

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066021.D
 Acq On : 23 Jul 2020 13:45
 Operator : VA/SY
 Sample : L3363-01
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 81-83

Manual Integrations
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MMDadoda
 7/24/2020 12:59:51 PM

Quant Time: Jul 24 05:24:15 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	276669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	498329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	133128	59.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.28%	
35) Dibromofluoromethane	7.92	113	151095	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
50) Toluene-d8	10.34	98	594795	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.64	95	229554	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.22	59	8973	40.636	ug/l #	95
16) Acetone	4.16	43	117338	257.501	ug/l	95
25) 2-Butanone	7.21	43	41128	68.019	ug/l	100
39) Methylcyclohexane	9.36	83	16304	3.166	ug/l	96
40) Benzene	8.36	78	57874	4.864	ug/l	96
52) Toluene	10.41	92	1393608	179.602	ug/l	98
67) Ethyl Benzene	11.75	91	1481239	92.995	ug/l	100
68) m/p-Xylenes	11.86	106	2087087	340.910	ug/l	99
69) o-Xylene	12.18	106	901553	161.909	ug/l	99
73) Isopropylbenzene	12.48	105	142534	9.475	ug/l	99
78) n-propylbenzene	12.83	91	566161	32.434	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	521461	42.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2188728	179.507	ug/l	99
85) sec-Butylbenzene	13.41	105	29423m	1.975	ug/l	
86) p-Isopropyltoluene	13.52	119	24954m	1.844	ug/l	
89) n-Butylbenzene	13.85	91	59935	4.763	ug/l #	73
95) Naphthalene	15.41	128	155663	21.865	ug/l	99

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

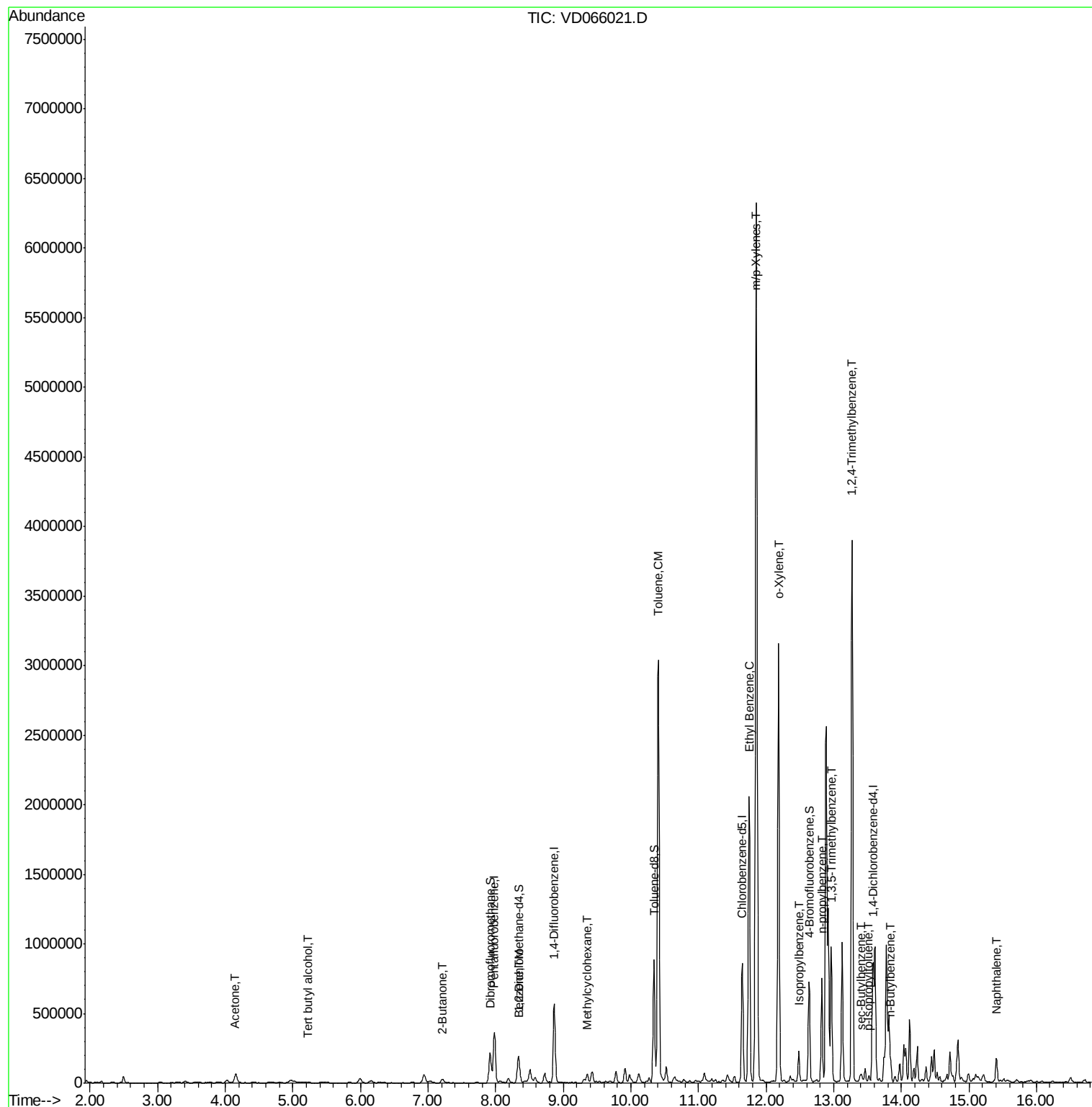
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

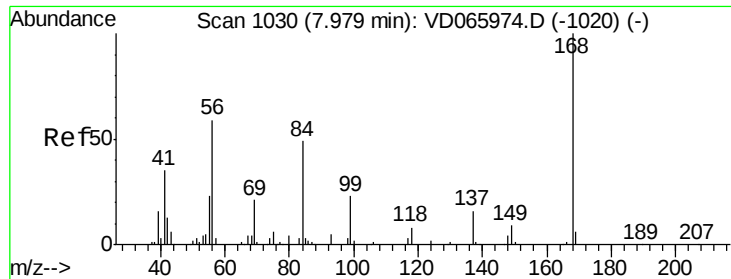
Instrument :
MSVOA_D
ClientSampleId :
81-83

Manual Integrations
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Quant Time: Jul 24 05:24:15 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: VD066021.D

Acq: 23 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

81-83

Tot Ion:168 Resp: 276669

Ion Ratio Lower Upper

168 100

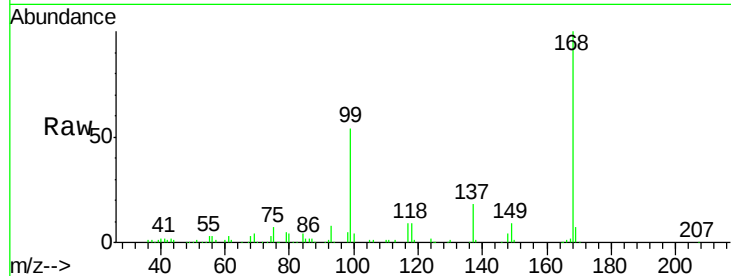
99 54.2 40.8 61.2

Manual Integrations

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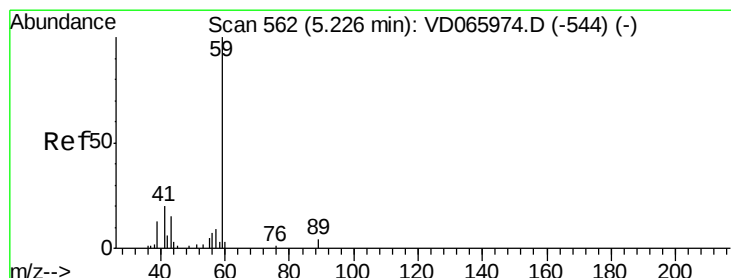
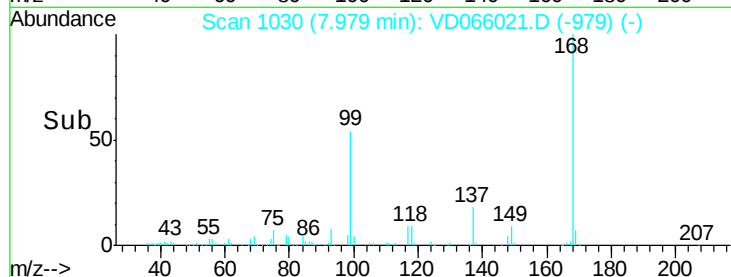
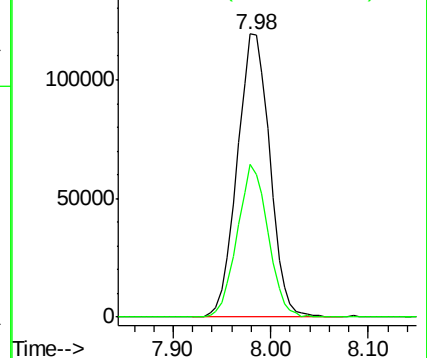
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 40.636 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066021.D

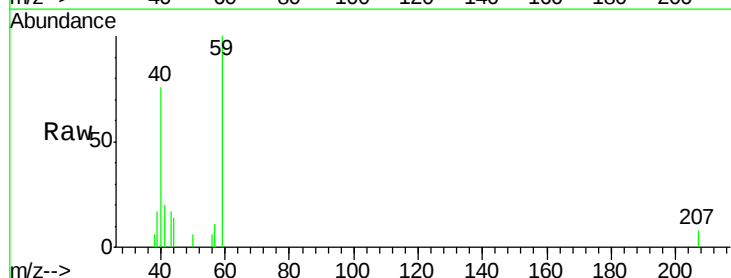
Acq: 23 Jul 2020 13:45

Tgt Ion: 59 Resp: 8973

Ion Ratio Lower Upper

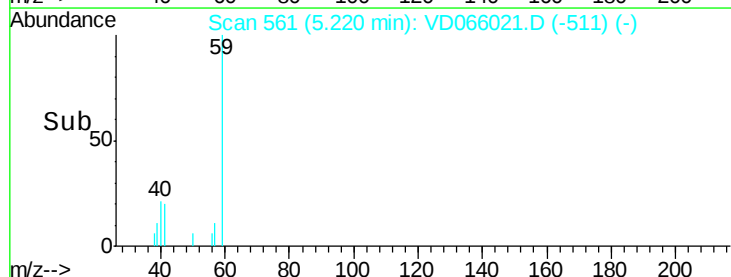
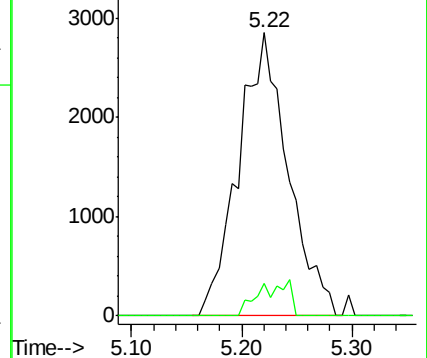
59 100

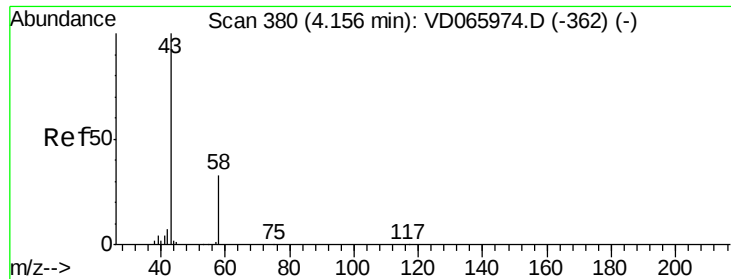
57 4.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





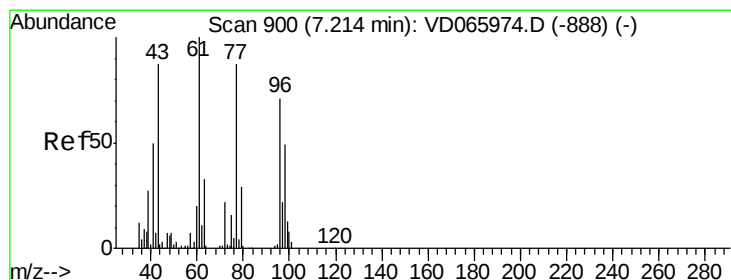
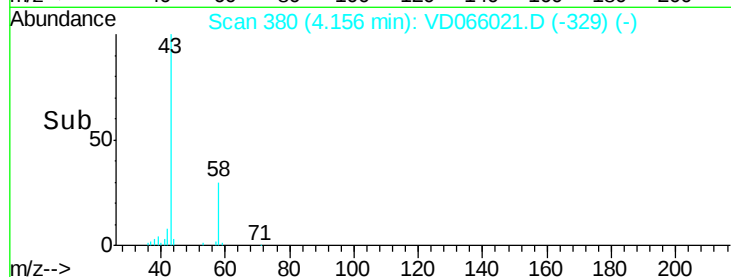
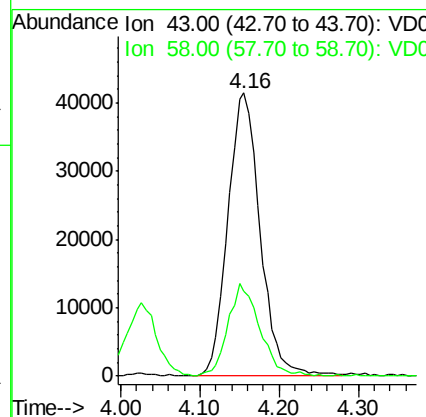
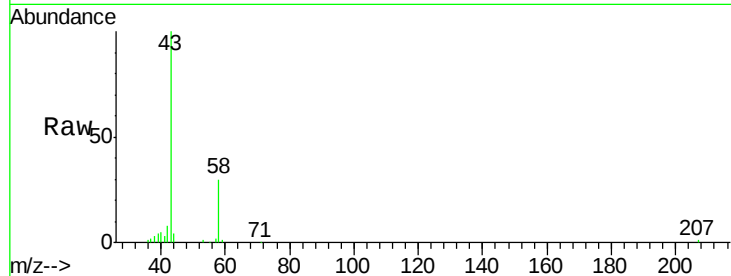
#16
Acetone
Concen: 257.501 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	43	Resp	117338
Ion Ratio	43	100	
Lower	58	30.2	26.3
Upper			39.5

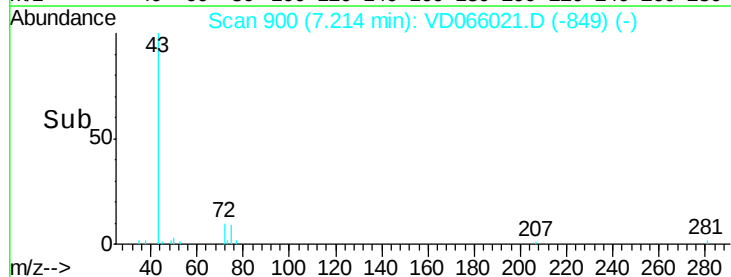
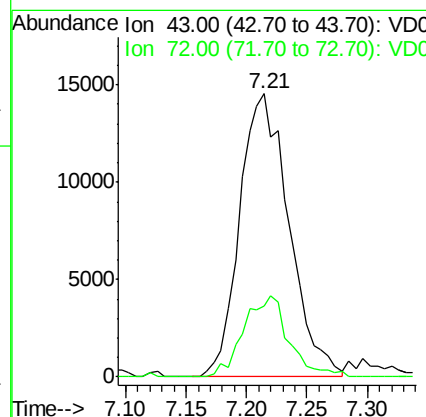
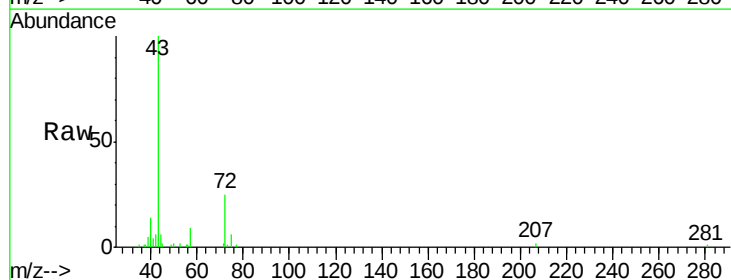
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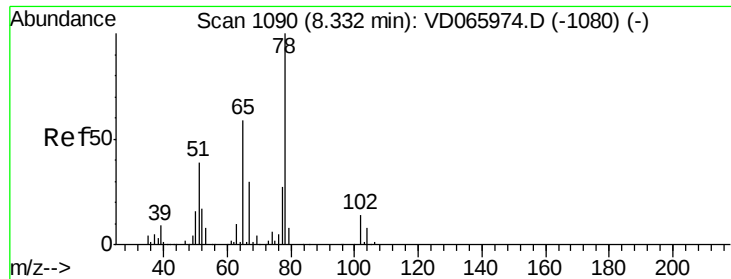
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#25
2-Butanone
Concen: 68.019 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion	43	Resp	41128
Ion Ratio	43	100	
Lower	72	25.0	20.2
Upper			30.2





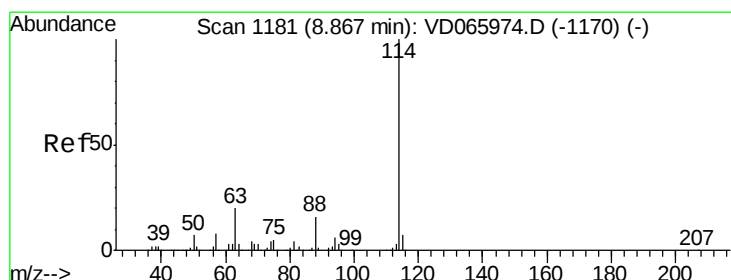
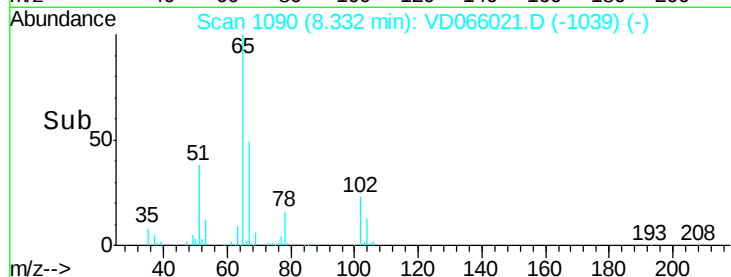
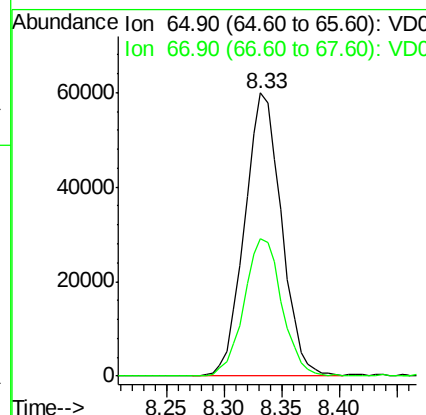
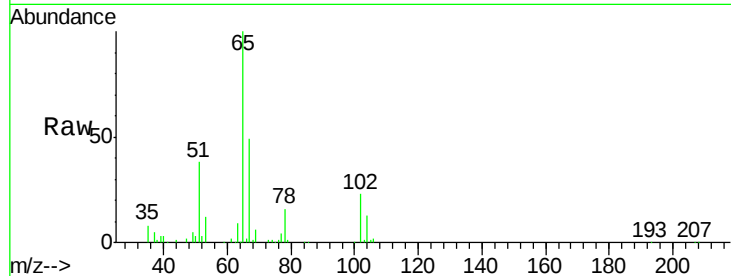
#33
 1,2-Dichloroethane-d4
 Concen: 59.136 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066021.D
 Acq: 23 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 81-83

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133128		
67	49.4	0.0	105.0	

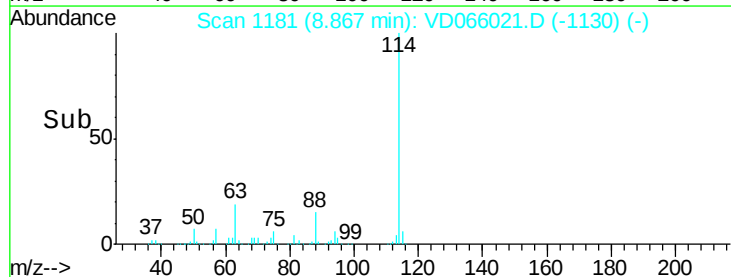
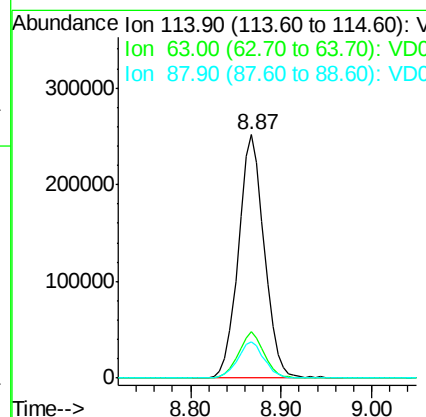
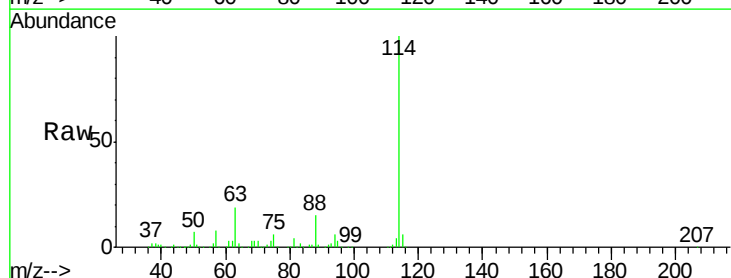
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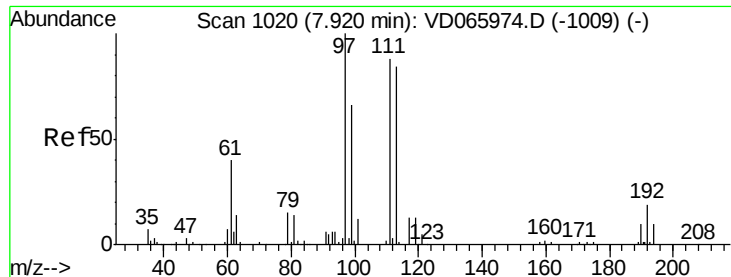
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066021.D
 Acq: 23 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	498329		
63	19.1	0.0	39.6	
88	15.0	0.0	31.2	





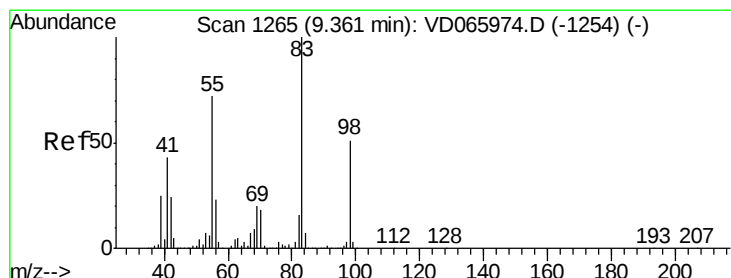
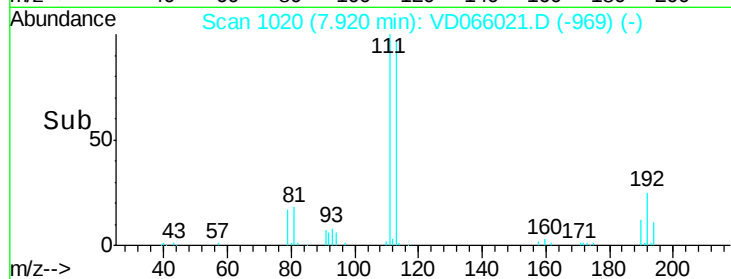
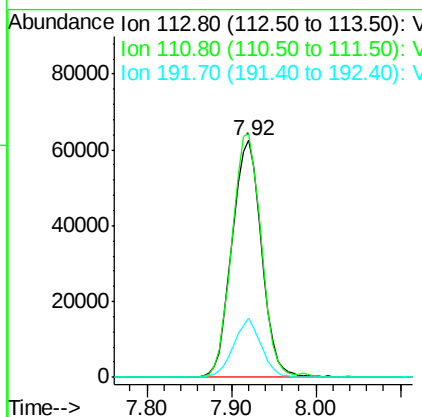
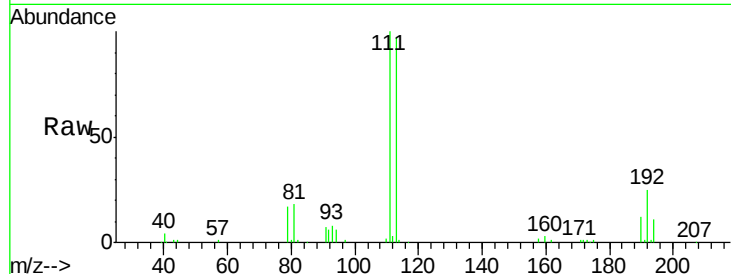
#35
Dibromofluoromethane
Concen: 49.990 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151095		
111	102.4	83.2	124.8	
192	23.0	18.7	28.1	

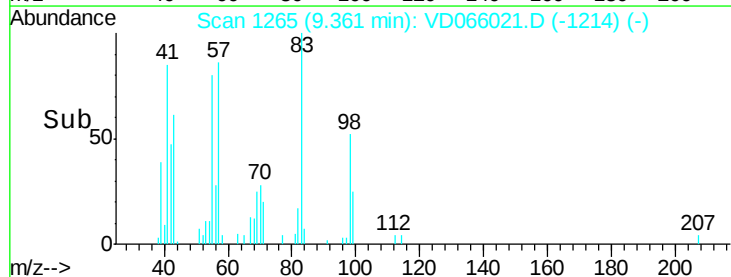
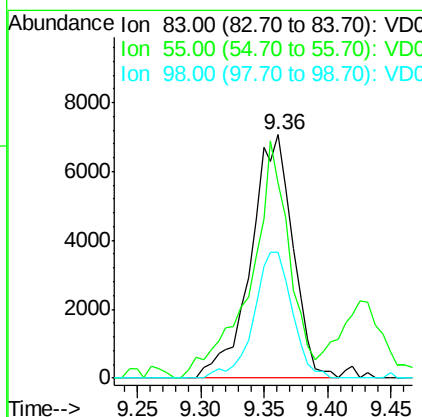
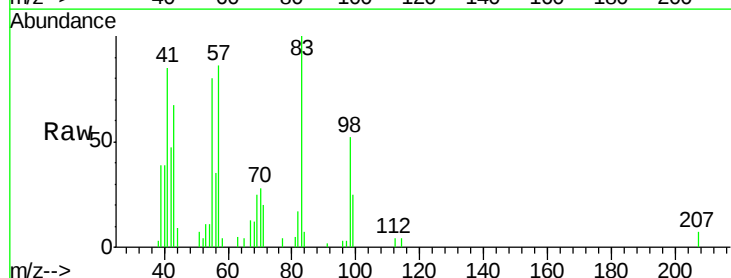
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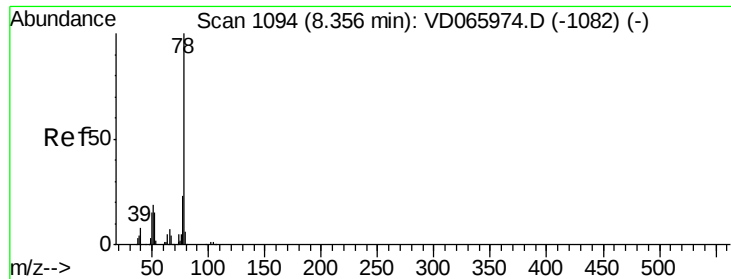
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#39
Methylcyclohexane
Concen: 3.166 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	16304		
55	76.6	57.3	85.9	
98	51.6	41.0	61.6	





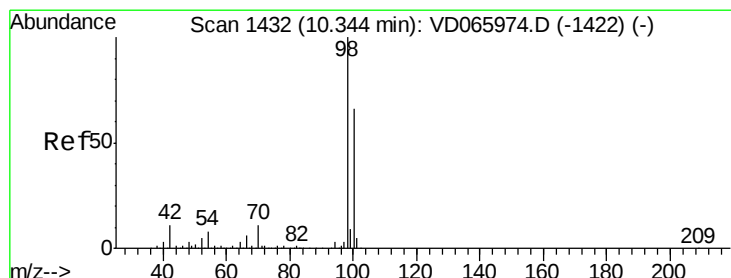
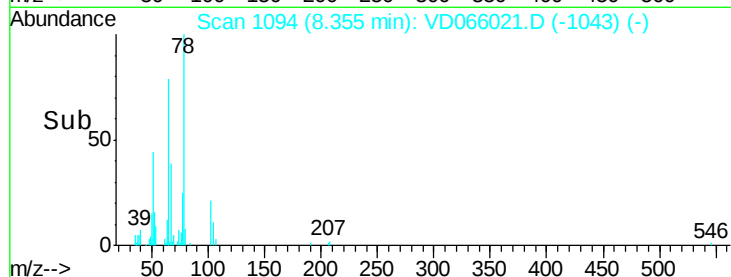
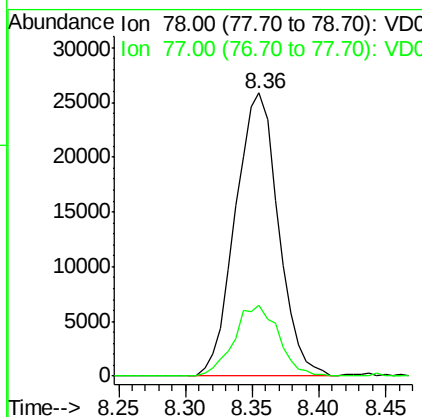
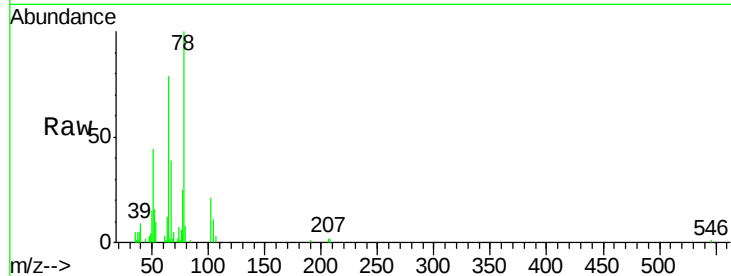
#40
Benzene
Concen: 4.864 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion: 78 Resp: 57874
Ion Ratio Lower Upper
78 100
77 25.1 18.6 27.8

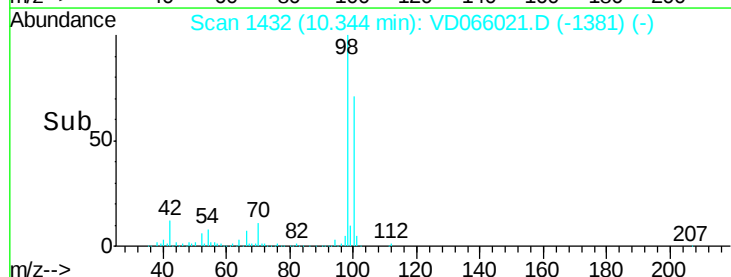
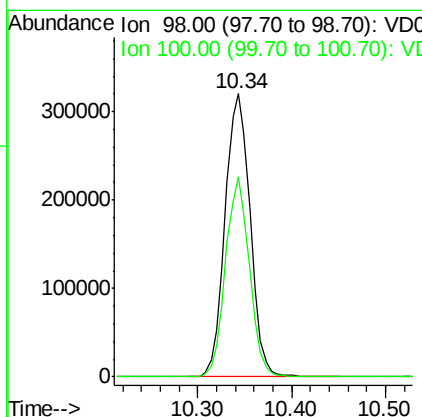
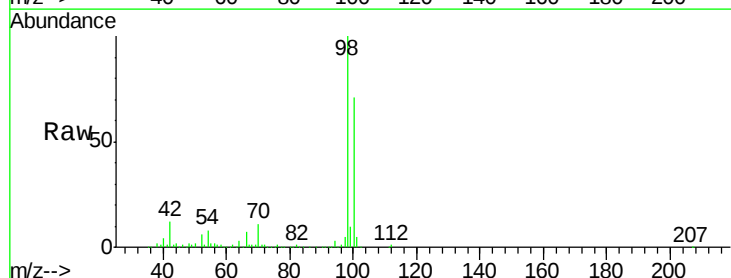
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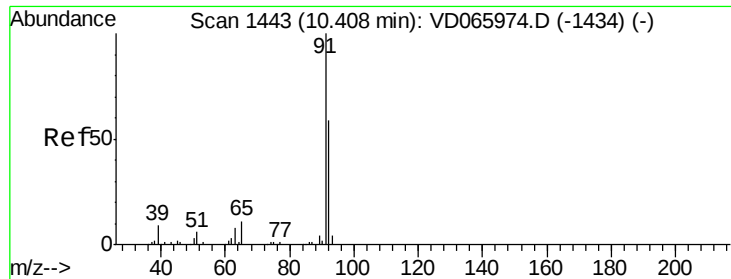
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#50
Toluene-d8
Concen: 52.825 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion: 98 Resp: 594795
Ion Ratio Lower Upper
98 100
100 67.4 52.7 79.1





#52

Toluene

Concen: 179.602 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD066021.D

Acq: 23 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

81-83

Tot Ion: 92 Resp: 1393608

Ion Ratio Lower Upper

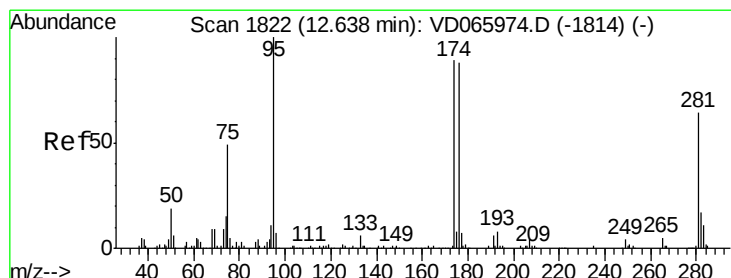
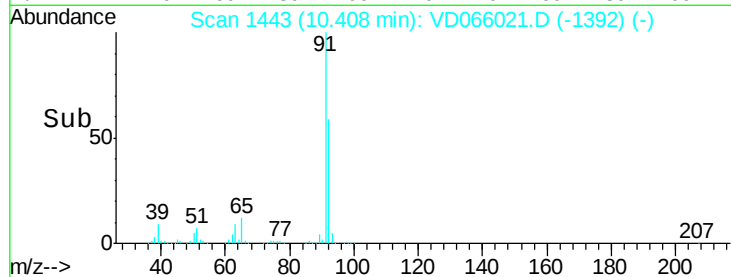
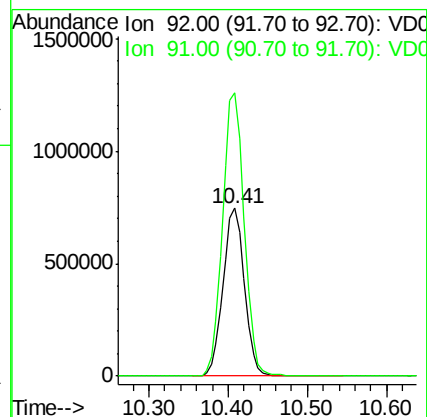
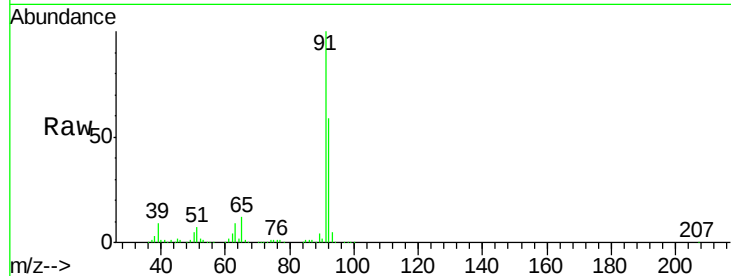
92 100

91 170.5 134.5 201.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 58.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066021.D

Acq: 23 Jul 2020 13:45

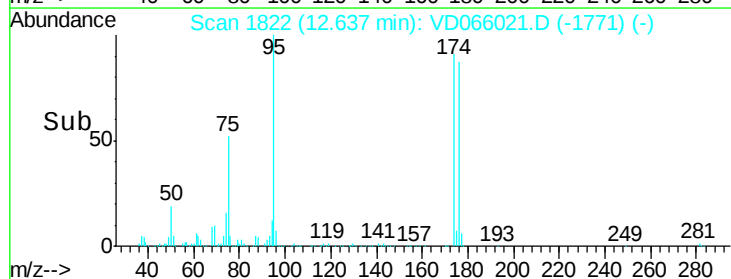
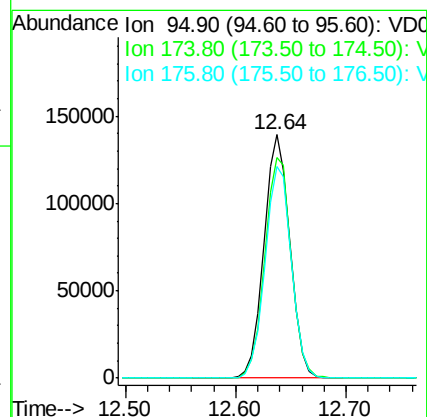
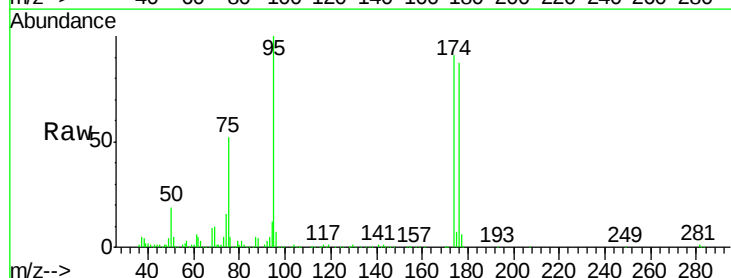
Tgt Ion: 95 Resp: 229554

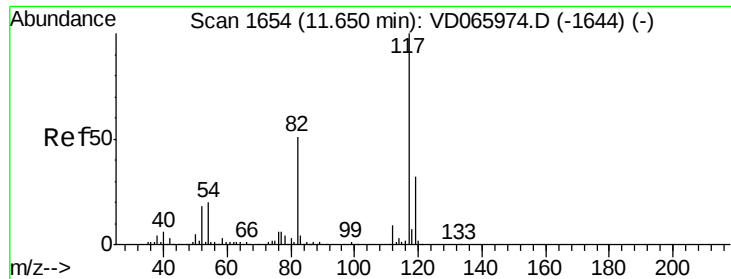
Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.8

176 88.3 0.0 172.6





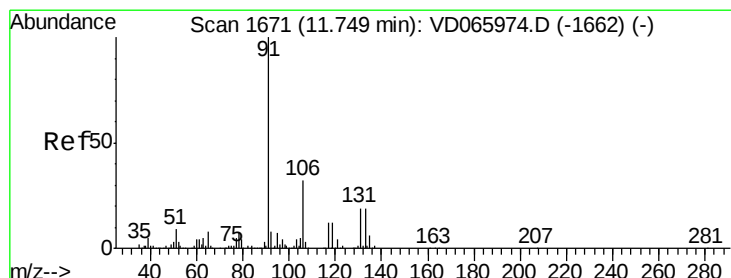
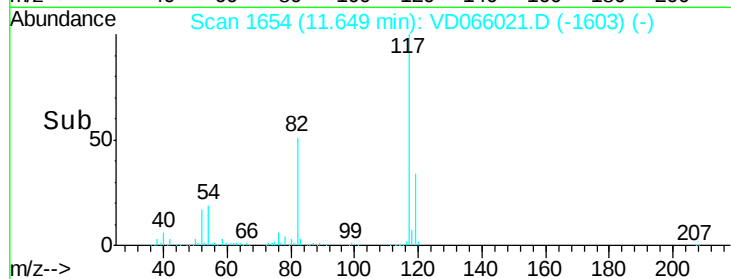
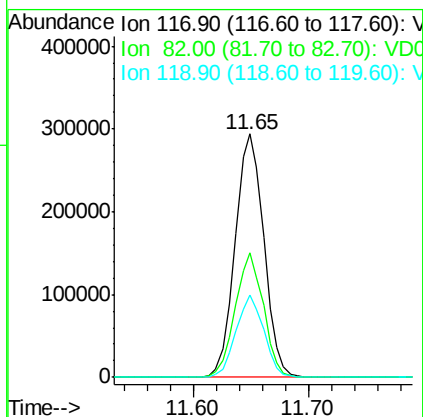
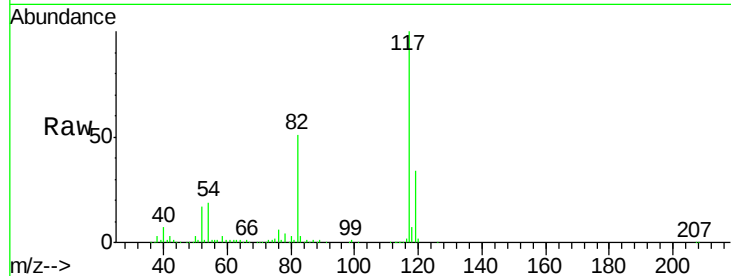
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.1	61.7
119	33.8	25.9	38.9

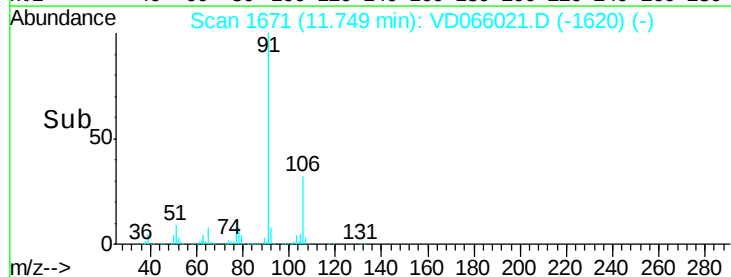
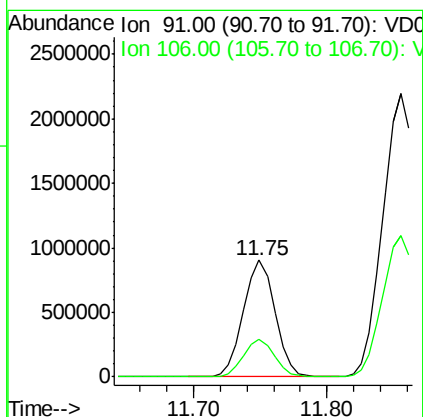
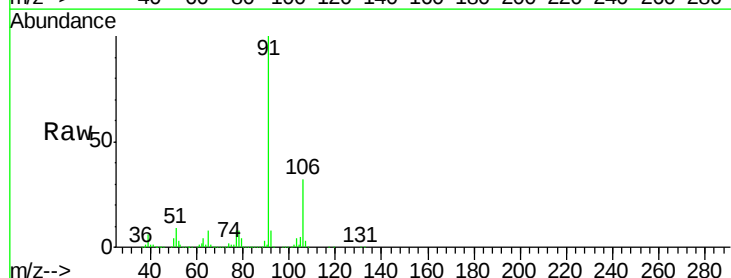
Manual Integrations
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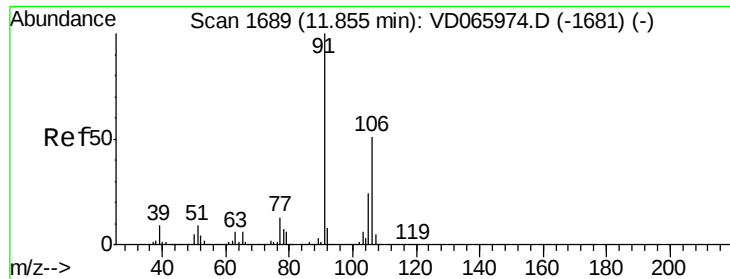
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#67
Ethyl Benzene
Concen: 92.995 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.7	38.5





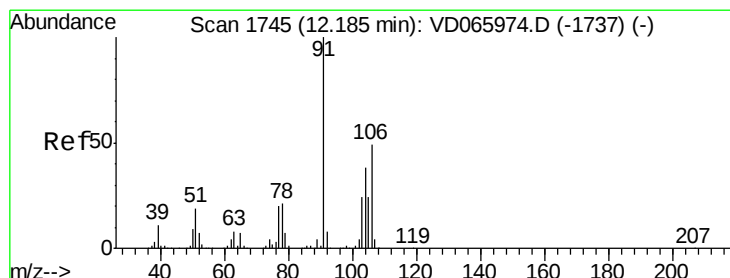
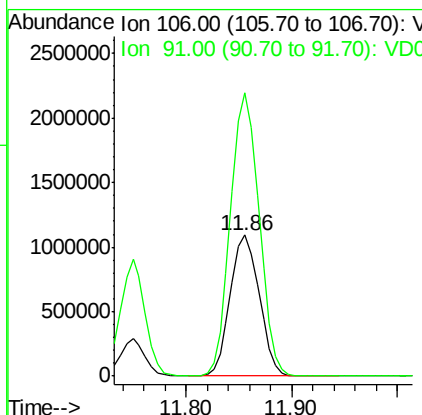
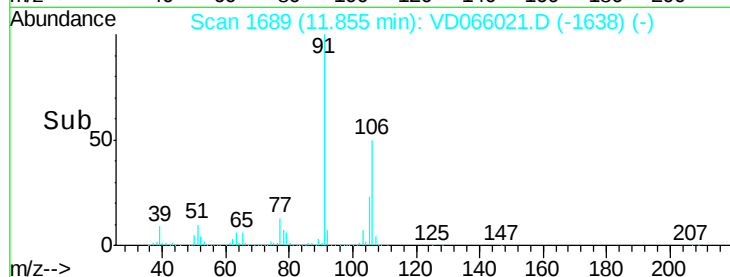
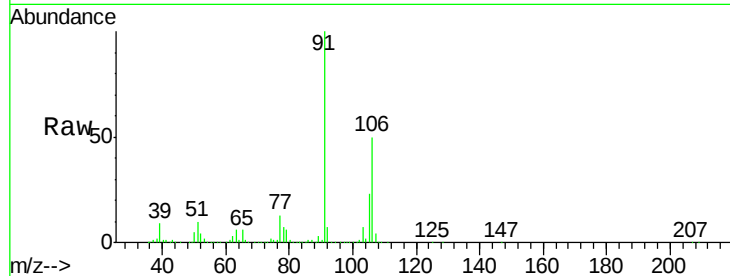
#68
m/p-Xvlenes
Concen: 340.910 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampled :
81-83

Tot Ion:106 Resp: 2087087
Ion Ratio Lower Upper
106 100
91 197.4 157.0 235.6

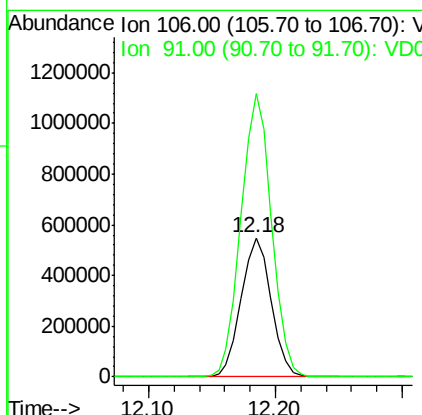
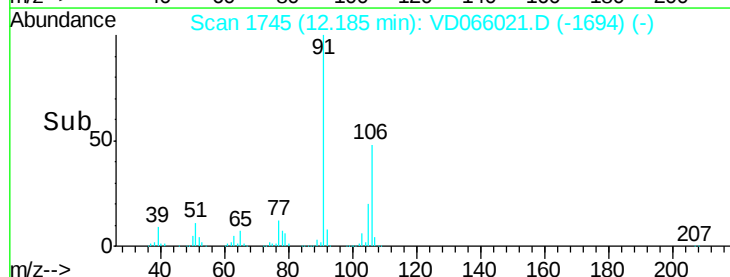
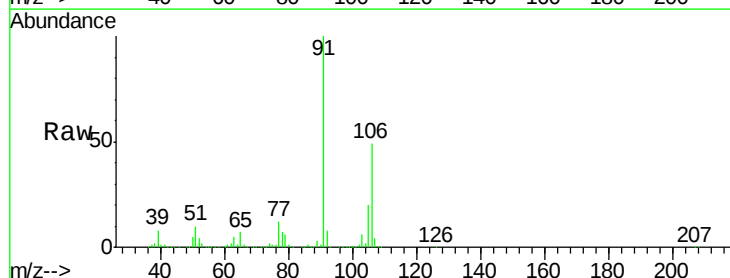
Manual Integrations
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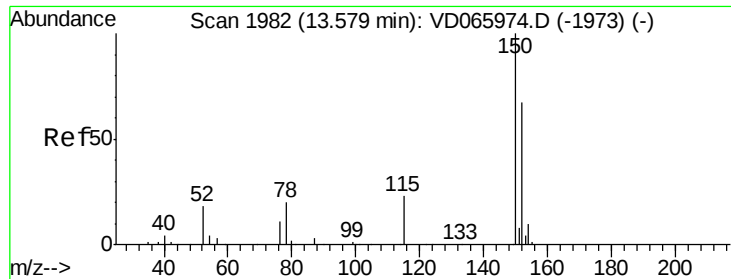
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#69
o-Xylene
Concen: 161.909 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion:106 Resp: 901553
Ion Ratio Lower Upper
106 100
91 207.3 103.1 309.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066021.D

Acq: 23 Jul 2020 13:45

Instrument :

MSVOA_D

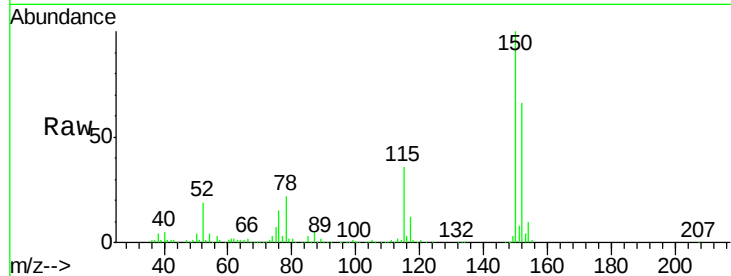
ClientSampleId :

81-83

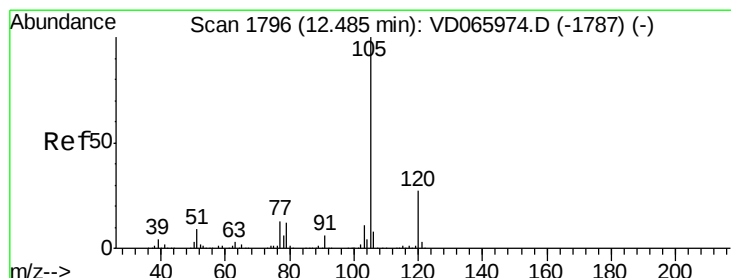
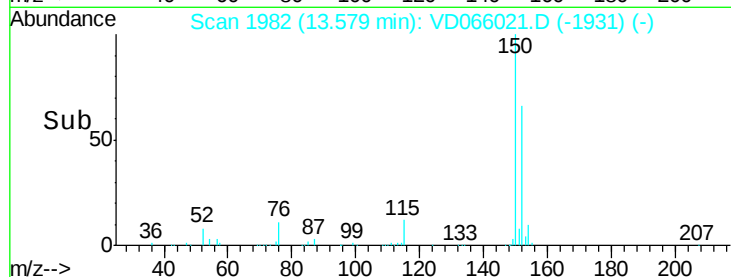
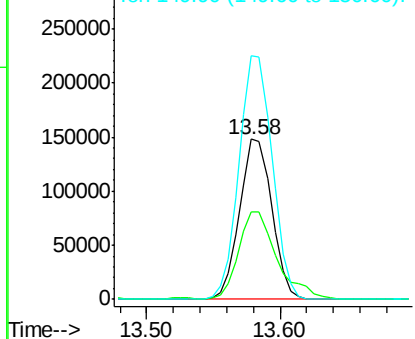
Tot Ion:	152	Resp:	248602
Ion Ratio	Lower	Upper	
152	100		
115	64.2	27.9	83.7
150	155.9	0.0	348.2

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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: 9.475 ug/l

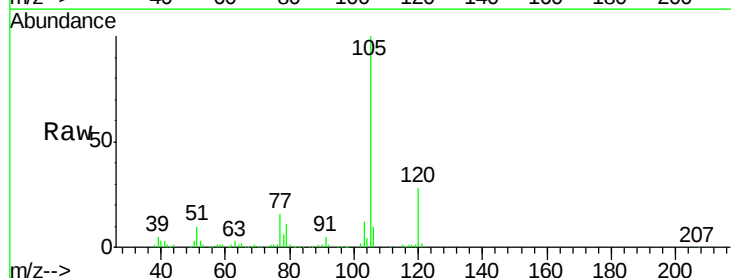
RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

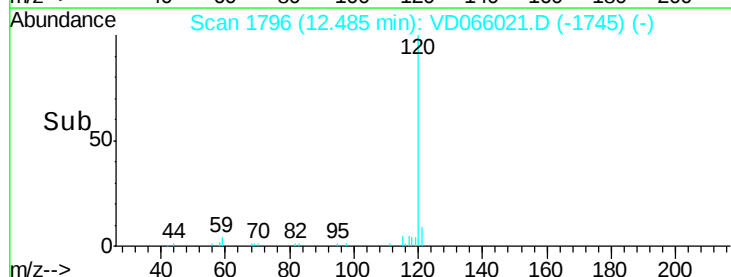
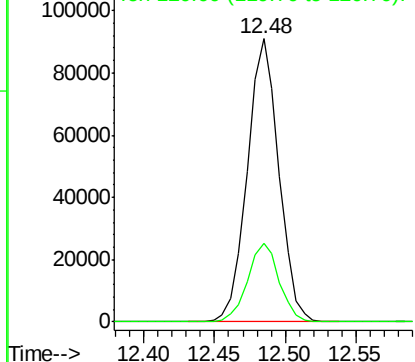
Lab File: VD066021.D

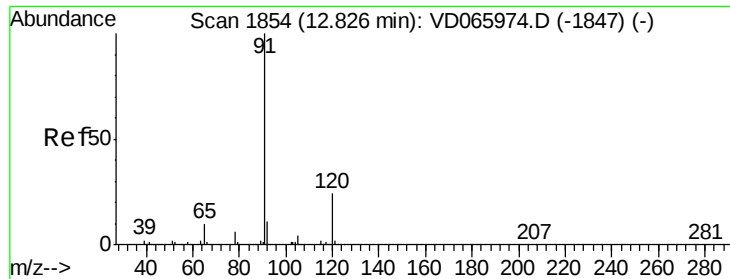
Acq: 23 Jul 2020 13:45

Tgt Ion:	105	Resp:	142534
Ion Ratio	Lower	Upper	
105	100		
120	27.9	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: 32.434 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066021.D

Acq: 23 Jul 2020 13:45

Instrument :

MSVOA_D

ClientSampled :

81-83

Tot Ion: 91 Resp: 566161

Ion Ratio Lower Upper

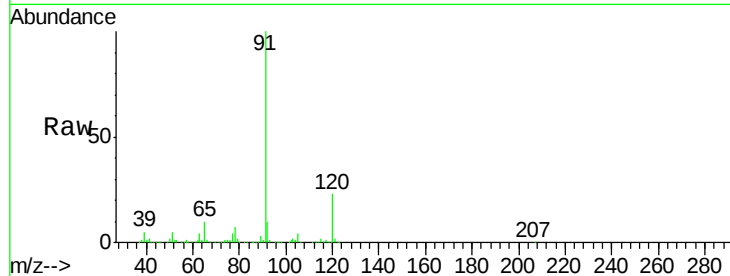
91 100

120 23.9 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.83

400000

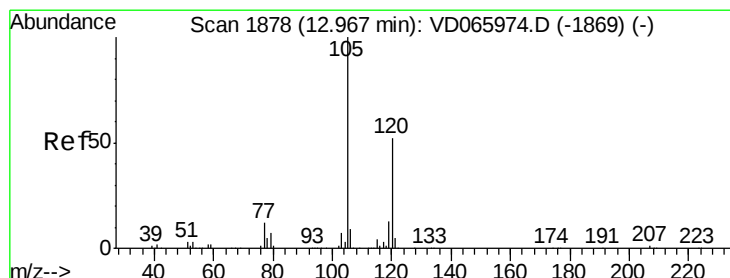
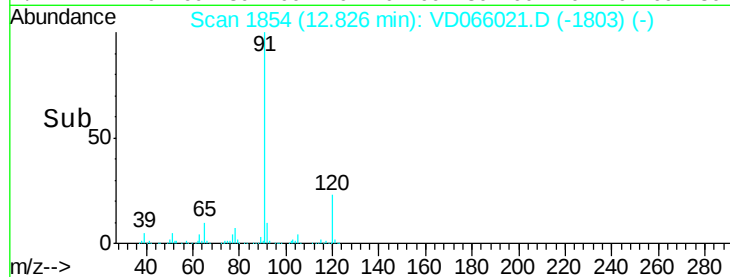
300000

200000

100000

0

Time--> 12.75 12.80 12.85



#80

1,3,5-Trimethylbenzene

Concen: 42.193 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066021.D

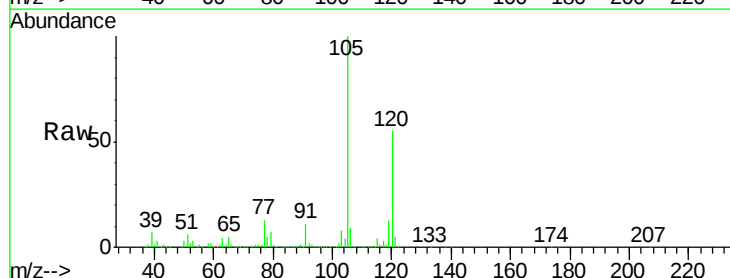
Acq: 23 Jul 2020 13:45

Tgt Ion: 105 Resp: 521461

Ion Ratio Lower Upper

105 100

120 52.2 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

800000

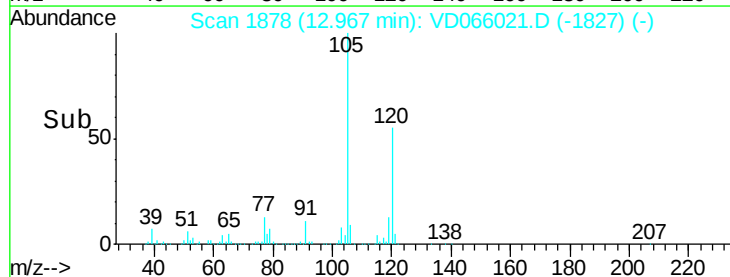
600000

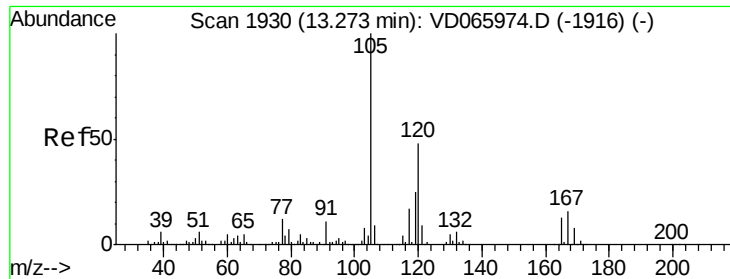
400000

200000

0

Time--> 12.90 12.95 13.00 13.05





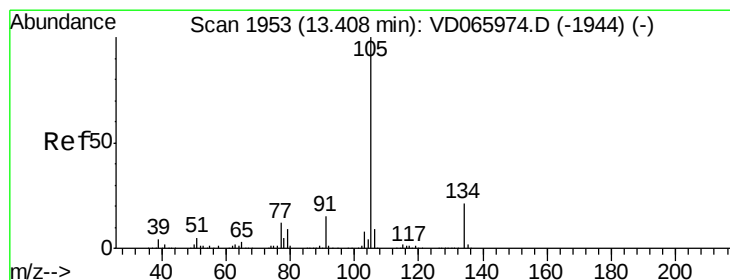
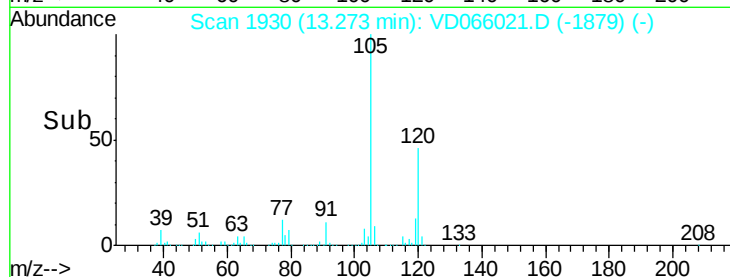
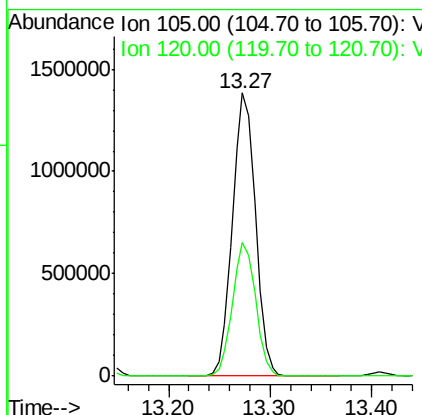
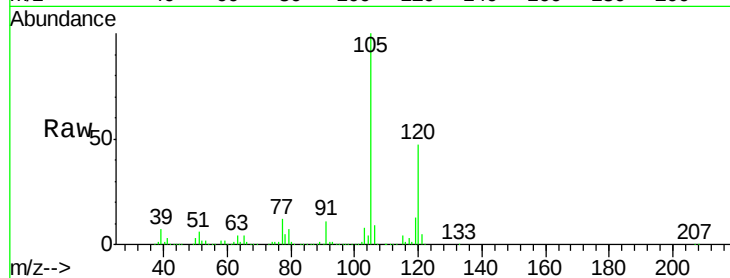
#84
1,2,4-Trimethylbenzene
Concen: 179.507 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion:105 Resp: 2188728
Ion Ratio Lower Upper
105 100
120 47.4 23.9 71.8

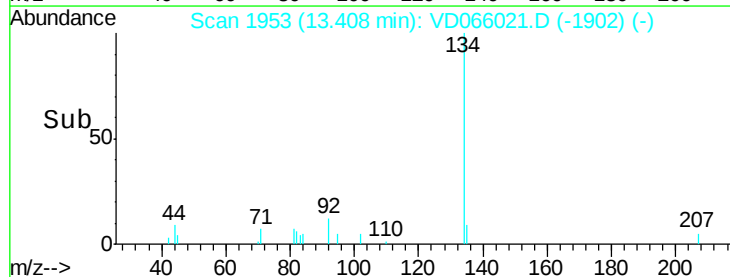
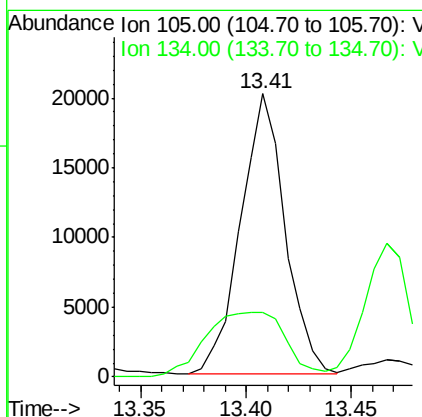
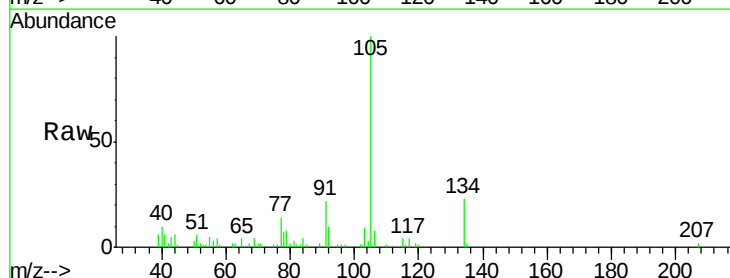
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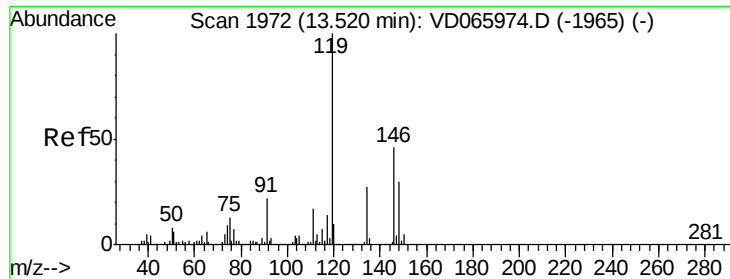
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#85
sec-Butylbenzene
Concen: 1.975 ug/l m
RT: 13.41 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Tgt Ion:105 Resp: 29423
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.4#





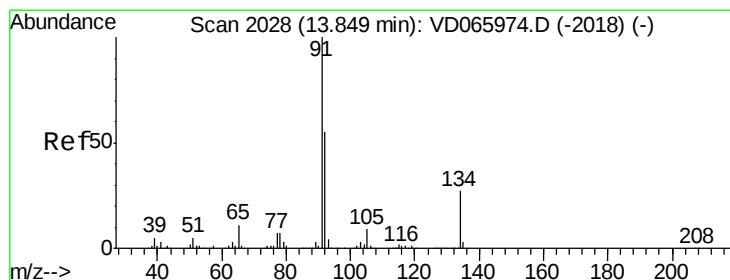
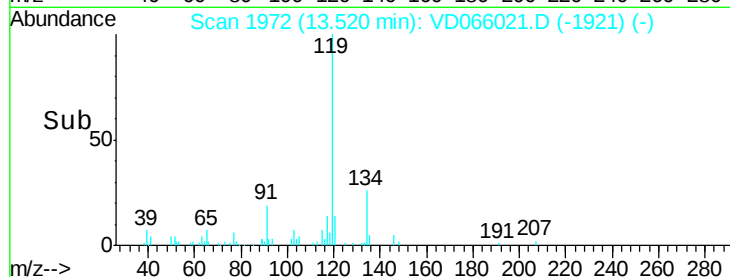
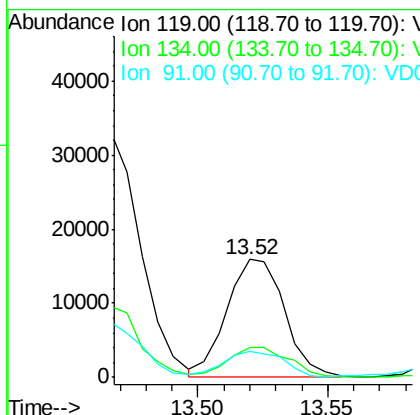
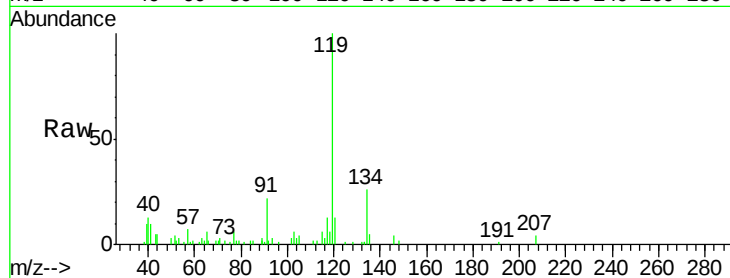
#86
 p-Isopropyltoluene
 Concen: 1.844 ug/l m
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066021.D
 Acq: 23 Jul 2020 13:45

Instrument :
 MSVOA_D
 ClientSampled :
 81-83

Tot Ion	Ratio	Lower	Upper
119	100		
134	57.2	13.4	40.2#
91	45.2	11.1	33.3#

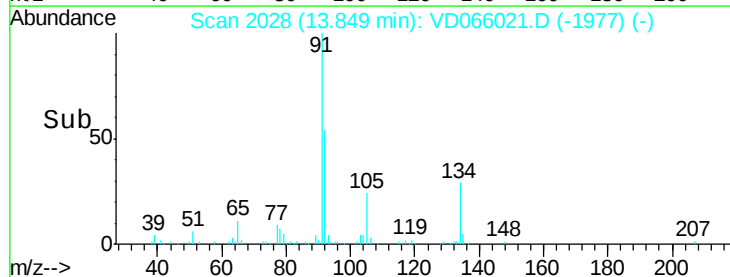
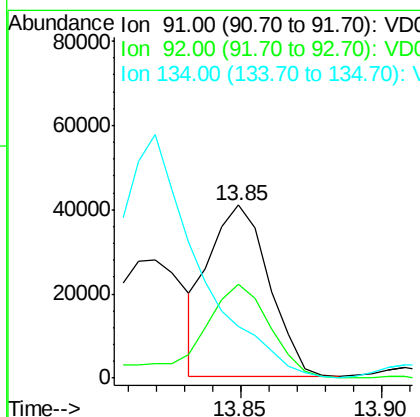
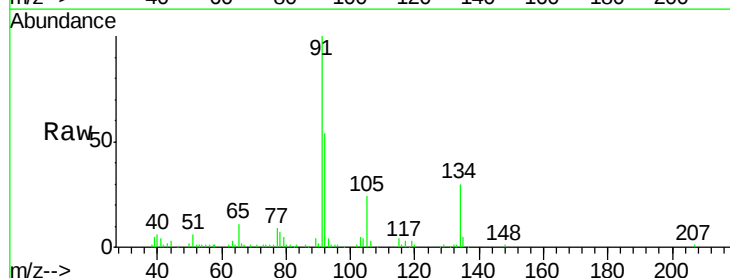
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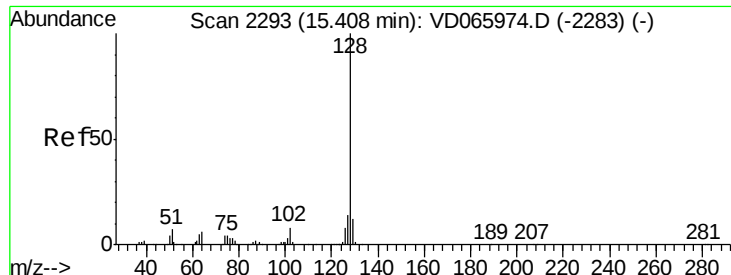
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#89
 n-Butylbenzene
 Concen: 4.763 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VD066021.D
 Acq: 23 Jul 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.8	27.2	81.6
134	0.0	13.8	41.4#





#95
Naphthalene
Concen: 21.865 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066021.D
Acq: 23 Jul 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
81-83

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.9	8.9	13.3

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