

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067604.D
 Acq On : 11 Nov 2020 16:03
 Operator : VA/SY
 Sample : L4587-01
 Misc : 6.5G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-111120

Manual Integrations
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 11/12/2020 1:11:54 PM

Quant Time: Nov 12 07:36:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	346157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	590952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	161175	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
35) Dibromofluoromethane	7.92	113	177495	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.34	98	697255	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
62) 4-Bromofluorobenzene	12.64	95	286030	69.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.28%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.36	83	29864	5.238	ug/l	98
67) Ethyl Benzene	11.75	91	97171	4.988	ug/l	96
68) m/p-Xylenes	11.86	106	120290	15.873	ug/l	98
69) o-Xylene	12.18	106	476523	70.429	ug/l	99
73) Isopropylbenzene	12.48	105	141243	8.344	ug/l	100
78) n-propylbenzene	12.83	91	269758	13.933	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1705008	117.917	ug/l	98
83) tert-Butylbenzene	13.23	119	31223m	2.548	ug/l	
84) 1,2,4-Trimethylbenzene	13.27	105	1257129	87.342	ug/l	98
85) sec-Butylbenzene	13.41	105	407464	24.631	ug/l	85
86) p-Isopropyltoluene	13.52	119	630539	39.470	ug/l	100
89) n-Butylbenzene	13.85	91	354124m	25.664	ug/l	

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

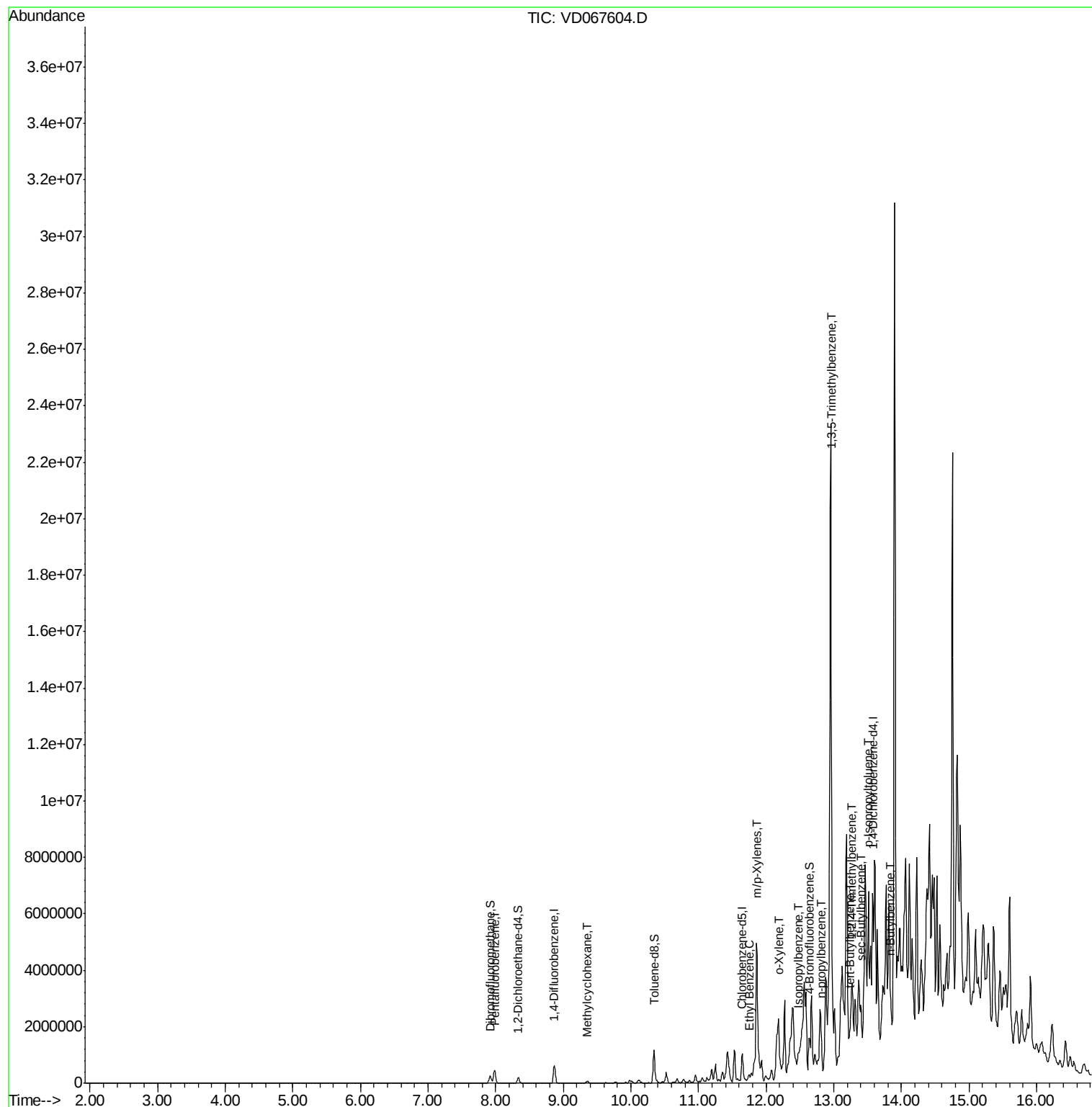
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067604.D
Acq On : 11 Nov 2020 16:03
Operator : VA/SY
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Misc : 6.5G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

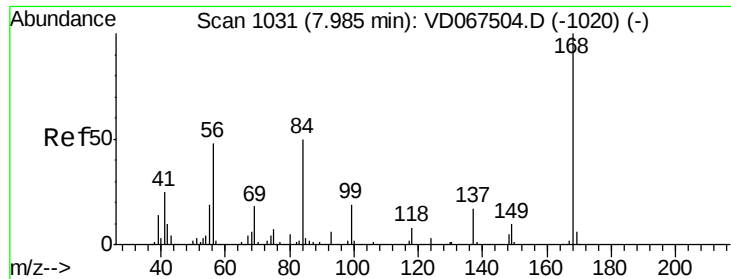
Instrument :
MSVOA_D
ClientSampleId :
HR-02-111120

Quant Time: Nov 12 07:36:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067604.D

Acq: 11 Nov 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

HR-02-111120

Tot Ion:168 Resp: 346157

Ion Ratio Lower Upper

168 100

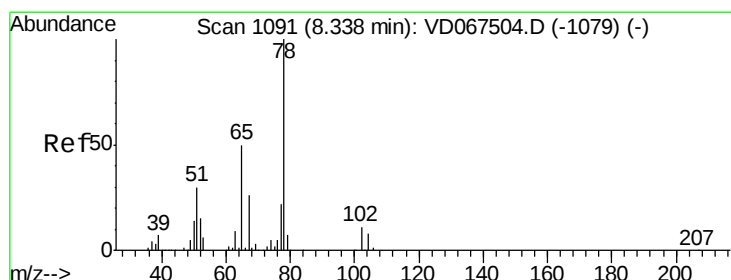
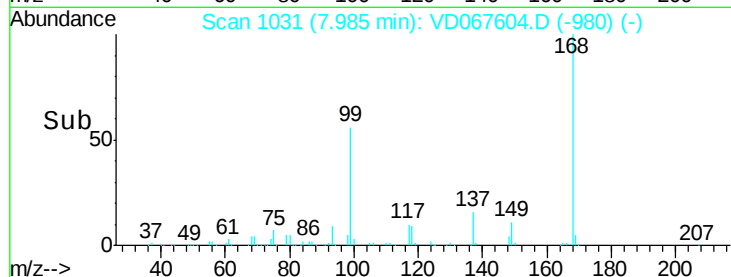
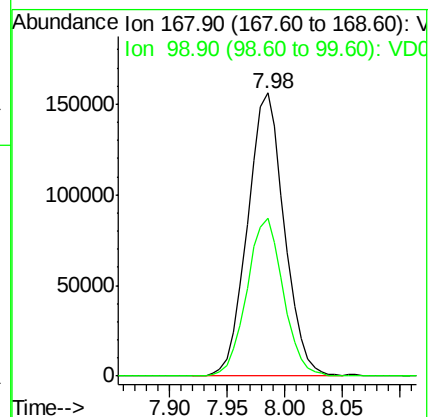
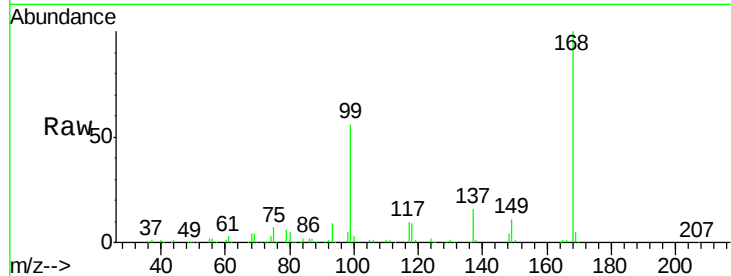
99 55.9 45.0 67.6

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 53.250 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067604.D

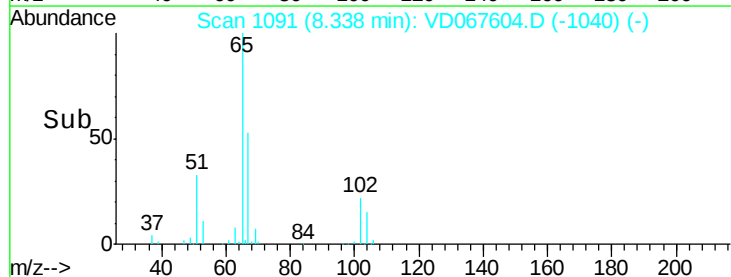
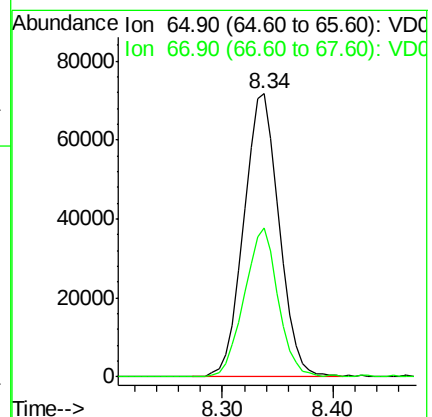
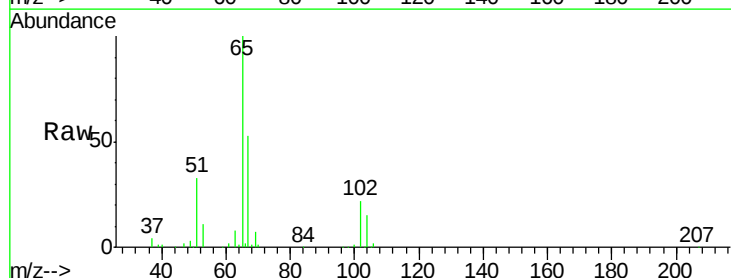
Acq: 11 Nov 2020 16:03

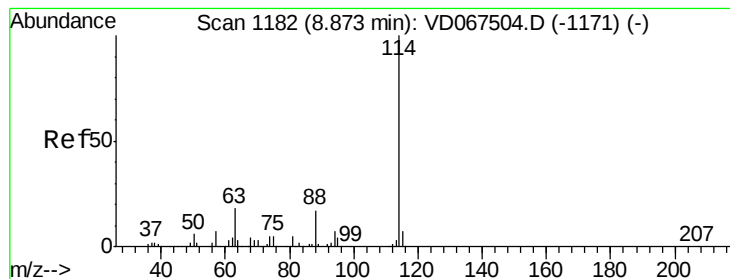
Tgt Ion: 65 Resp: 161175

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067604.D

Acq: 11 Nov 2020 16:03

Instrument :

MSVOA_D

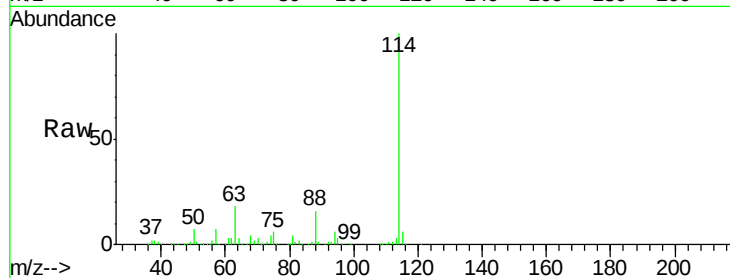
ClientSampleId :

HR-02-111120

Tot Ion:	114	Resp:	565914
Ion Ratio		Lower	Upper
114	100		
63	17.9	0.0	35.0
88	15.6	0.0	33.0

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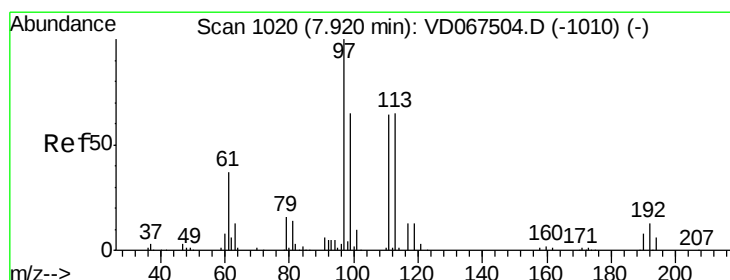
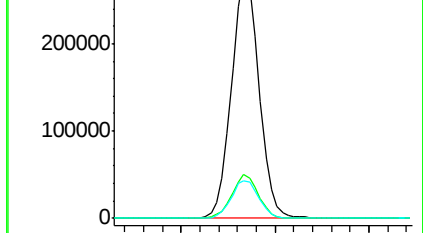
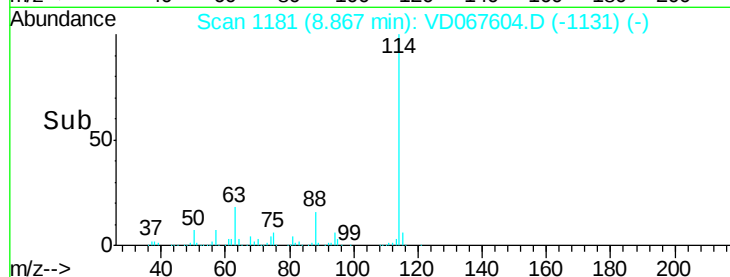


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

Time-->



#35

Dibromofluoromethane

Concen: 52.057 ug/l

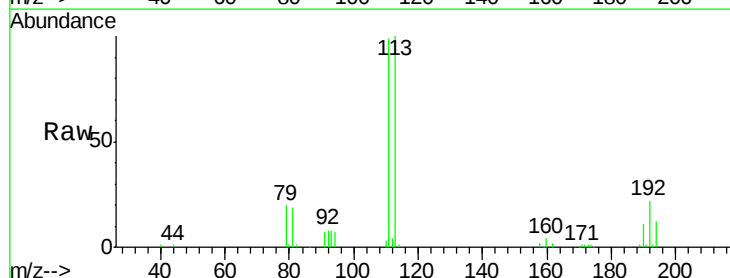
RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067604.D

Acq: 11 Nov 2020 16:03

Tgt Ion:	113	Resp:	177495
Ion Ratio		Lower	Upper
113	100		
111	102.0	80.0	120.0
192	22.2	16.3	24.5

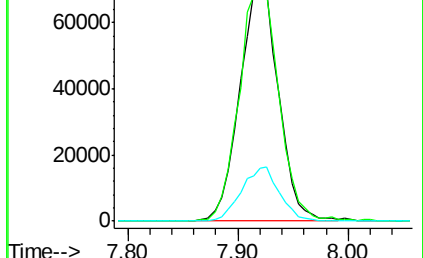
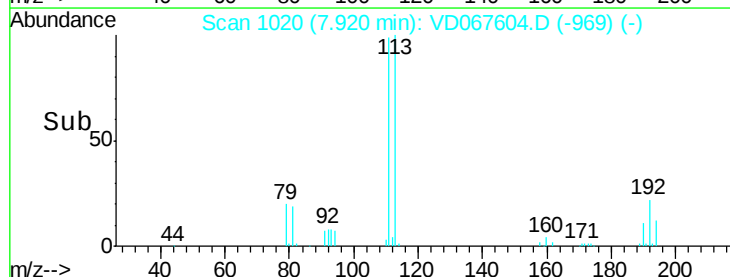


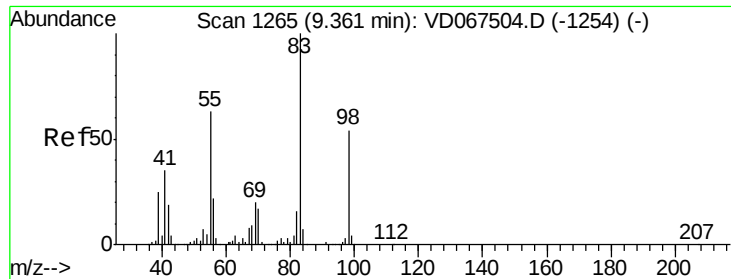
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->





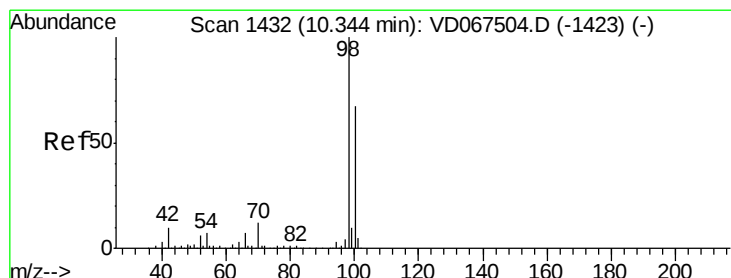
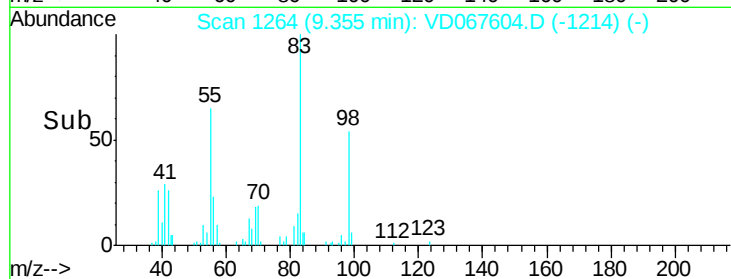
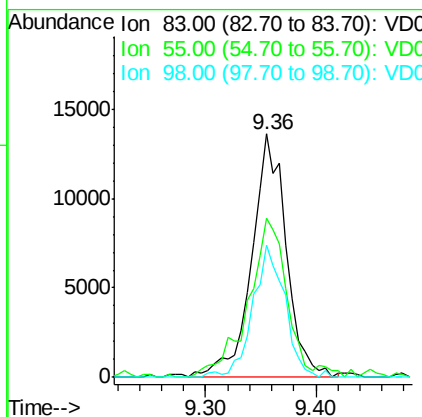
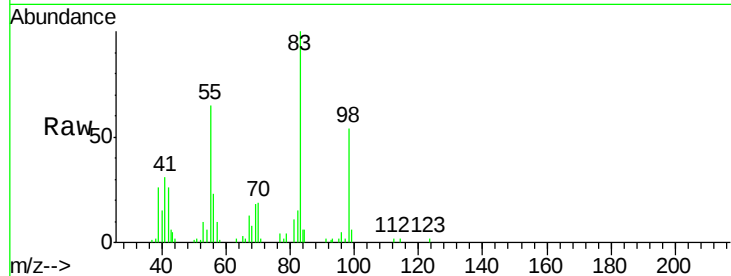
#39
Methvlcvclohexane
Concen: 5.238 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
HR-02-111120

Tot Ion	83	Resp	29864
Ion Ratio	100	Lower	Upper
83	100		
55	65.4	50.5	75.7
98	54.4	43.4	65.0

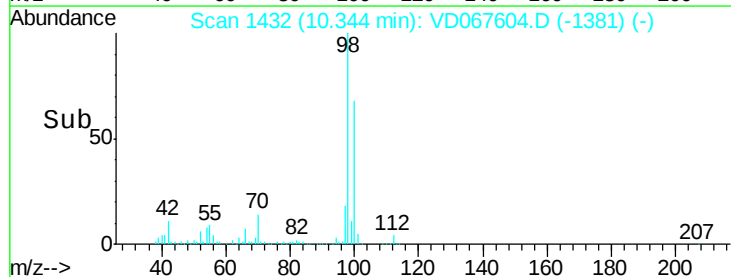
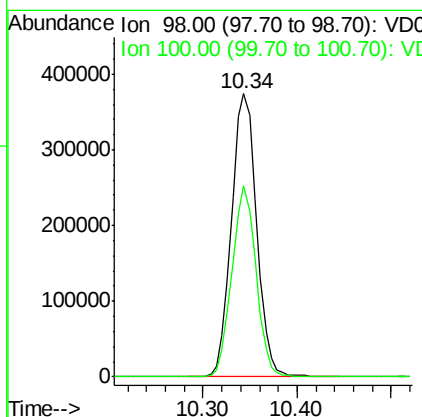
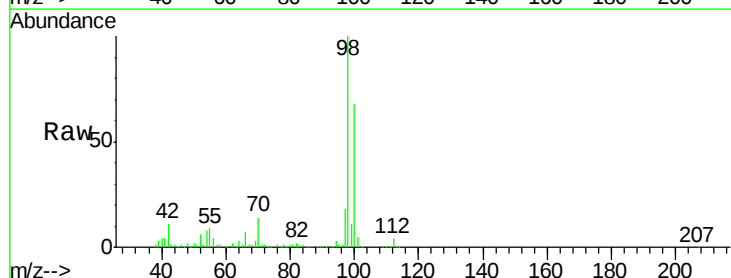
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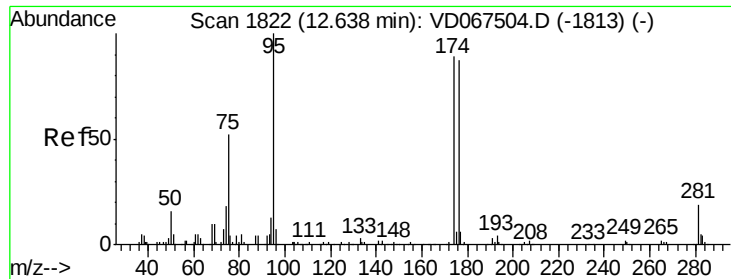
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#50
Toluene-d8
Concen: 58.191 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Tgt Ion	98	Resp	697255
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	53.0	79.6





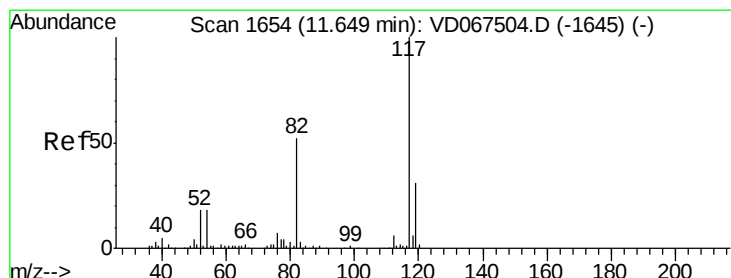
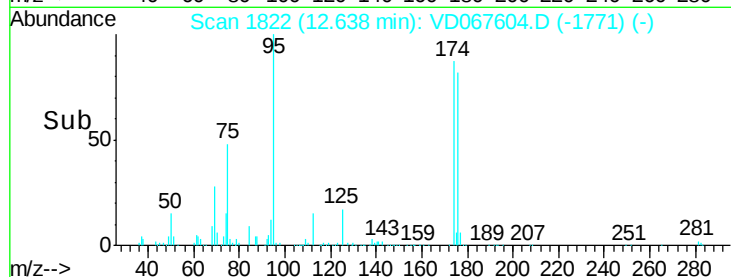
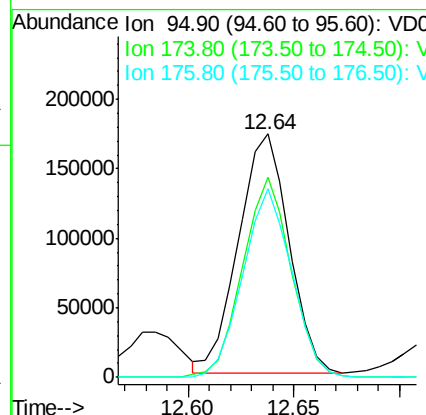
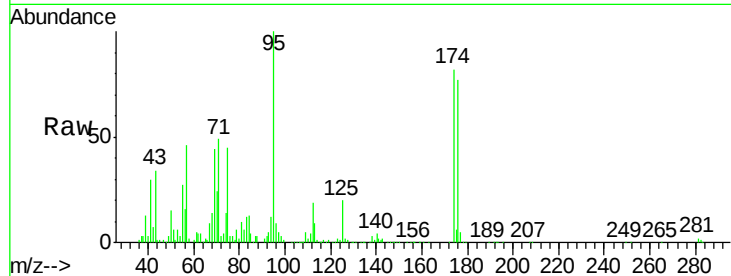
#62
4-Bromofluorobenzene
Concen: 69.143 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
HR-02-111120

Tot Ion	Ratio	Resp	Lower	Upper
95	100	286030		
174	79.8	0.0	177.8	
176	76.0	0.0	172.0	

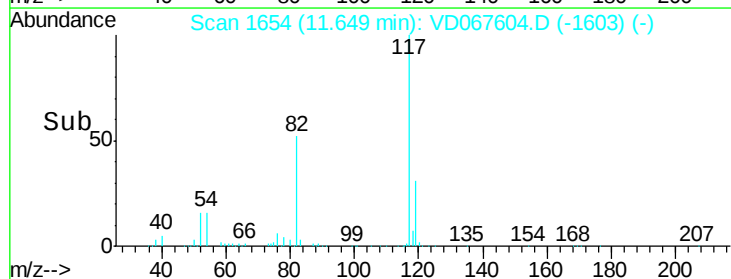
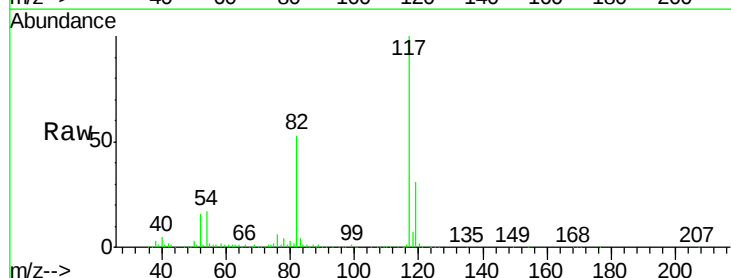
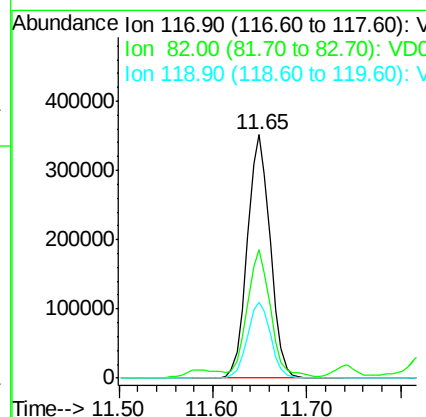
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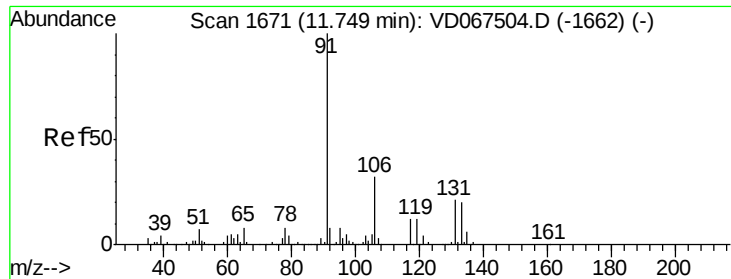
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	590952		
82	49.4	41.6	62.4	
119	31.2	25.1	37.7	





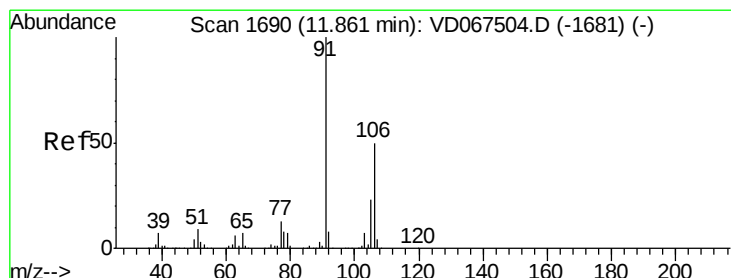
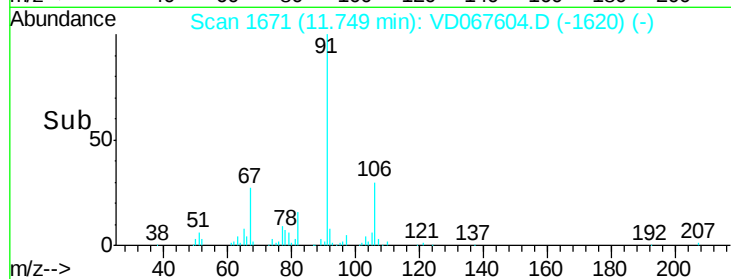
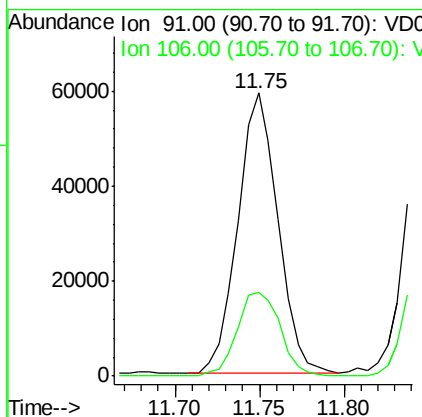
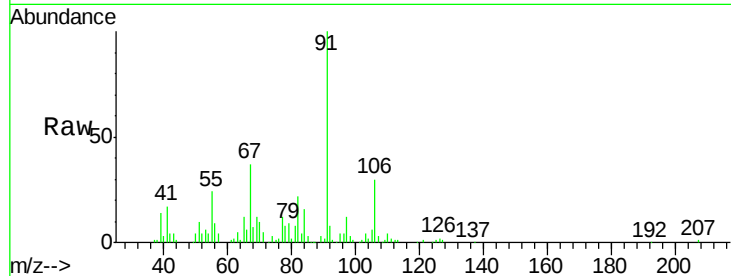
#67
Ethyl Benzene
Concen: 4.988 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
HR-02-111120

Tot Ion: 91 Resp: 97171
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5

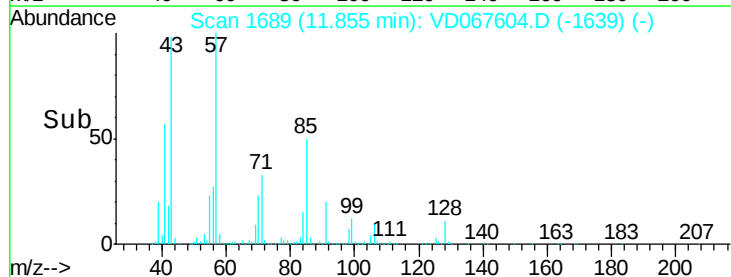
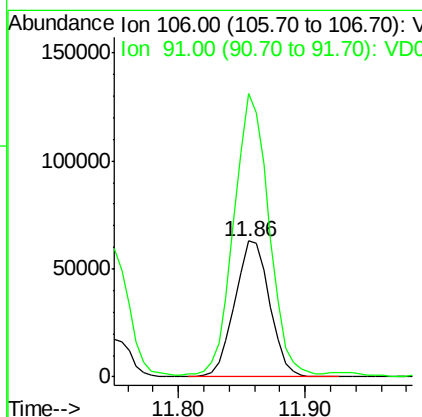
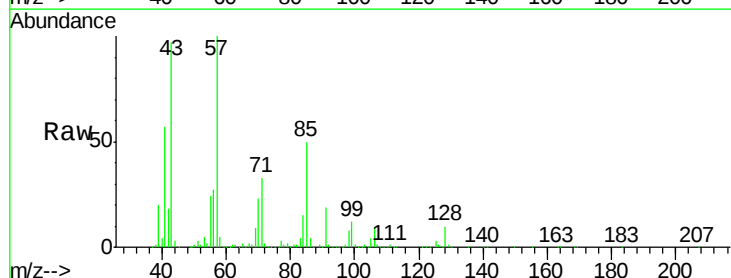
Manual Integrations
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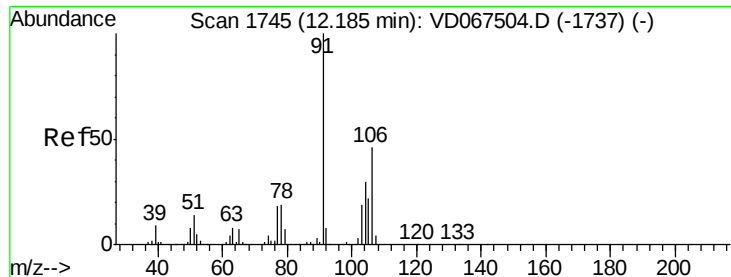
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#68
m/p-Xylenes
Concen: 15.873 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Tgt Ion: 106 Resp: 120290
Ion Ratio Lower Upper
106 100
91 206.9 162.6 244.0





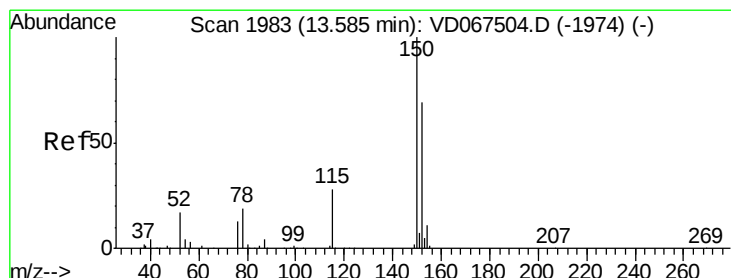
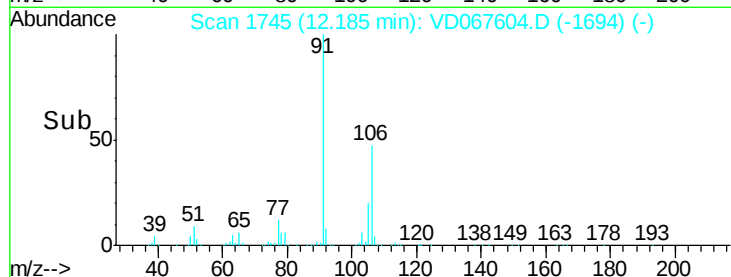
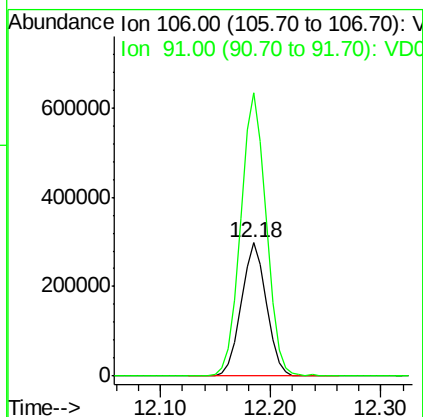
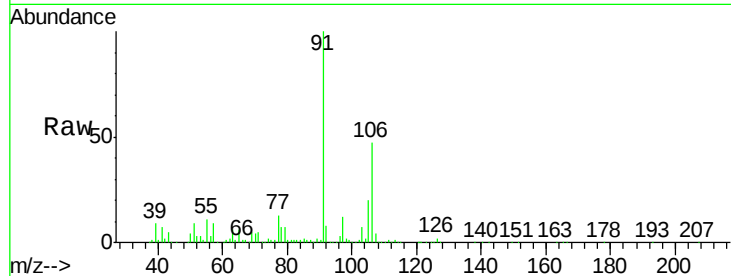
#69
o-Xylene
Concen: 70.429 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
HR-02-111120

Tot Ion:106 Resp: 476523
Ion Ratio Lower Upper
106 100
91 215.2 107.1 321.1

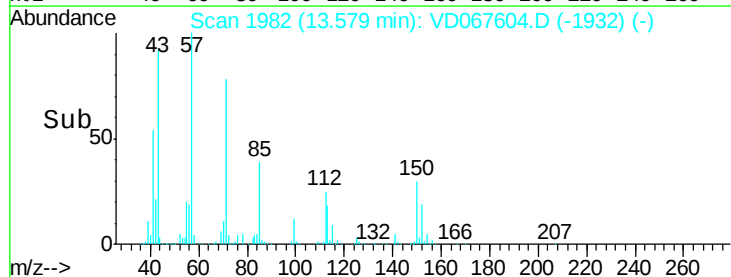
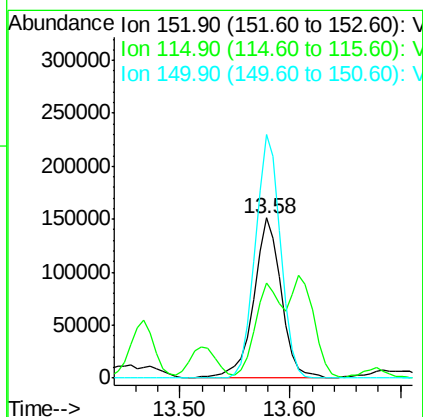
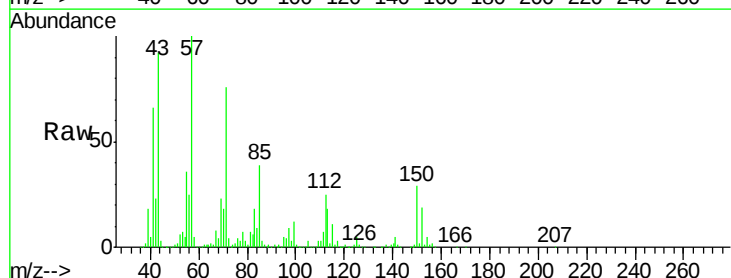
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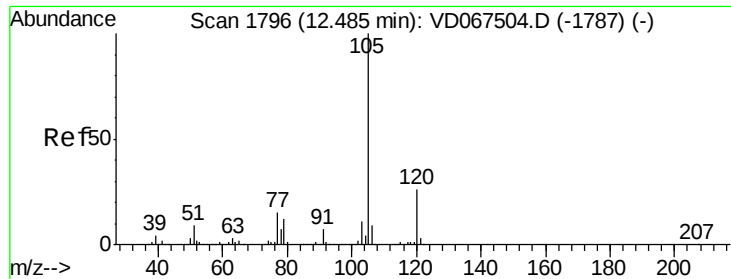
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Tgt Ion:152 Resp: 261906
Ion Ratio Lower Upper
152 100
115 57.4 29.3 88.0
150 140.5 0.0 338.2





#73

Isopropylbenzene

Concen: 8.344 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067604.D

Acq: 11 Nov 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

HR-02-111120

Tot Ion: 105 Resp: 141243

Ion Ratio Lower Upper

105 100

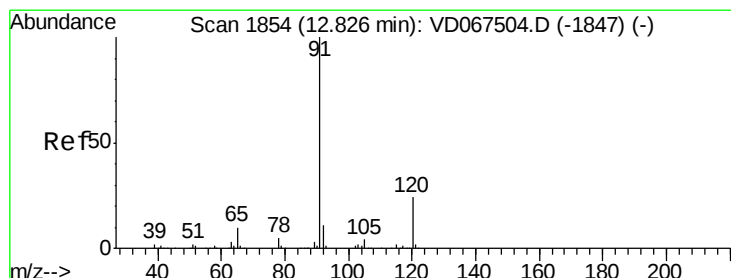
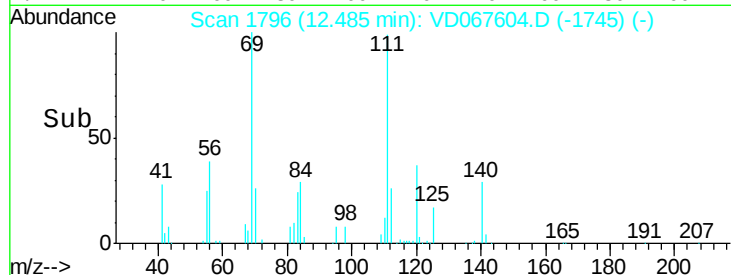
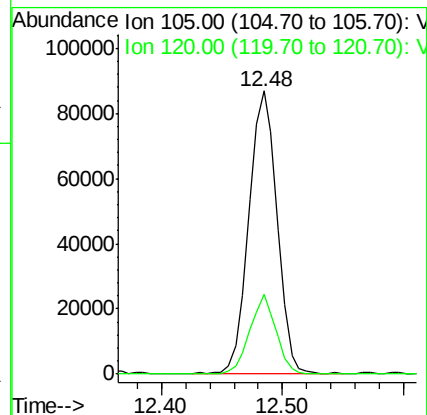
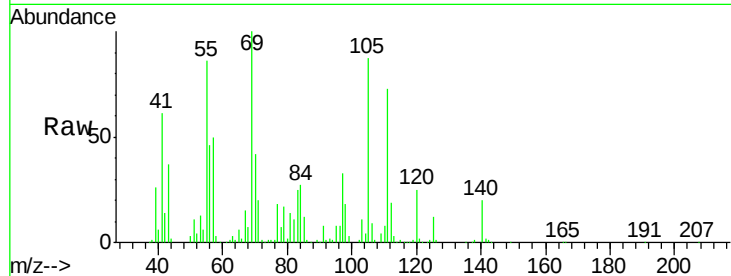
120 26.4 13.2 39.6

Manual Integrations

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#78

n-propylbenzene

Concen: 13.933 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067604.D

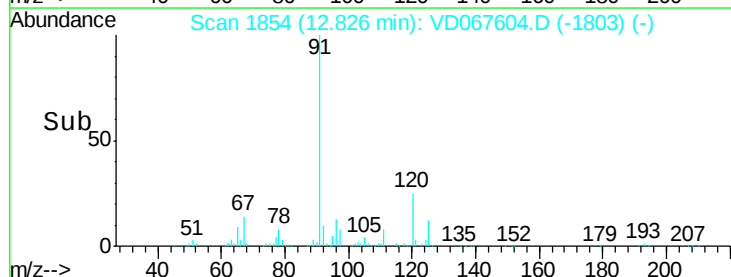
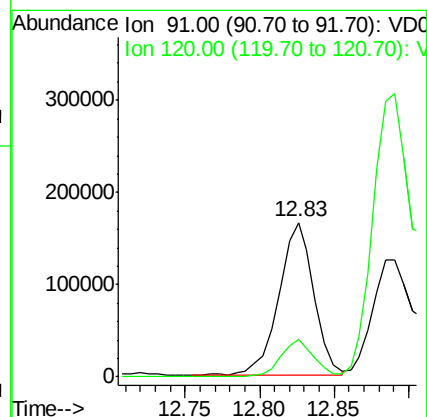
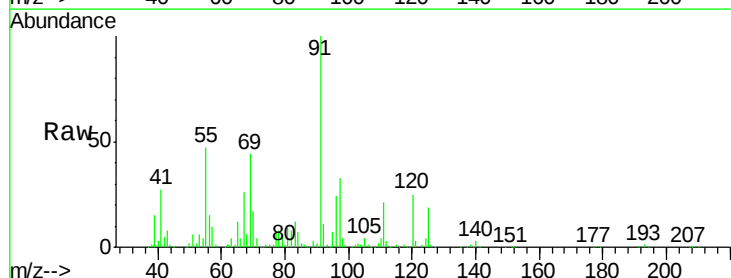
Acq: 11 Nov 2020 16:03

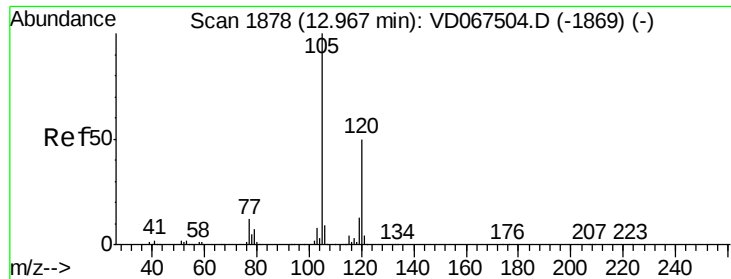
Tgt Ion: 91 Resp: 269758

Ion Ratio Lower Upper

91 100

120 23.5 12.2 36.4





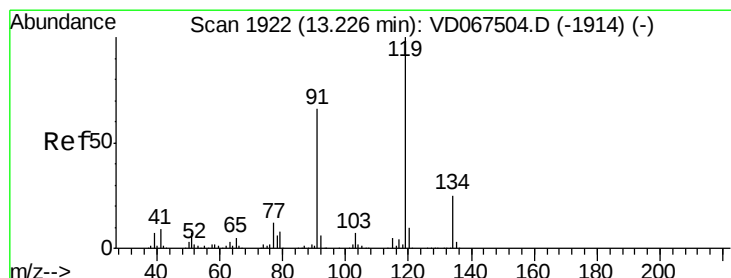
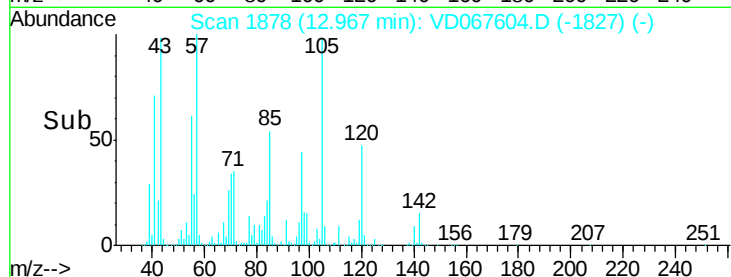
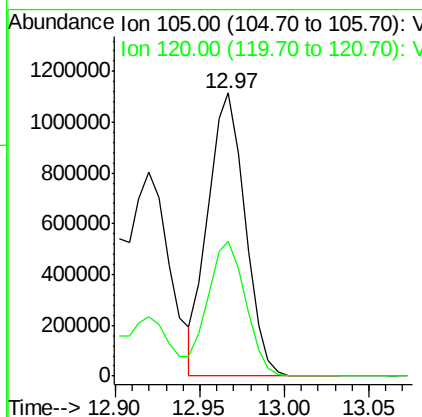
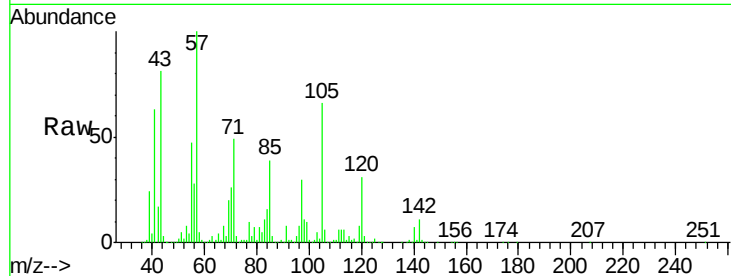
#80
 1,3,5-Trimethylbenzene
 Concen: 117.917 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067604.D
 Acq: 11 Nov 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-111120

Tot Ion:105 Resp: 1705008
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.3 72.8

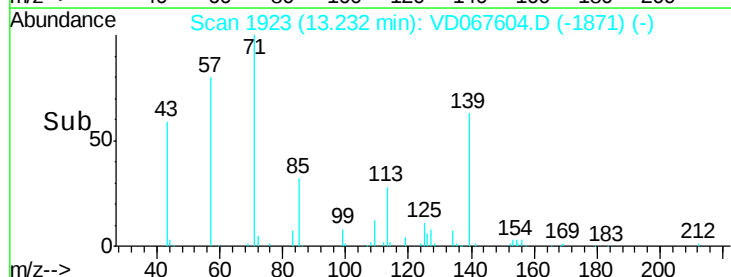
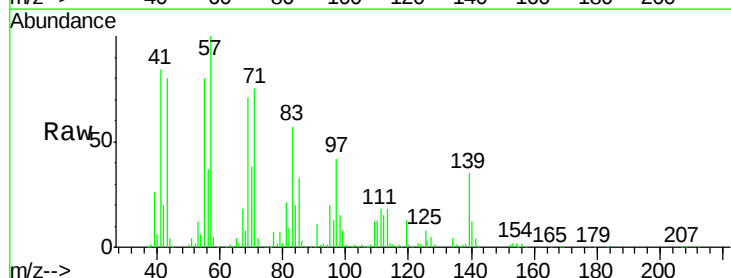
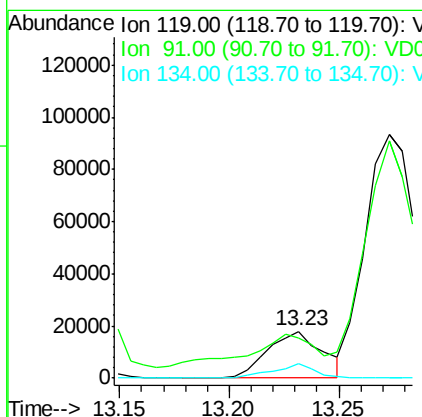
Manual Integrations
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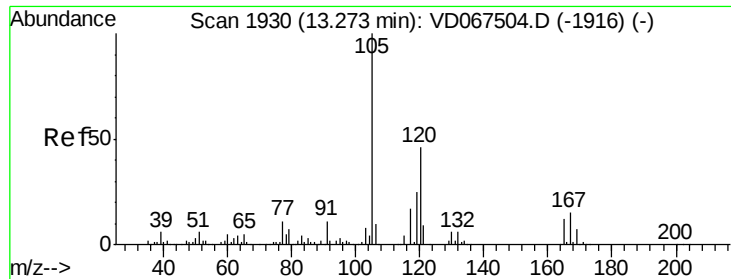
MMDadoda
 11/12/2020 1:11:54 PM



#83
 tert-Butylbenzene
 Concen: 2.548 ug/l m
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067604.D
 Acq: 11 Nov 2020 16:03

Tgt Ion:119 Resp: 31223
 Ion Ratio Lower Upper
 119 100
 91 421.9 32.7 98.1#
 134 0.0 13.4 40.2#





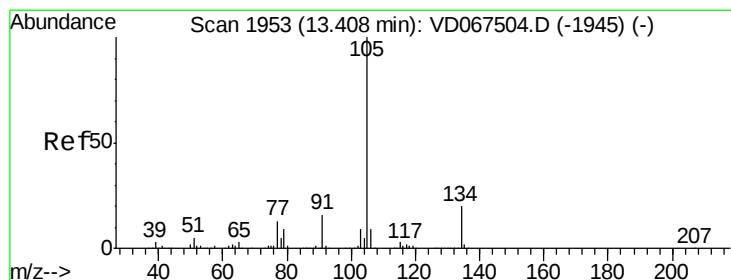
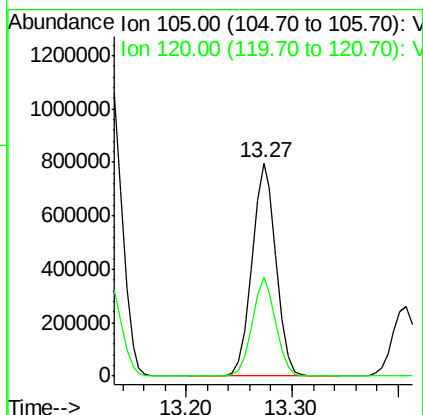
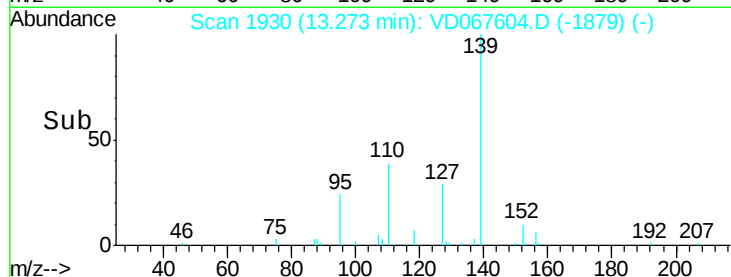
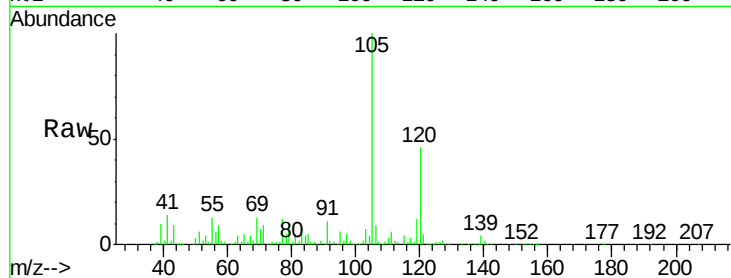
#84
1,2,4-Trimethylbenzene
Concen: 87.342 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Instrument :
MSVOA_D
ClientSampled :
HR-02-111120

Tot Ion:105 Resp: 1257129
Ion Ratio Lower Upper
105 100
120 45.6 22.1 66.1

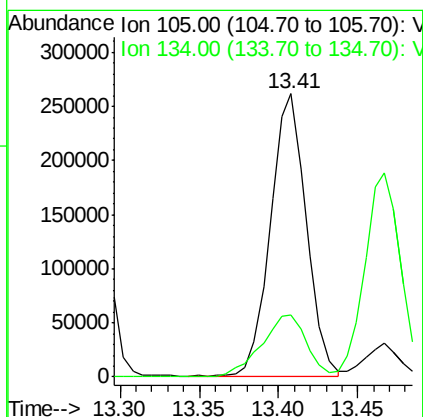
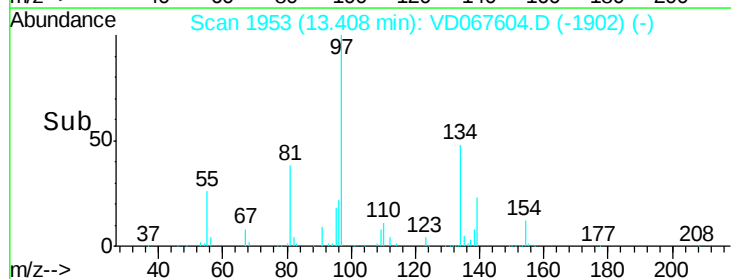
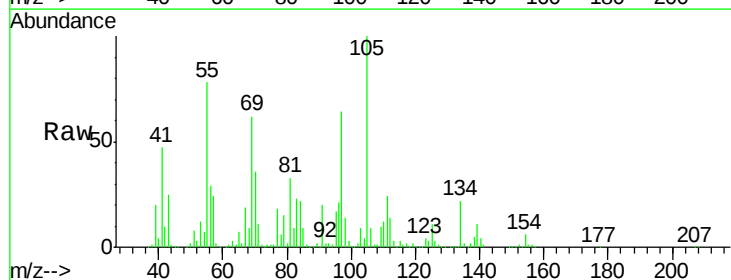
Manual Integrations
APPROVED

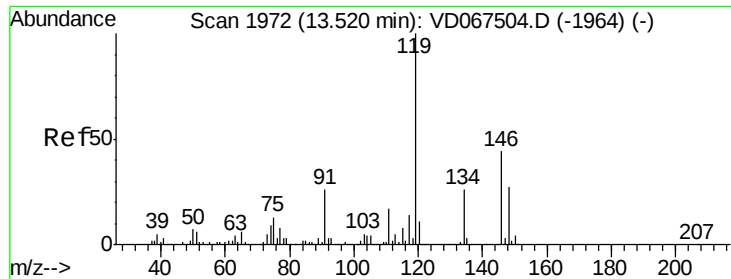
MMDadoda
11/12/2020 1:11:54 PM



#85
sec-Butylbenzene
Concen: 24.631 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VD067604.D
Acq: 11 Nov 2020 16:03

Tgt Ion:105 Resp: 407464
Ion Ratio Lower Upper
105 100
134 27.9 10.4 31.4





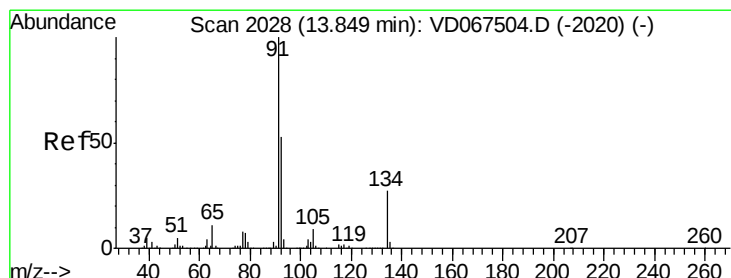
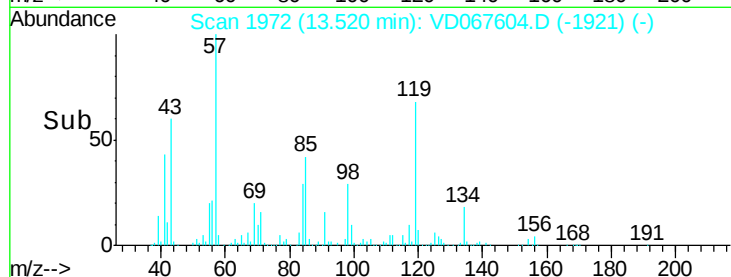
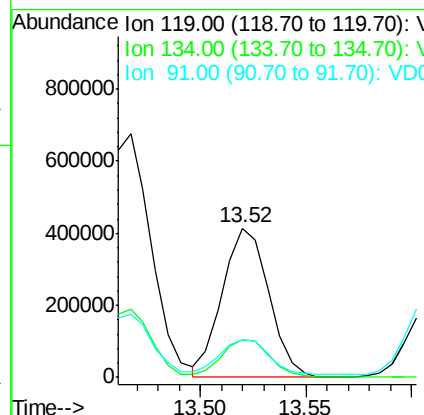
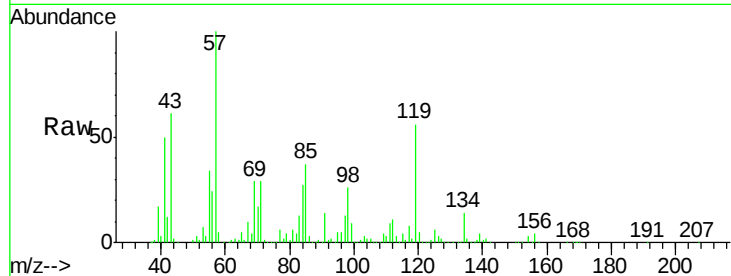
#86
 p-Isopropyltoluene
 Concen: 39.470 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067604.D
 Acq: 11 Nov 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-111120

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.4	12.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:11:54 PM



#89
 n-Butylbenzene
 Concen: 25.664 ug/l m
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VD067604.D
 Acq: 11 Nov 2020 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.6	79.8#
134	327.9	14.1	42.2#

