

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064319.D
 Acq On : 20 Nov 2019 18:09
 Operator : VA/SY
 Sample : K5957-05
 Misc : 4.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-3-(12.5-14.5)

Manual Integrations
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MMDadoda
 11/22/2019 12:52:22 AM

Quant Time: Nov 21 07:30:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	1448891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	2051336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1762619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	865423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	576224	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.72%		
35) Dibromofluoromethane	7.92	113	599494	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.82%		
50) Toluene-d8	10.34	98	2372836	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.84%		
62) 4-Bromofluorobenzene	12.64	95	830637	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.36	83	119213	4.976	ug/l	98
67) Ethyl Benzene	11.75	91	136502	2.105	ug/l	99
68) m/p-Xylenes	11.86	106	243316	9.791	ug/l	99
73) Isopropylbenzene	12.48	105	373536	5.880	ug/l	100
78) n-propylbenzene	12.83	91	839224	11.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	914359	17.518	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	3030964	58.818	ug/l	99
85) sec-Butylbenzene	13.41	105	269391	4.358	ug/l #	70
86) p-Isopropyltoluene	13.53	119	217688	3.704	ug/l	99
89) n-Butylbenzene	13.85	91	141920m	2.673	ug/l	

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

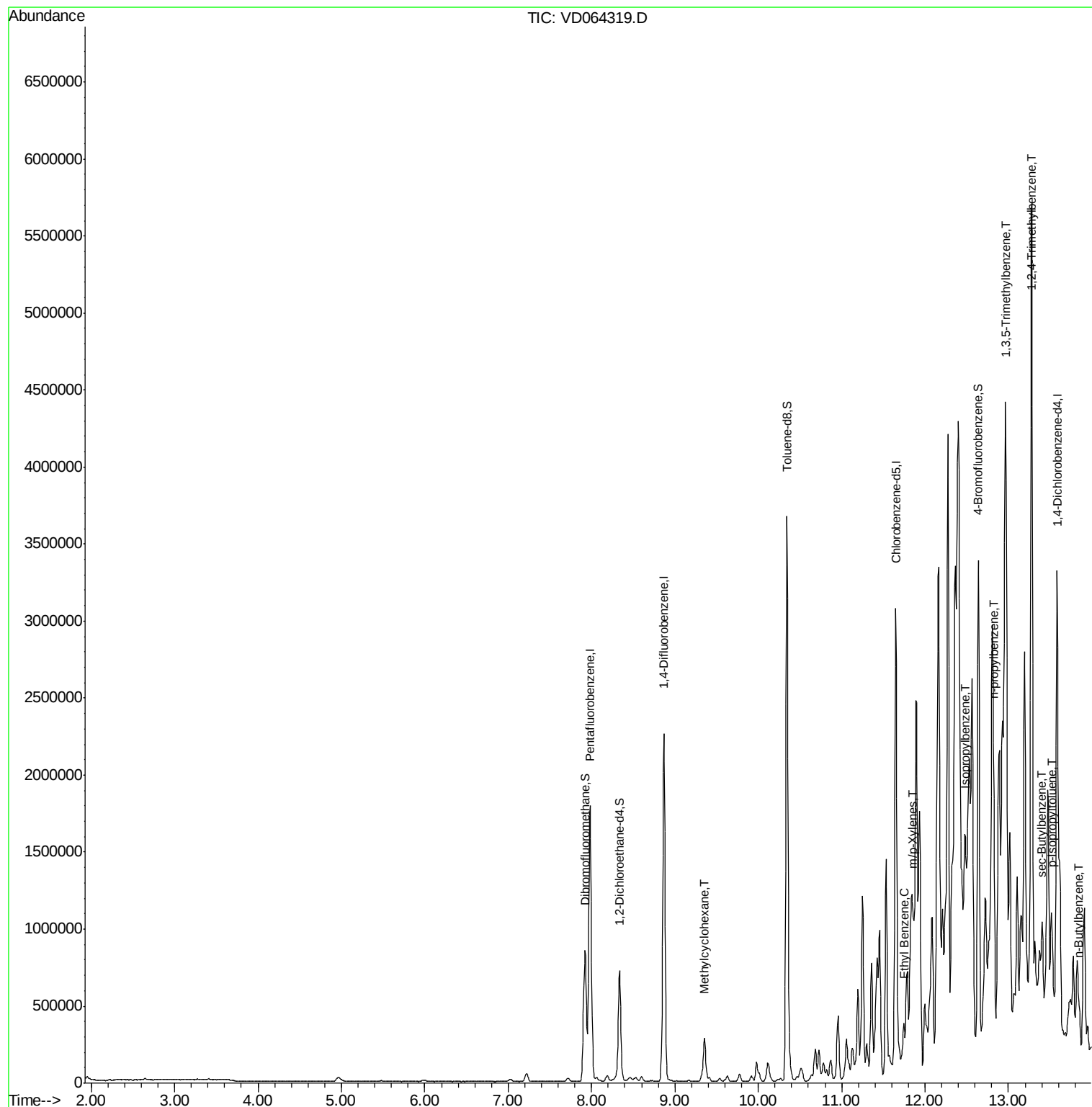
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064319.D
Acq On : 20 Nov 2019 18:09
Operator : VA/SY
Sample : K5957-05
Misc : 4.60G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

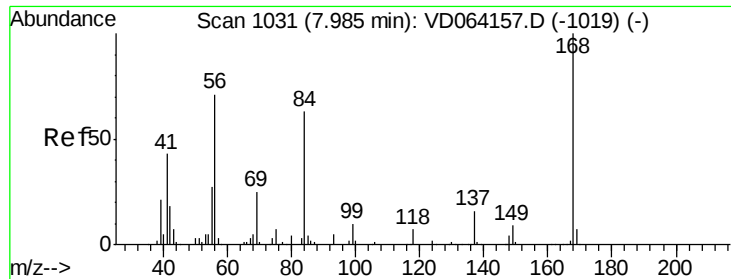
Instrument :
MSVOA_D
ClientSampleId :
MW-3-(12.5-14.5)

Manual Integrations
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11/22/2019 12:52:22 AM

Quant Time: Nov 21 07:30:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064319.D

Acq: 20 Nov 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

MW-3-(12.5-14.5)

Tot Ion:168 Resp: 1448891

Ion Ratio Lower Upper

168 100

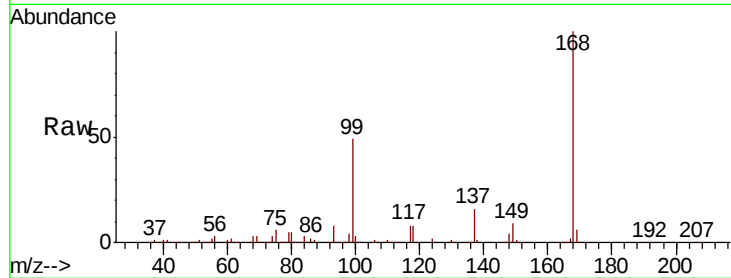
99 48.9 41.6 62.4

Manual Integrations

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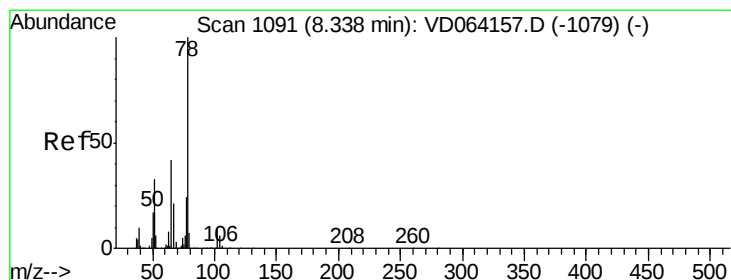
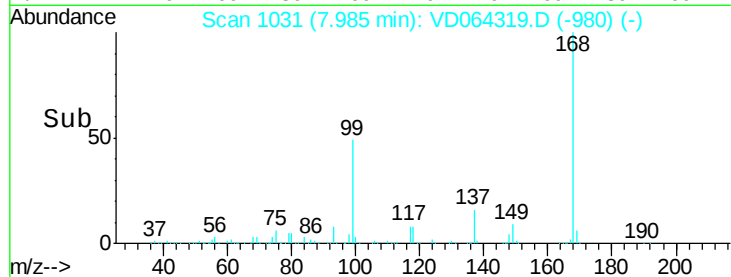
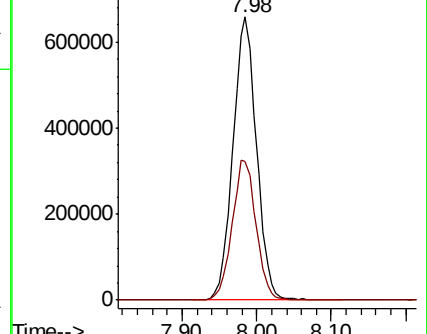
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 48.356 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064319.D

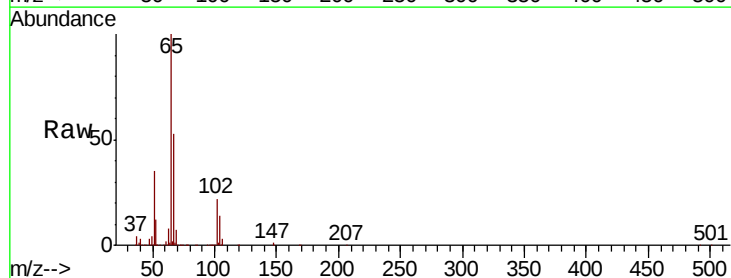
Acq: 20 Nov 2019 18:09

Tgt Ion: 65 Resp: 576224

Ion Ratio Lower Upper

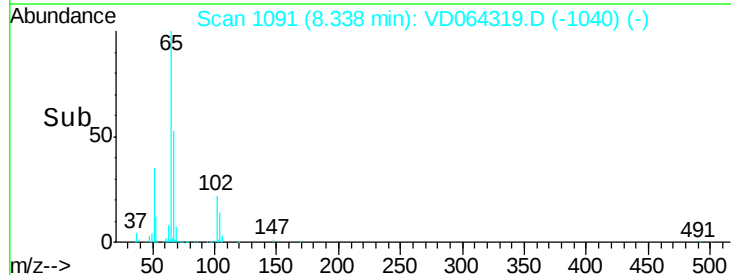
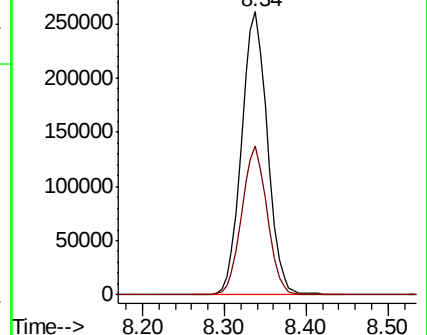
65 100

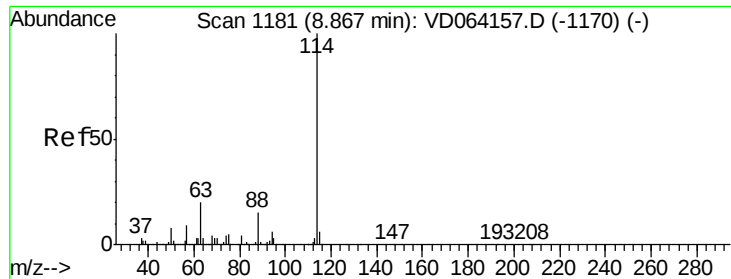
67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





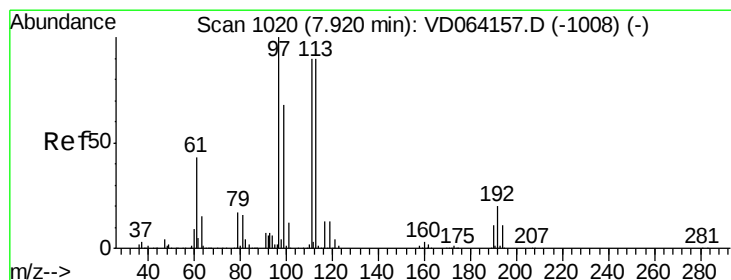
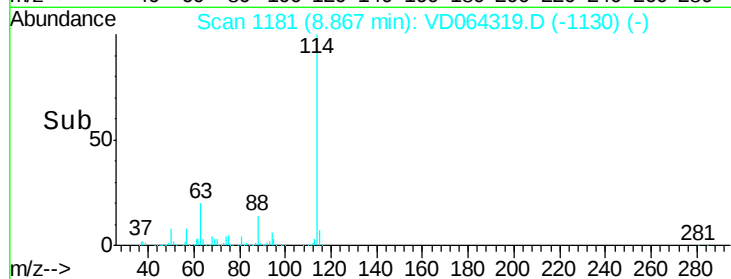
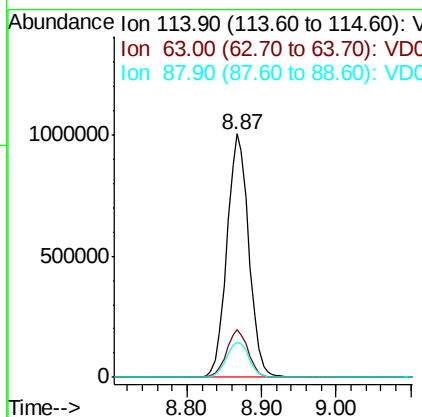
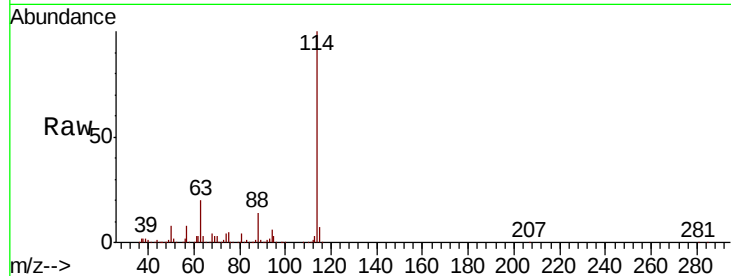
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064319.D
 Acq: 20 Nov 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	14.5	0.0	30.2

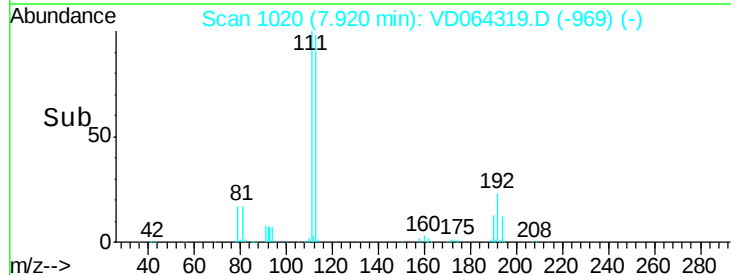
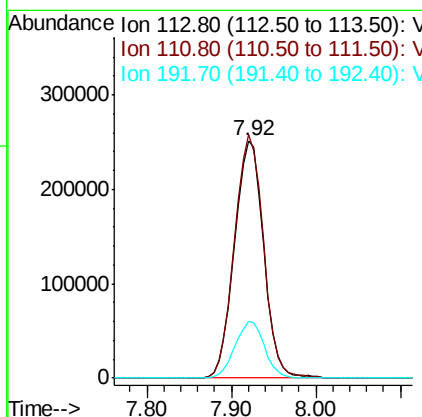
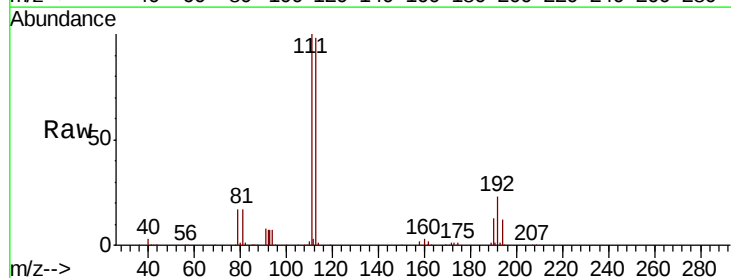
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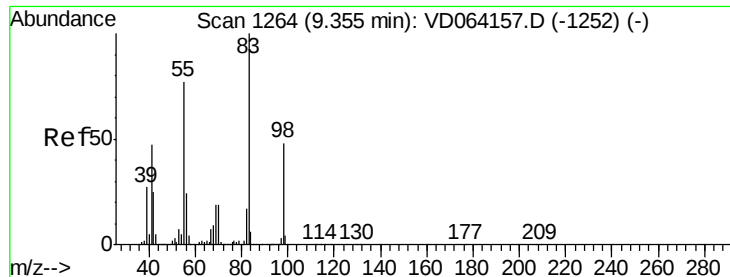
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#35
 Dibromofluoromethane
 Concen: 50.912 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064319.D
 Acq: 20 Nov 2019 18:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	24.1	18.8	28.2





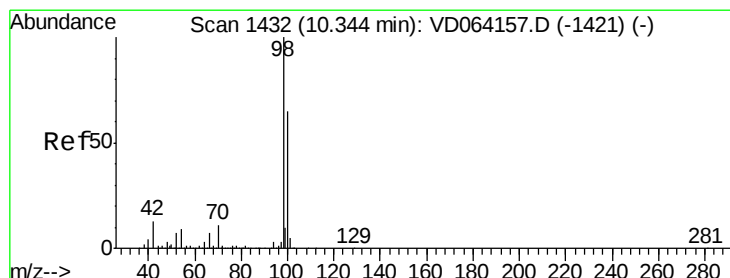
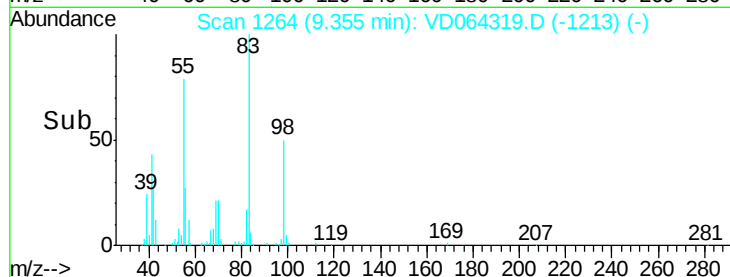
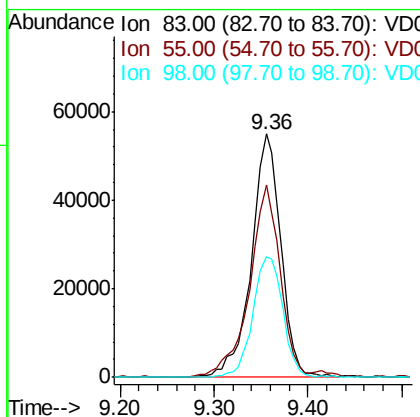
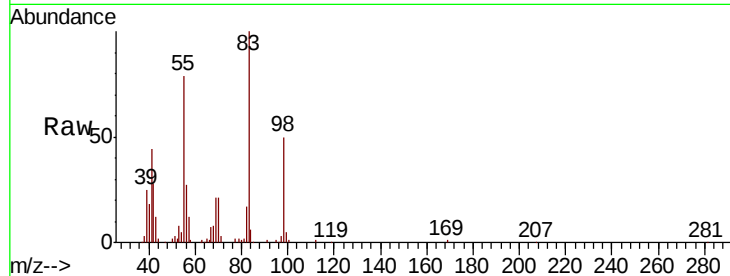
#39
Methylcyclohexane
Concen: 4.976 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
MW-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.7	92.5
98	49.7	38.6	58.0

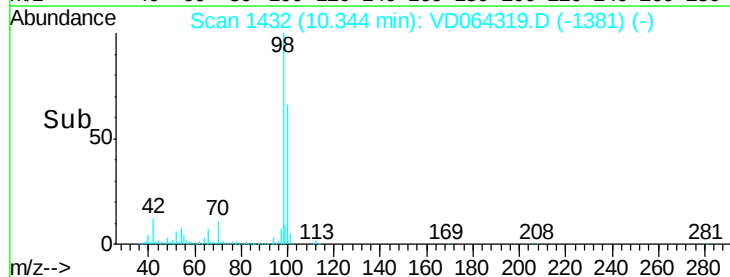
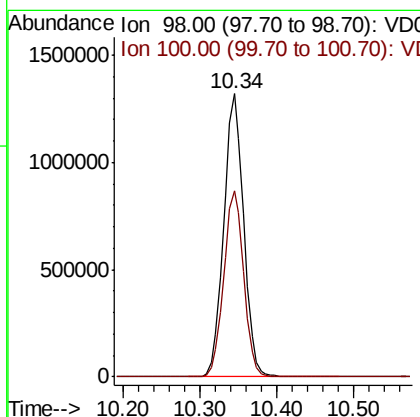
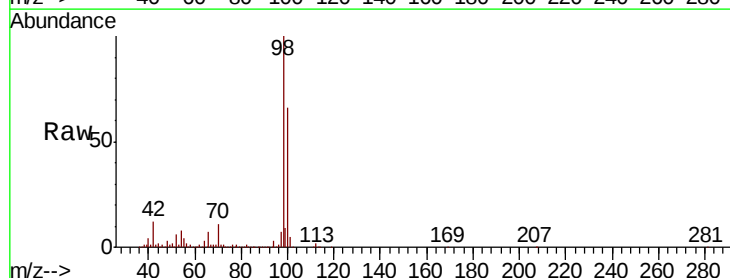
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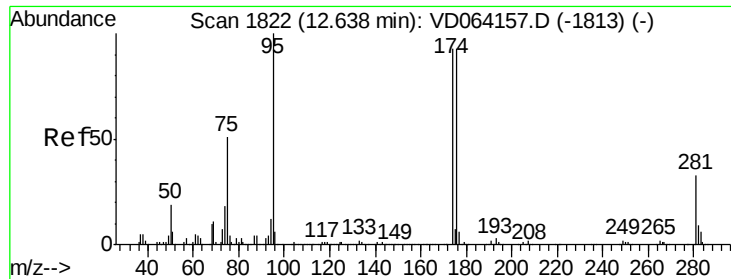
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#50
Toluene-d8
Concen: 53.418 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





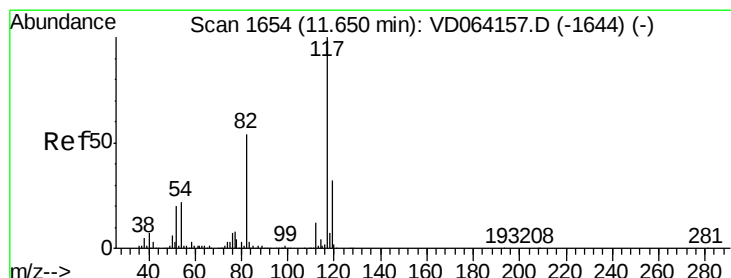
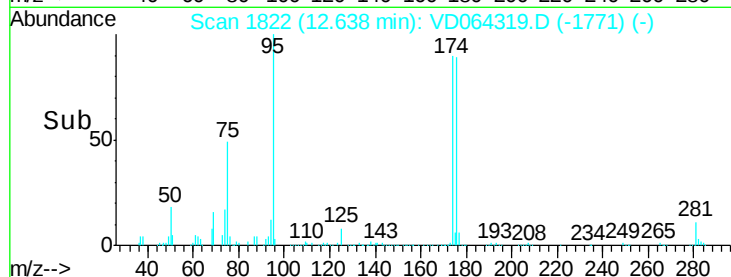
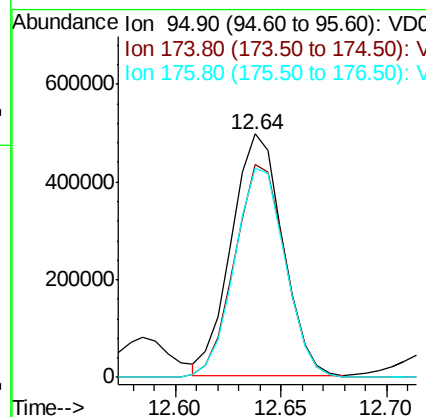
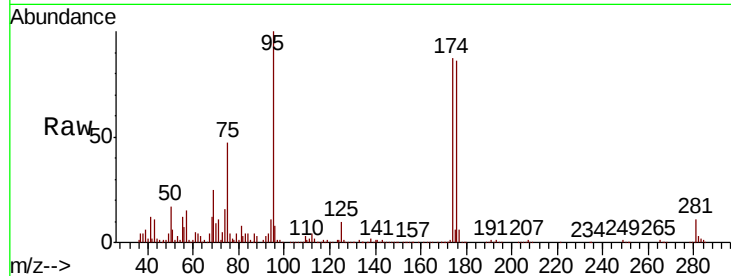
#62
4-Bromofluorobenzene
Concen: 53.997 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
MW-3-(12.5-14.5)

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	183.6
176	86.1	0.0	180.2

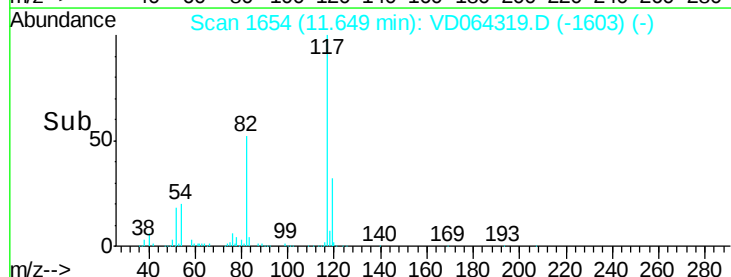
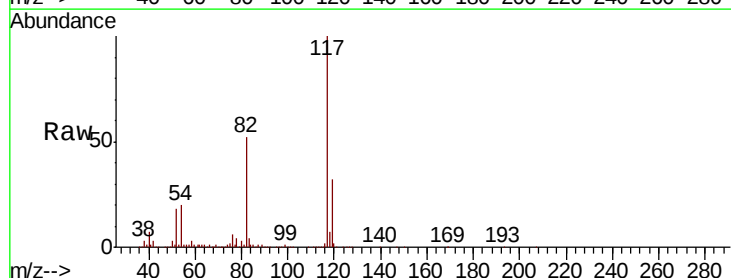
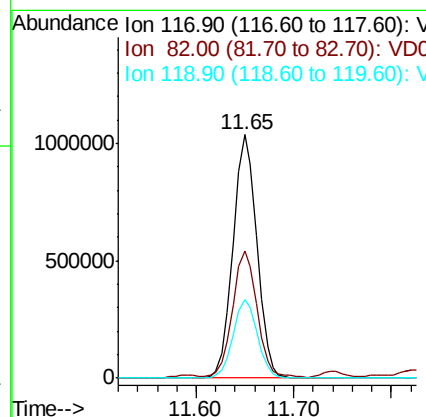
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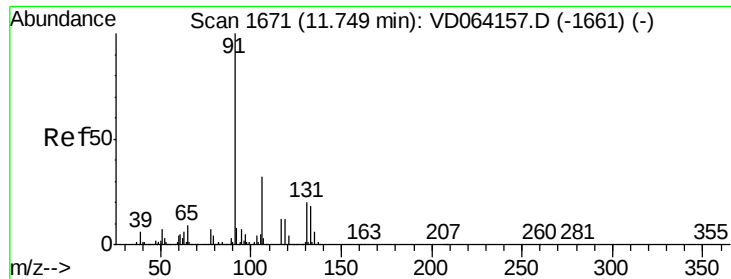
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.8	64.2
119	31.9	25.6	38.4





#67

Ethyl Benzene

Concen: 2.105 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064319.D

Acq: 20 Nov 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

MW-3-(12.5-14.5)

Tot Ion: 91 Resp: 136502

Ion Ratio Lower Upper

91 100

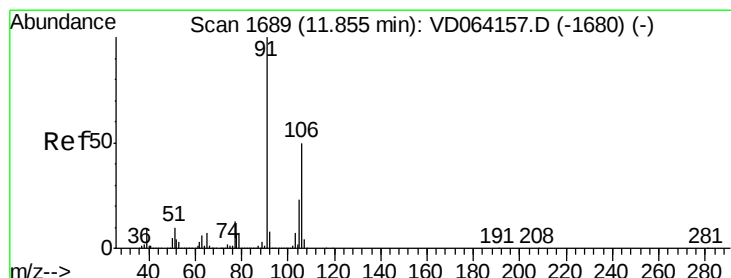
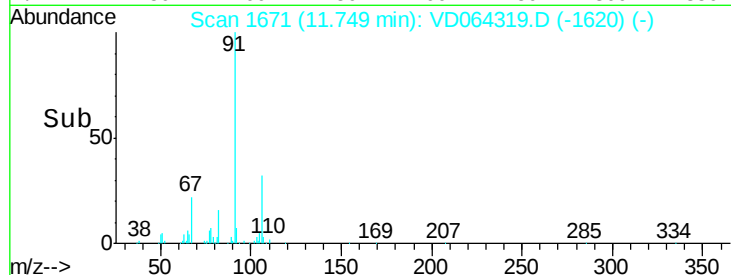
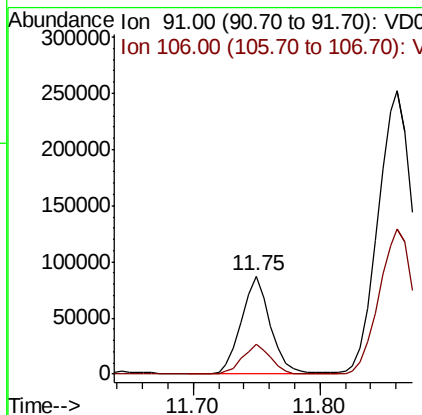
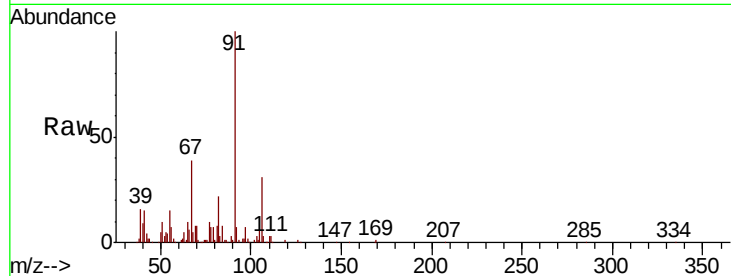
106 31.2 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.791 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064319.D

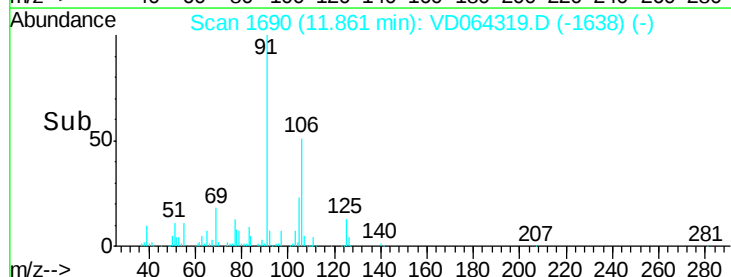
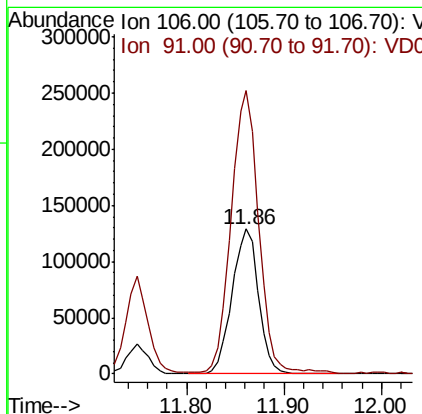
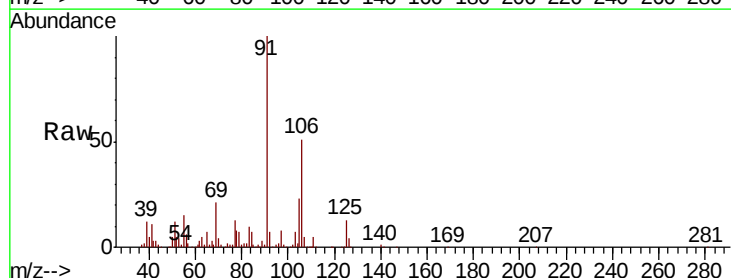
Acq: 20 Nov 2019 18:09

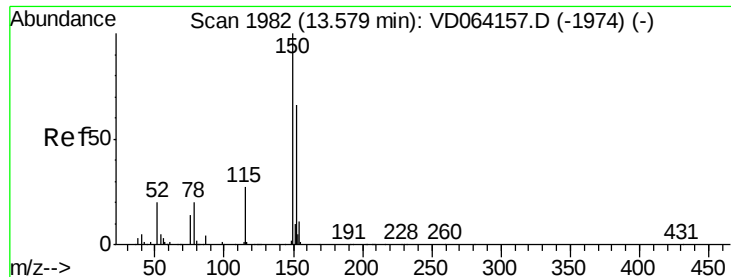
Tgt Ion: 106 Resp: 243316

Ion Ratio Lower Upper

106 100

91 199.6 160.3 240.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064319.D

Acq: 20 Nov 2019 18:09

Instrument :

MSVOA_D

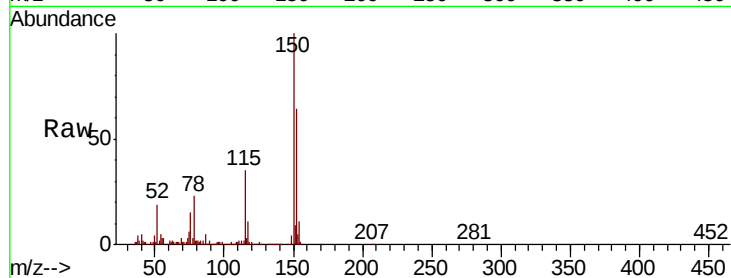
ClientSampleId :

MW-3-(12.5-14.5)

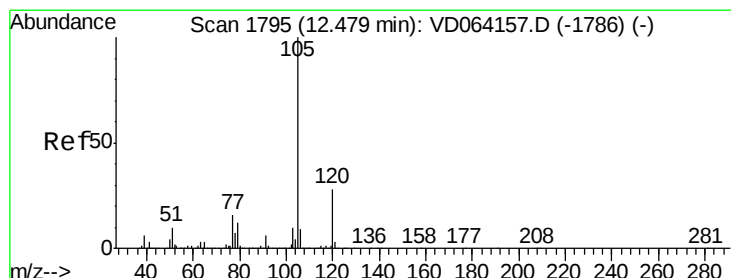
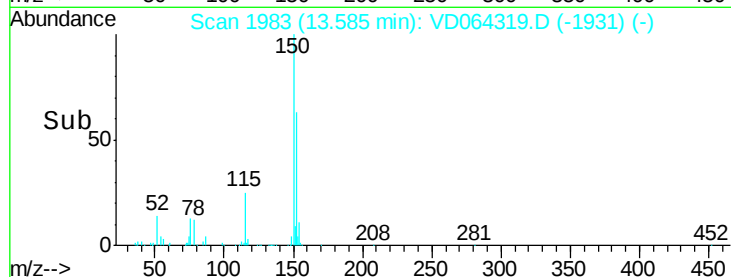
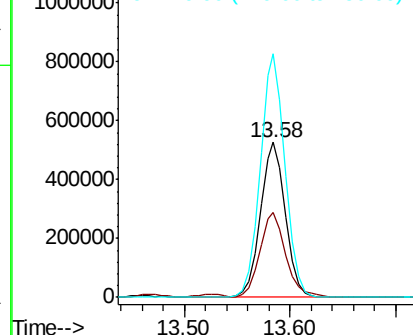
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.4	82.2
150	155.0	0.0	351.6

Manual Integrations
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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



#73

Isopropylbenzene

Concen: 5.880 ug/l

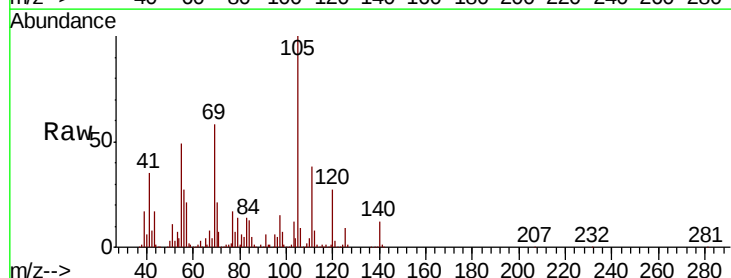
RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

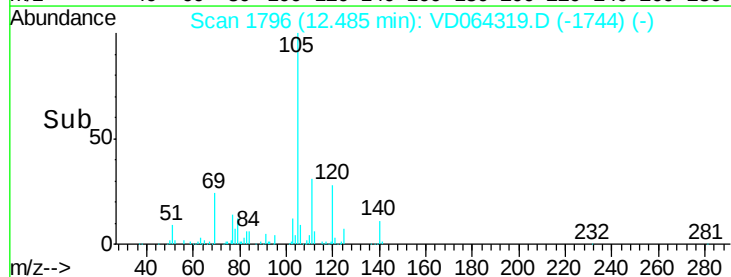
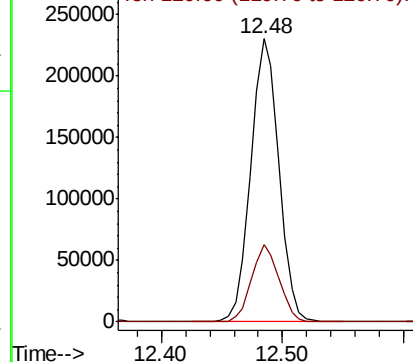
Lab File: VD064319.D

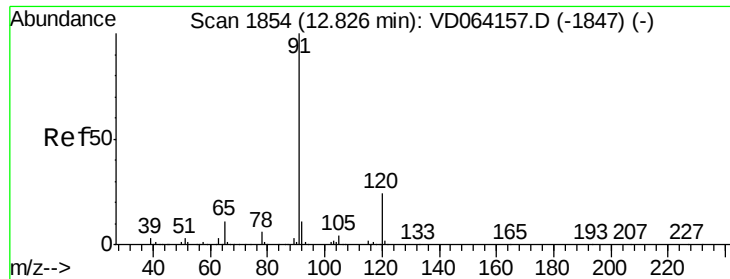
Acq: 20 Nov 2019 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 11.564 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064319.D

Acq: 20 Nov 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

MW-3-(12.5-14.5)

Tot Ion: 91 Resp: 839224

Ion Ratio Lower Upper

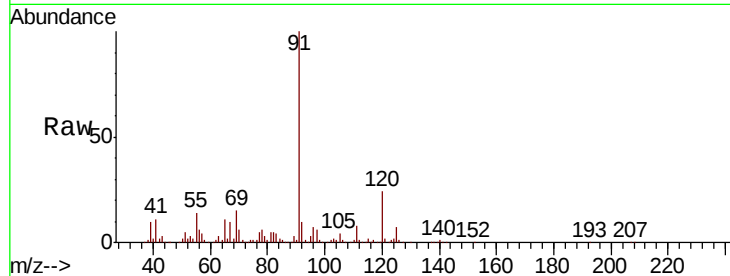
91 100

120 24.1 11.8 35.4

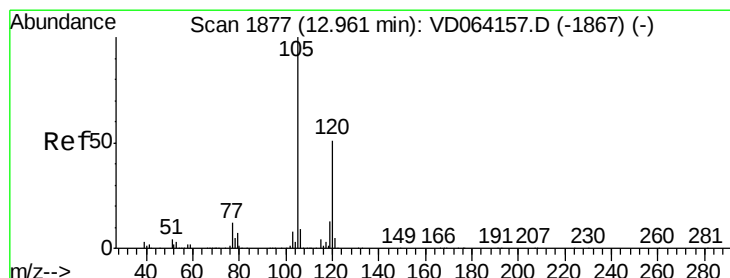
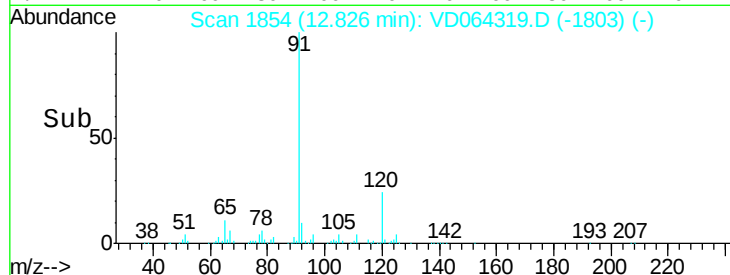
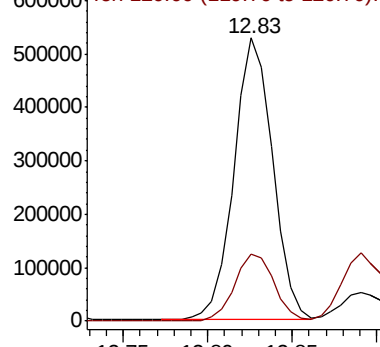
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 17.518 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064319.D

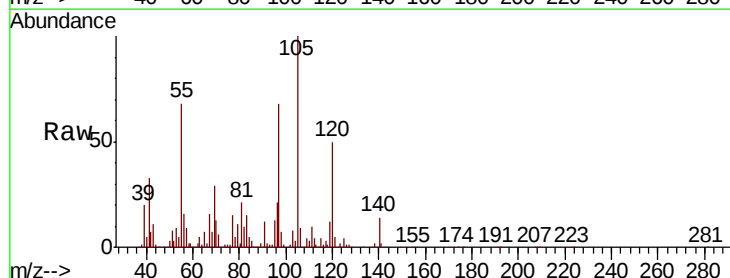
Acq: 20 Nov 2019 18:09

Tgt Ion: 105 Resp: 914359

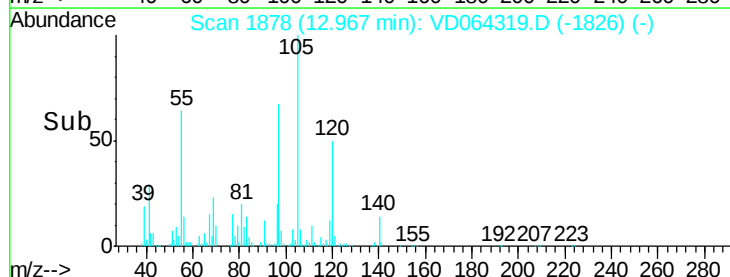
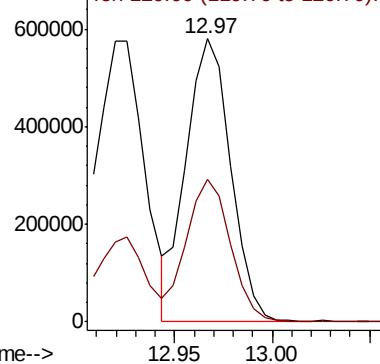
Ion Ratio Lower Upper

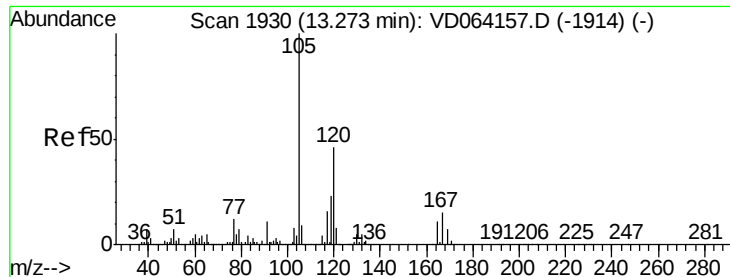
105 100

120 49.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





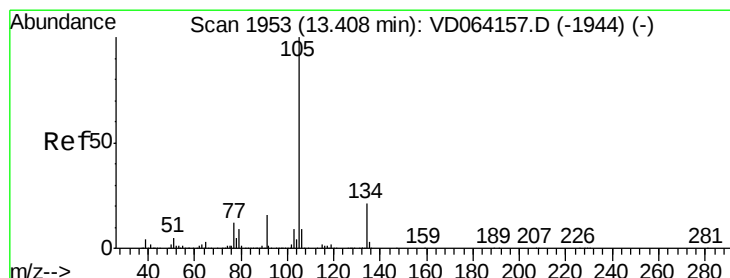
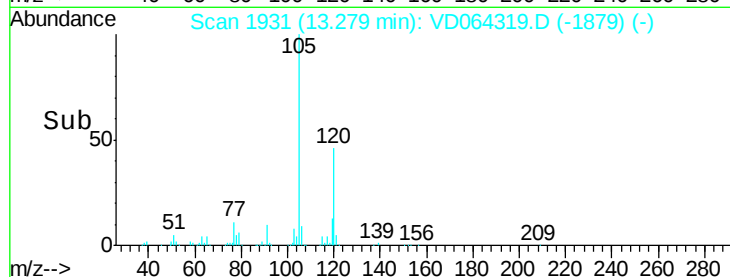
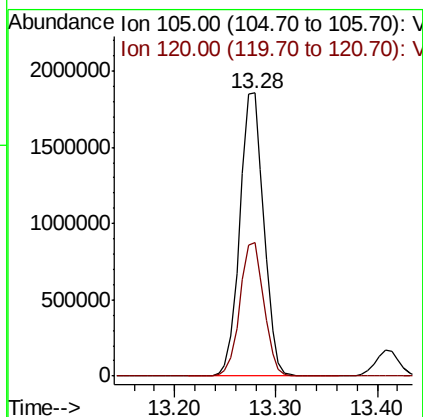
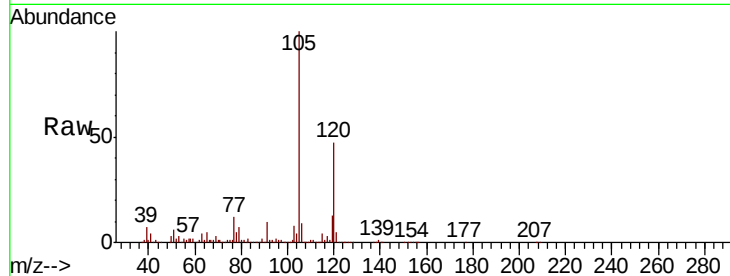
#84
1,2,4-Trimethylbenzene
Concen: 58.818 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
MW-3-(12.5-14.5)

Tot Ion:105 Resp: 3030964
Ion Ratio Lower Upper
105 100
120 47.4 23.3 69.8

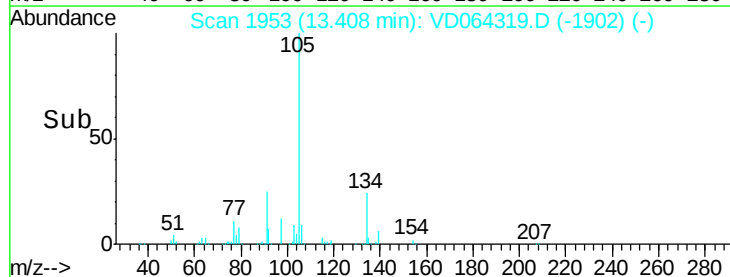
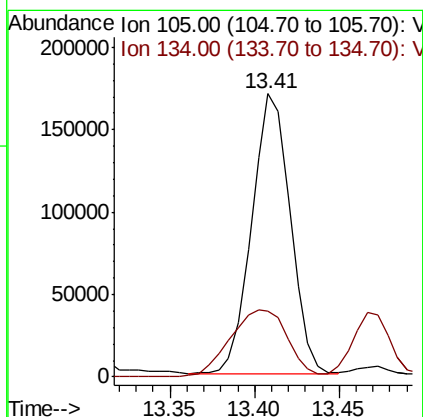
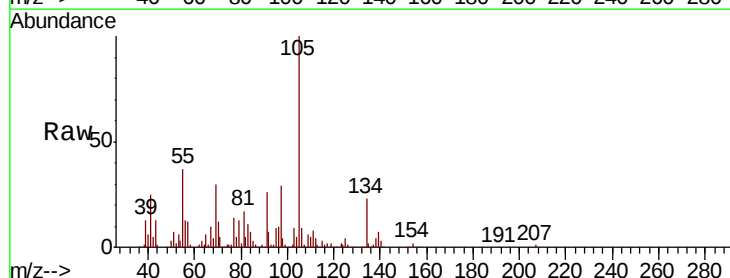
Manual Integrations
APPROVED

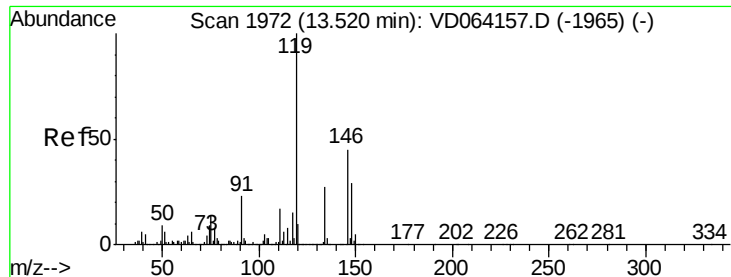
MMDadoda
11/22/2019 12:52:22 AM



#85
sec-Butylbenzene
Concen: 4.358 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VD064319.D
Acq: 20 Nov 2019 18:09

Tgt Ion:105 Resp: 269391
Ion Ratio Lower Upper
105 100
134 35.3 10.7 31.9#





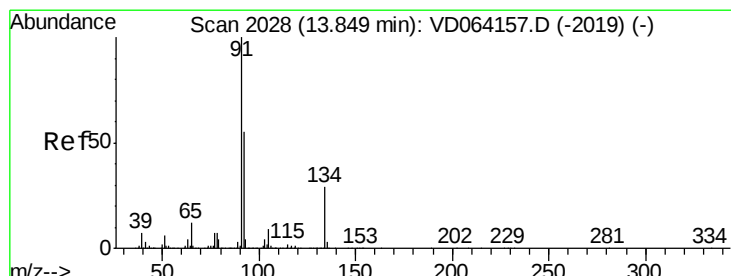
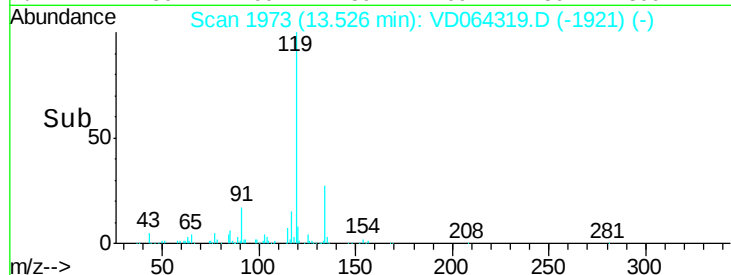
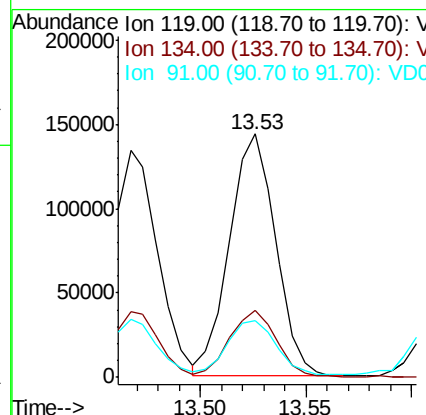
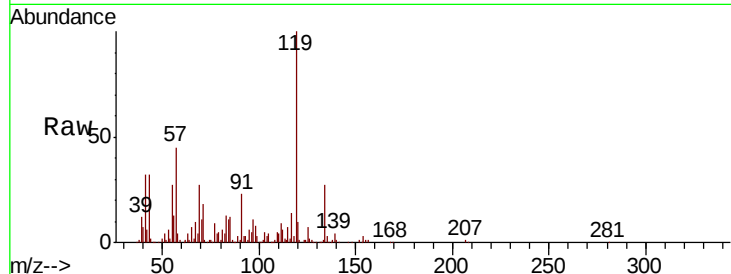
#86
 p-Isopropyltoluene
 Concen: 3.704 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064319.D
 Acq: 20 Nov 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-3-(12.5-14.5)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217688		
134	27.5		13.5	40.5
91	23.3		11.5	34.4

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:22 AM



#89
 n-Butylbenzene
 Concen: 2.673 ug/l m
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VD064319.D
 Acq: 20 Nov 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	141920		
92	56.5		27.3	81.8
134	0.0		14.1	42.4#

