

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066005.D
 Acq On : 22 Jul 2020 16:48
 Operator : VA/SY
 Sample : L3363-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 81-83

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:36 PM

Quant Time: Jul 23 08:11:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	292232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	541163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	143410	60.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.62%	
35) Dibromofluoromethane	7.92	113	164708	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.34	98	645540	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.64	95	245604	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.22	59	9016	37.173	ug/l #	96
16) Acetone	4.16	43	118909	247.051	ug/l	94
25) 2-Butanone	7.21	43	41223	64.546	ug/l	91
39) Methylcyclohexane	9.36	83	19041	3.395	ug/l #	84
40) Benzene	8.36	78	58541	4.518	ug/l	98
52) Toluene	10.41	92	1206560	142.802	ug/l	99
67) Ethyl Benzene	11.75	91	1212905	71.132	ug/l	99
68) m/p-Xylenes	11.86	106	1736104	264.896	ug/l	98
69) o-Xylene	12.18	106	736016	123.472	ug/l	98
73) Isopropylbenzene	12.48	105	112932	7.242	ug/l	100
78) n-propylbenzene	12.83	91	449482	24.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	420117	32.791	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1732055	137.029	ug/l	100
85) sec-Butylbenzene	13.40	105	21148m	1.369	ug/l	
86) p-Isopropyltoluene	13.52	119	17006m	1.212	ug/l	
89) n-Butylbenzene	13.85	91	42883	3.287	ug/l #	76
95) Naphthalene	15.41	128	115009	16.602	ug/l	99

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

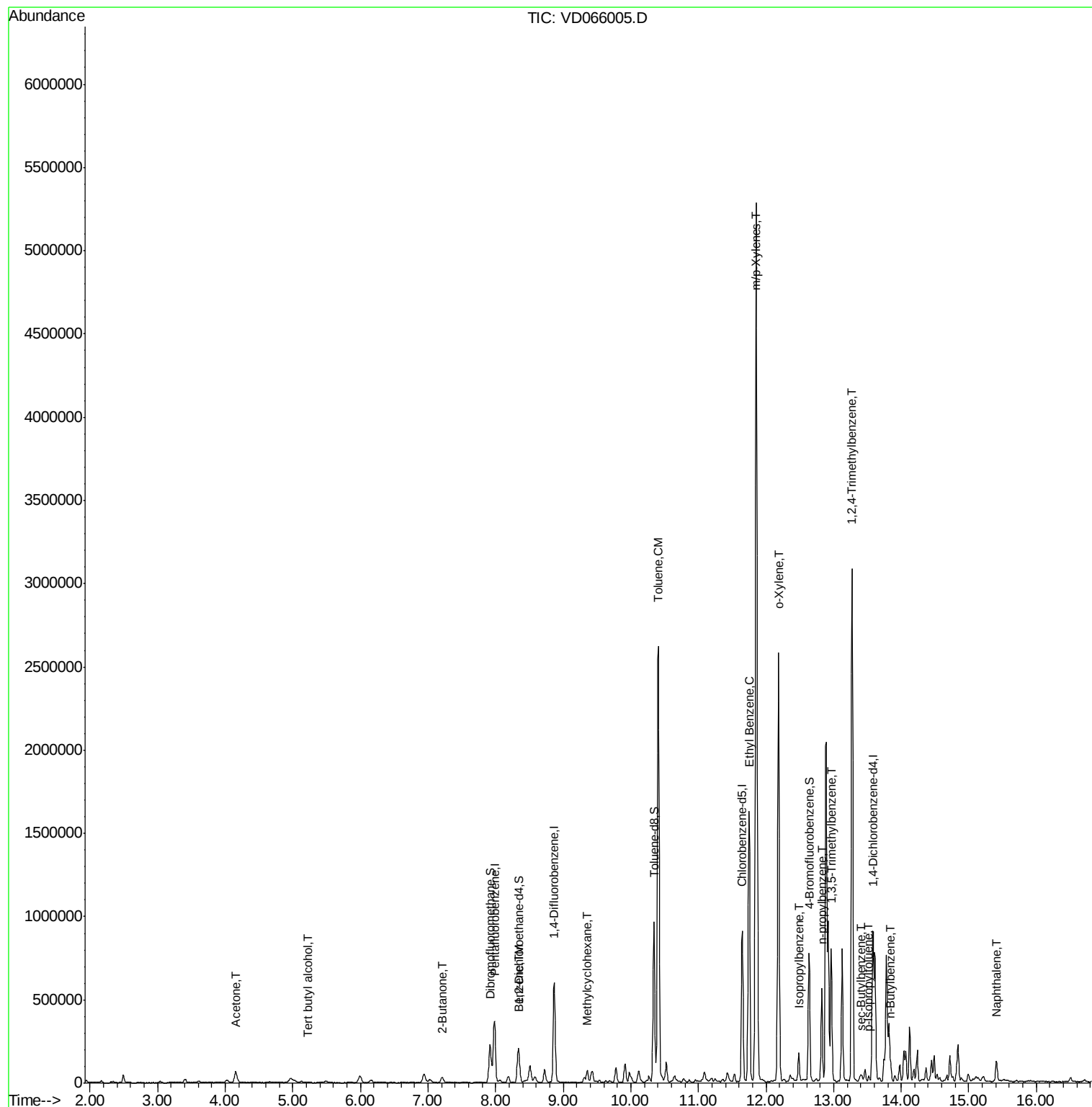
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
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Quant Time: Jul 23 08:11:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

81-83

Tot Ion:168 Resp: 292232

Ion Ratio Lower Upper

168 100

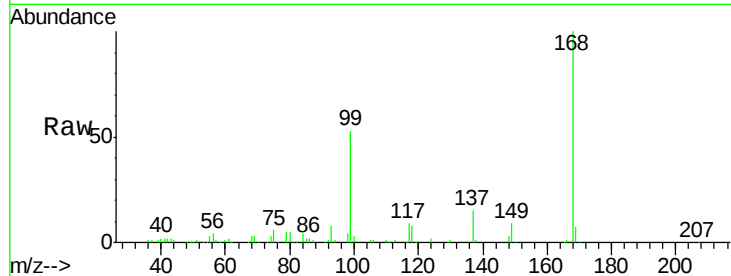
99 53.1 40.8 61.2

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

7.98

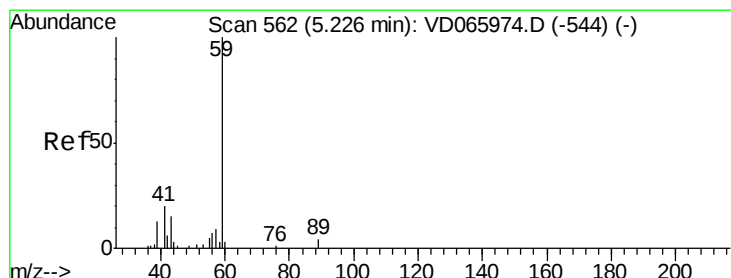
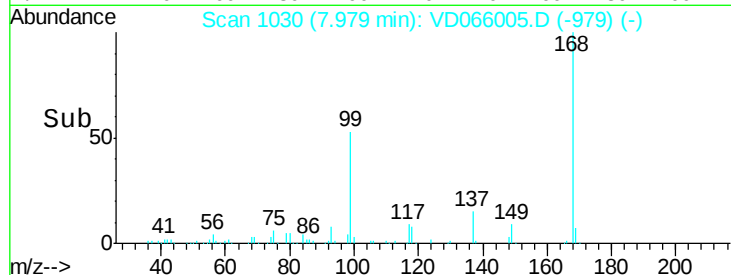
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 37.173 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066005.D

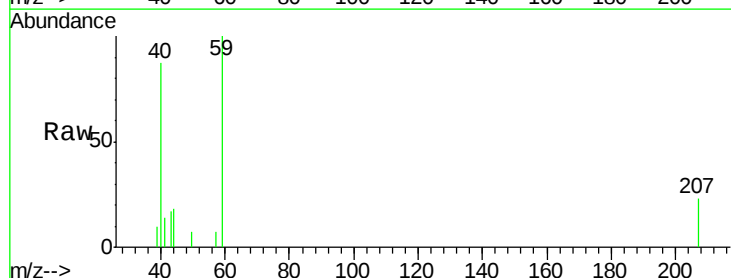
Acq: 22 Jul 2020 16:48

Tgt Ion: 59 Resp: 9016

Ion Ratio Lower Upper

59 100

57 4.4 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

3000

2500

2000

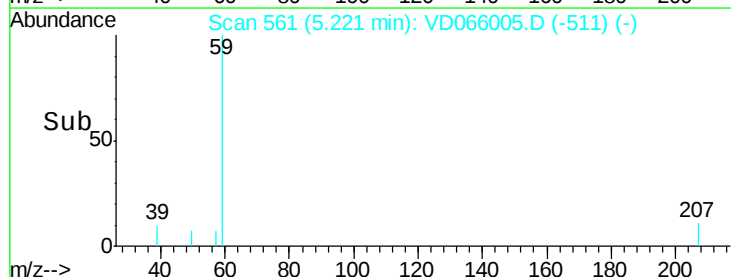
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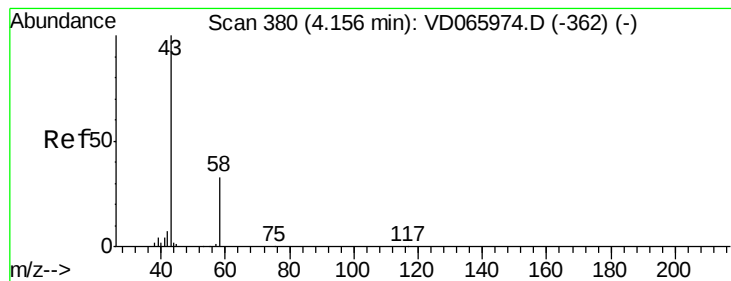
1000

500

0

Time-->





#16

Acetone

Concen: 247.051 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

81-83

Tot Ion: 43 Resp: 118909

Ion Ratio Lower Upper

43 100

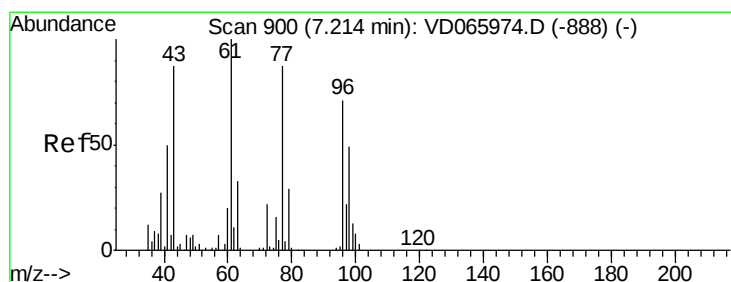
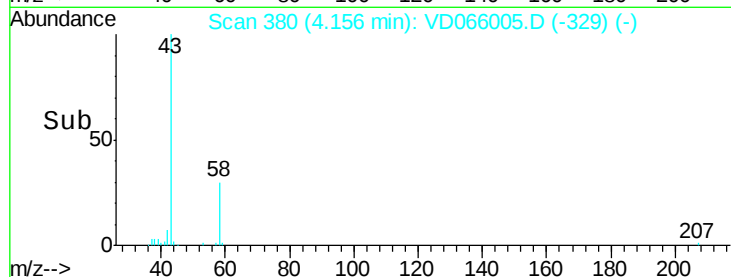
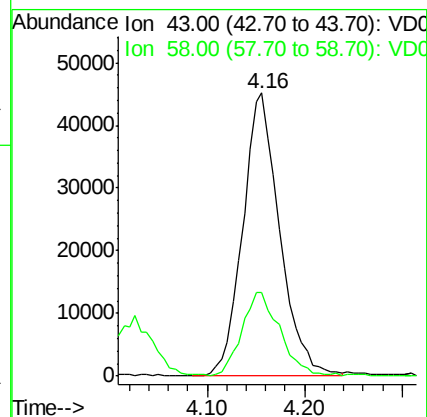
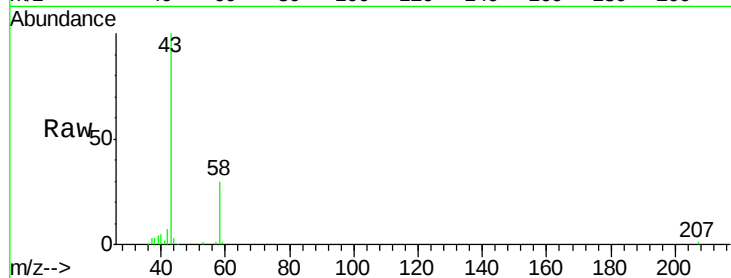
58 29.7 26.3 39.5

Manual Integrations

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#25

2-Butanone

Concen: 64.546 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066005.D

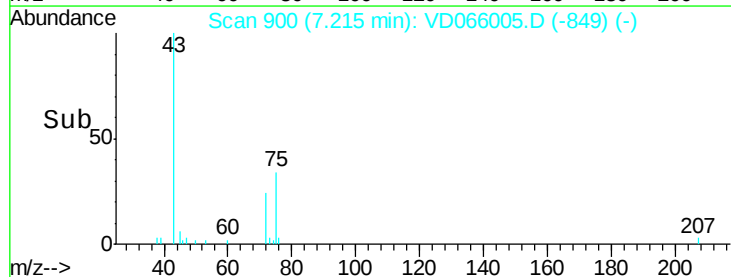
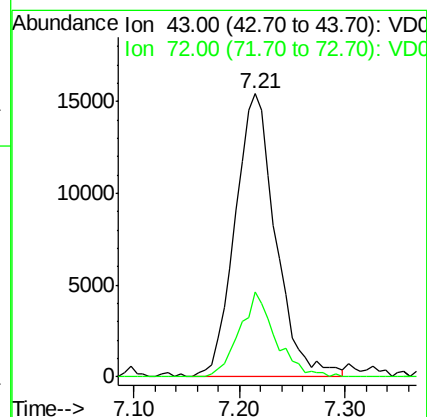
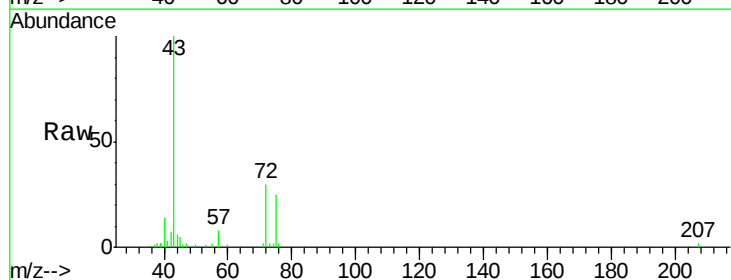
Acq: 22 Jul 2020 16:48

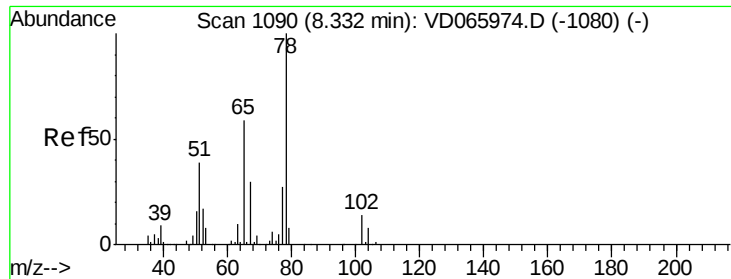
Tgt Ion: 43 Resp: 41223

Ion Ratio Lower Upper

43 100

72 29.9 20.2 30.2





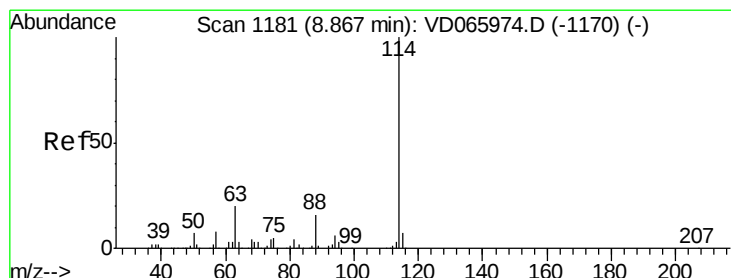
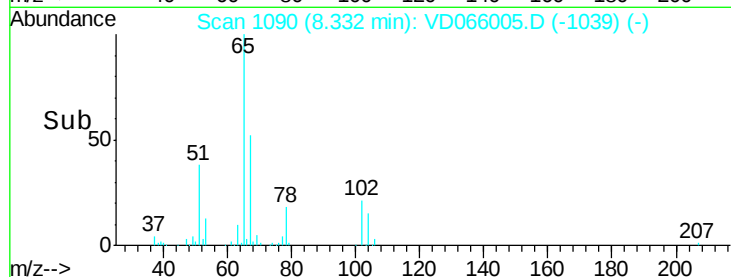
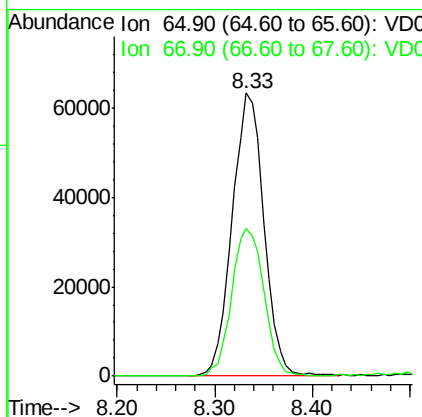
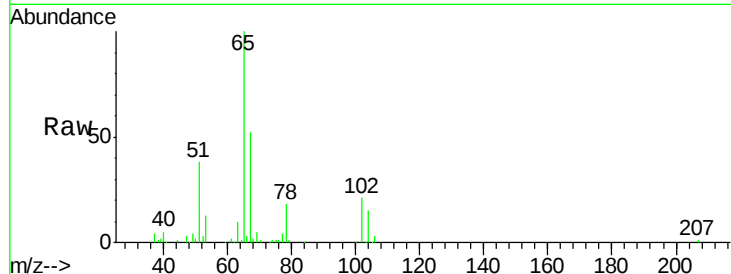
#33
 1,2-Dichloroethane-d4
 Concen: 60.310 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066005.D
 Acq: 22 Jul 2020 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 81-83

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143410		
67	52.9	0.0	105.0	

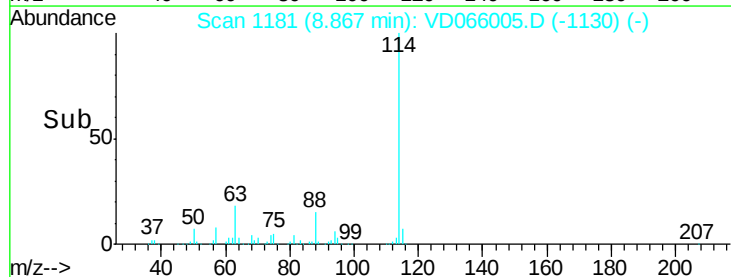
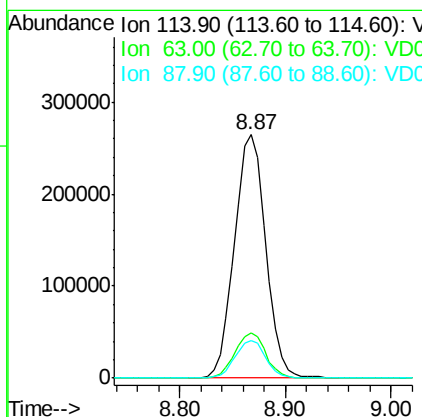
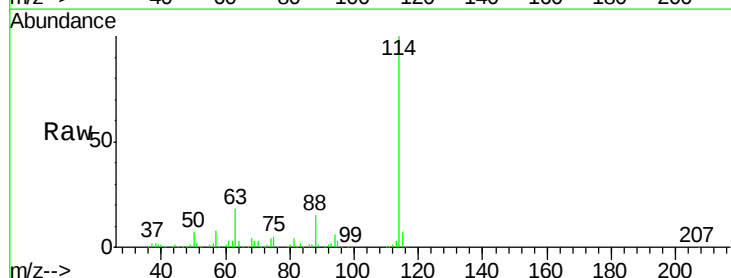
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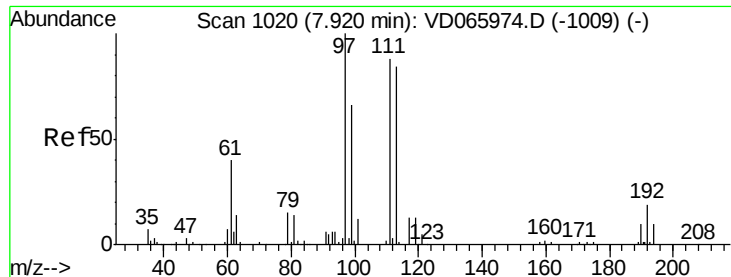
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066005.D
 Acq: 22 Jul 2020 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	542627		
63	18.3	0.0	39.6	
88	15.4	0.0	31.2	





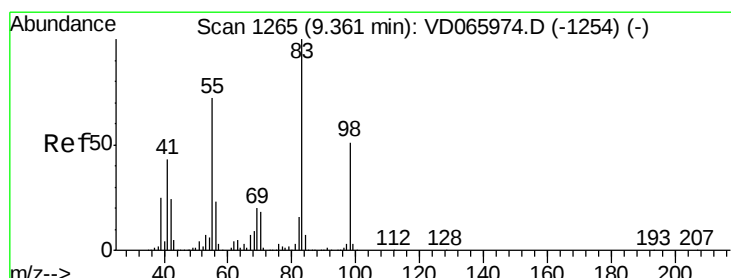
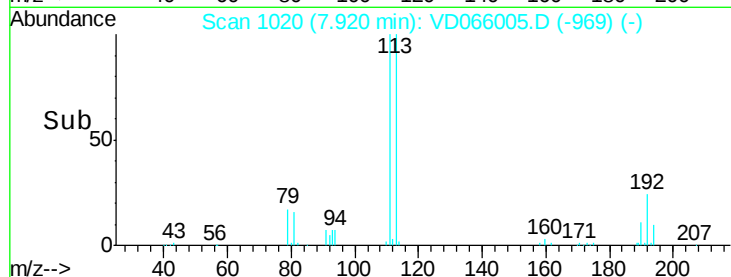
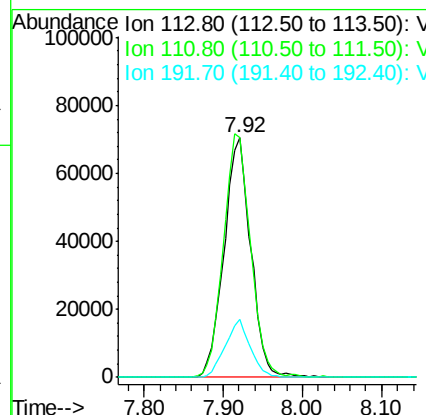
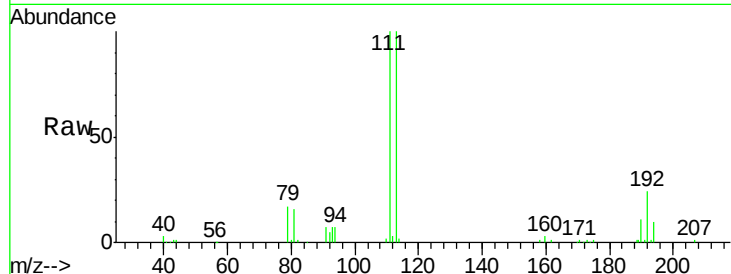
#35
Dibromofluoromethane
Concen: 50.045 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164708		
111	102.8	83.2	124.8	
192	22.5	18.7	28.1	

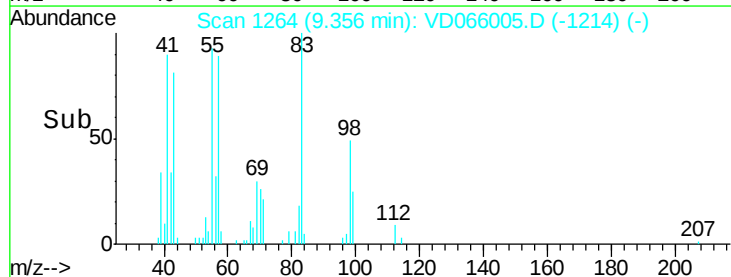
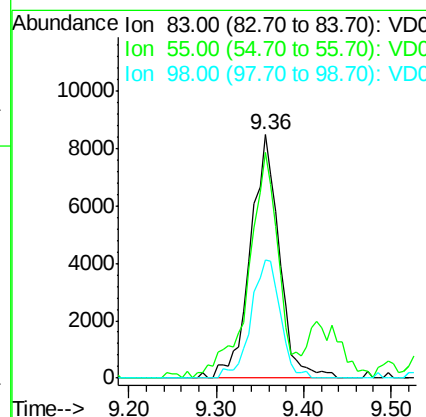
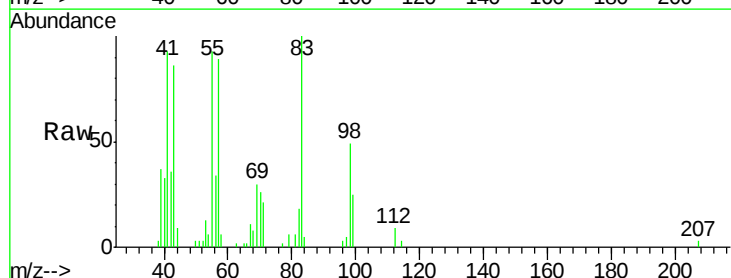
Manual Integrations
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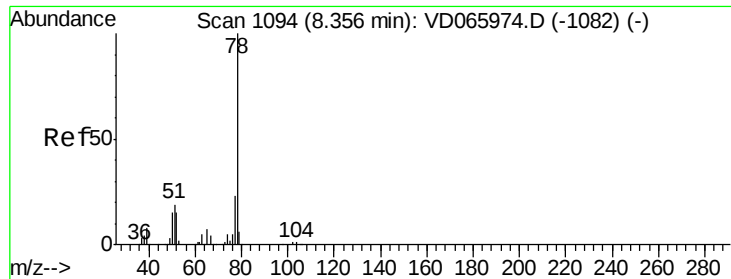
MMDadoda
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#39
Methylcyclohexane
Concen: 3.395 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	19041		
55	92.6	57.3	85.9#	
98	48.7	41.0	61.6	





#40

Benzene

Concen: 4.518 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

81-83

Tot Ion: 78 Resp: 58541

Ion Ratio Lower Upper

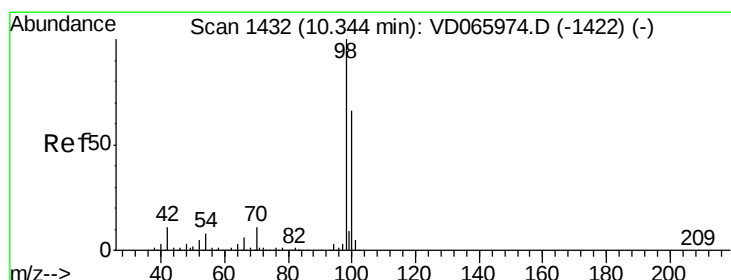
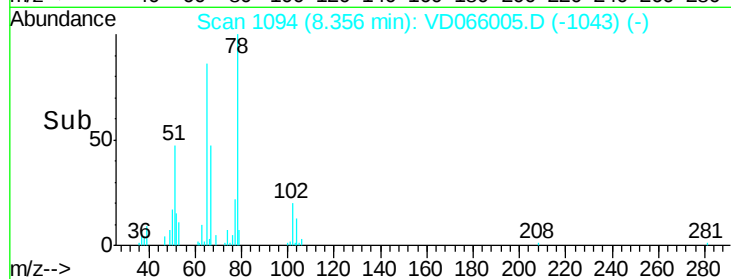
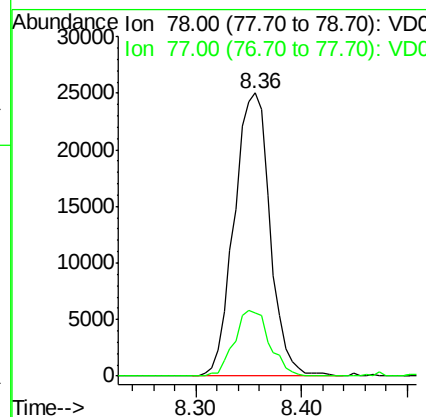
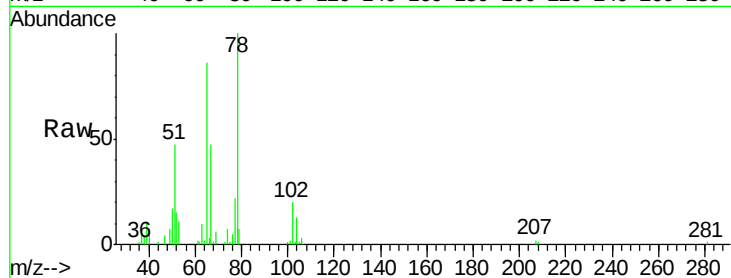
78 100

77 22.4 18.6 27.8

Manual Integrations
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#50

Toluene-d8

Concen: 52.652 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066005.D

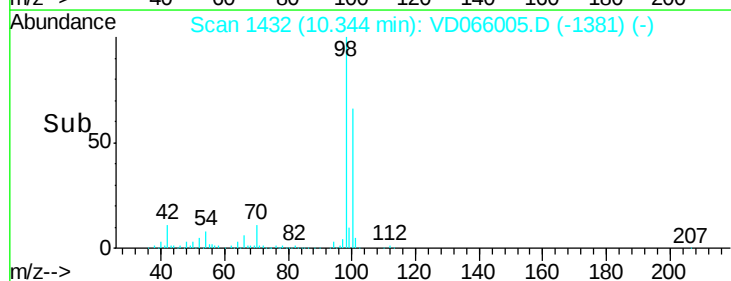
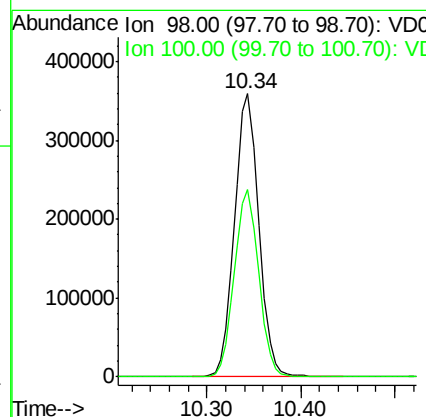
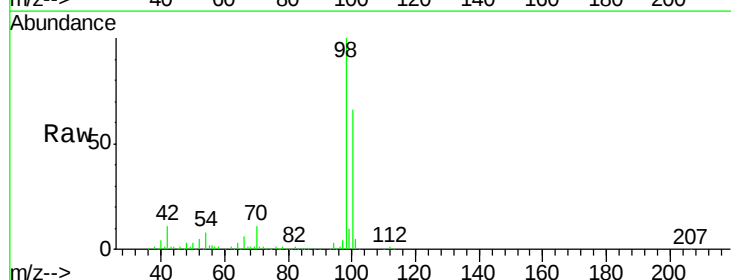
Acq: 22 Jul 2020 16:48

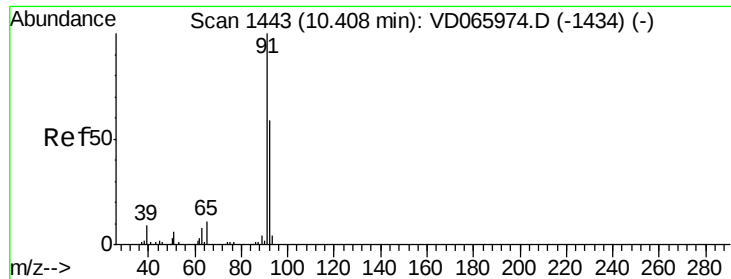
Tgt Ion: 98 Resp: 645540

Ion Ratio Lower Upper

98 100

100 66.5 52.7 79.1





#52

Toluene

Concen: 142.802 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

81-83

Tot Ion: 92 Resp: 1206560

Ion Ratio Lower Upper

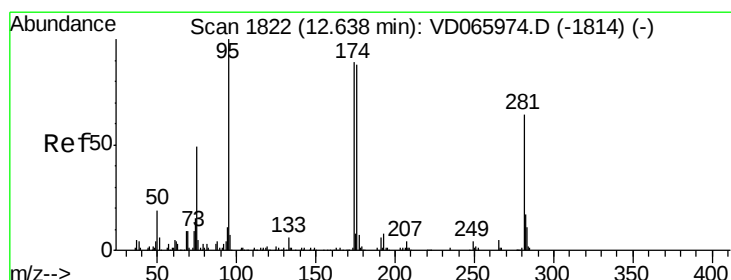
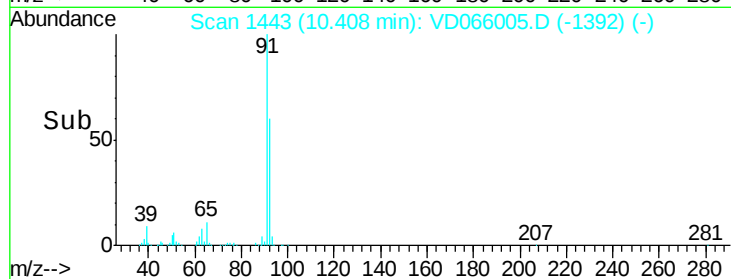
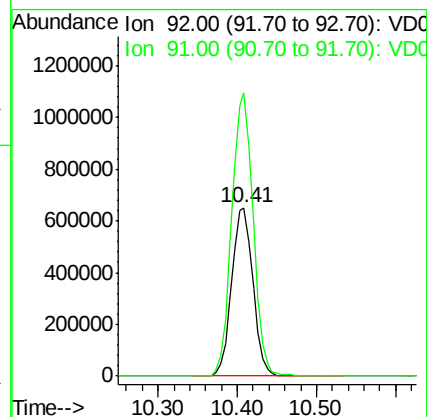
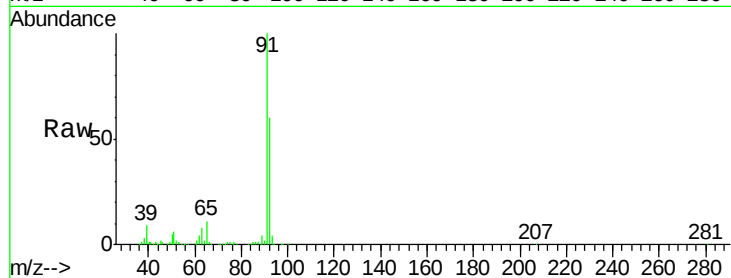
92 100

91 169.5 134.5 201.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 57.773 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

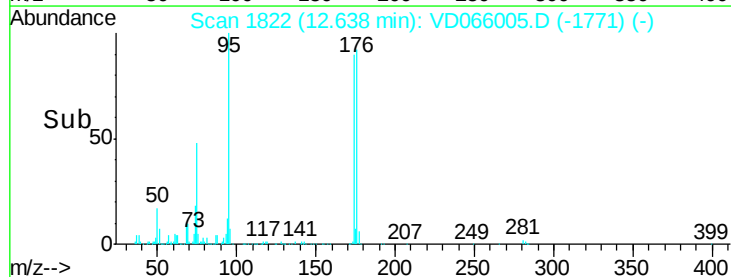
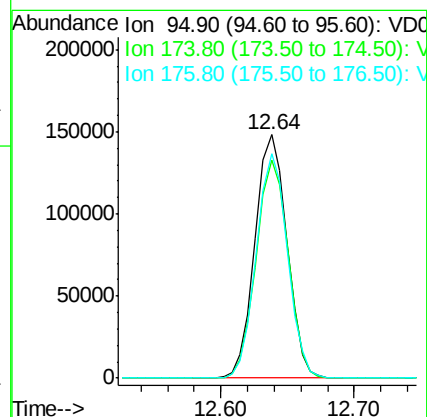
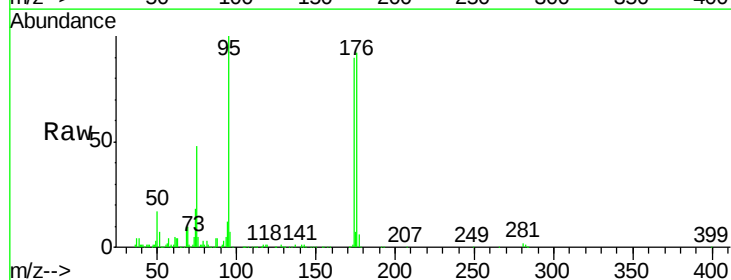
Tgt Ion: 95 Resp: 245604

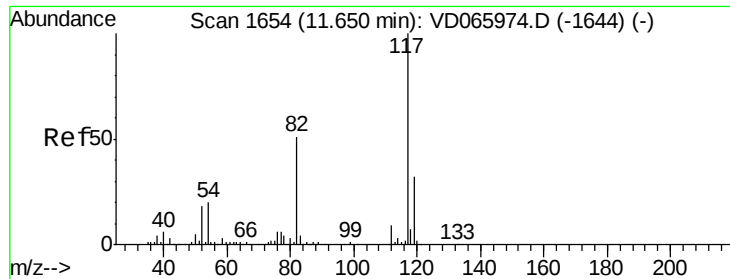
Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 89.9 0.0 172.6





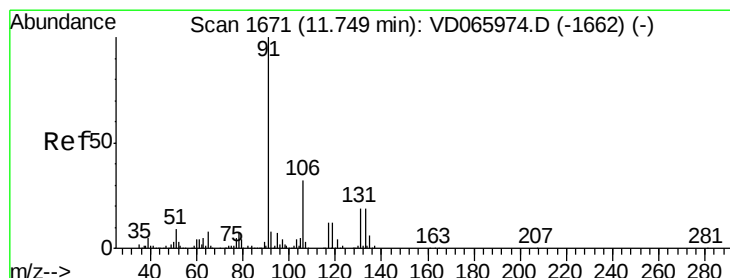
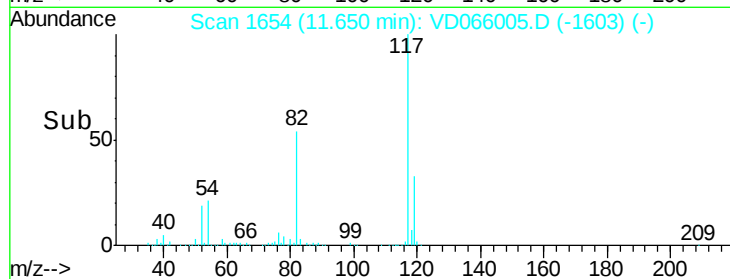
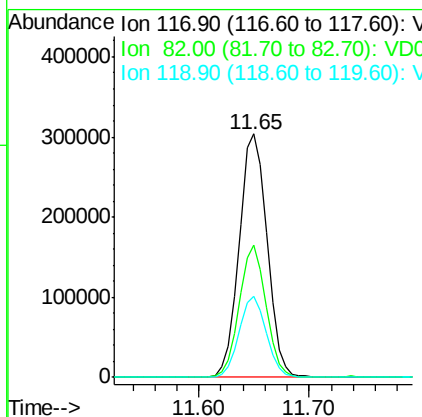
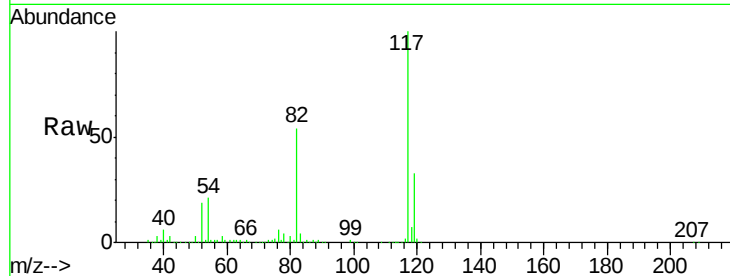
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.1	61.7
119	33.4	25.9	38.9

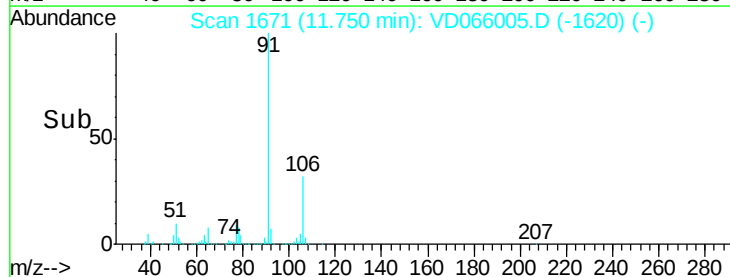
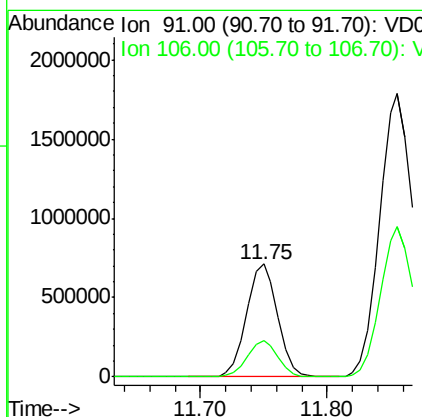
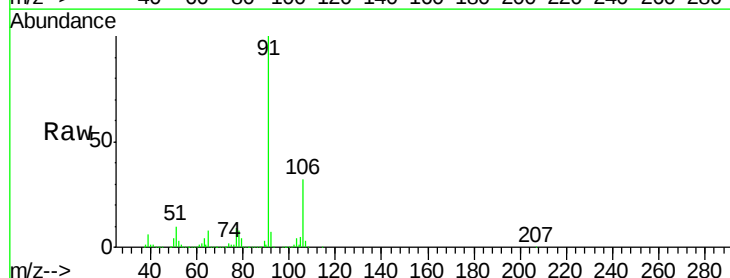
Manual Integrations
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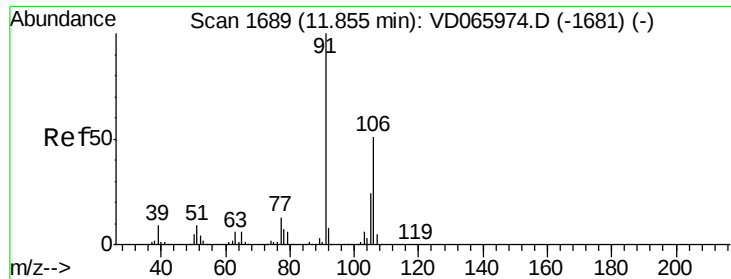
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#67
Ethyl Benzene
Concen: 71.132 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.7	38.5





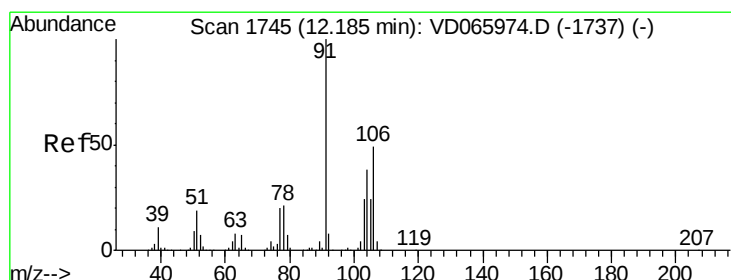
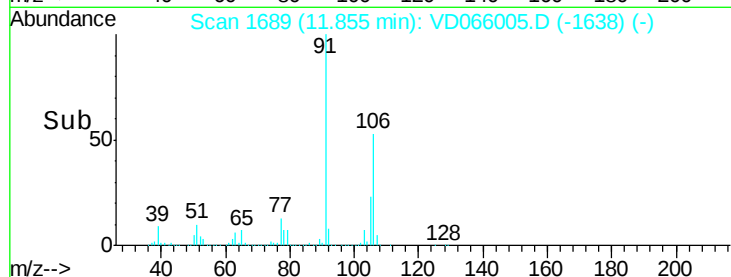
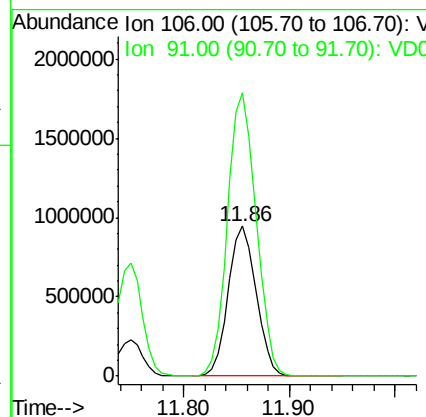
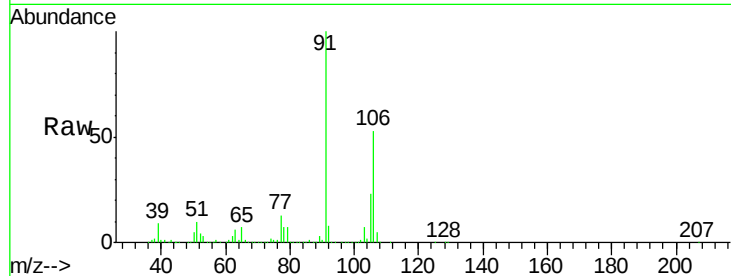
#68
m/p-Xvlenes
Concen: 264.896 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Instrument :
MSVOA_D
ClientSampled :
81-83

Tot Ion:106 Resp: 1736104
Ion Ratio Lower Upper
106 100
91 192.9 157.0 235.6

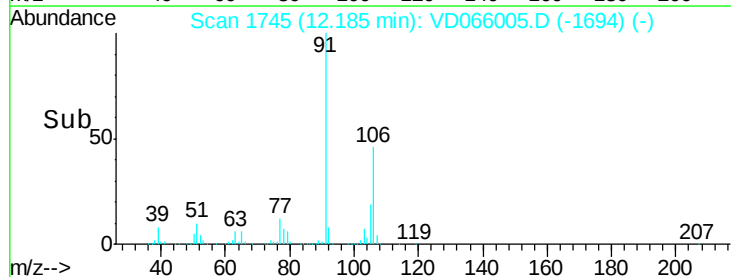
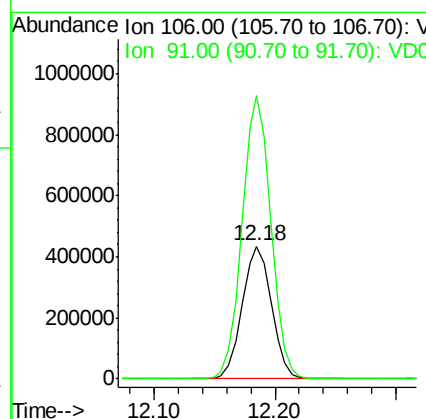
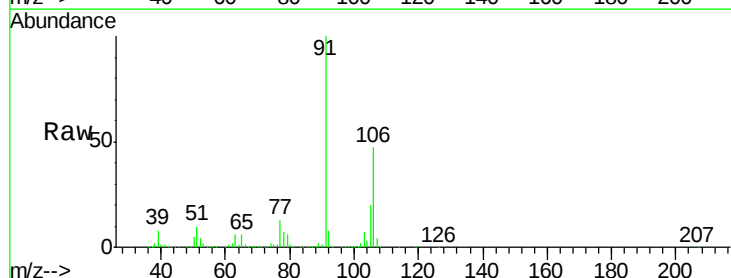
Manual Integrations
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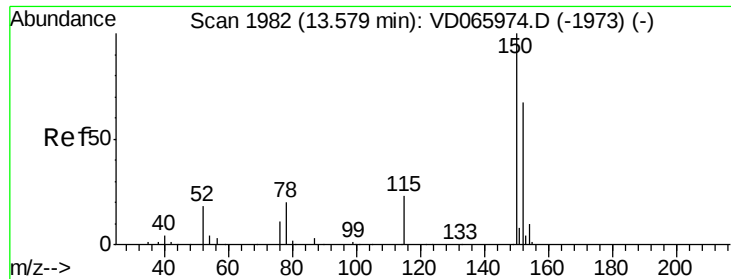
MMDadoda
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#69
o-Xylene
Concen: 123.472 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Tgt Ion:106 Resp: 736016
Ion Ratio Lower Upper
106 100
91 209.4 103.1 309.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

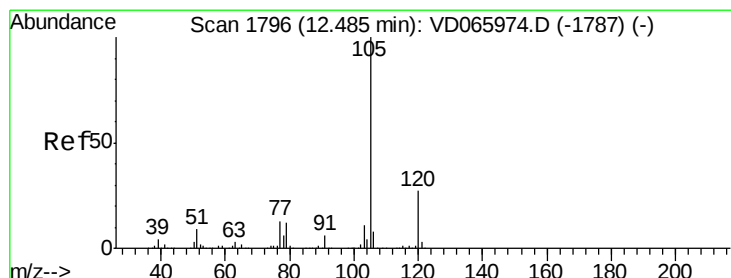
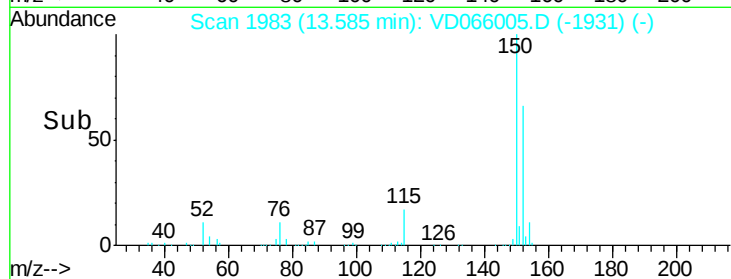
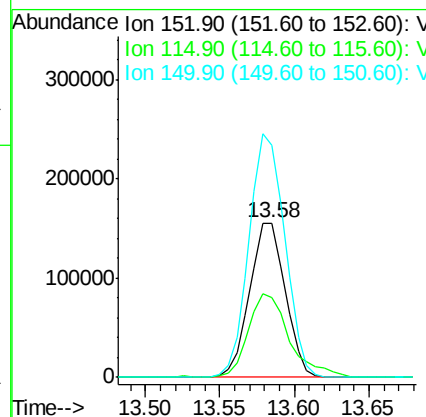
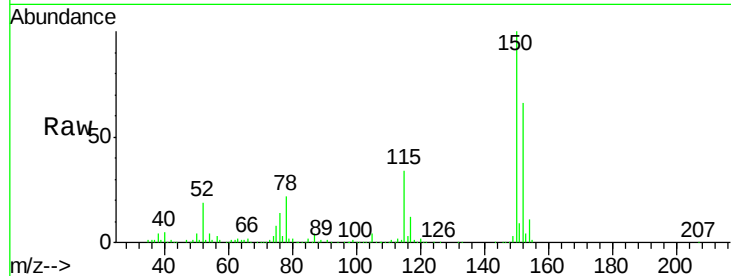
ClientSampleId :

81-83

Tot Ion:	152	Resp:	257717
Ion Ratio	Lower	Upper	
152	100		
115	62.6	27.9	83.7
150	158.2	0.0	348.2

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#73

Isopropylbenzene

Concen: 7.242 ug/l

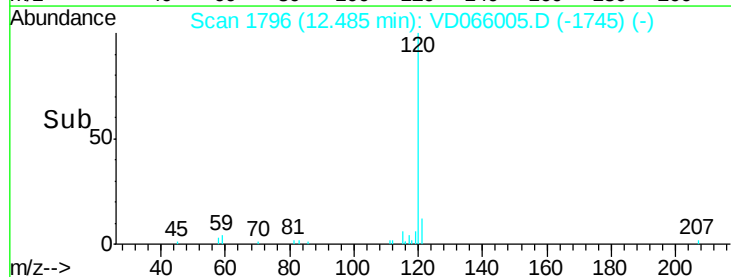
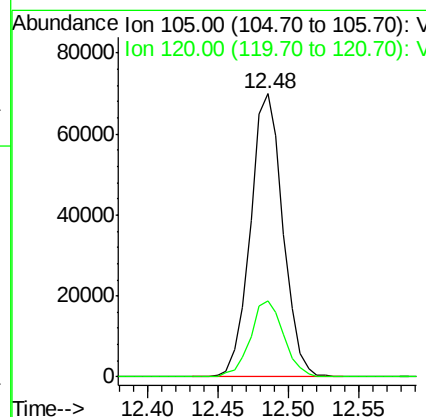
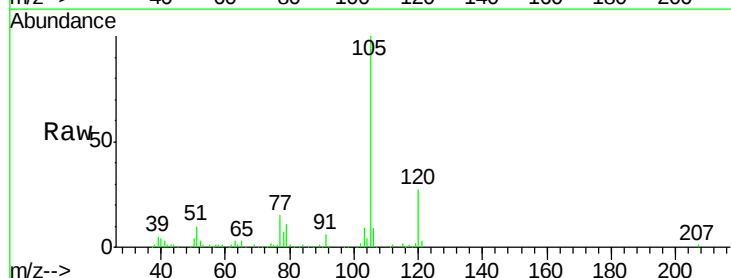
RT: 12.48 min Scan# 1796

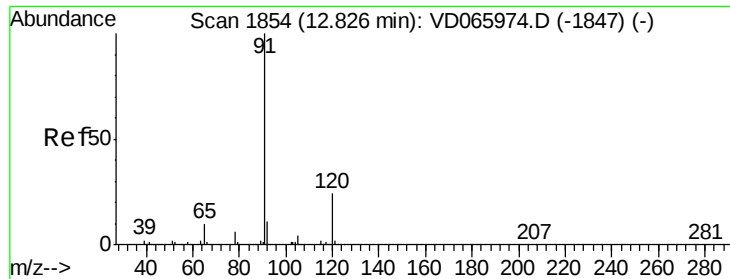
Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Tgt Ion:	105	Resp:	112932
Ion Ratio	Lower	Upper	
105	100		
120	27.4	13.6	40.8





#78

n-propylbenzene

Concen: 24.839 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066005.D

Acq: 22 Jul 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

81-83

Tot Ion: 91 Resp: 449482

Ion Ratio Lower Upper

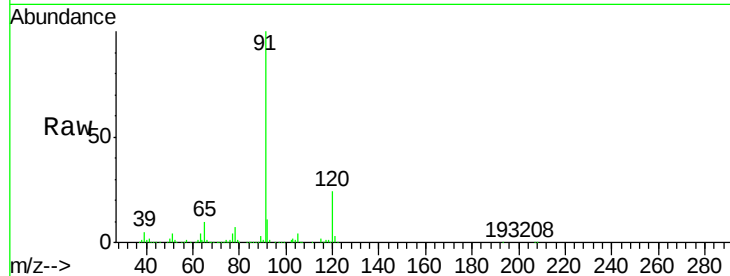
91 100

120 23.8 12.0 36.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD066005.D (-1803) (-)

Ion 120.00 (119.70 to 120.70): VD066005.D (-1803) (-)

12.83

250000

200000

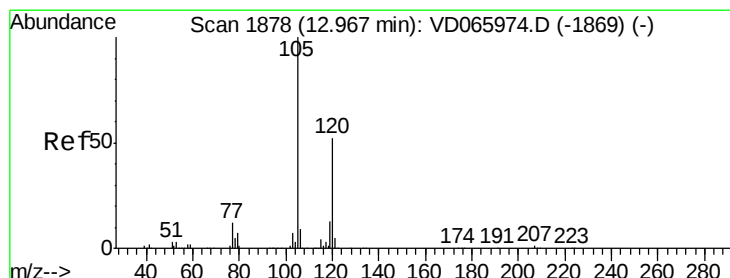
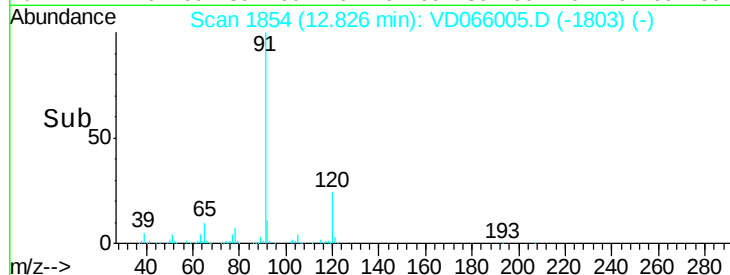
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 32.791 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066005.D

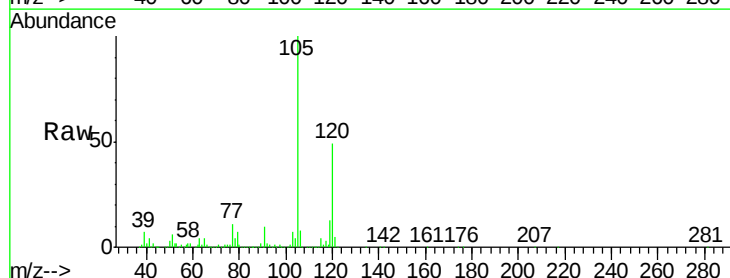
Acq: 22 Jul 2020 16:48

Tgt Ion: 105 Resp: 420117

Ion Ratio Lower Upper

105 100

120 51.0 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066005.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD066005.D (-1827) (-)

12.97

800000

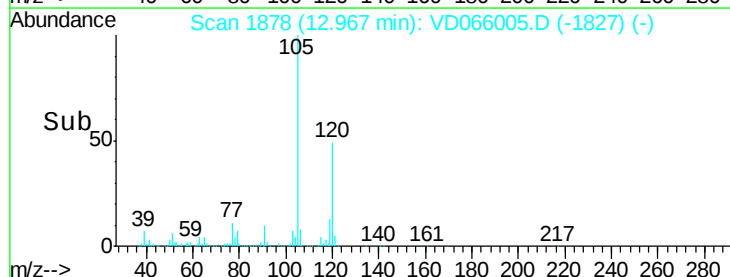
600000

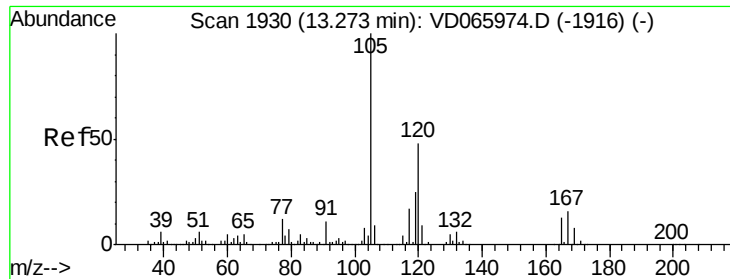
400000

200000

0

Time-->





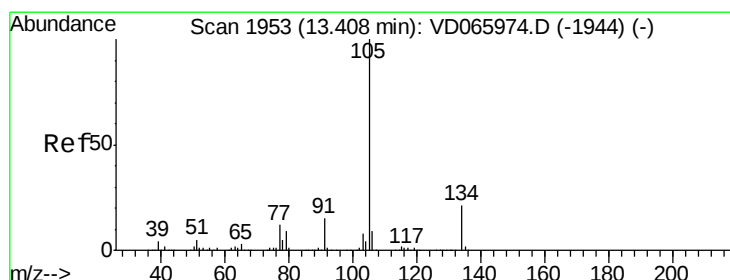
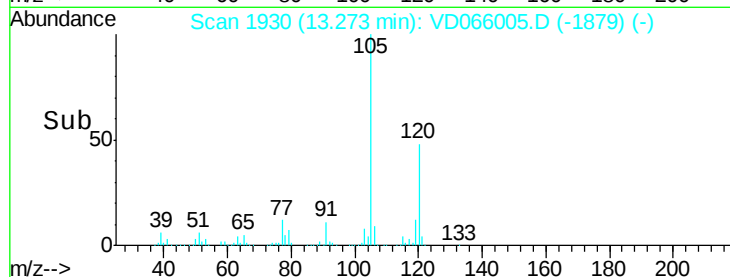
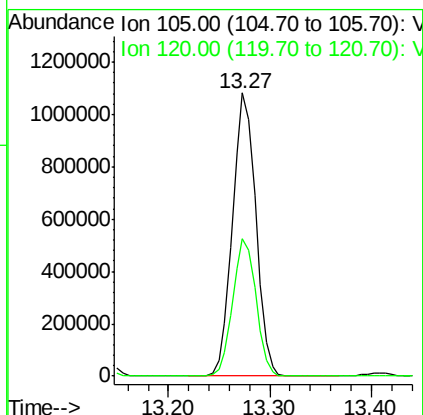
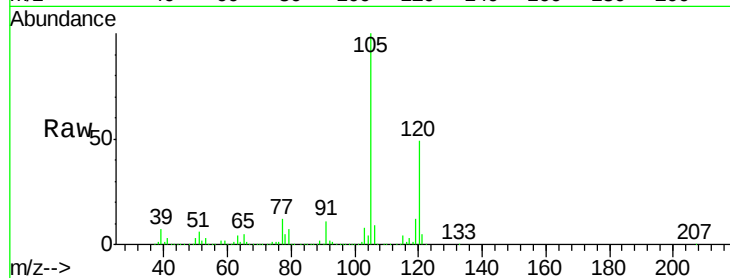
#84
 1,2,4-Trimethylbenzene
 Concen: 137.029 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066005.D
 Acq: 22 Jul 2020 16:48

Instrument :
 MSVOA_D
 ClientSampleId :
 81-83

Tot Ion:105 Resp: 1732055
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.9 71.8

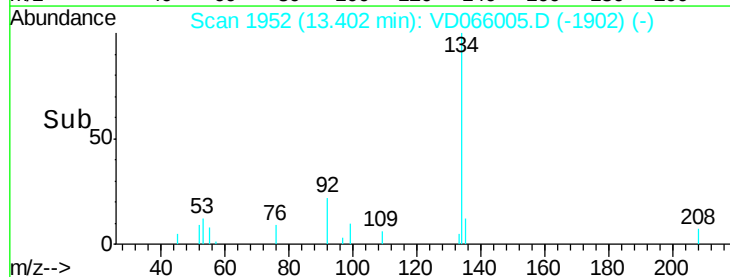
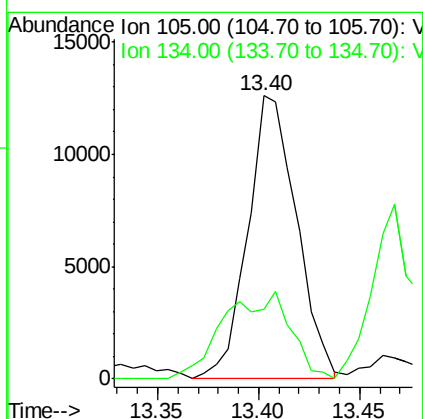
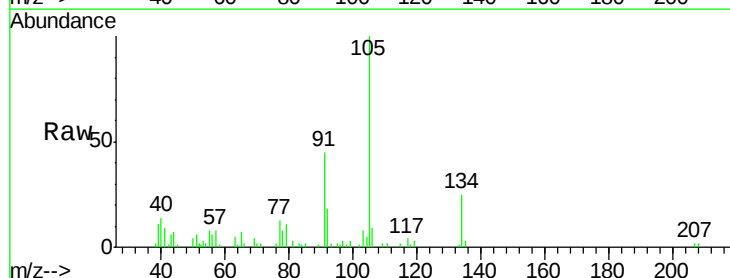
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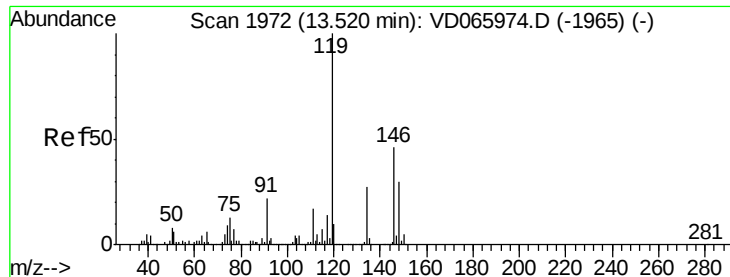
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#85
 sec-Butylbenzene
 Concen: 1.369 ug/l m
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD066005.D
 Acq: 22 Jul 2020 16:48

Tgt Ion:105 Resp: 21148
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#





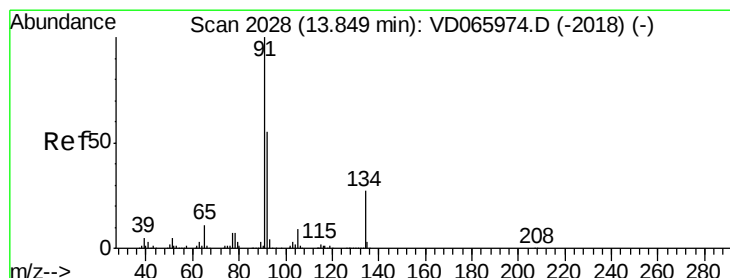
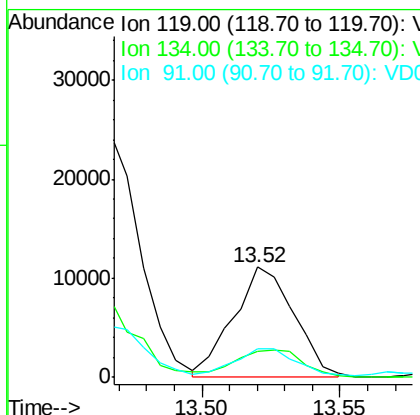
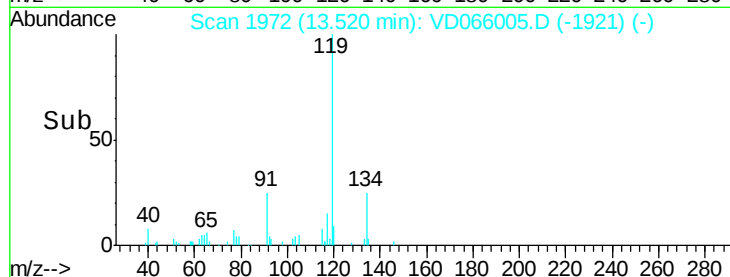
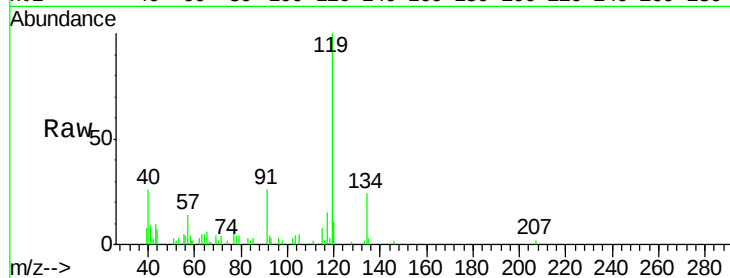
#86
p-Isopropyltoluene
Concen: 1.212 ug/l m
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Instrument :
MSVOA_D
ClientSampled :
81-83

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.4	40.2#
91	0.0	11.1	33.3#

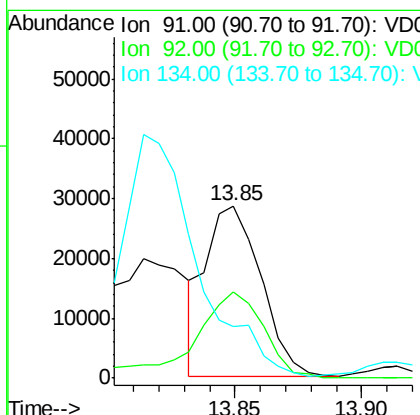
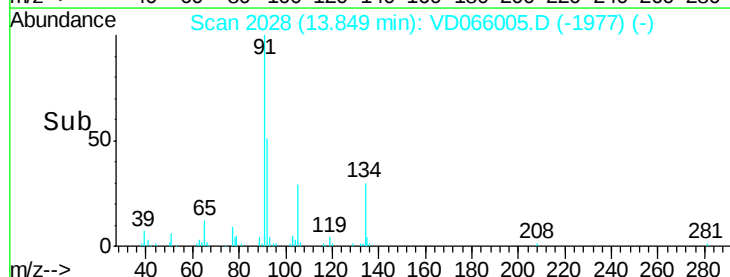
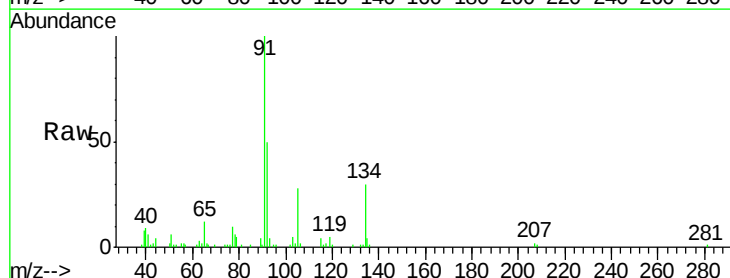
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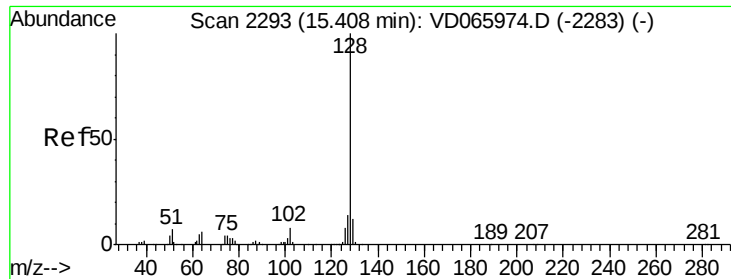
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#89
n-Butylbenzene
Concen: 3.287 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.0	27.2	81.6
134	0.0	13.8	41.4#





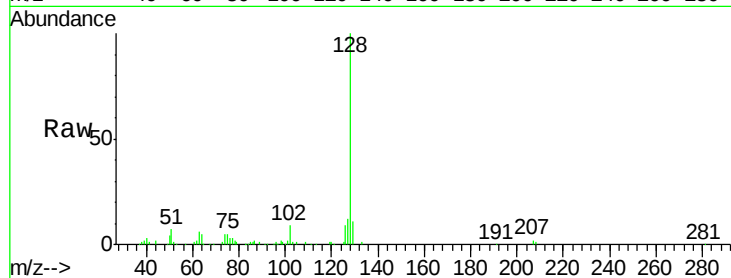
#95
Naphthalene
Concen: 16.602 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066005.D
Acq: 22 Jul 2020 16:48

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.1	10.8	16.2
129	11.5	8.9	13.3

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

