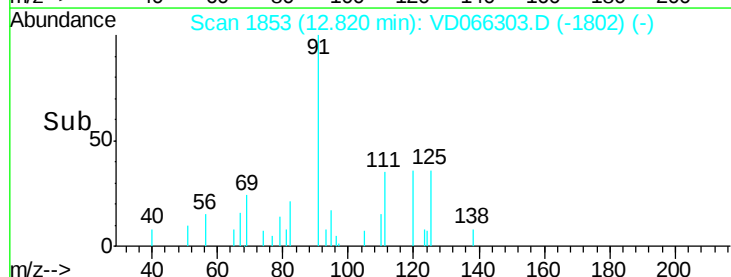
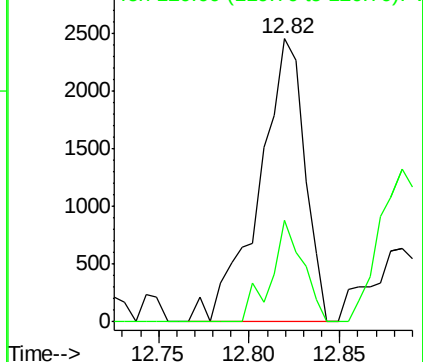
Ion Ratio Lower Upper

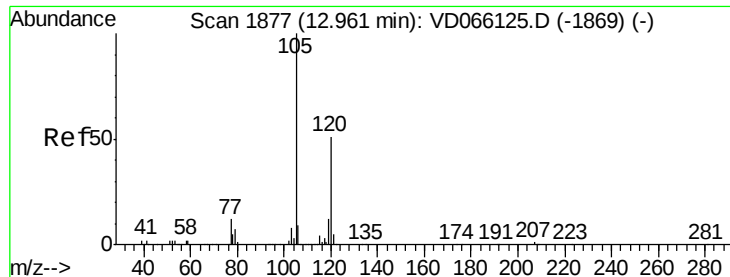
91 100

120 25.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





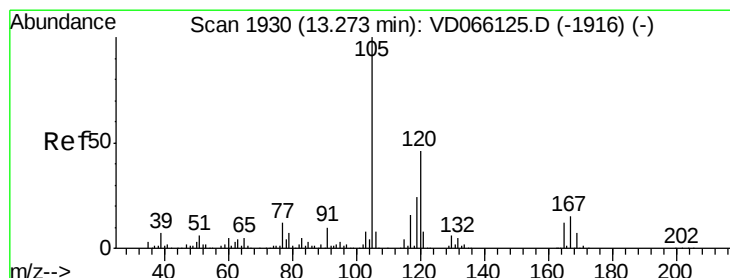
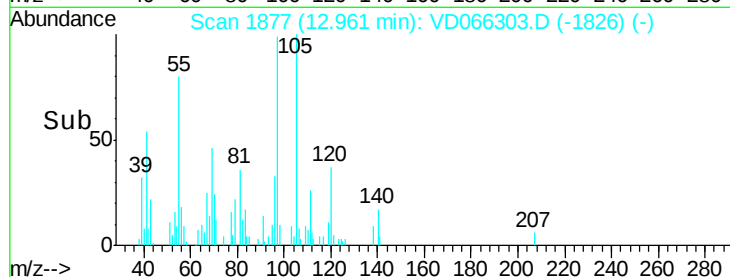
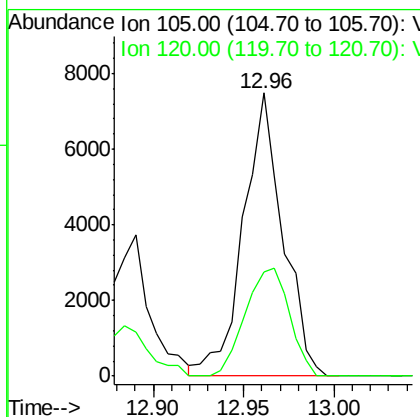
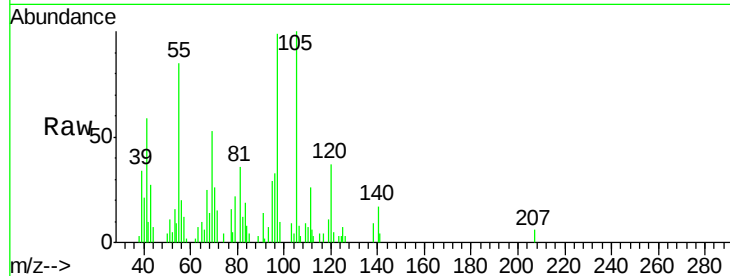
#80
 1,3,5-Trimethylbenzene
 Concen: 5.370 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066303.D
 Acq: 19 Aug 2020 04:56

Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

Tot Ion:105 Resp: 11358
 Ion Ratio Lower Upper
 105 100
 120 42.7 25.3 75.8

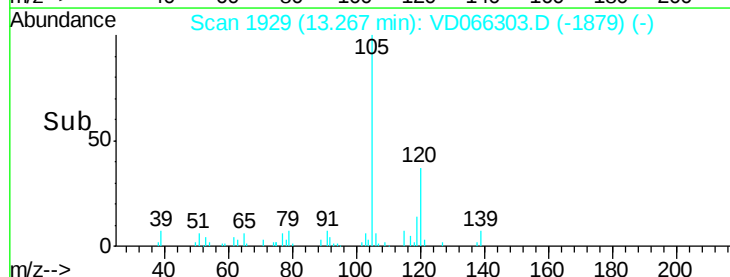
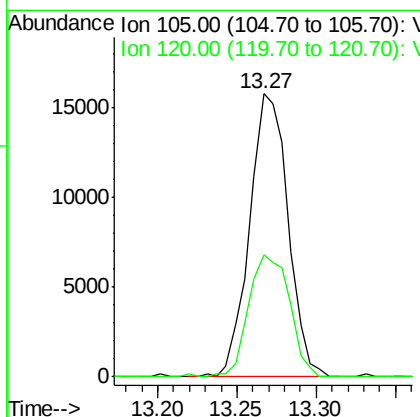
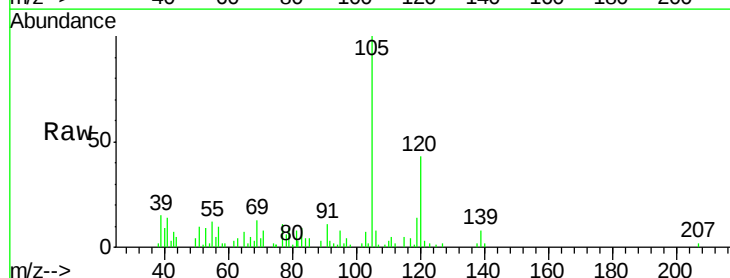
Manual Integrations
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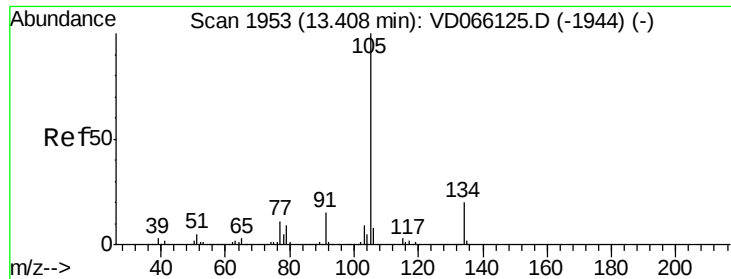
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#84
 1,2,4-Trimethylbenzene
 Concen: 12.545 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066303.D
 Acq: 19 Aug 2020 04:56

Tgt Ion:105 Resp: 26556
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.279 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

Instrument :

MSVOA_D

ClientSampled :

TP-5

Tot Ion:105 Resp: 5723

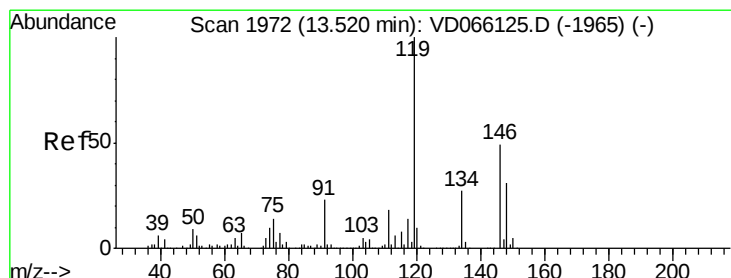
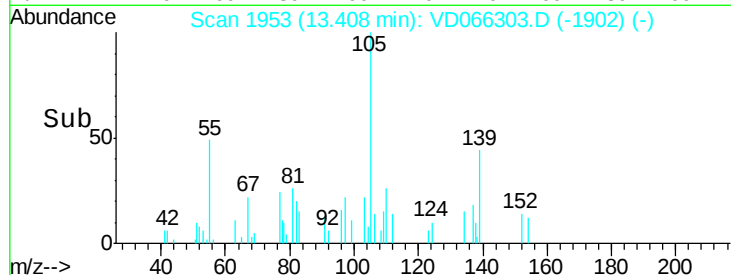
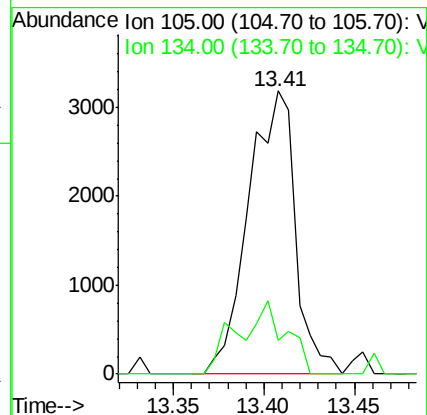
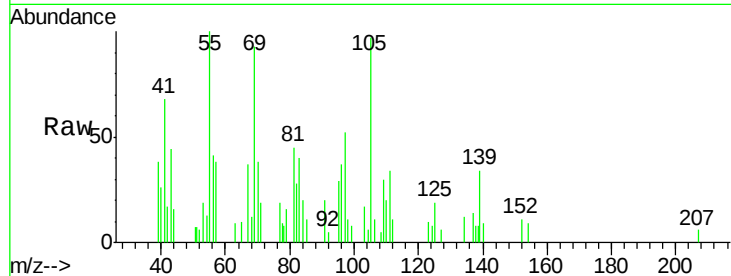
Ion Ratio Lower Upper

105 100

134 26.3 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 1.065 ug/l m

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

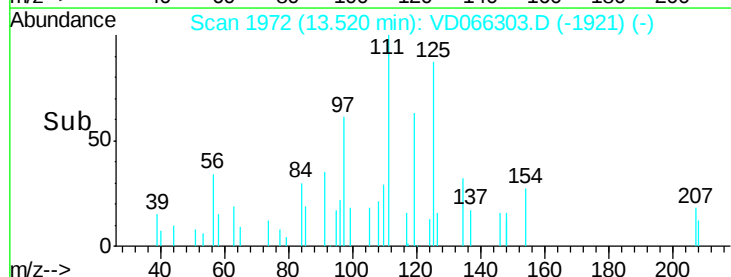
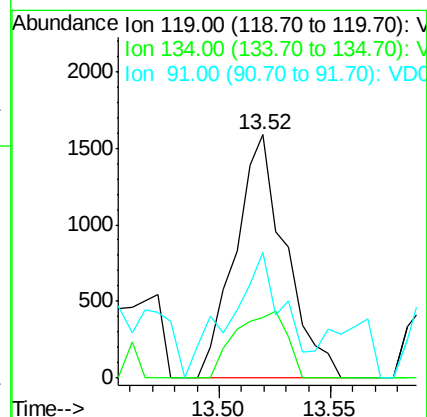
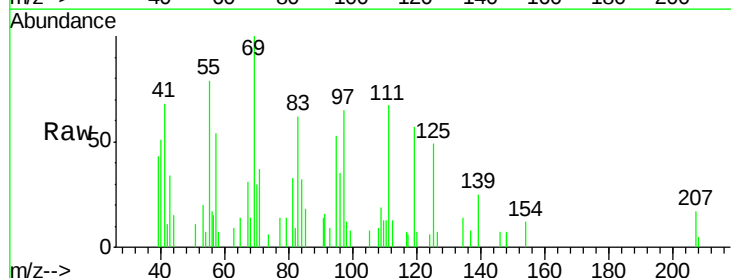
Tgt Ion:119 Resp: 2509

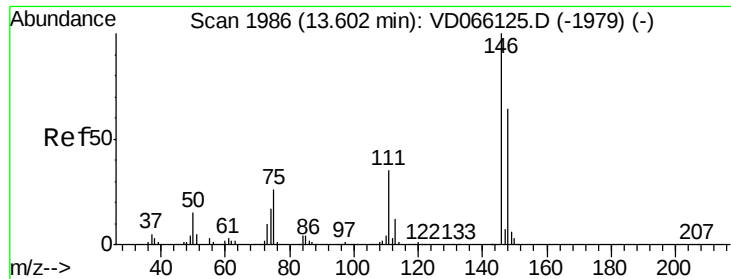
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 35.4 11.2 33.5#





#88

1,4-Dichlorobenzene

Concen: 2.302 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

Instrument :

MSVOA_D

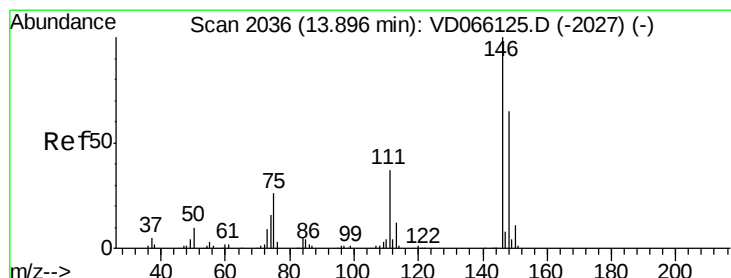
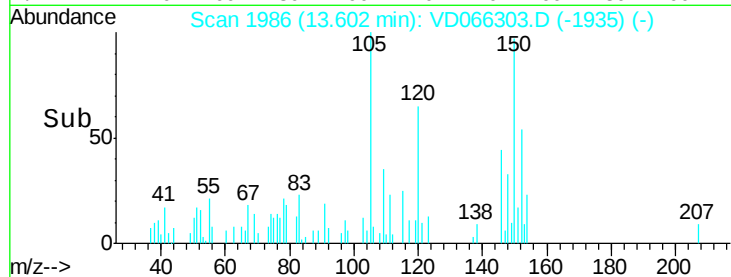
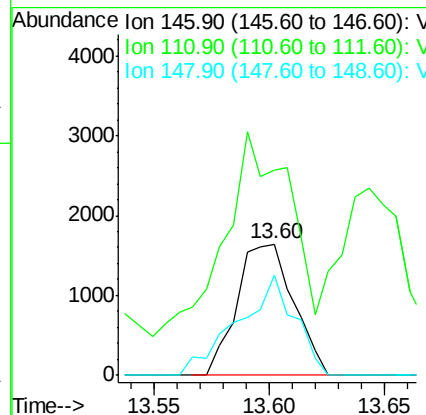
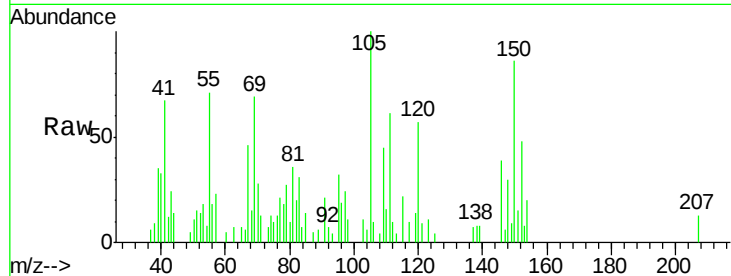
ClientSampled :

TP-5

Tot Ion:146 Resp: 2809
 Ion Ratio Lower Upper
 146 100
 111 187.1 18.6 55.8#
 148 76.3 32.4 97.0

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:37 PM



#91

1,2-Dichlorobenzene

Concen: 8.213 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD066303.D

Acq: 19 Aug 2020 04:56

Tgt Ion:146 Resp: 8888
 Ion Ratio Lower Upper
 146 100
 111 104.9 18.8 56.3#
 148 69.7 31.9 95.5

