

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066173.D
 Acq On : 10 Aug 2020 19:17
 Operator : VA/SY
 Sample : L3538-01
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

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 8/11/2020 3:19:29 PM

Quant Time: Aug 11 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	204108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	389795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	298384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215367	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	104649	57.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.94%	
35) Dibromofluoromethane	7.91	113	121674	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	10.34	98	136696	149.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	299.96%	
62) 4-Bromofluorobenzene	12.63	95	596197	181.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	363.02%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	88227	255.351	ug/l #	87
17) Carbon Disulfide	4.40	76	18252	3.176	ug/l	96
25) 2-Butanone	7.21	43	34030	66.964	ug/l #	77
31) Cyclohexane	7.98	56	2926729	917.411	ug/l	96
39) Methylcyclohexane	9.36	83	11131569	2513.988	ug/l	94
40) Benzene	8.35	78	963489	94.821	ug/l	100
52) Toluene	10.40	92	241111	36.061	ug/l	94
67) Ethyl Benzene	11.75	91	16430235	1565.271	ug/l #	85
68) m/p-Xylenes	11.86	106	12168495	2992.107	ug/l	80
69) o-Xylene	12.18	106	232204	62.766	ug/l	60
73) Isopropylbenzene	12.48	105	6168696	429.090	ug/l	100
78) n-propylbenzene	12.83	91	13345239	798.573	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	8326879	692.580	ug/l	100
83) tert-Butylbenzene	13.23	119	173484m	16.407	ug/l	
84) 1,2,4-Trimethylbenzene	13.27	105	23597783m	1961.216	ug/l	
85) sec-Butylbenzene	13.41	105	6672937	467.439	ug/l	86
86) p-Isopropyltoluene	13.53	119	3794660	283.413	ug/l	95
89) n-Butylbenzene	13.86	91	5965276m	497.266	ug/l	
95) Naphthalene	15.41	128	2847269	385.486	ug/l	99

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

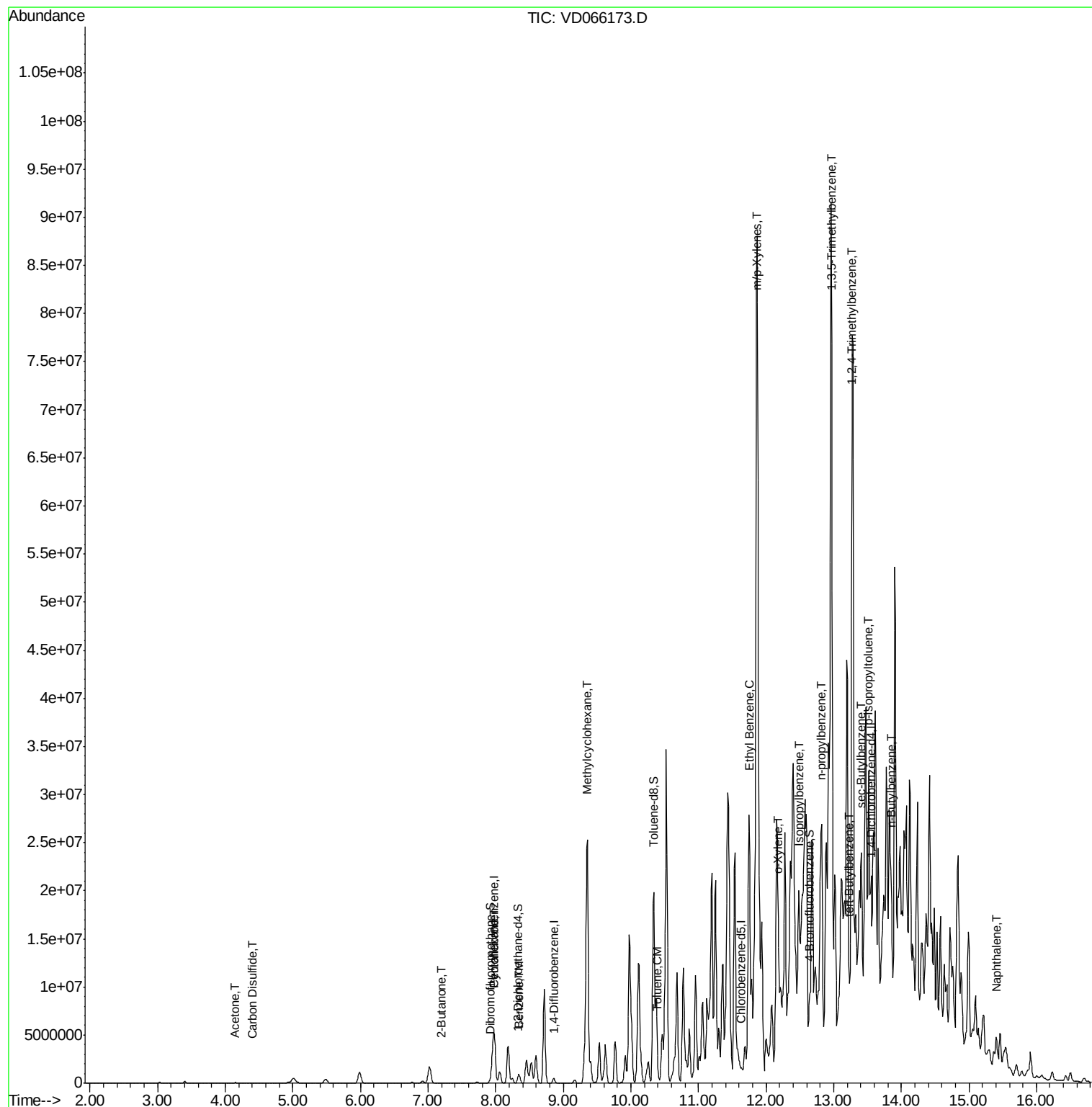
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081020\
Data File : VD066173.D
Acq On : 10 Aug 2020 19:17
Operator : VA/SY
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Misc : 5.05G/5.00ml/MSVOA D/SOIL
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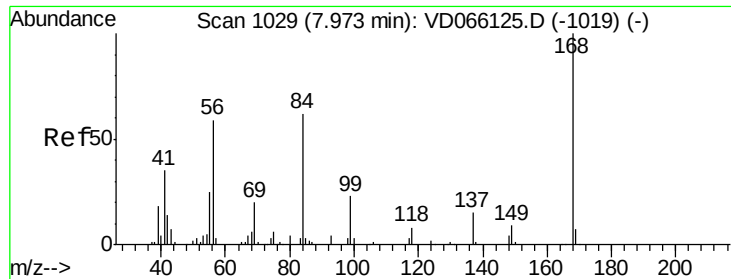
Instrument :
MSVOA_D
ClientSampleId :
WASTE

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Quant Time: Aug 11 06:00:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

Instrument :

MSVOA_D

ClientSampled :

WASTE

Tot Ion:168 Resp: 204108

Ion Ratio Lower Upper

168 100

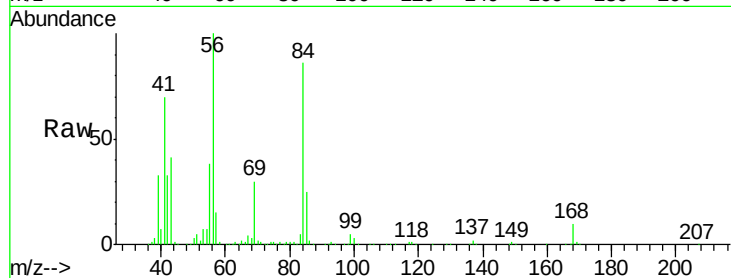
99 56.1 42.2 63.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

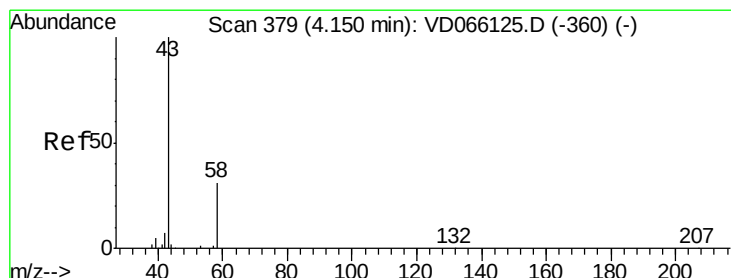
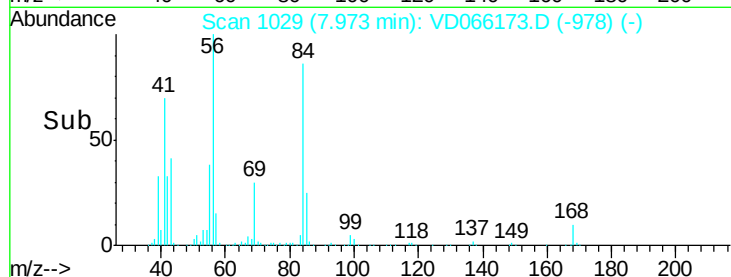
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 255.351 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066173.D

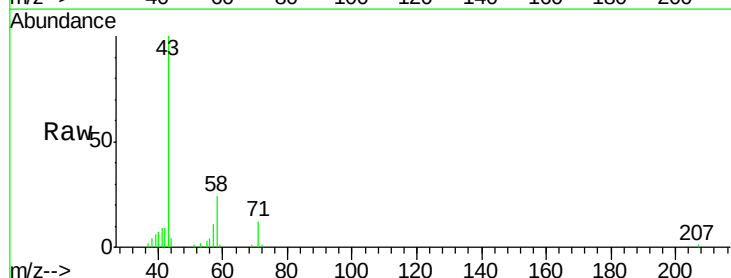
Acq: 10 Aug 2020 19:17

Tgt Ion: 43 Resp: 88227

Ion Ratio Lower Upper

43 100

58 23.5 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

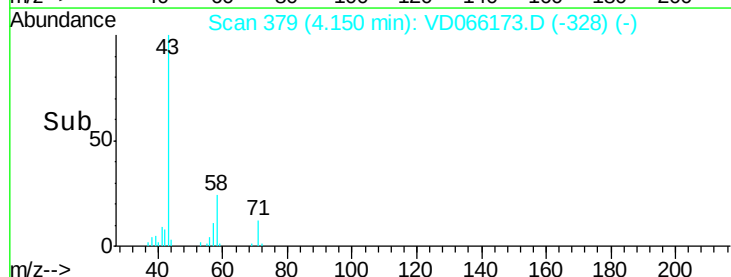
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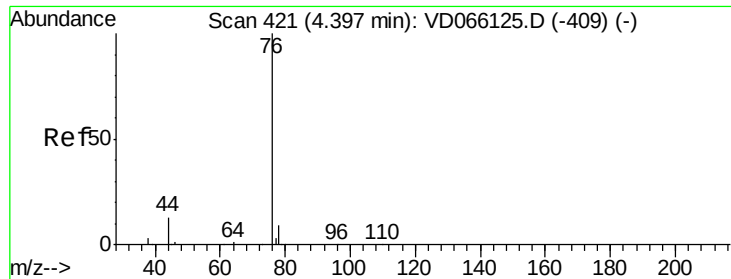
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 3.176 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

Instrument :

MSVOA_D

ClientSampleId :

WASTE

Tot Ion: 76 Resp: 18252

Ion Ratio Lower Upper

76 100

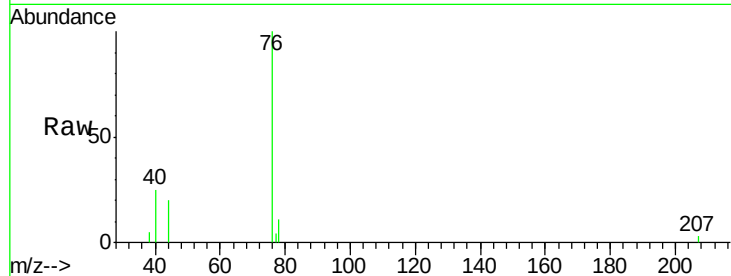
78 11.0 7.5 11.3

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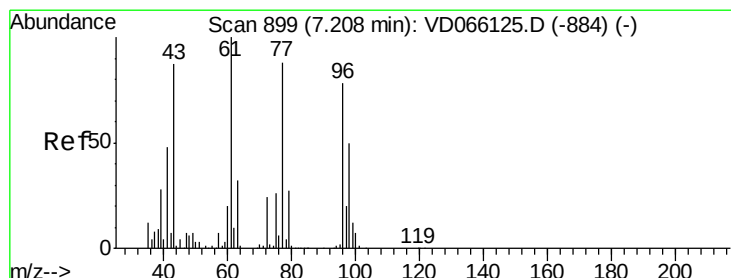
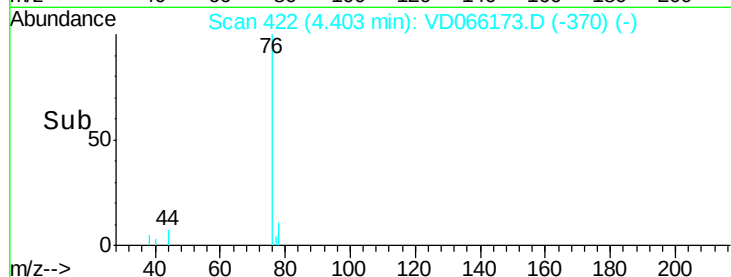
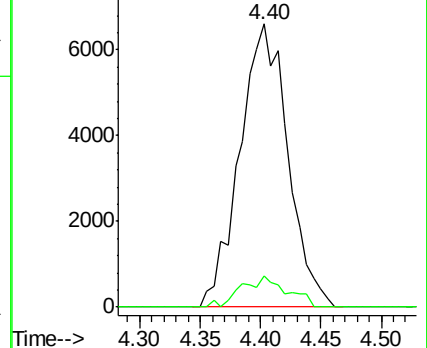
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 66.964 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066173.D

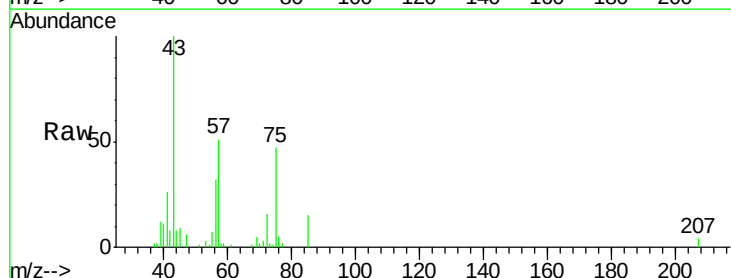
Acq: 10 Aug 2020 19:17

Tgt Ion: 43 Resp: 34030

Ion Ratio Lower Upper

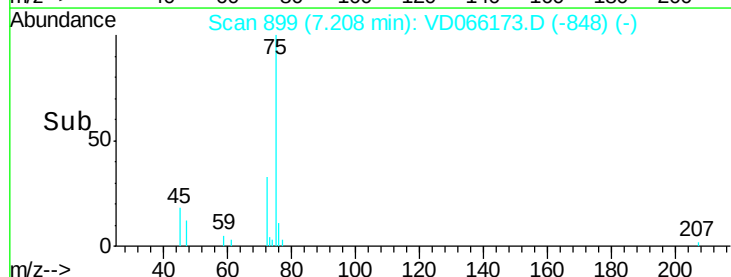
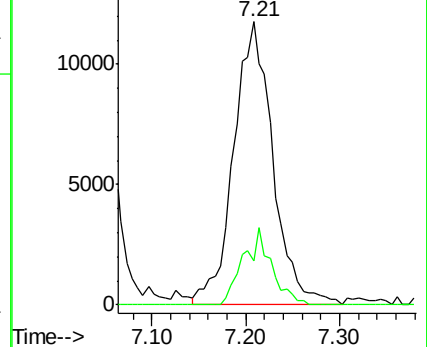
43 100

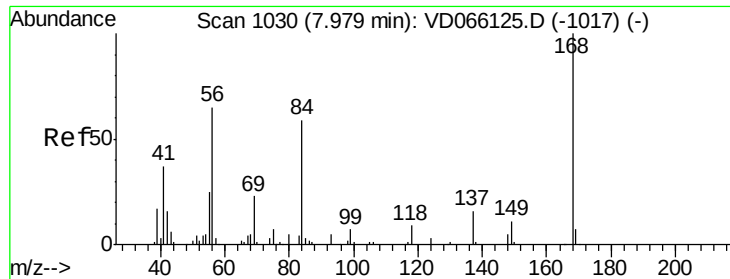
72 15.6 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





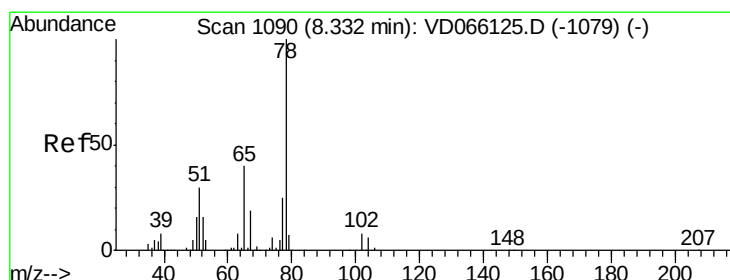
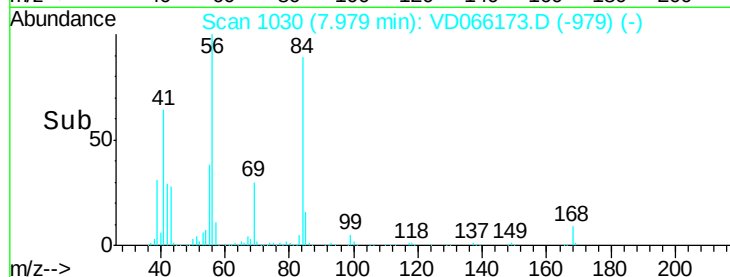
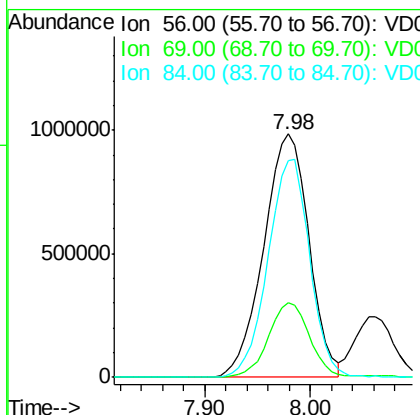
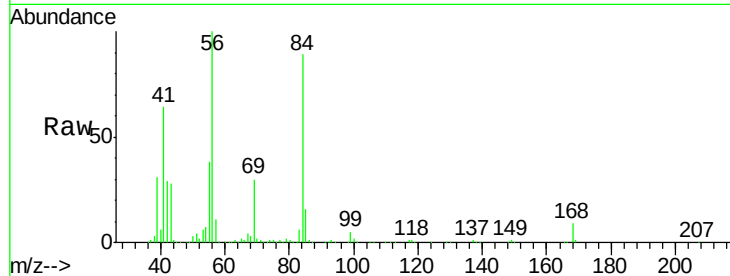
#31
Cyclohexane
Concen: 917.411 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
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ClientSampleId :
WASTE

Tot Ion: 56 Resp: 2926729
Ion Ratio Lower Upper
56 100
69 30.3 28.8 43.2
84 89.1 73.0 109.6

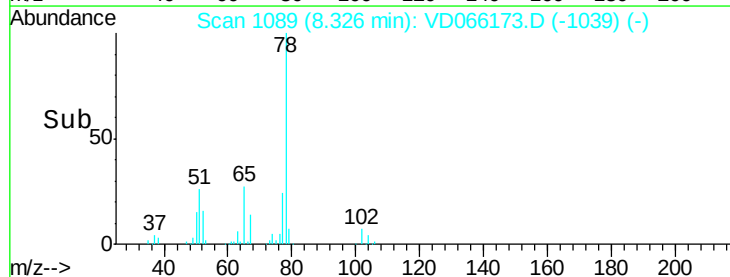
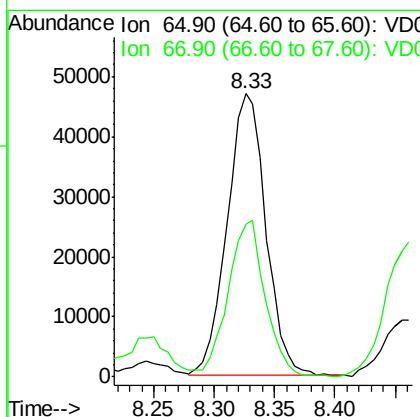
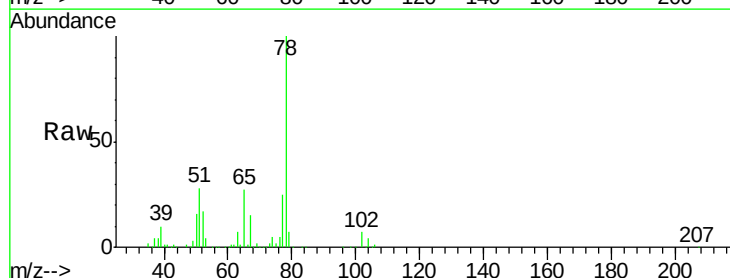
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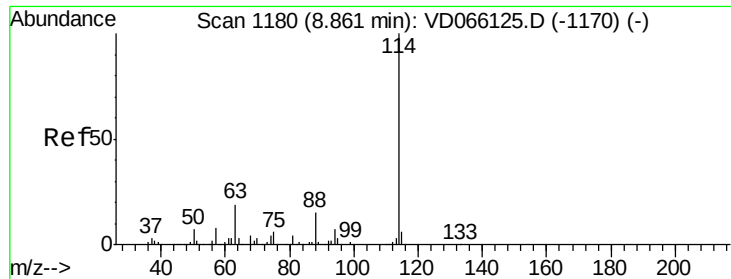
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#33
1,2-Dichloroethane-d4
Concen: 57.469 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion: 65 Resp: 104649
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

Instrument :

MSVOA_D

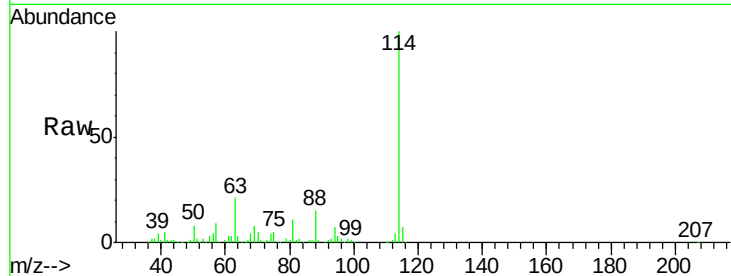
ClientSampleId :

WASTE

Tot Ion:	114	Resp:	389795
Ion Ratio		Lower	Upper
114	100		
63	20.6	0.0	38.6
88	15.1	0.0	30.0

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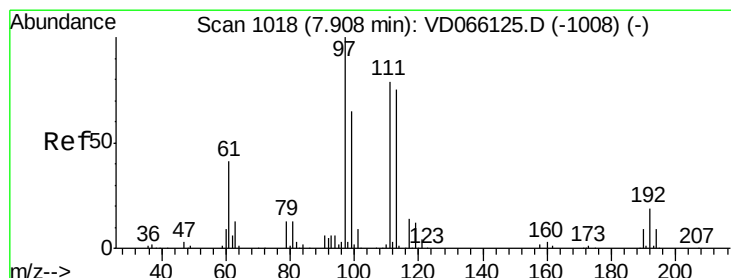
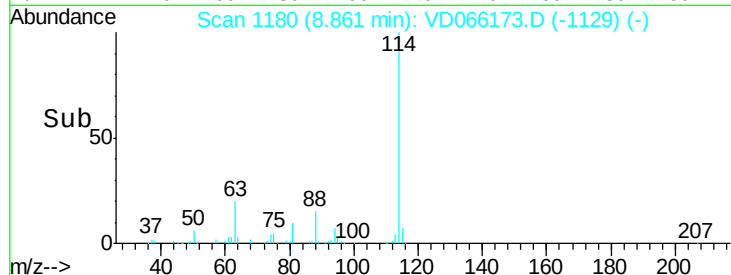
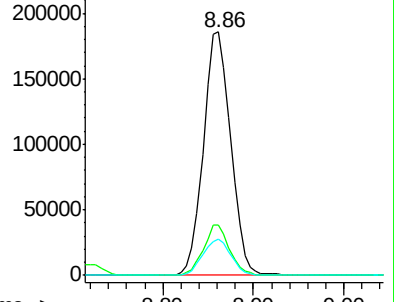
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.274 ug/l

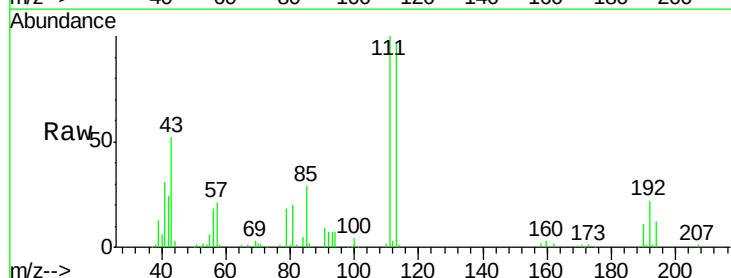
RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

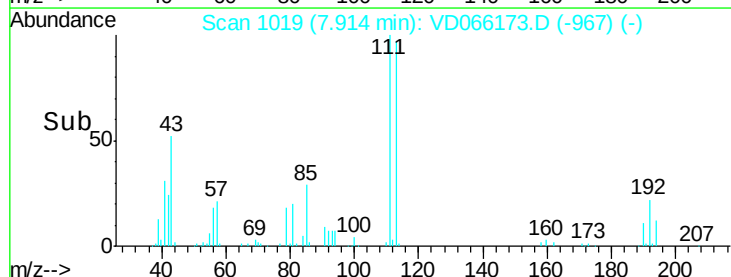
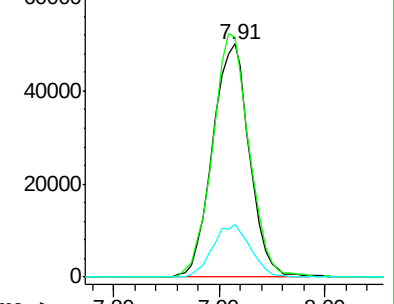
Tgt Ion:	113	Resp:	121674
Ion Ratio		Lower	Upper
113	100		
111	103.9	80.7	121.1
192	23.1	18.4	27.6

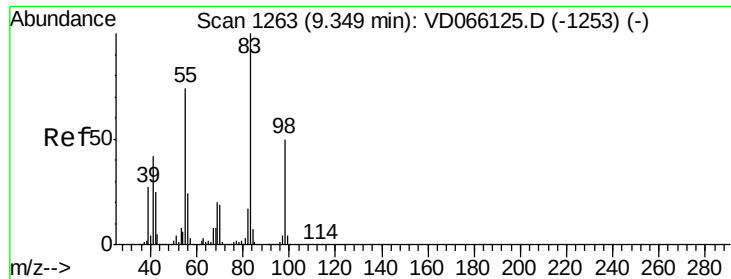


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





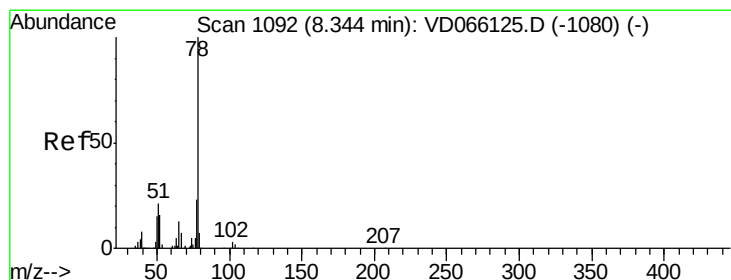
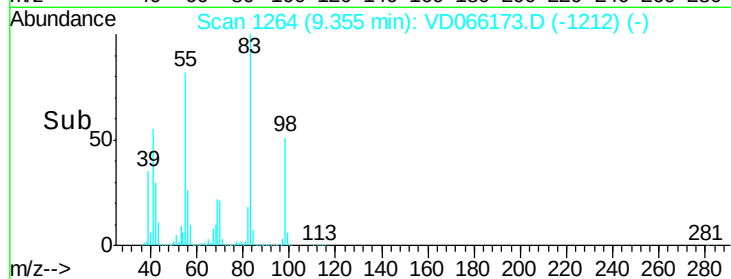
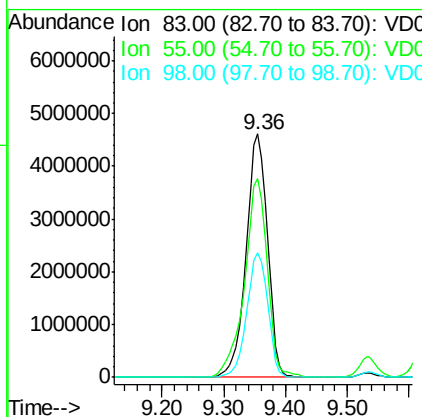
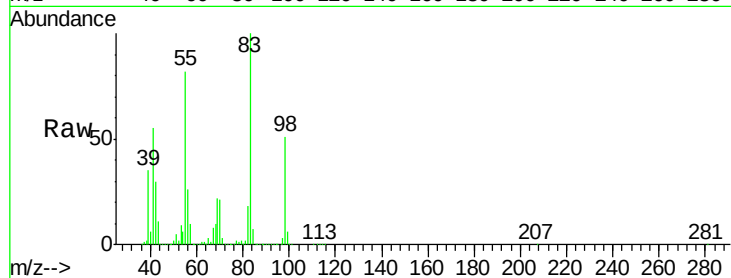
#39
Methylvlcyclohexane
Concen: 2513.988 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion: 83 Resp: 11131569
Ion Ratio Lower Upper
83 100
55 81.6 59.2 88.8
98 51.4 39.8 59.6

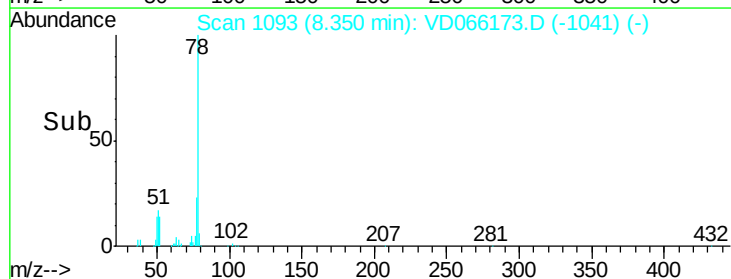
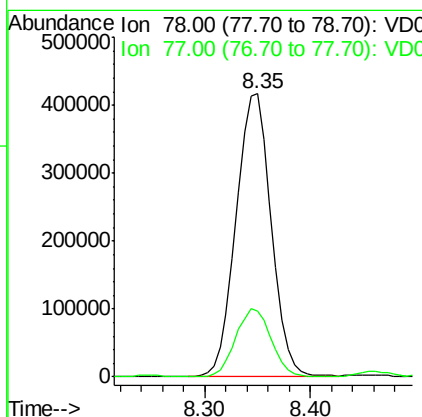
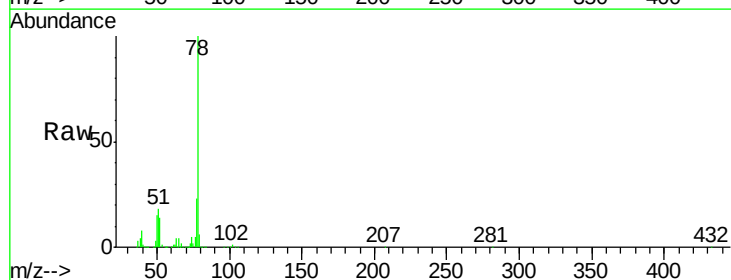
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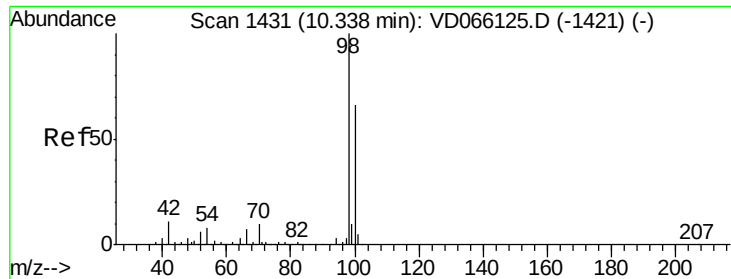
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#40
Benzene
Concen: 94.821 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion: 78 Resp: 963489
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8





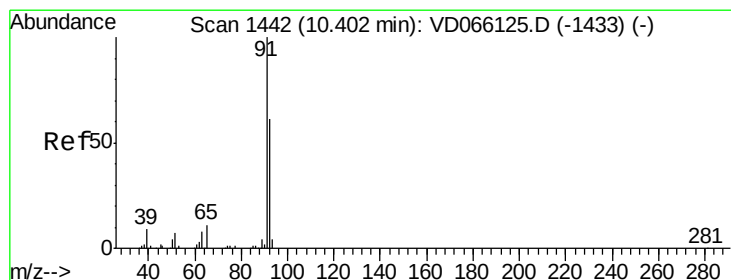
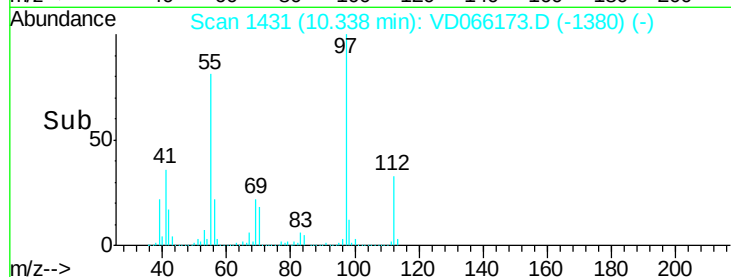
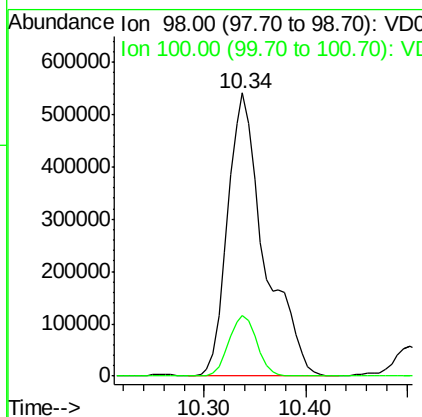
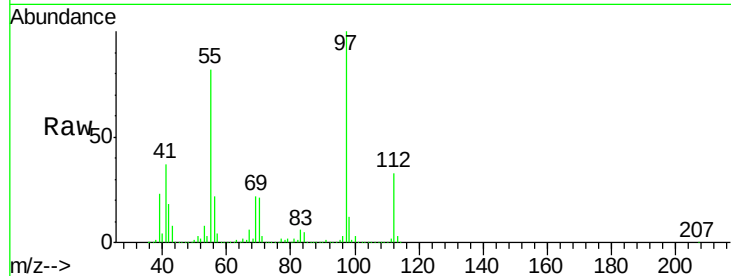
#50
Toluene-d8
Concen: 149.983 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion: 98 Resp: 1366696
Ion Ratio Lower Upper
98 100
100 16.2 52.6 78.8#

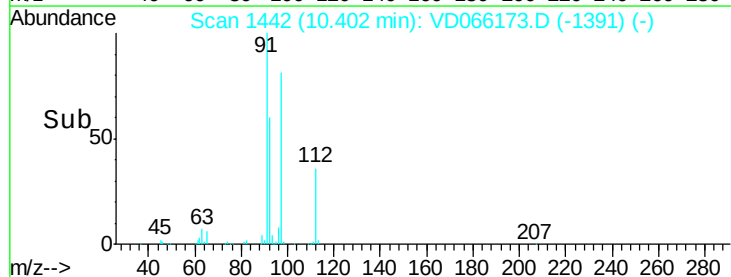
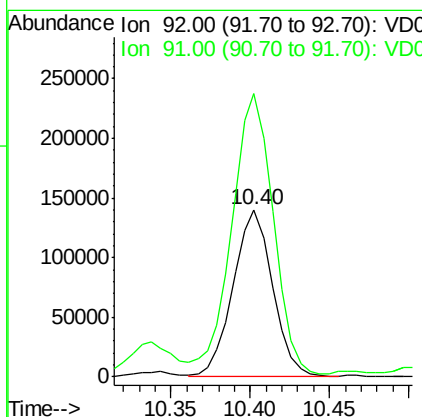
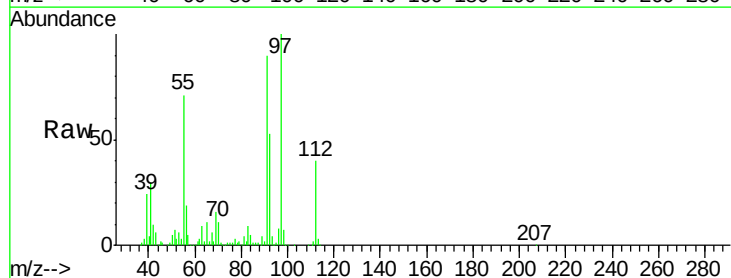
Manual Integrations
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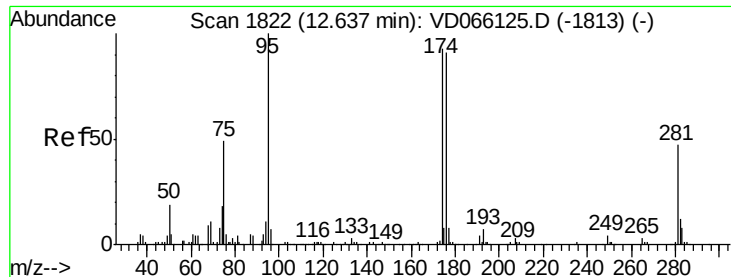
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#52
Toluene
Concen: 36.061 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion: 92 Resp: 241111
Ion Ratio Lower Upper
92 100
91 177.2 135.2 202.8





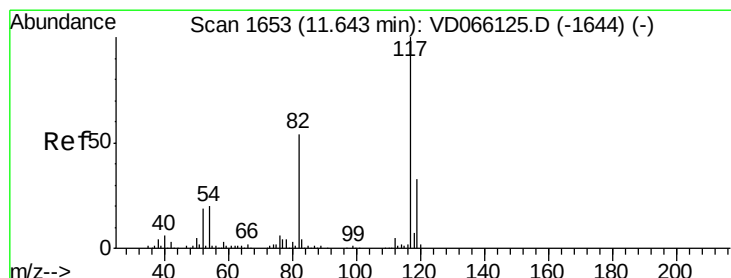
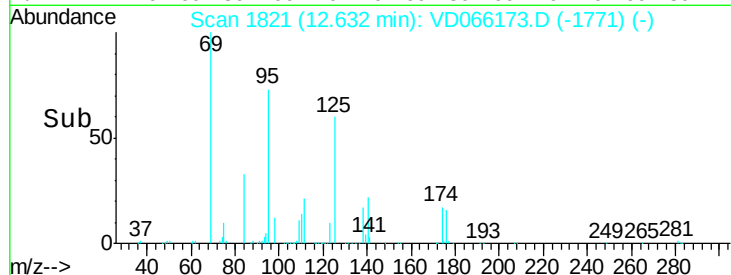
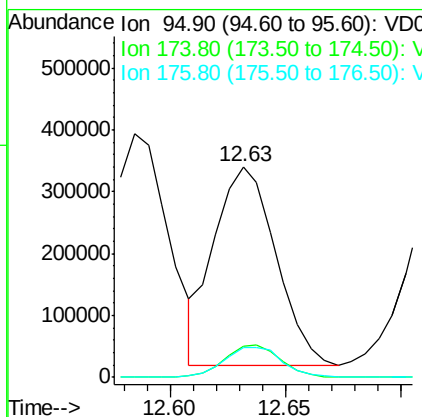
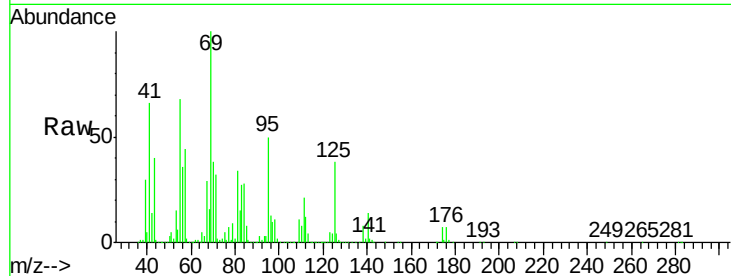
#62
4-Bromofluorobenzene
Concen: 181.510 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
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ClientSampleId :
WASTE

Tot Ion	Ratio	Resp	Lower	Upper
95	100	596197		
174	15.0	0.0	180.8	
176	14.5	0.0	181.2	

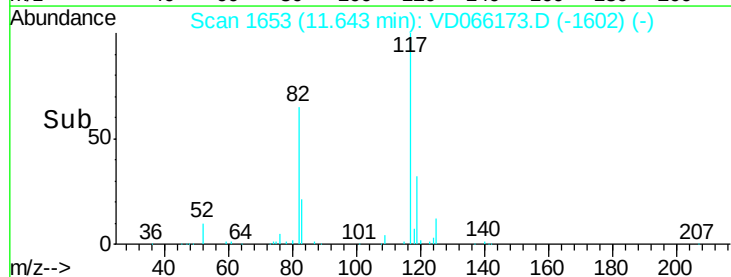
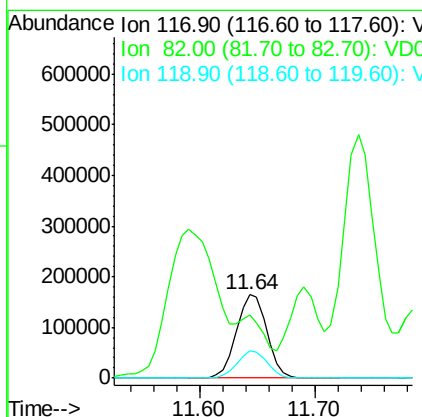
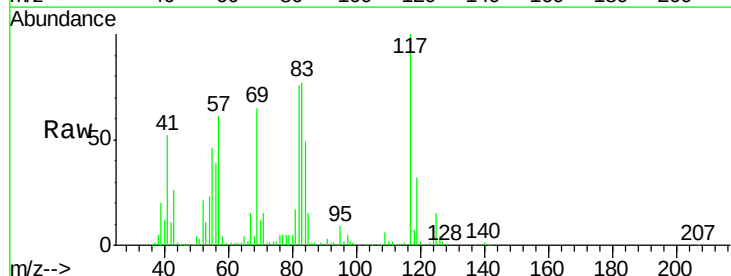
Manual Integrations
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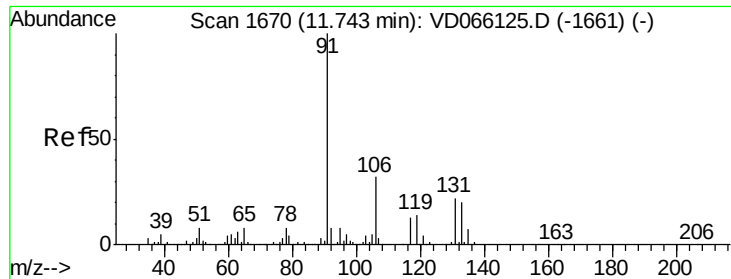
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	298384		
82	0.0	43.0	64.4#	
119	32.0	26.1	39.1	





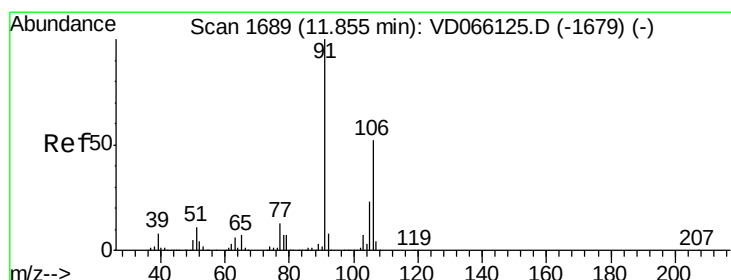
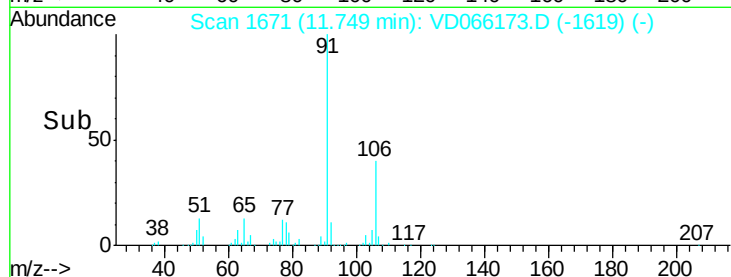
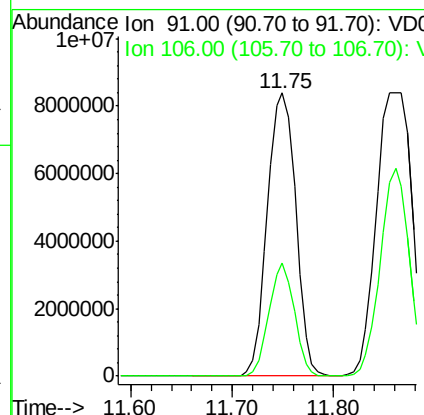
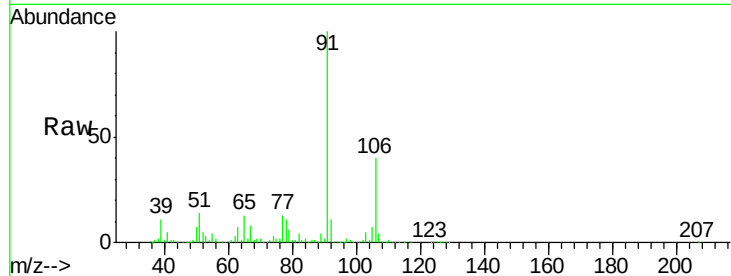
#67
Ethyl Benzene
Concen: 1565.271 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion: 91 Resp:16430235
Ion Ratio Lower Upper
91 100
106 40.2 25.7 38.5#

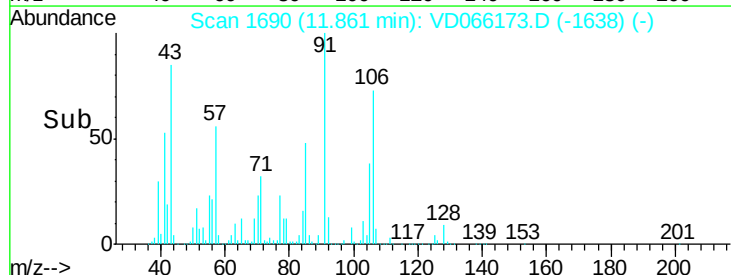
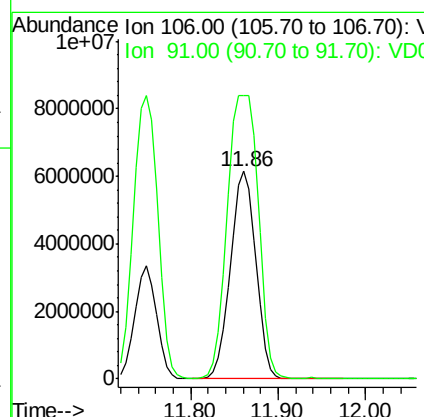
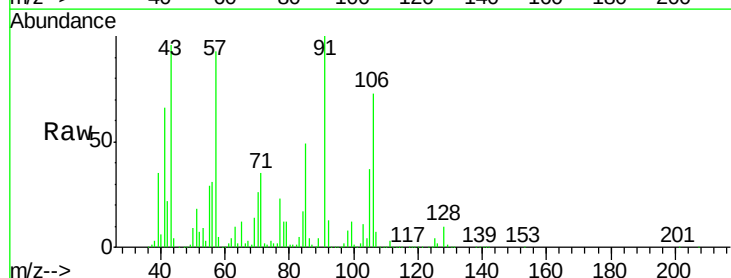
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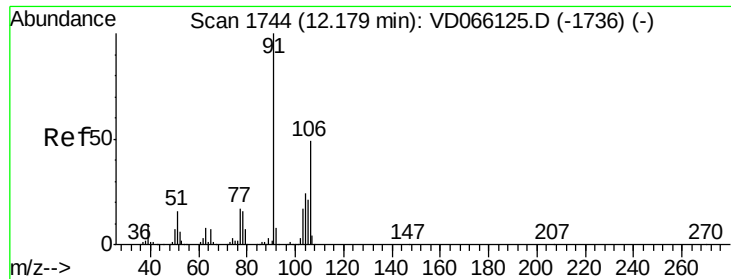
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#68
m/p-Xylenes
Concen: 2992.107 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion:106 Resp:12168495
Ion Ratio Lower Upper
106 100
91 166.6 156.6 235.0





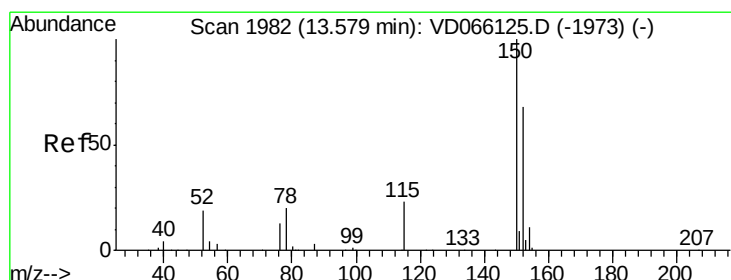
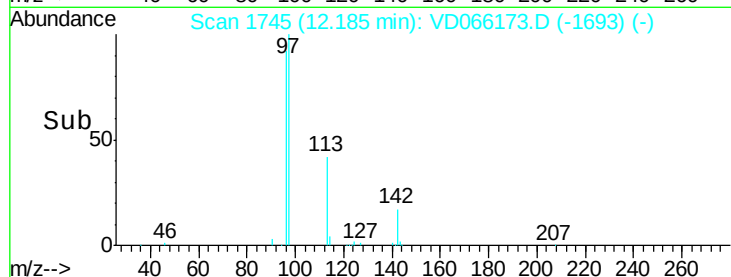
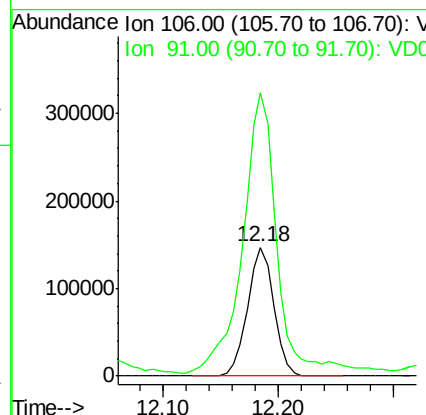
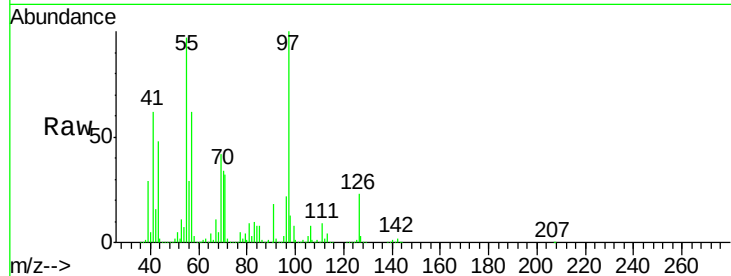
#69
o-Xylene
Concen: 62.766 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampled :
WASTE

Tot Ion:106 Resp: 232204
Ion Ratio Lower Upper
106 100
91 273.7 105.7 317.1

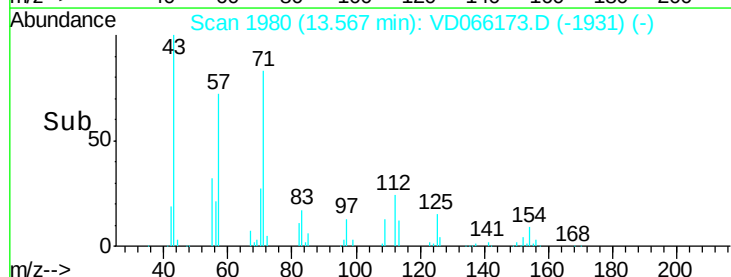
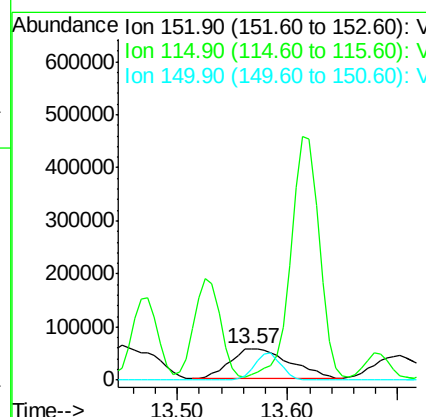
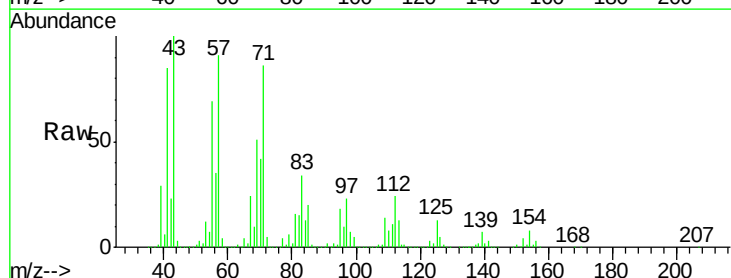
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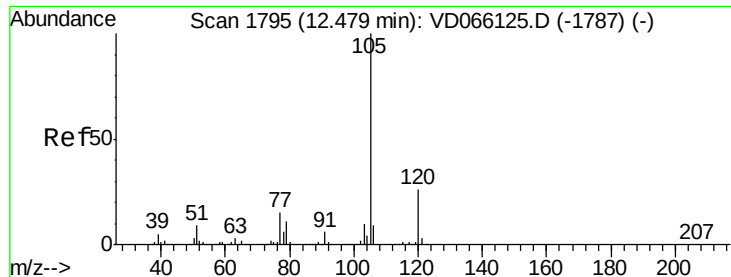
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1980
Delta R.T. -0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion:152 Resp: 215367
Ion Ratio Lower Upper
152 100
115 0.0 28.0 83.9#
150 39.9 0.0 346.4





#73

Isopropylbenzene

Concen: 429.090 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

Instrument :

MSVOA_D

ClientSampleId :

WASTE

Tot Ion:105 Resp: 6168696

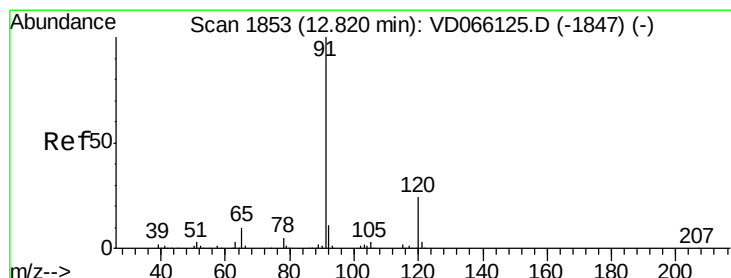
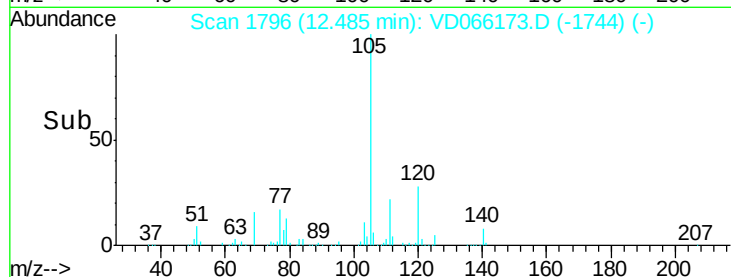
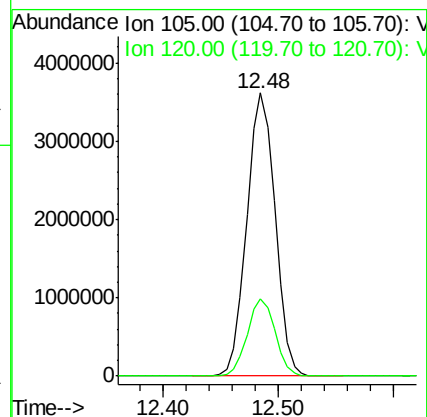
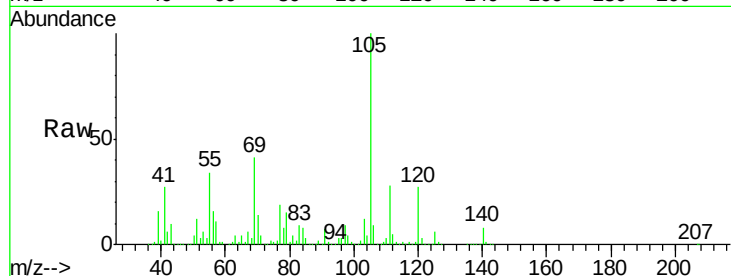
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

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#78

n-propylbenzene

Concen: 798.573 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066173.D

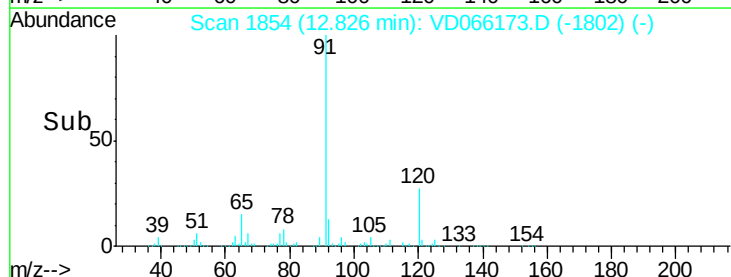
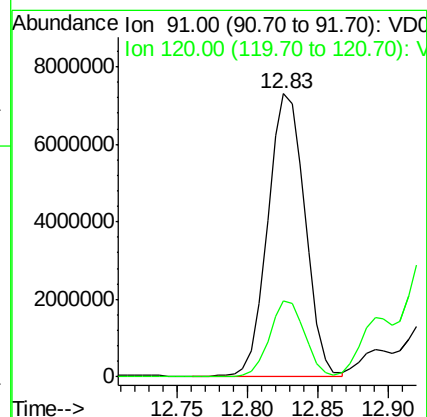
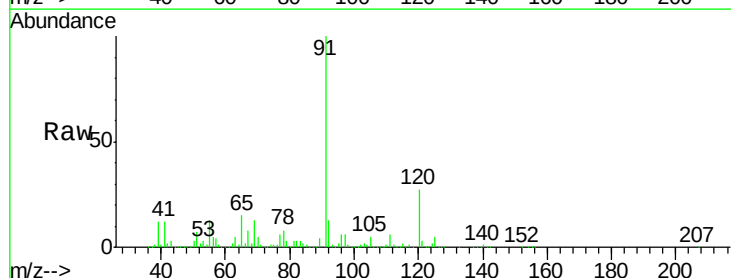
Acq: 10 Aug 2020 19:17

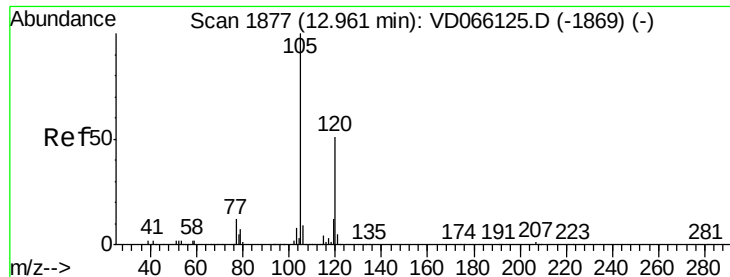
Tgt Ion: 91 Resp:13345239

Ion Ratio Lower Upper

91 100

120 25.6 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 692.580 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

Instrument :

MSVOA_D

ClientSampled :

WASTE

Tot Ion:105 Resp: 8326879

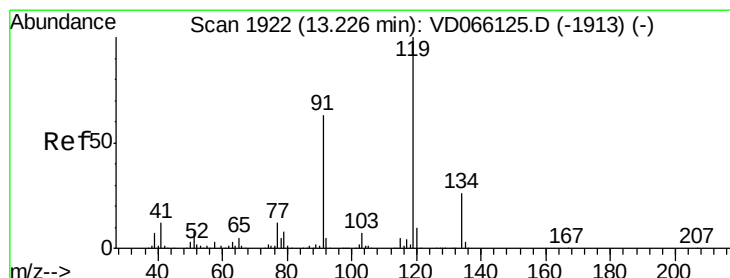
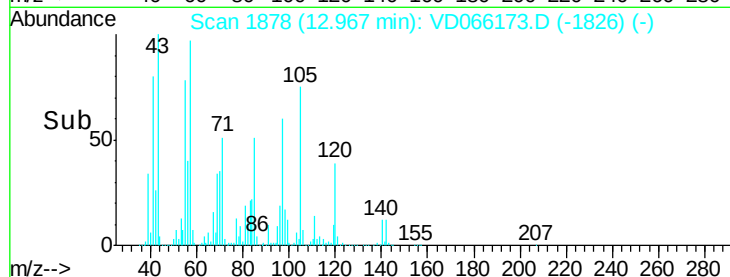
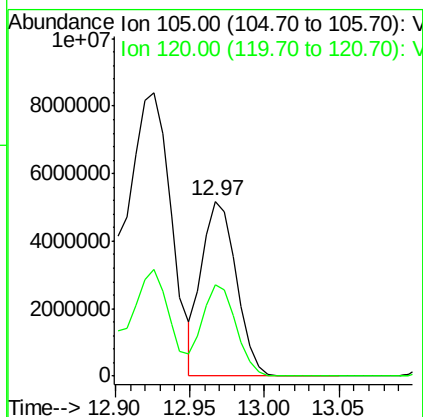
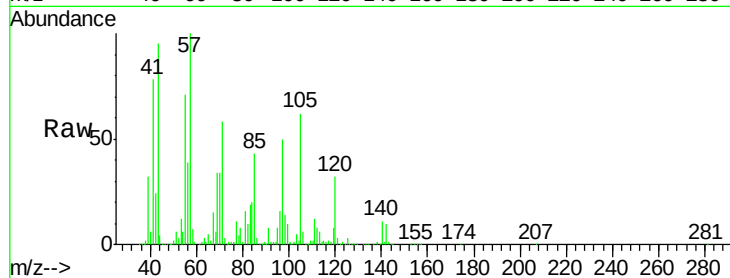
Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.8

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#83

tert-Butylbenzene

Concen: 16.407 ug/l m

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD066173.D

Acq: 10 Aug 2020 19:17

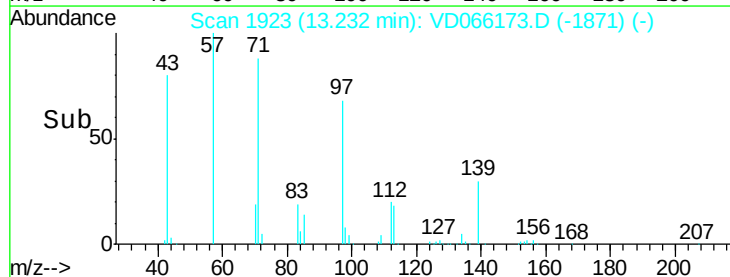
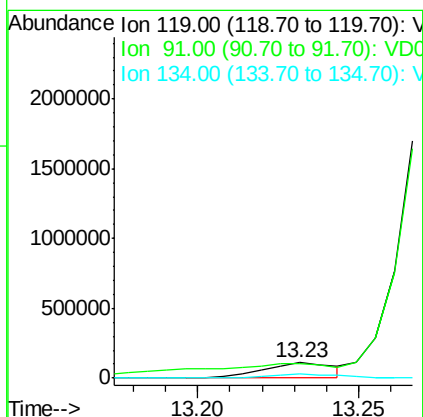
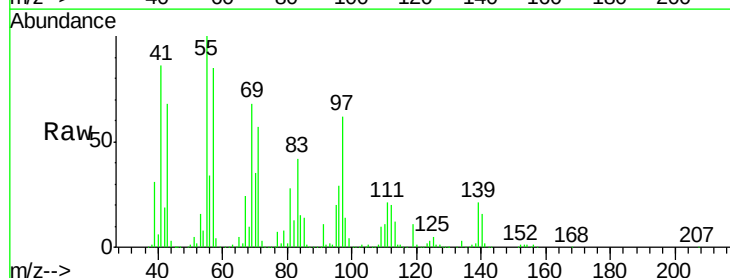
Tgt Ion:119 Resp: 173484

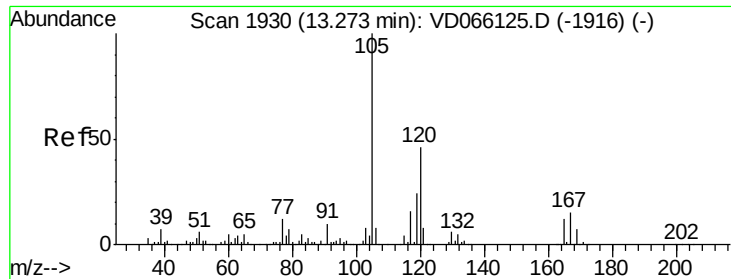
Ion Ratio Lower Upper

119 100

91 3645.6 30.8 92.4#

134 0.0 13.6 40.8#





#84

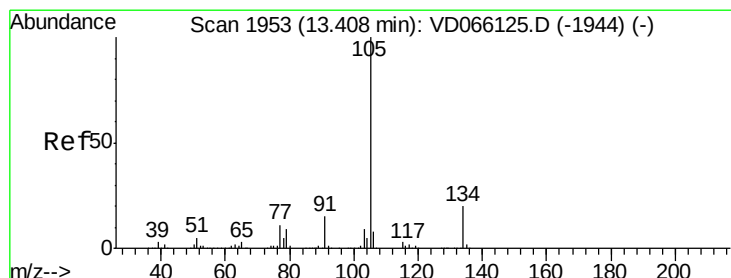
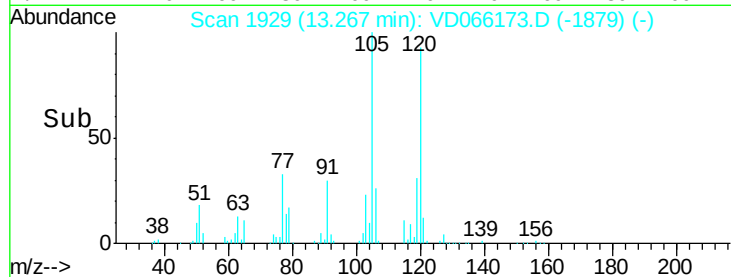
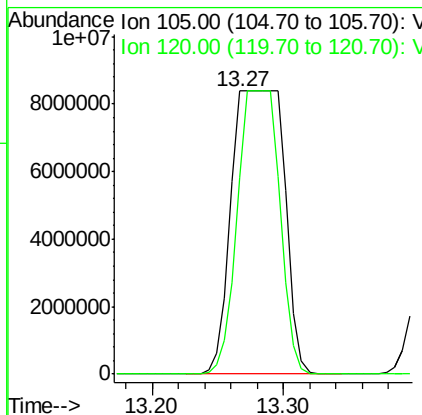
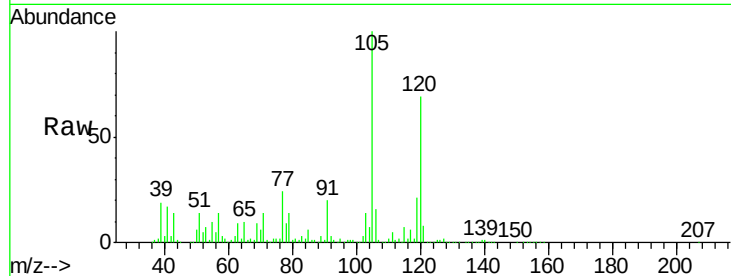
1,2,4-Trimethylbenzene
Concen: 1961.216 ug/l m
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion:105 Resp:23597783
Ion Ratio Lower Upper
105 100
120 7.9 23.1 69.2#

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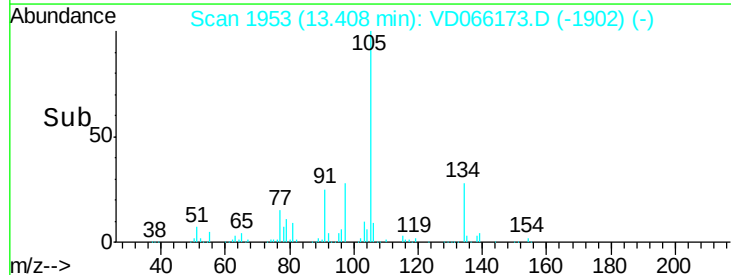
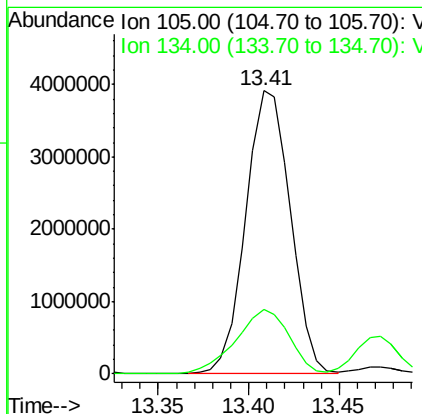
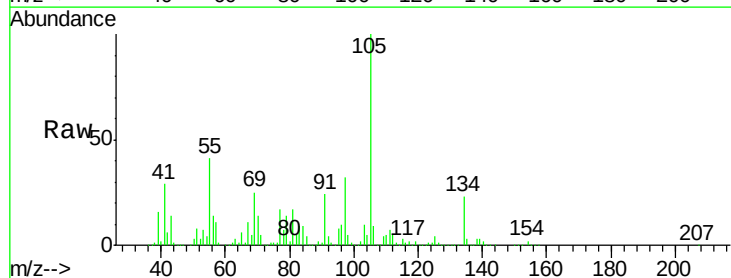
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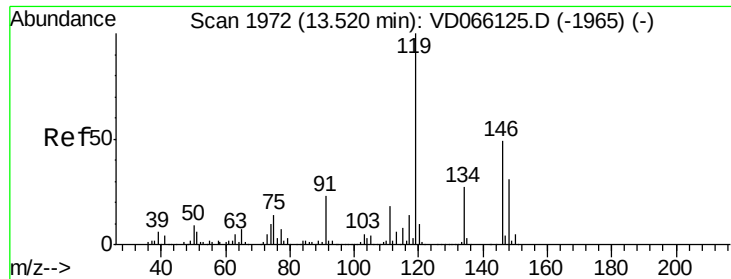


#85

sec-Butylbenzene
Concen: 467.439 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Tgt Ion:105 Resp: 6672937
Ion Ratio Lower Upper
105 100
134 27.4 10.4 31.4





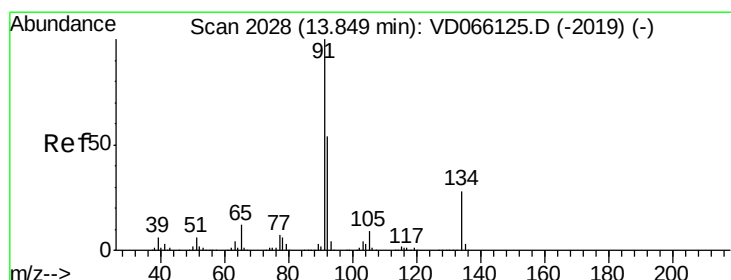
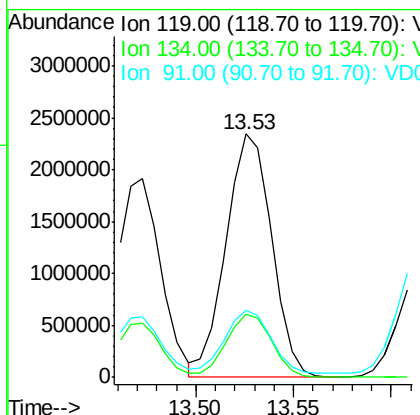
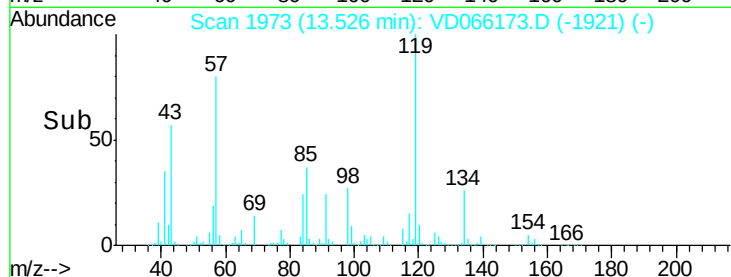
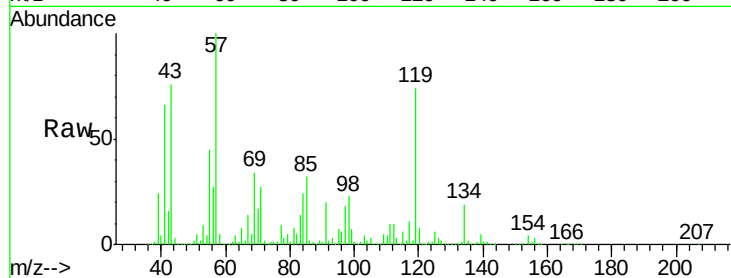
#86
 p-Isopropyltoluene
 Concen: 283.413 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066173.D
 Acq: 10 Aug 2020 19:17

Instrument :
 MSVOA_D
 ClientSampled :
 WASTE

Tot Ion:119 Resp: 3794660
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.5 40.4
 91 26.1 11.2 33.5

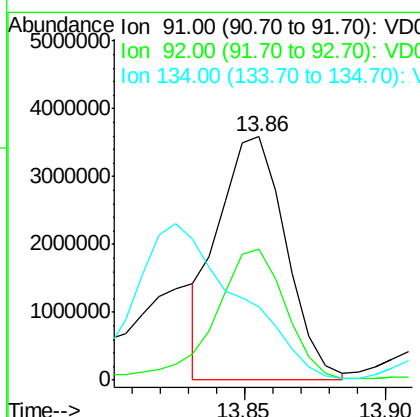
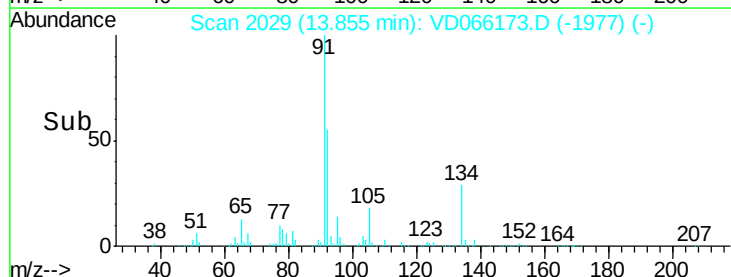
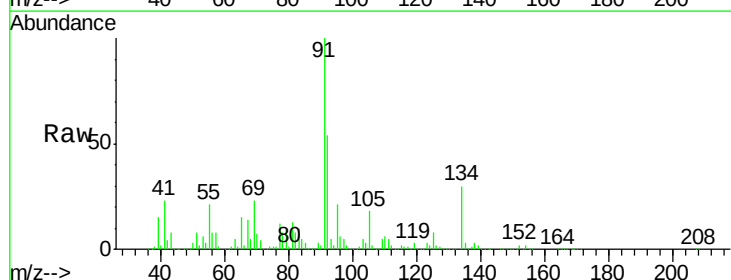
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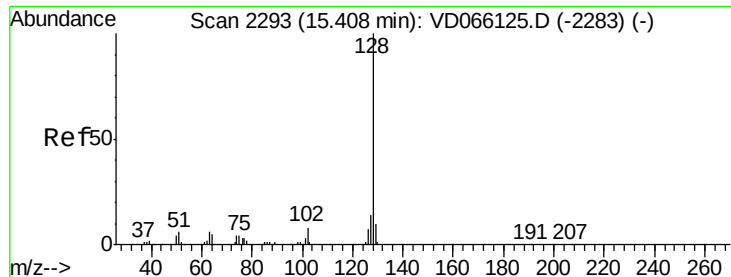
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#89
 n-Butylbenzene
 Concen: 497.266 ug/l m
 RT: 13.86 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: VD066173.D
 Acq: 10 Aug 2020 19:17

Tgt Ion: 91 Resp: 5965276
 Ion Ratio Lower Upper
 91 100
 92 54.9 26.8 80.3
 134 0.0 14.0 41.9#





#95
Naphthalene
Concen: 385.486 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066173.D
Acq: 10 Aug 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :
WASTE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	11.5	8.8	13.2

Manual Integrations
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