

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065180.D
 Acq On : 13 Feb 2020 16:45
 Operator : VA/SY
 Sample : L1518-01RE
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONESRE

Manual Integrations
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MMDadoda
 2/14/2020 4:17:56 PM

Quant Time: Feb 14 07:42:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	392855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	705407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	58168	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	196905	58.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.94%	
35) Dibromofluoromethane	7.92	113	217163	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.34	98	658272	42.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.04%	
62) 4-Bromofluorobenzene	12.64	95	135029	27.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.40%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	8254	9.888	ug/l	97
39) Methylcyclohexane	9.36	83	12010	1.483	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	38200	15.140	ug/l	99
52) Toluene	10.41	92	71649	6.198	ug/l	96
67) Ethyl Benzene	11.75	91	28852	1.779	ug/l	97
68) m/p-Xylenes	11.86	106	39525	6.387	ug/l	94
69) o-Xylene	12.19	106	17177	3.082	ug/l	96
70) Styrene	12.20	104	12672	1.308	ug/l #	84
73) Isopropylbenzene	12.48	105	5930	1.485	ug/l	99
78) n-propylbenzene	12.83	91	17846	3.817	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	31811	9.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	122887	37.897	ug/l	100
85) sec-Butylbenzene	13.41	105	15410	4.004	ug/l	94
86) p-Isopropyltoluene	13.53	119	4908m	1.373	ug/l	
89) n-Butylbenzene	13.86	91	14298	4.332	ug/l #	64
95) Naphthalene	15.41	128	9885	5.394	ug/l #	87

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

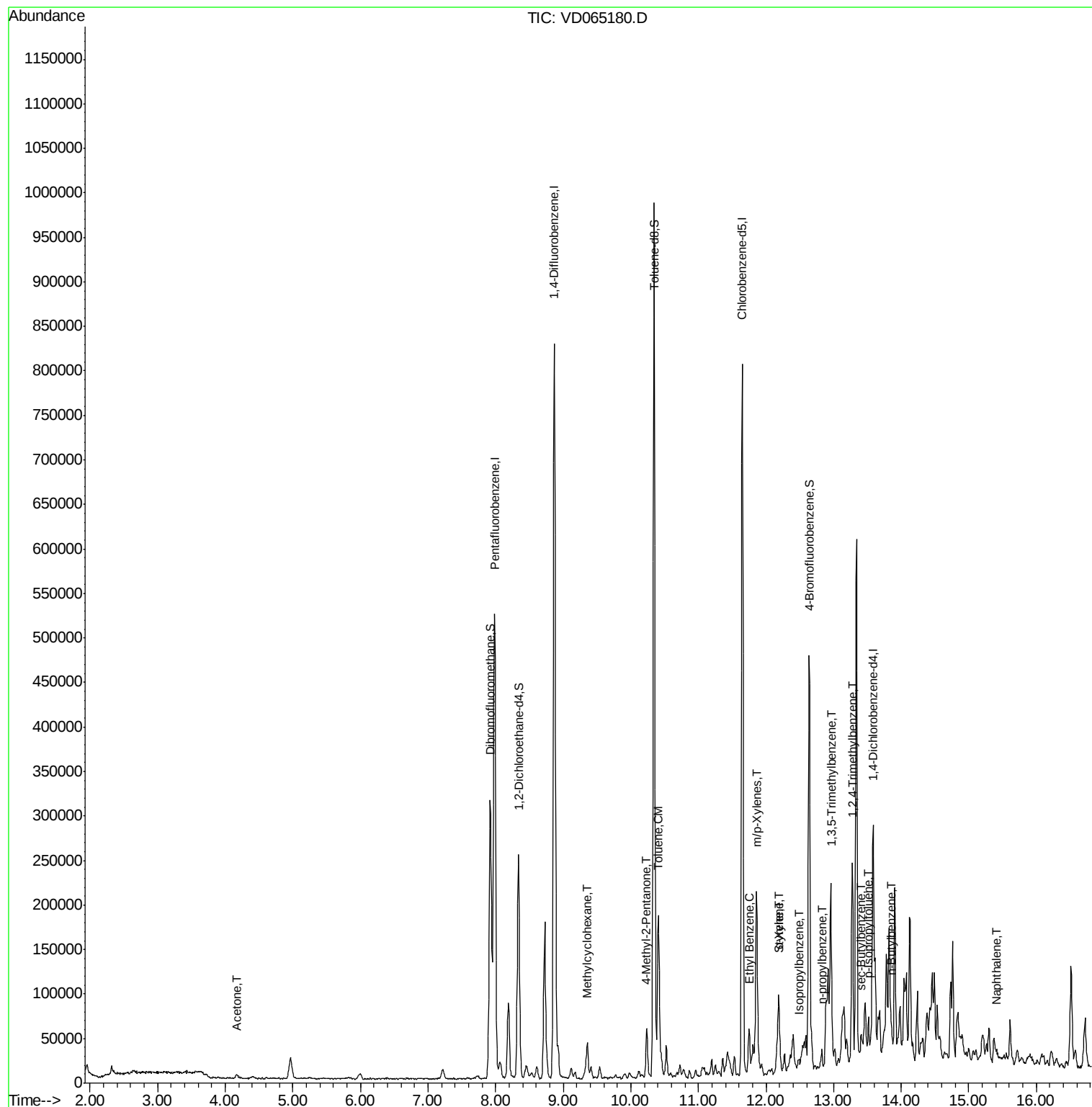
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021320\
Data File : VD065180.D
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Operator : VA/SY
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ALS Vial : 12 Sample Multiplier: 1

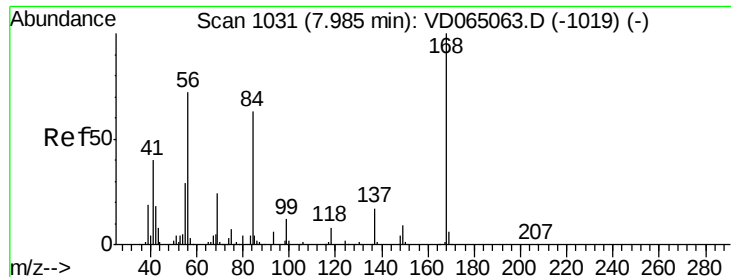
Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Manual Integrations
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2/14/2020 4:17:56 PM

Quant Time: Feb 14 07:42:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONESRE

Tot Ion:168 Resp: 392855

Ion Ratio Lower Upper

168 100

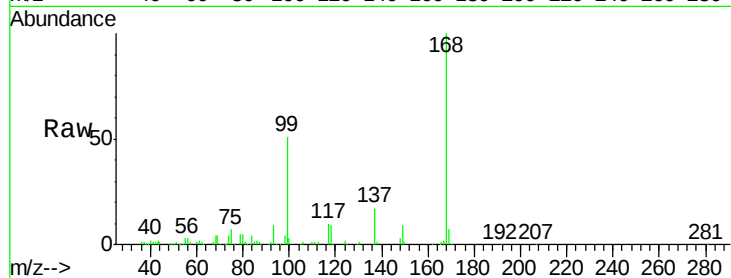
99 51.0 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

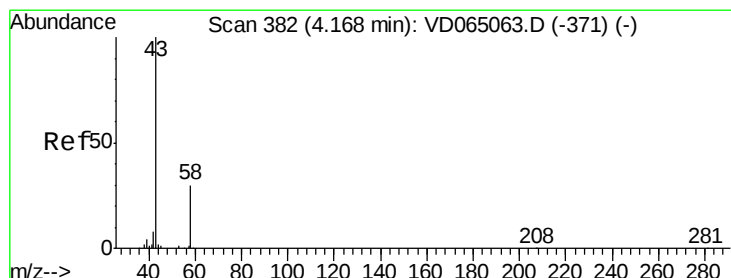
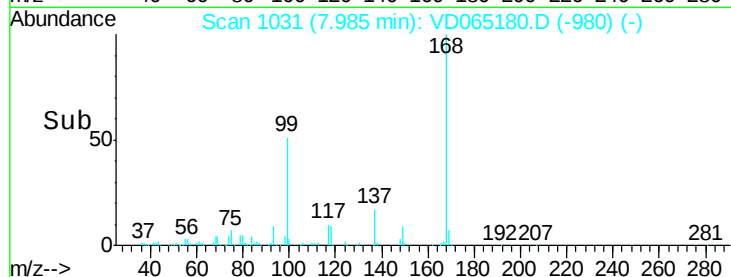
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.888 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065180.D

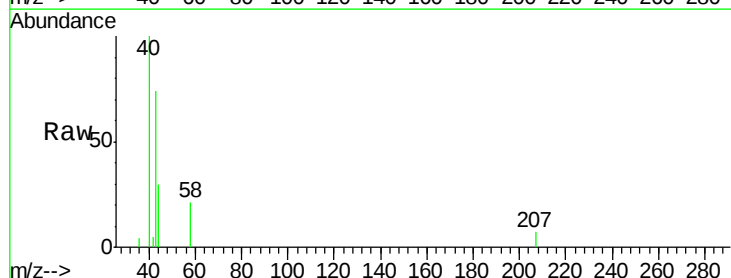
Acq: 13 Feb 2020 16:45

Tgt Ion: 43 Resp: 8254

Ion Ratio Lower Upper

43 100

58 28.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

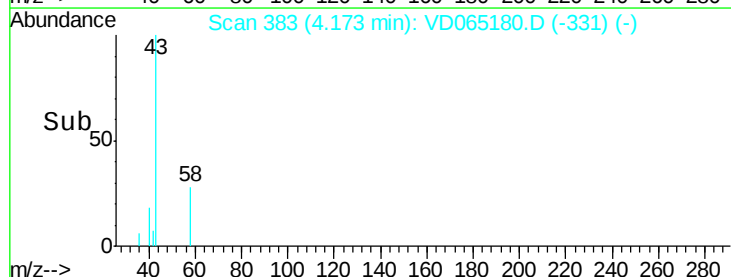
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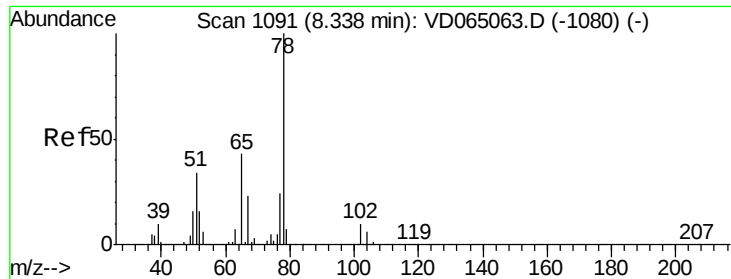
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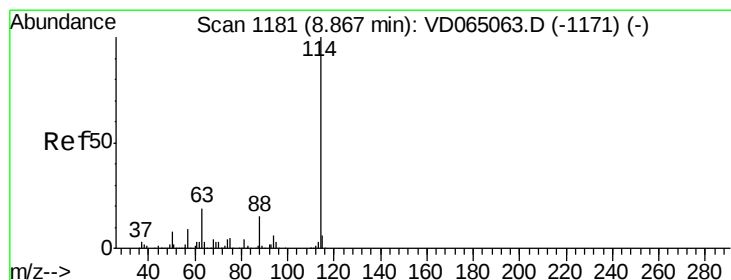
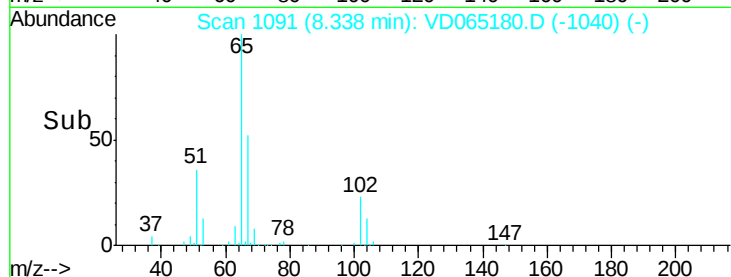
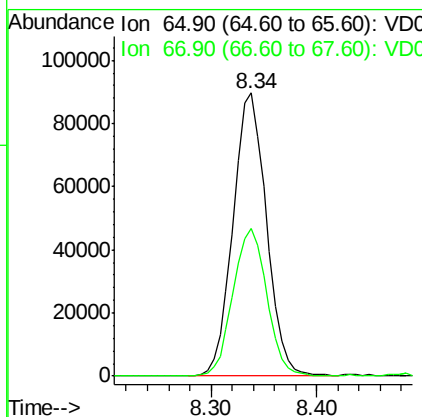
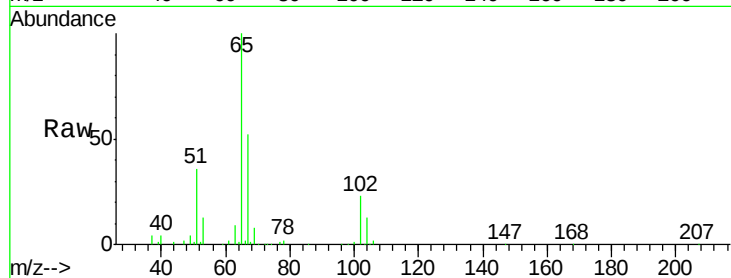
#33
 1,2-Dichloroethane-d4
 Concen: 58.972 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONESRE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196905		
67	52.9	0.0	105.8	

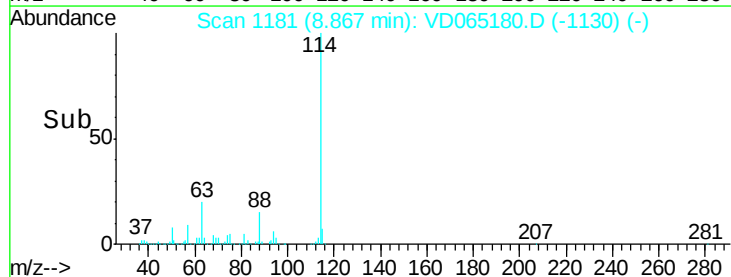
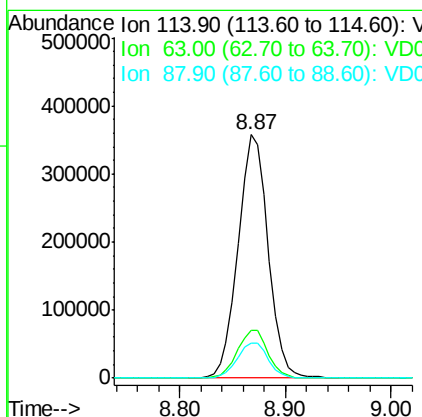
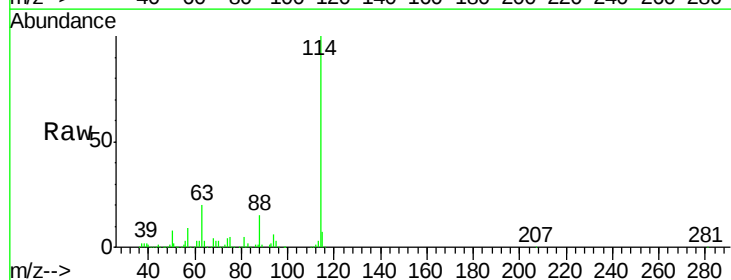
Manual Integrations
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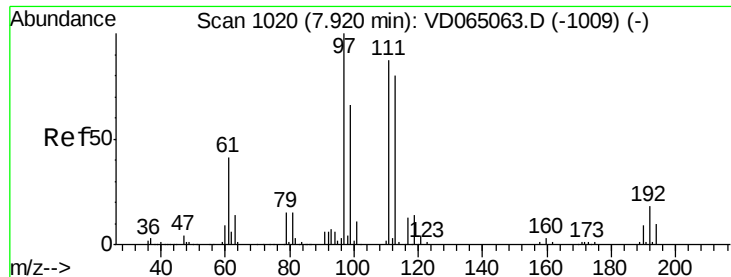
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	705407		
63	19.8	0.0	38.8	
88	14.6	0.0	29.6	





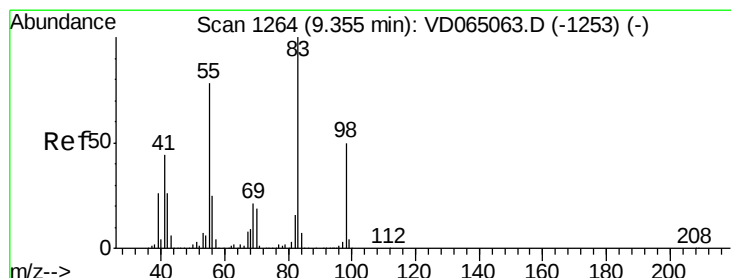
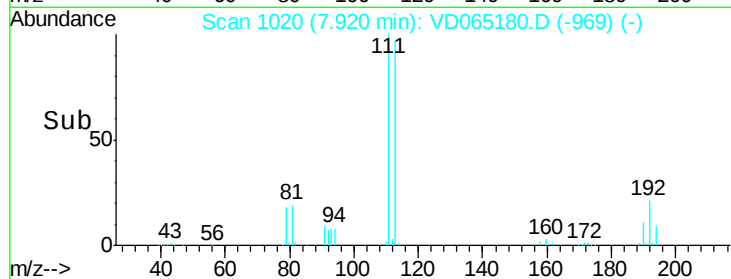
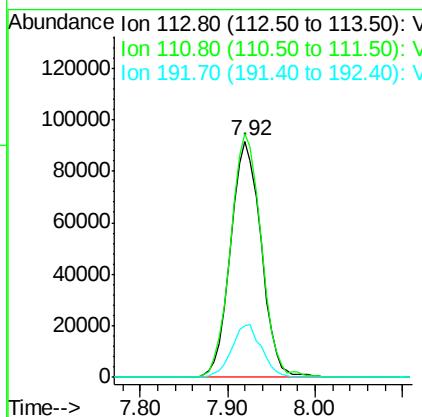
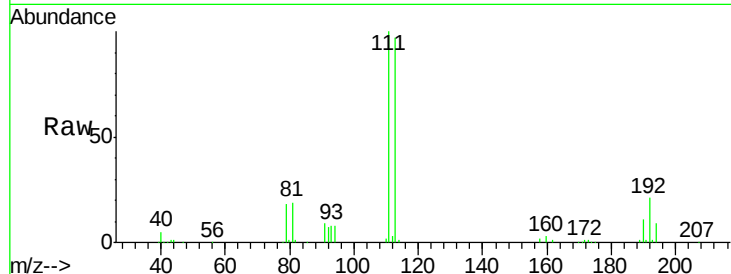
#35
 Dibromofluoromethane
 Concen: 55.177 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONESRE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217163		
111	103.6	83.1	124.7	
192	21.9	18.1	27.1	

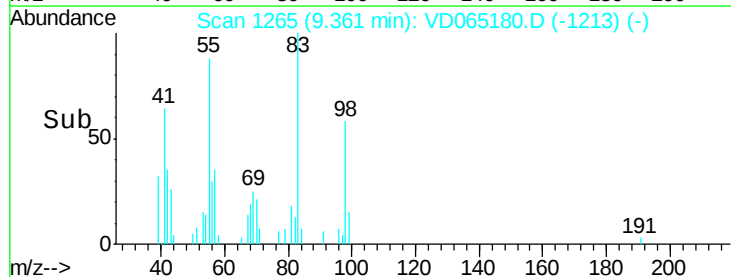
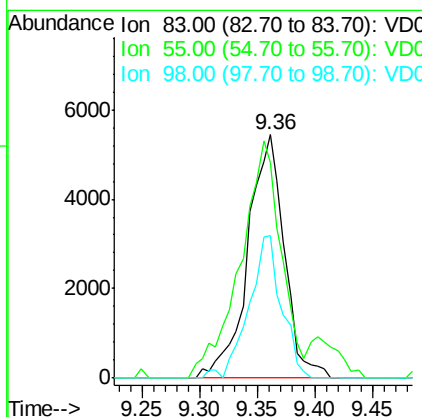
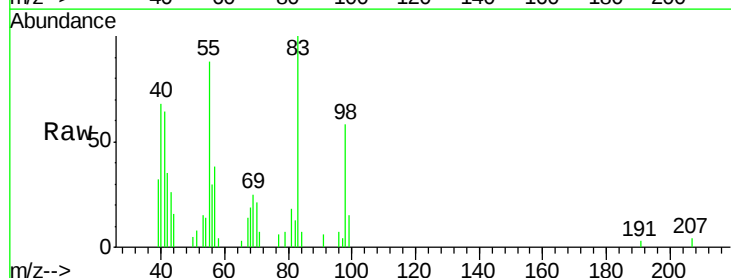
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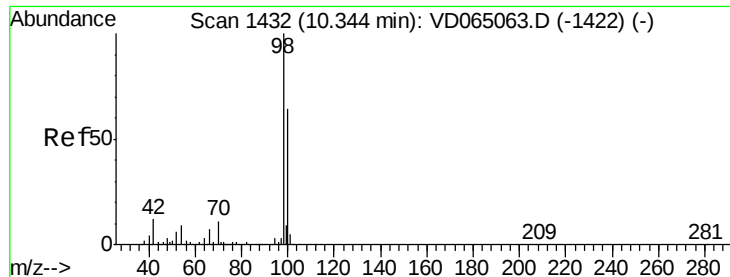
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#39
 Methylcyclohexane
 Concen: 1.483 ug/l
 RT: 9.36 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	12010		
55	88.3	62.0	93.0	
98	58.5	39.9	59.9	





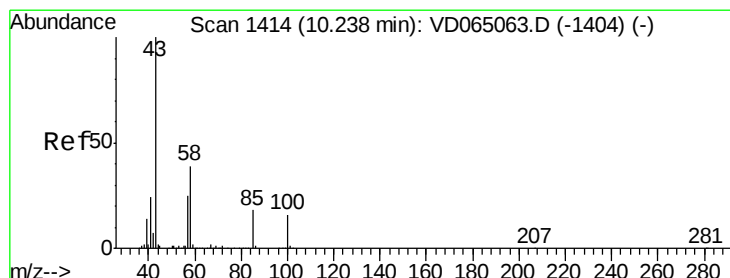
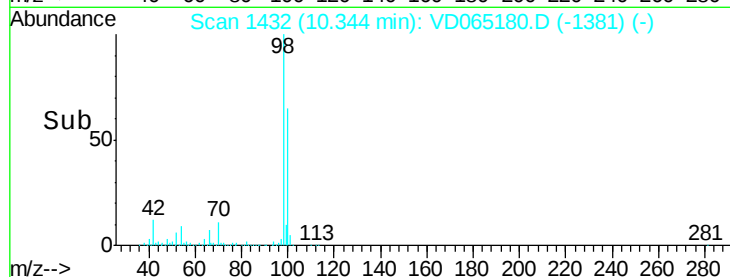
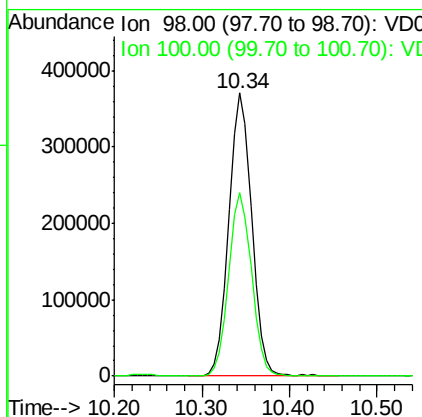
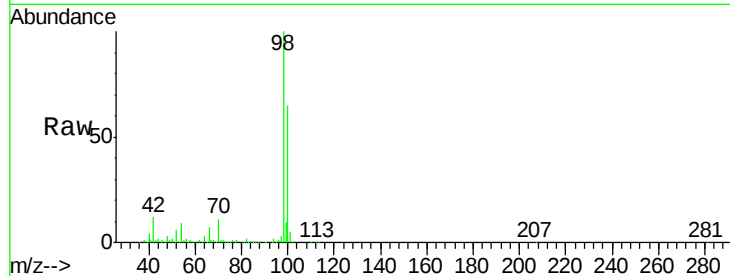
#50
Toluene-d8
Concen: 42.021 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Tot Ion: 98 Resp: 658272
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

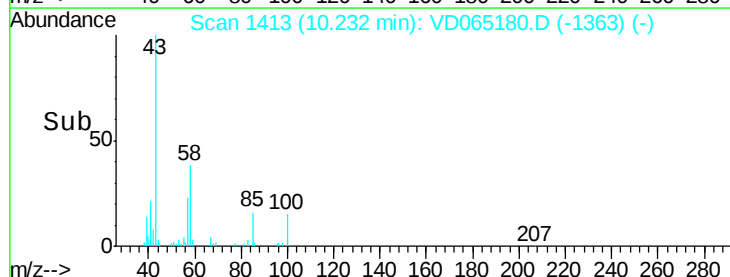
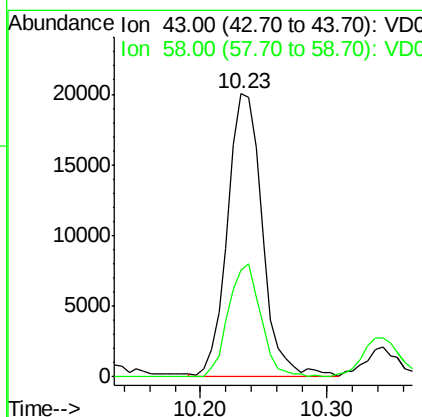
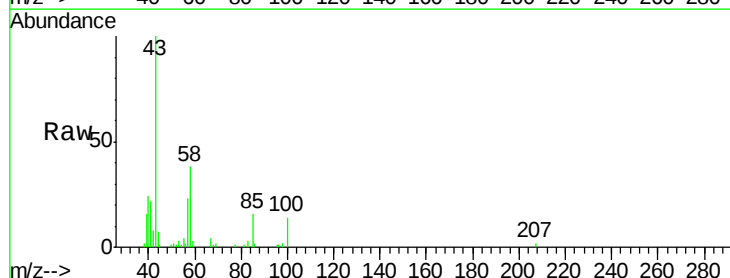
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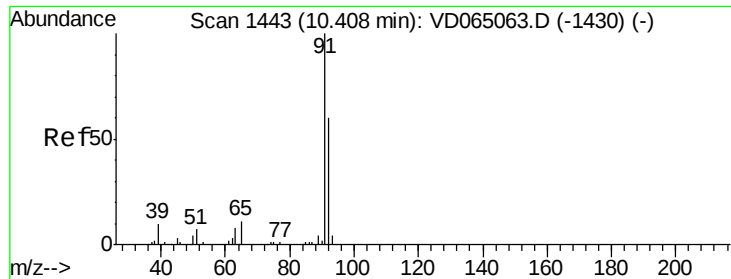
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#51
4-Methyl-2-Pentanone
Concen: 15.140 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Tgt Ion: 43 Resp: 38200
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2





#52

Toluene

Concen: 6.198 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONESRE

Tot Ion: 92 Resp: 71649

Ion Ratio Lower Upper

92 100

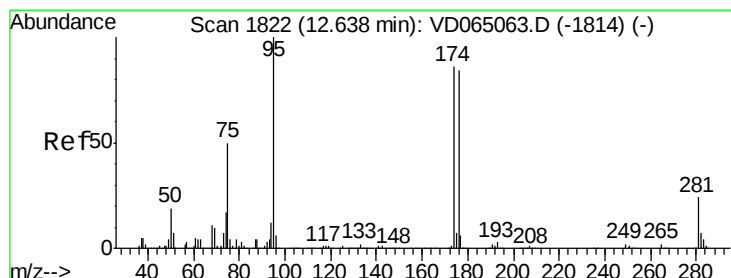
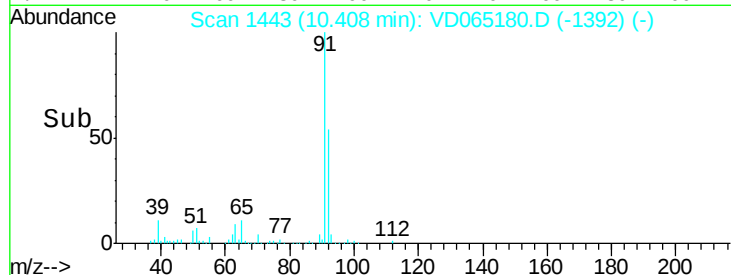
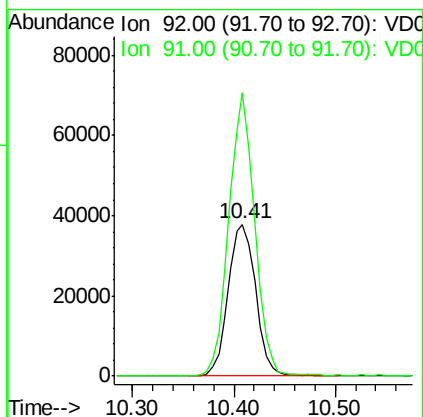
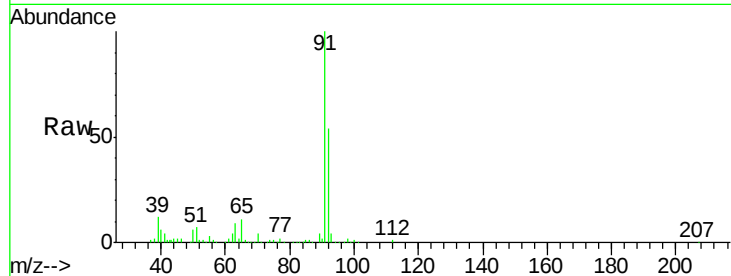
91 175.2 135.3 202.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 27.203 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

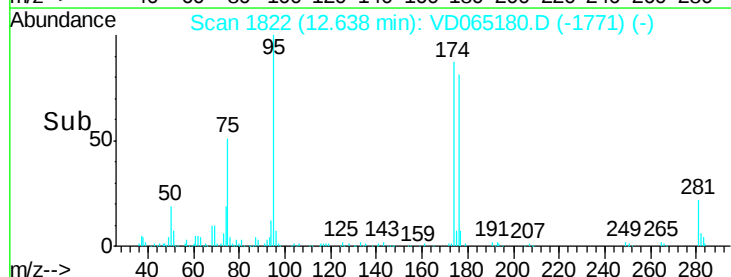
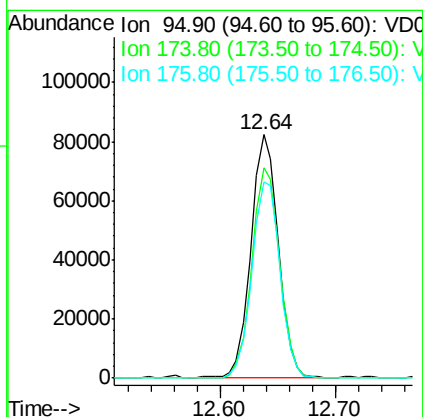
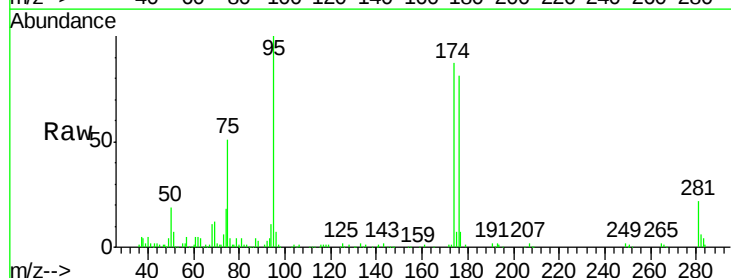
Tgt Ion: 95 Resp: 135029

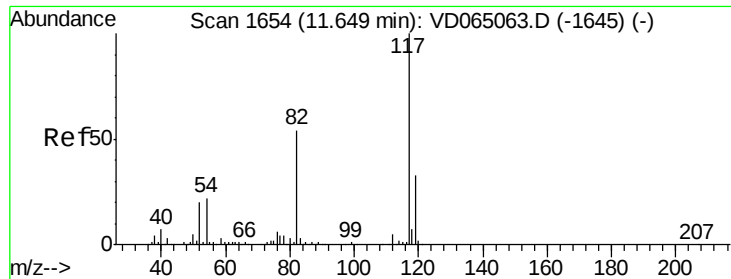
Ion Ratio Lower Upper

95 100

174 88.3 0.0 180.0

176 83.5 0.0 173.2





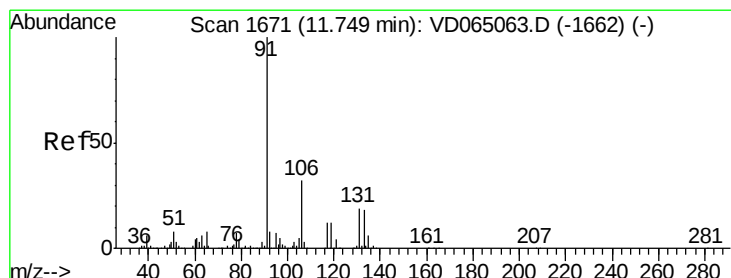
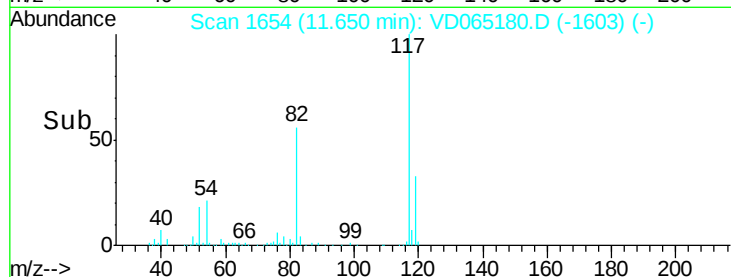
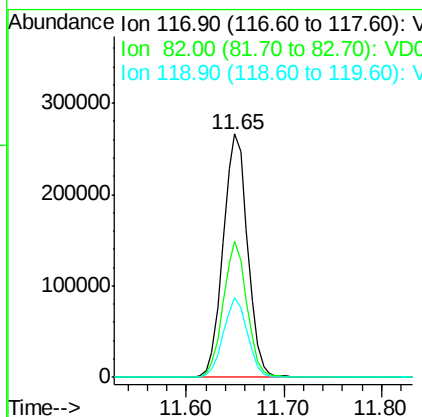
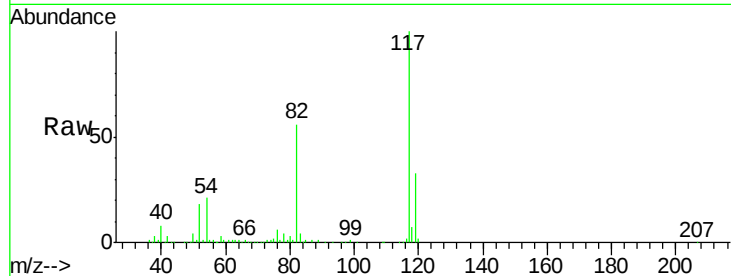
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.1	64.7
119	32.6	26.0	39.0

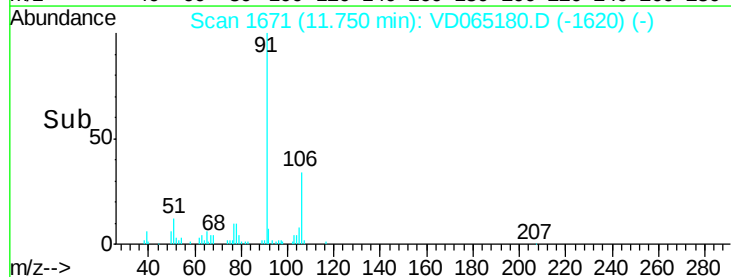
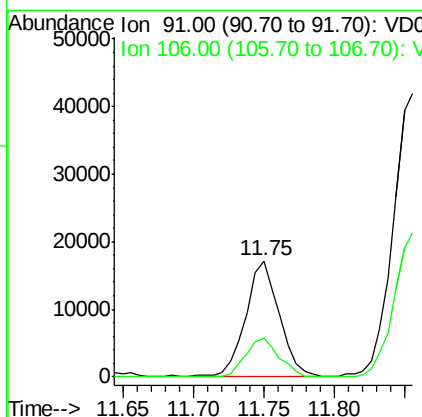
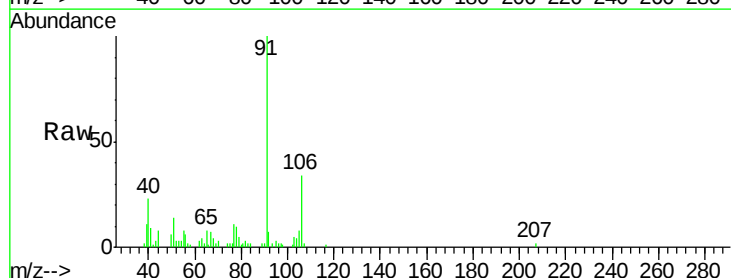
Manual Integrations
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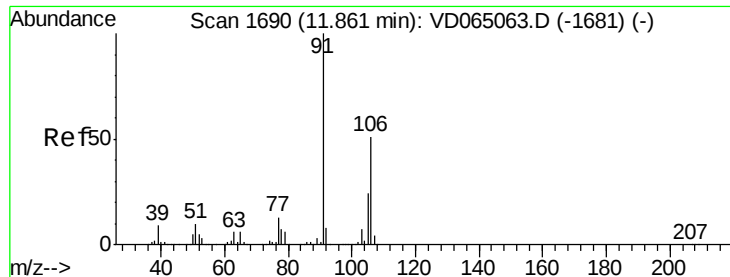
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#67
Ethyl Benzene
Concen: 1.779 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.4	38.2





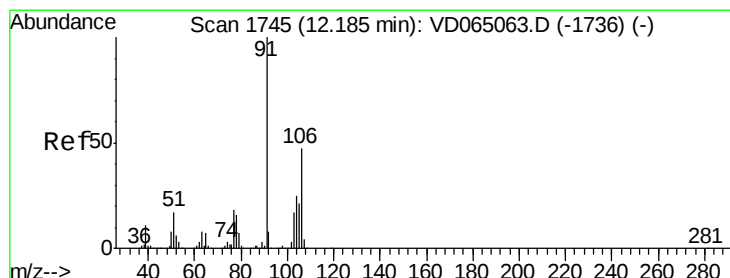
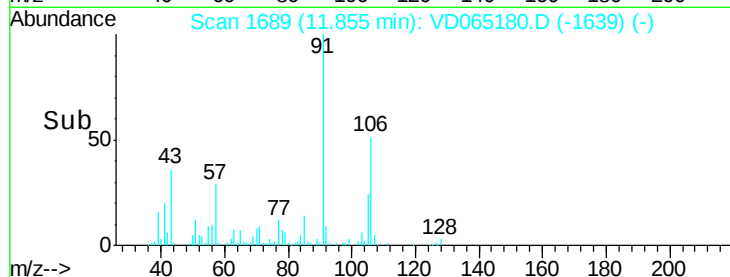
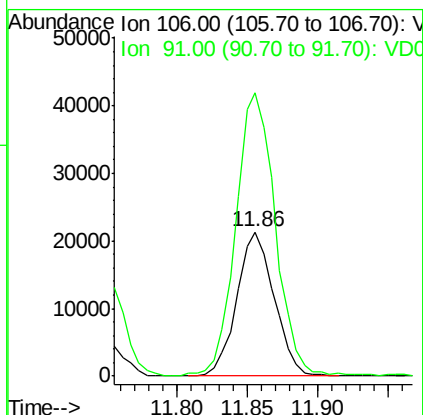
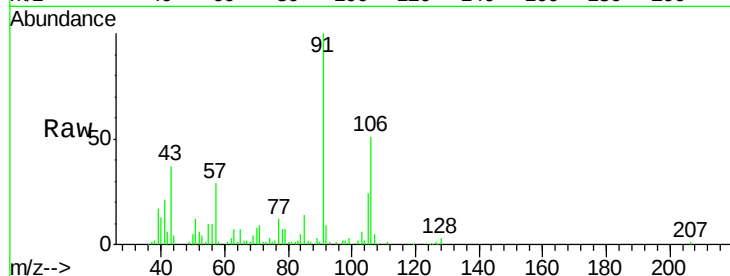
#68
m/p-Xylenes
Concen: 6.387 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Tot Ion:106 Resp: 39525
Ion Ratio Lower Upper
106 100
91 207.7 158.9 238.3

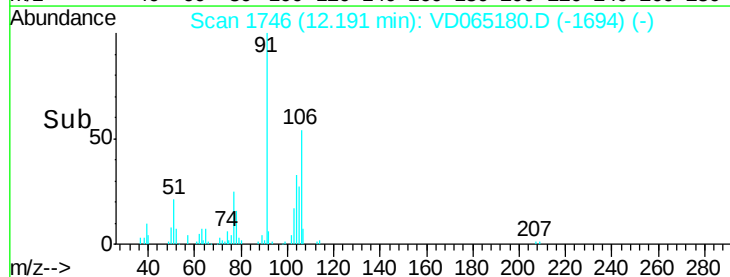
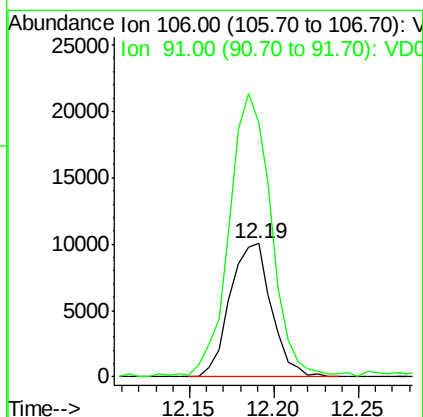
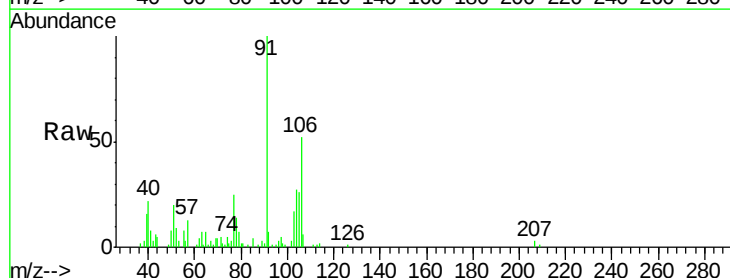
Manual Integrations
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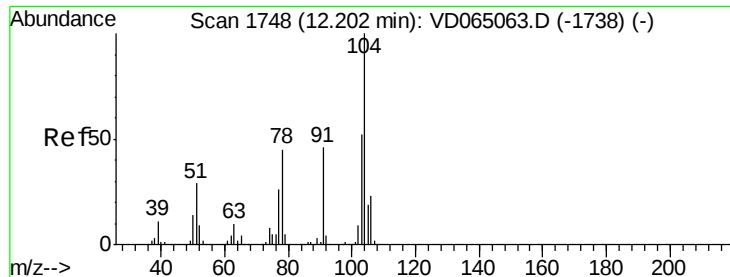
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#69
o-Xylene
Concen: 3.082 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Tgt Ion:106 Resp: 17177
Ion Ratio Lower Upper
106 100
91 216.0 104.7 313.9





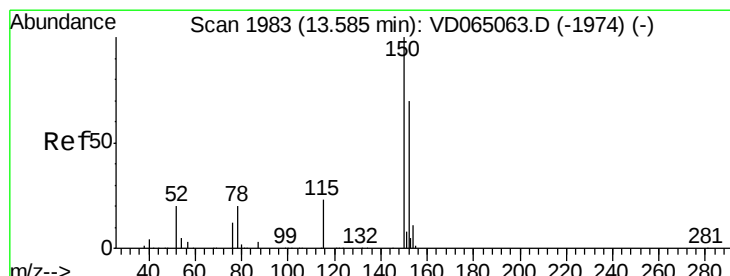
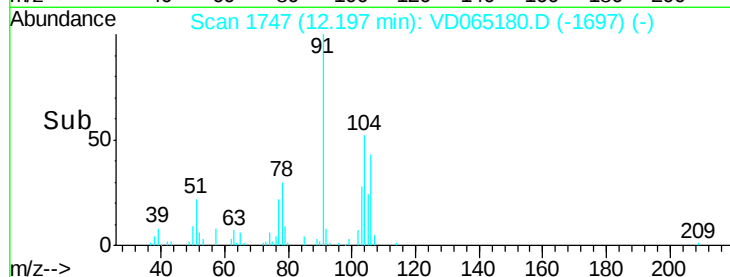
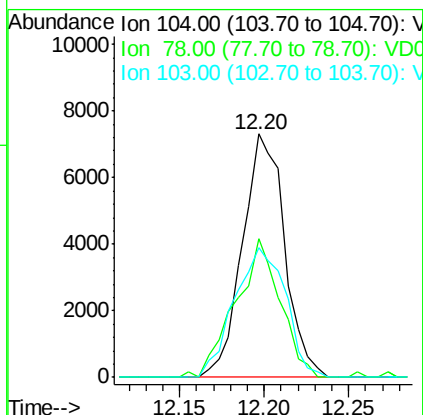
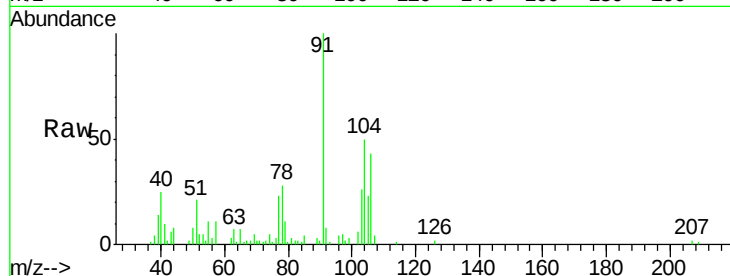
#70
Stvrene
Concen: 1.308 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.6	38.5	57.7#
103	64.7	43.8	65.8

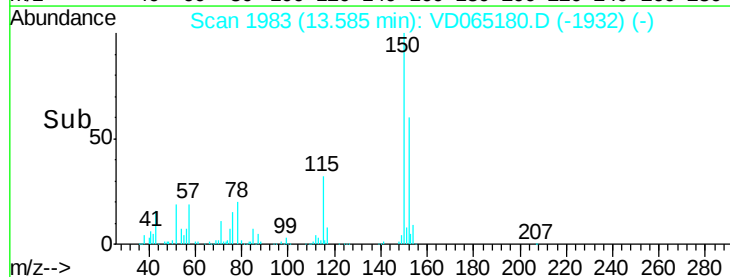
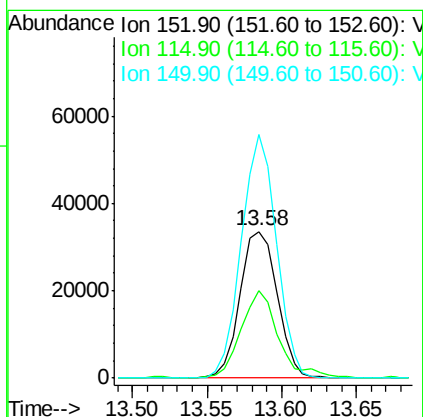
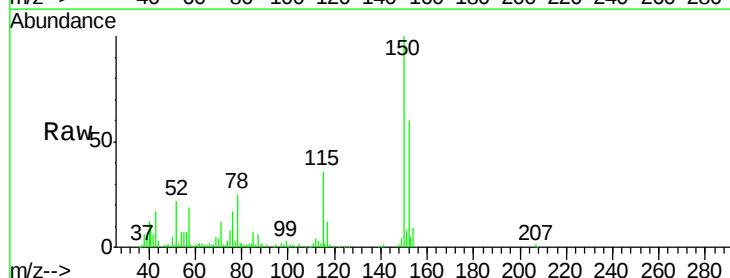
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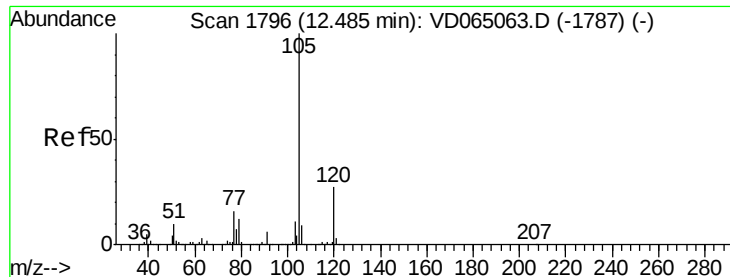
MMDadoda
2/14/2020 4:17:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	27.5	82.4
150	155.6	0.0	343.2





#73

Isopropylbenzene

Concen: 1.485 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONESRE

Tot Ion: 105 Resp: 5930

Ion Ratio Lower Upper

105 100

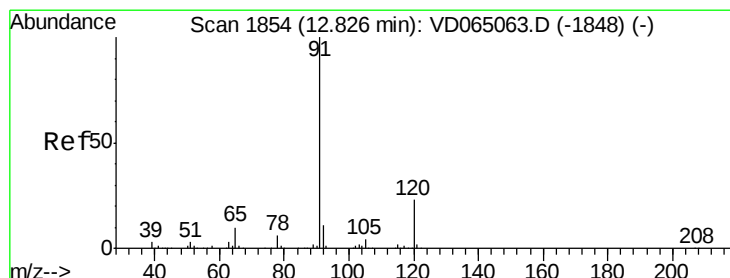
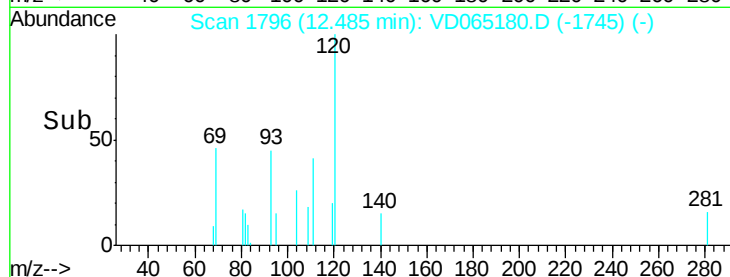
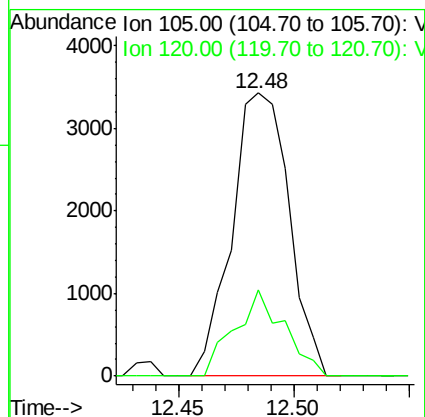
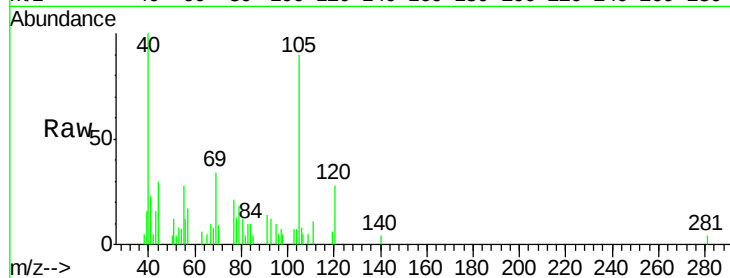
120 26.2 13.3 39.9

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#78

n-propylbenzene

Concen: 3.817 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065180.D

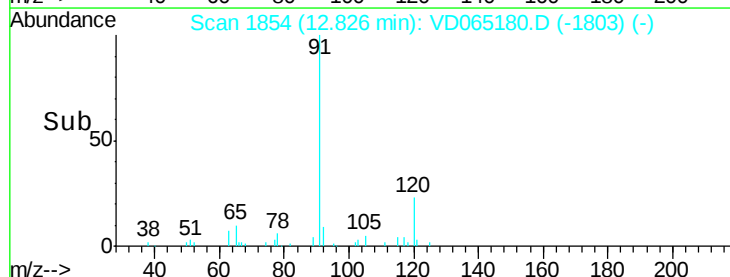
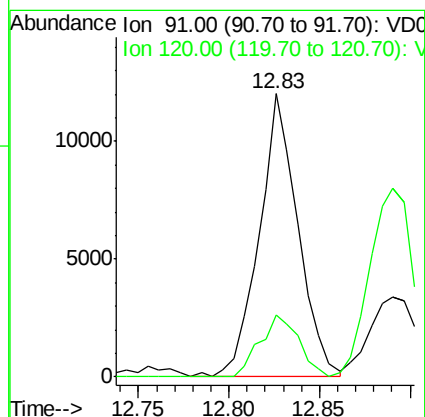
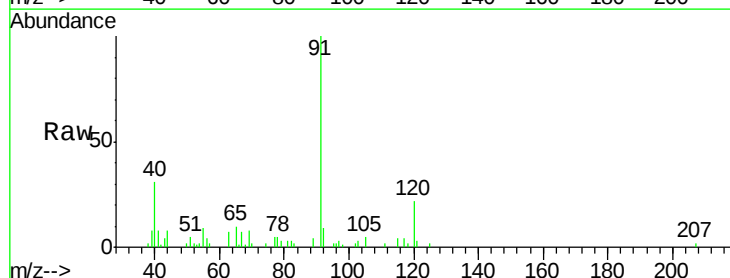
Acq: 13 Feb 2020 16:45

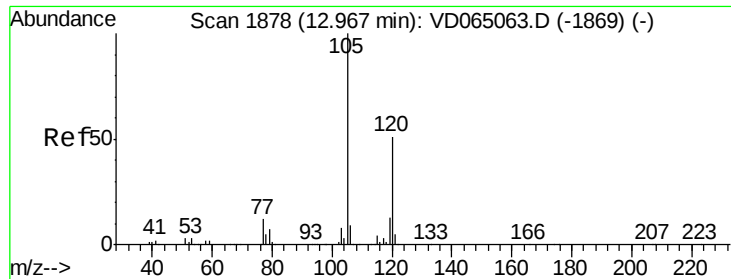
Tgt Ion: 91 Resp: 17846

Ion Ratio Lower Upper

91 100

120 22.0 11.8 35.3





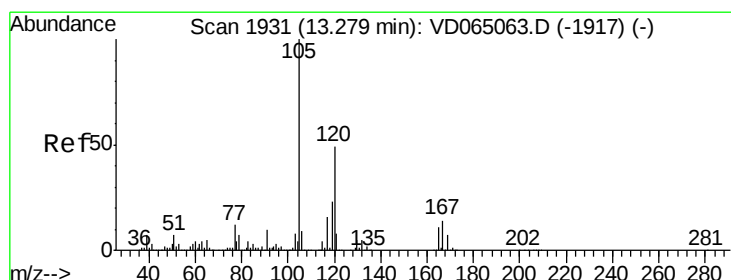
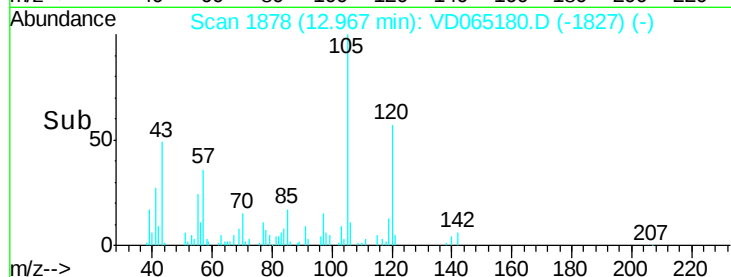
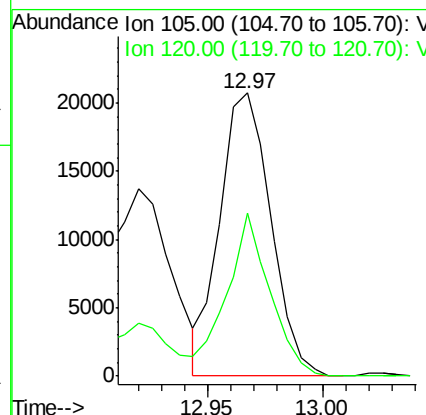
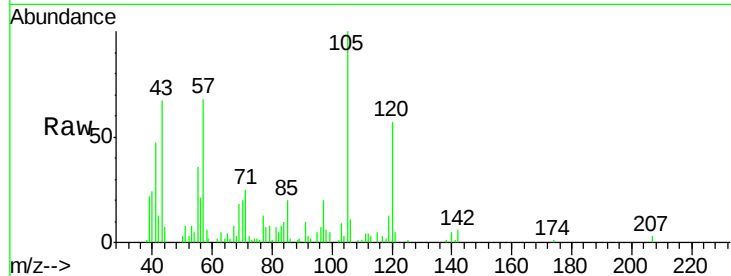
#80
 1,3,5-Trimethylbenzene
 Concen: 9.739 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONESRE

Tot Ion:105 Resp: 31811
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.1 75.4

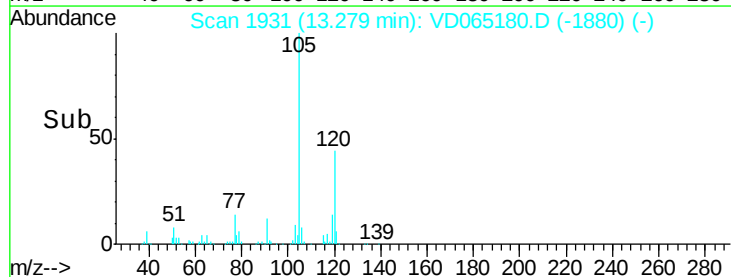
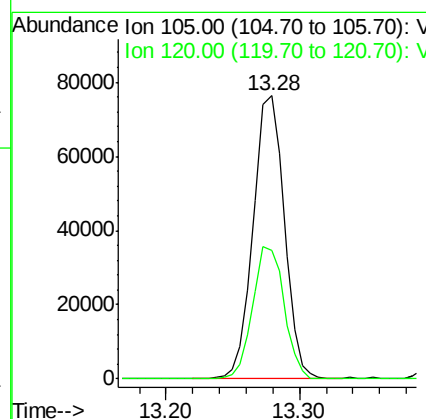
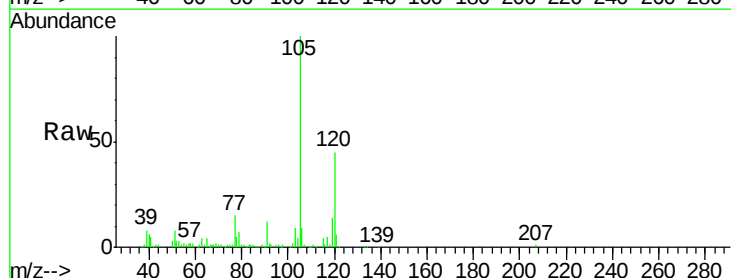
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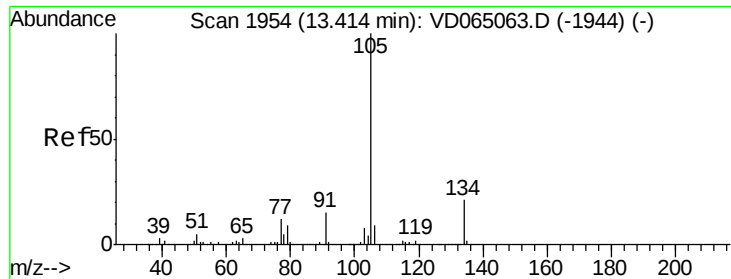
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 2/14/2020 4:17:56 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 37.897 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065180.D
 Acq: 13 Feb 2020 16:45

Tgt Ion:105 Resp: 122887
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.5 70.5





#85

sec-Butylbenzene

Concen: 4.004 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONESRE

Tot Ion:105 Resp: 15410

Ion Ratio Lower Upper

105 100

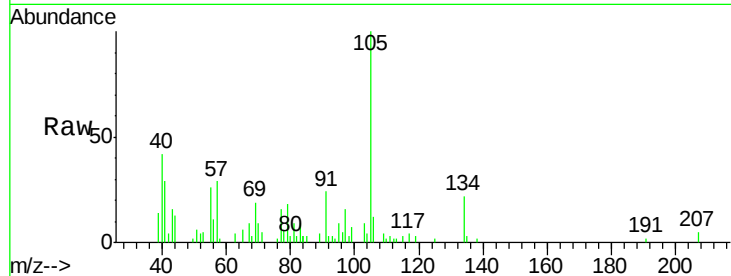
134 23.5 10.4 31.1

Manual Integrations

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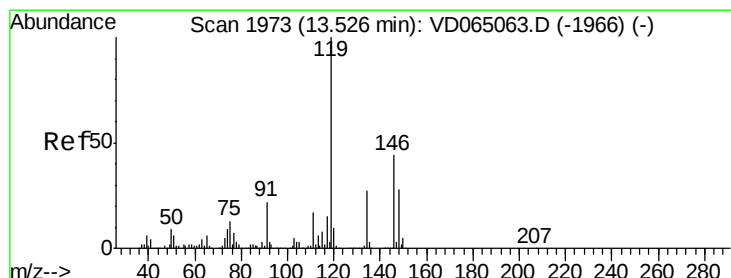
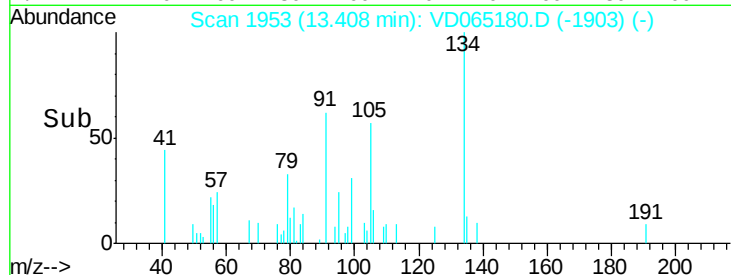
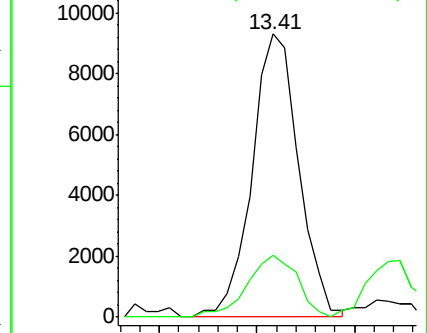
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.373 ug/l m

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065180.D

Acq: 13 Feb 2020 16:45

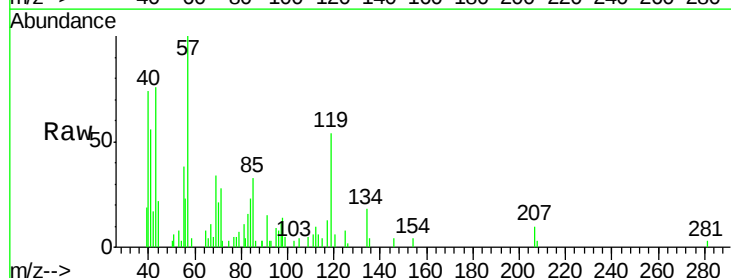
Tgt Ion:119 Resp: 4908

Ion Ratio Lower Upper

119 100

134 66.5 13.5 40.5#

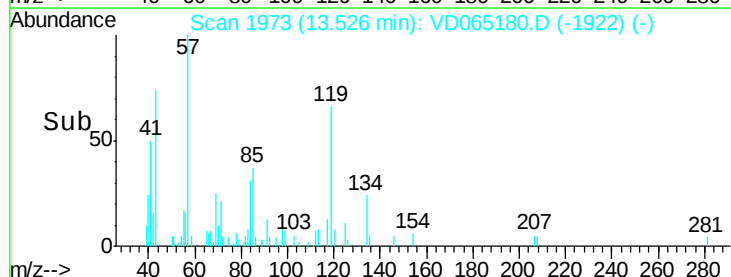
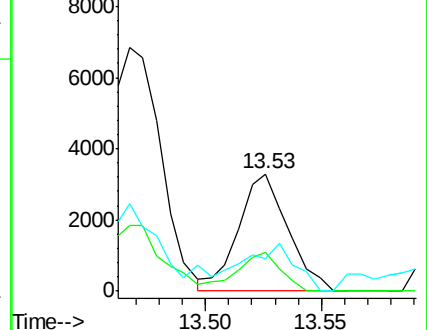
91 54.6 11.3 33.9#

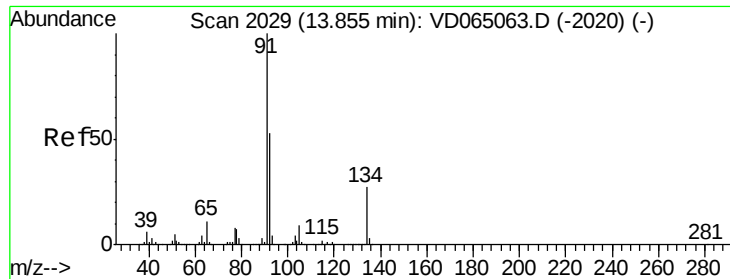


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





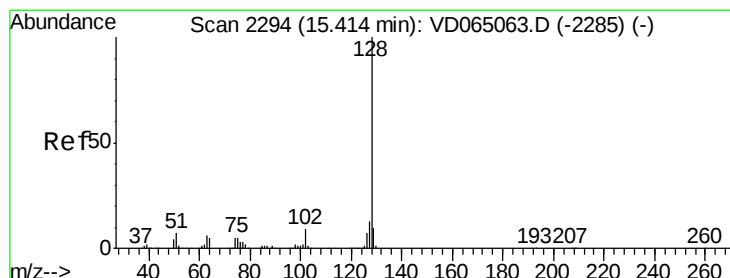
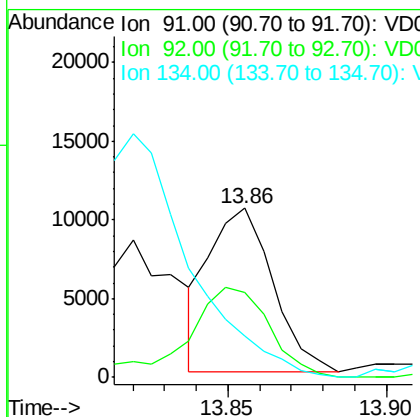
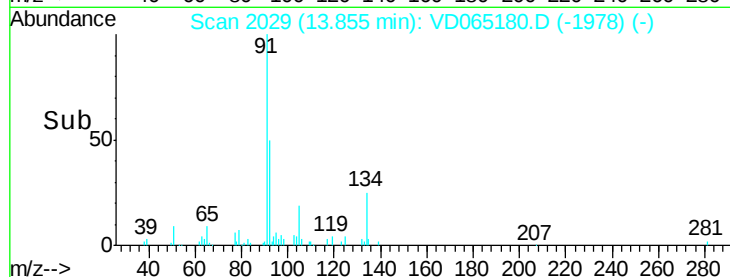
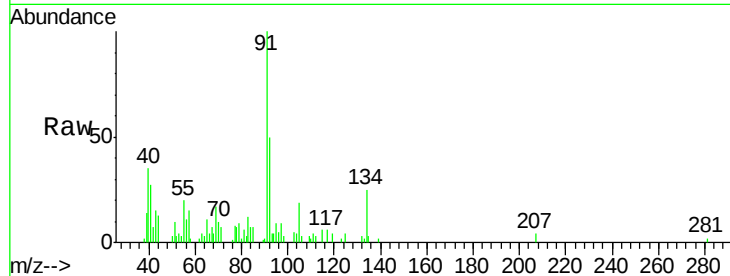
#89
n-Butylbenzene
Concen: 4.332 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONESRE

Tot Ion	Ratio	Lower	Upper
91	100		
92	73.3	26.7	80.1
134	0.0	13.4	40.2#

Manual Integrations
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#95
Naphthalene
Concen: 5.394 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065180.D
Acq: 13 Feb 2020 16:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.7	10.6	15.8#
129	14.7	8.7	13.1#

