

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066398.D
 Acq On : 25 Aug 2020 13:19
 Operator : VA/SY
 Sample : L3787-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Manual Integrations
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Quant Time: Aug 26 08:24:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	53589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	103621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	5581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	69173	131.66	ug/l	0.00
Spiked Amount			Recovery	=	263.32%	
35) Dibromofluoromethane	7.91	113	53537	82.62	ug/l	0.00
Spiked Amount			Recovery	=	165.24%	
50) Toluene-d8	10.34	98	45662	19.26	ug/l	0.00
Spiked Amount			Recovery	=	38.52%	
62) 4-Bromofluorobenzene	12.63	95	4603	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	675638	27159.887	ug/l	100
16) Acetone	4.16	43	2940	31.039	ug/l #	69
20) Methylene Chloride	4.97	84	7164m	8.956	ug/l	
30) Chloroform	7.71	83	981m	1.063	ug/l	
39) Methylcyclohexane	9.34	83	3691	3.314	ug/l #	91
40) Benzene	8.35	78	3336	1.341	ug/l #	68
52) Toluene	10.40	92	6887	4.087	ug/l	96
67) Ethyl Benzene	11.74	91	5733	9.158	ug/l	97
68) m/p-Xylenes	11.85	106	6280	26.319	ug/l	92
69) o-Xylene	12.17	106	3145	14.168	ug/l	95
70) Styrene	12.19	104	2698	7.079	ug/l #	87
73) Isopropylbenzene	12.48	105	4251	11.370	ug/l	93
78) n-propylbenzene	12.83	91	5830	13.600	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	6927	21.459	ug/l	92
83) tert-Butylbenzene	13.22	119	2454m	8.752	ug/l	
84) 1,2,4-Trimethylbenzene	13.27	105	13264	41.835	ug/l	93
85) sec-Butylbenzene	13.40	105	6141	16.717	ug/l #	71
86) p-Isopropyltoluene	13.51	119	5030	14.200	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	950	5.363	ug/l #	73
88) 1,4-Dichlorobenzene	13.60	146	1276	7.174	ug/l #	22
89) n-Butylbenzene	13.85	91	3818	12.214	ug/l #	67
95) Naphthalene	15.40	128	13378	71.549	ug/l #	93

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

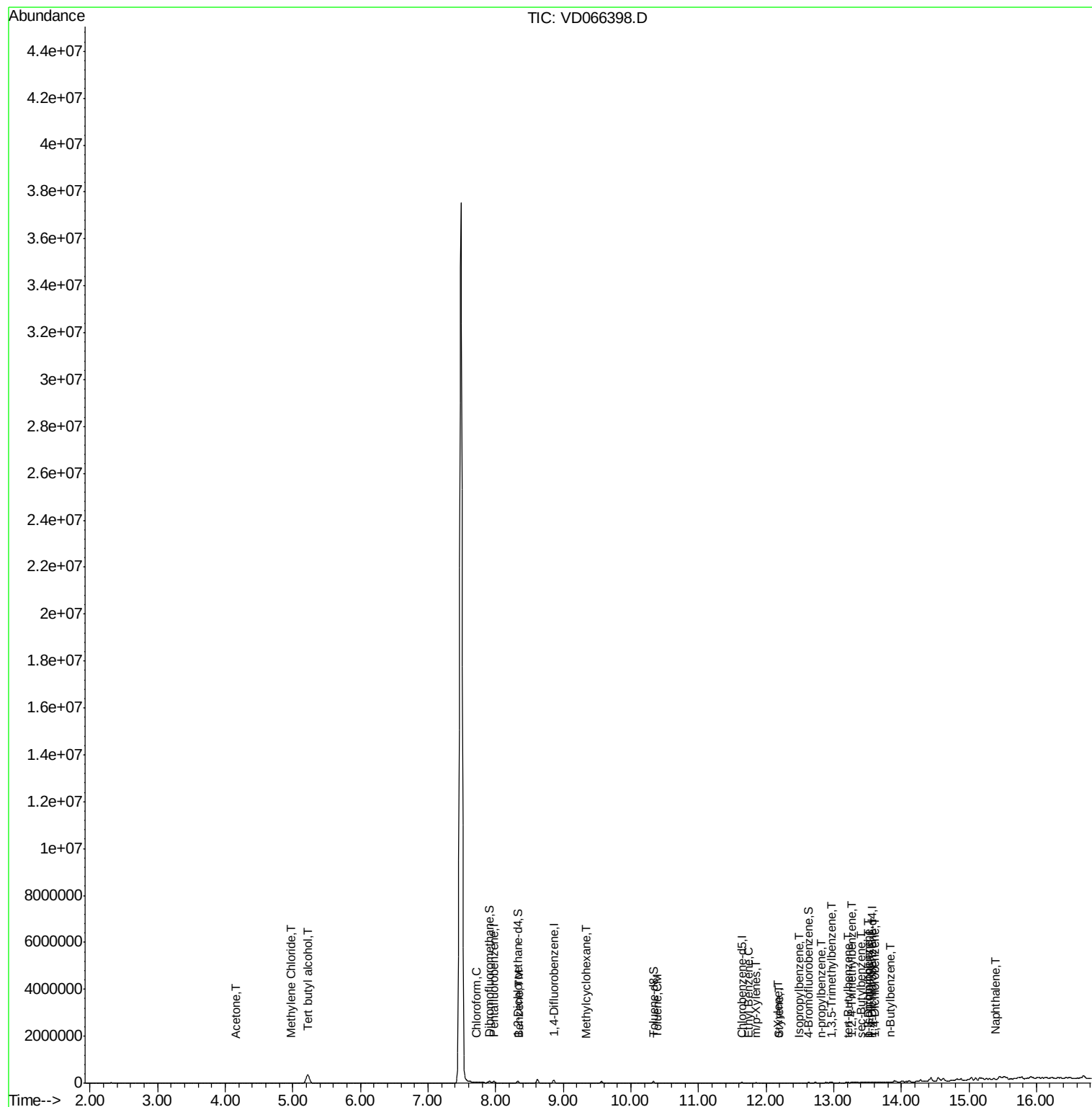
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082520\
Data File : VD066398.D
Acq On : 25 Aug 2020 13:19
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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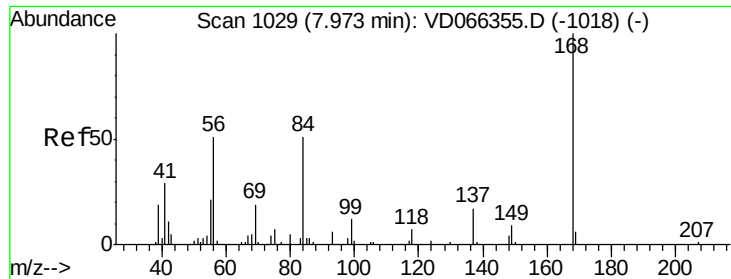
Instrument :
MSVOA_D
ClientSampleId :
20071

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Quant Time: Aug 26 08:24:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion:168 Resp: 53589

Ion Ratio Lower Upper

168 100

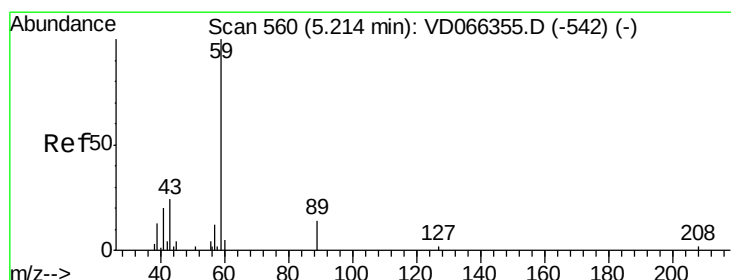
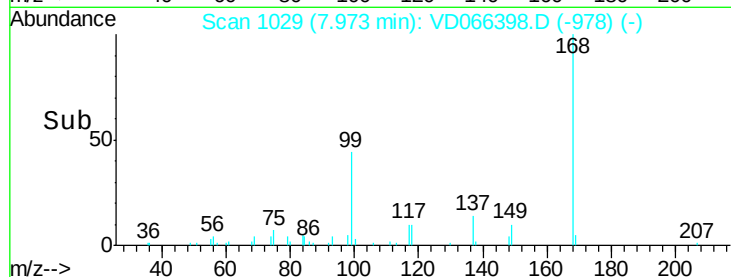
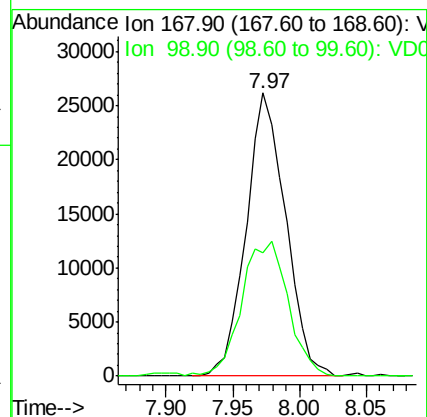
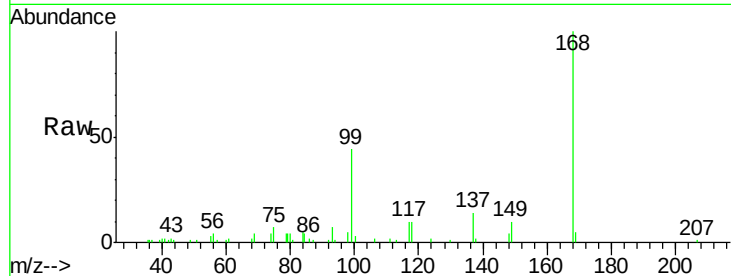
99 43.6 45.4 68.0#

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#11

Tert butyl alcohol

Concen: 27159.887 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066398.D

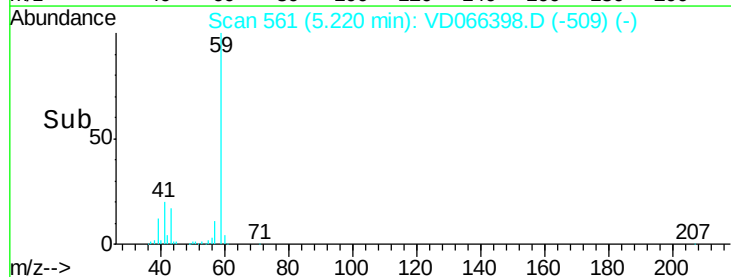
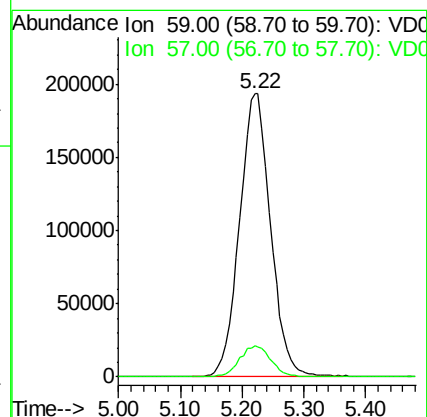
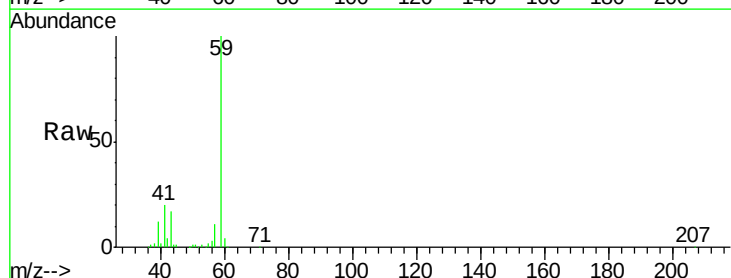
Acq: 25 Aug 2020 13:19

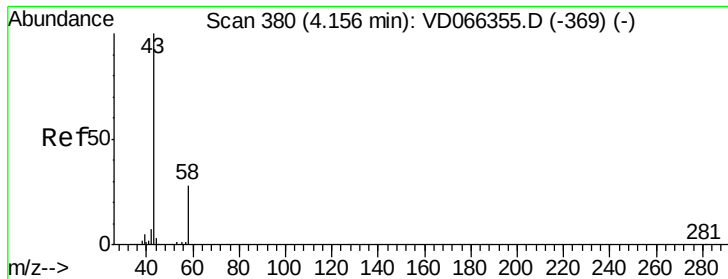
Tgt Ion: 59 Resp: 675638

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4





#16

Acetone

Concen: 31.039 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampled :

20071

Tot Ion: 43 Resp: 2940

Ion Ratio Lower Upper

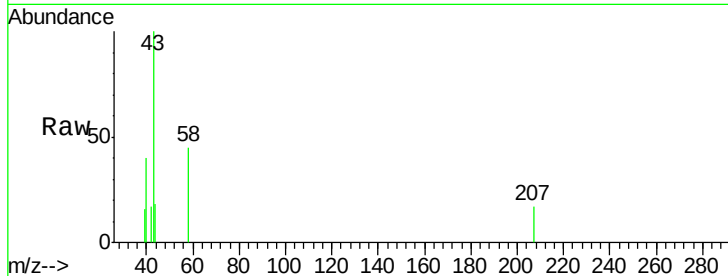
43 100

58 44.6 22.7 34.1#

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1200

1000

800

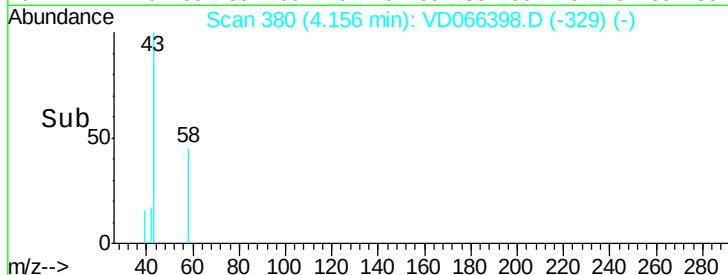
600

400

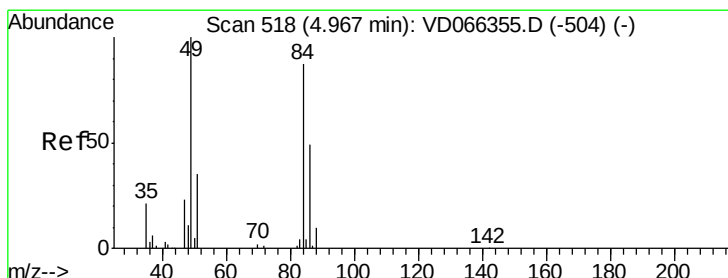
200

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 8.956 ug/l m

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Tgt Ion: 84 Resp: 7164

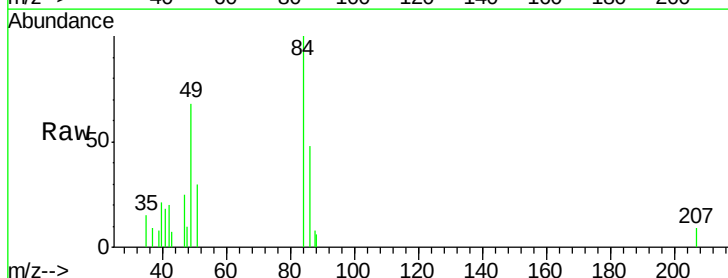
Ion Ratio Lower Upper

84 100

49 68.1 92.5 138.7#

51 29.6 32.5 48.7#

86 48.4 45.0 67.6



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4000

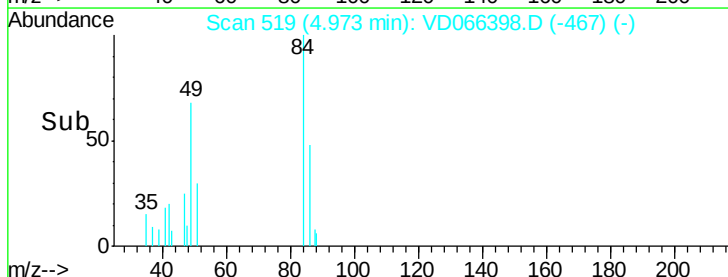
3000

2000

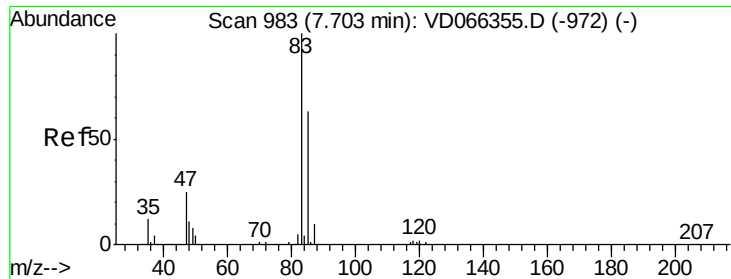
1000

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Time-->



Time-->



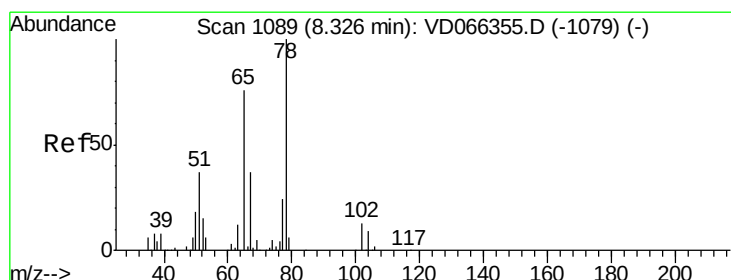
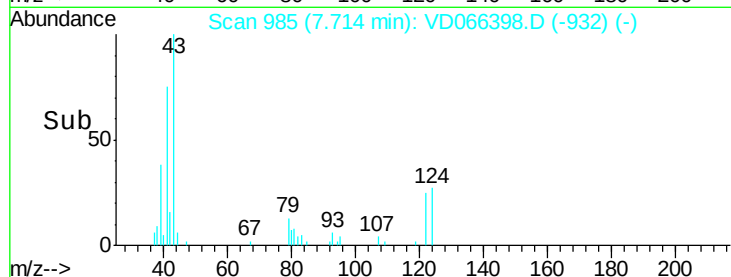
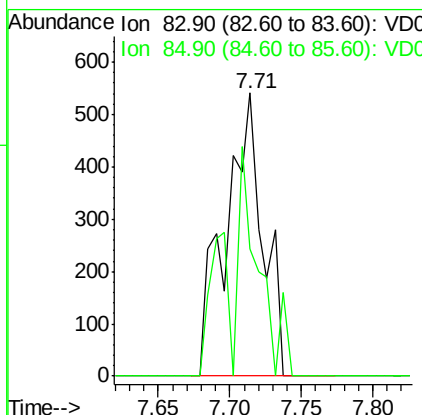
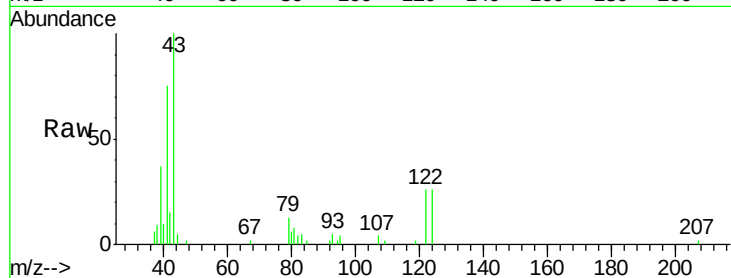
#30
Chloroform
Concen: 1.063 ug/l m
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion	83	85	Resp	Lower	Upper
83	100				
85	45.1		50.3	75.5#	

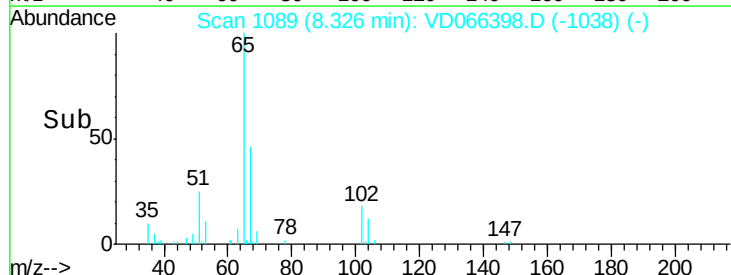
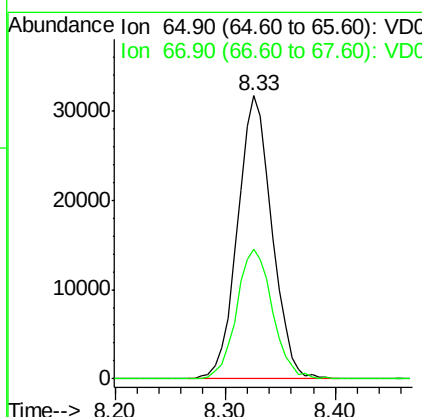
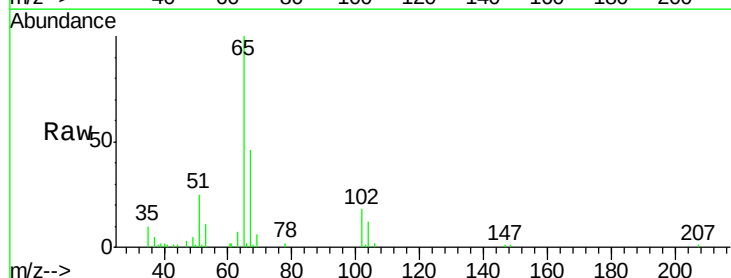
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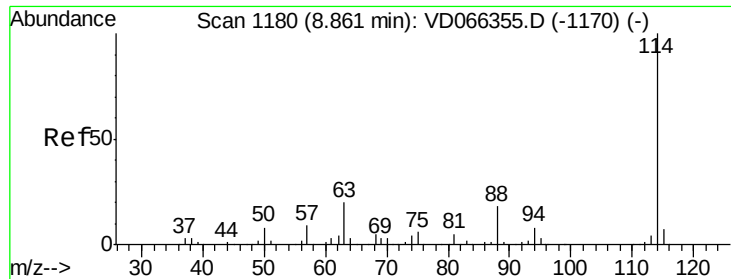
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#33
1,2-Dichloroethane-d4
Concen: 131.662 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion	65	67	Resp	Lower	Upper
65	100				
67	47.7		0.0	101.6	





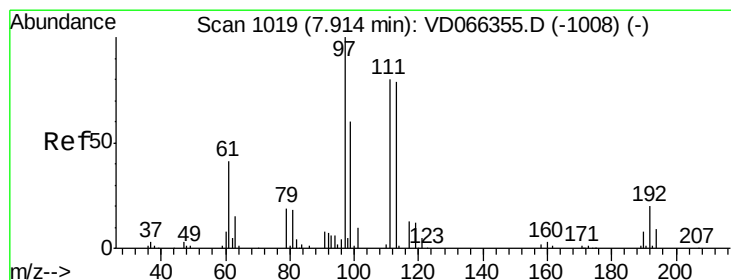
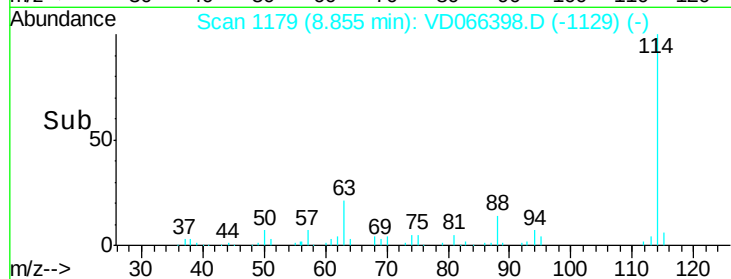
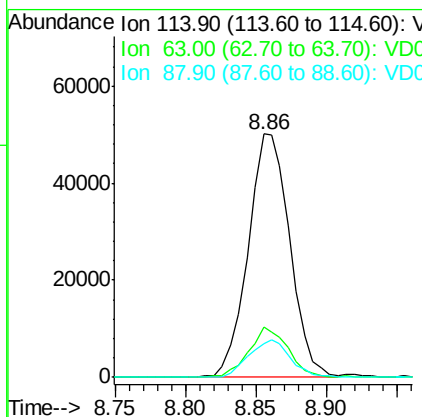
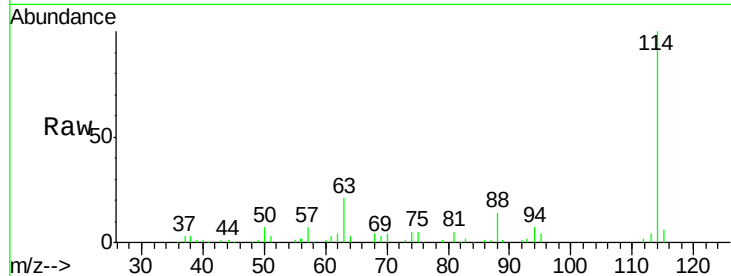
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.1	0.0	35.4

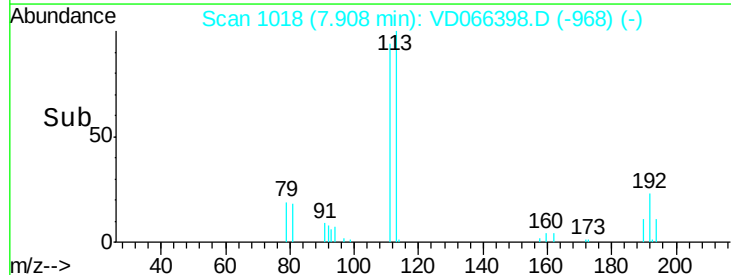
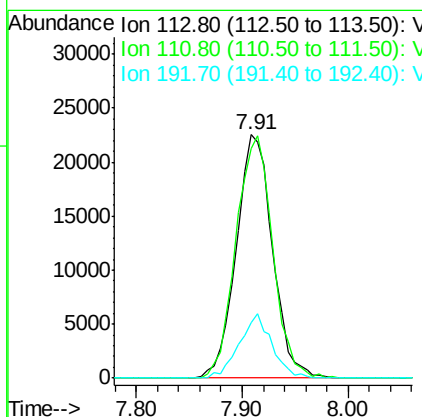
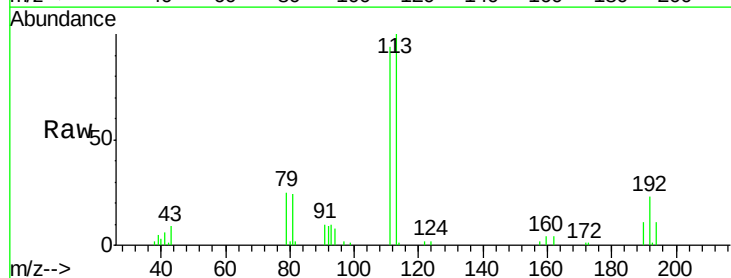
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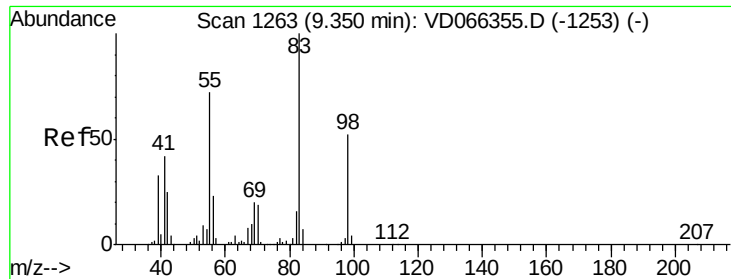
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#35
 Dibromofluoromethane
 Concen: 82.625 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.0	80.3	120.5
192	23.6	19.0	28.6





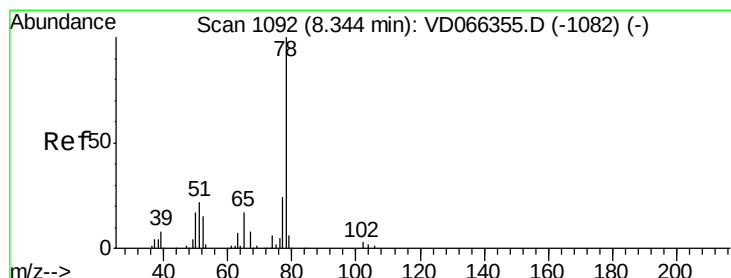
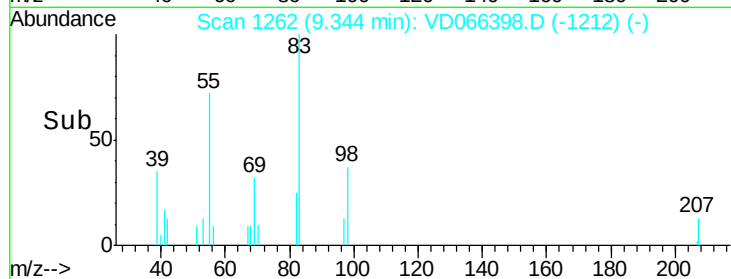
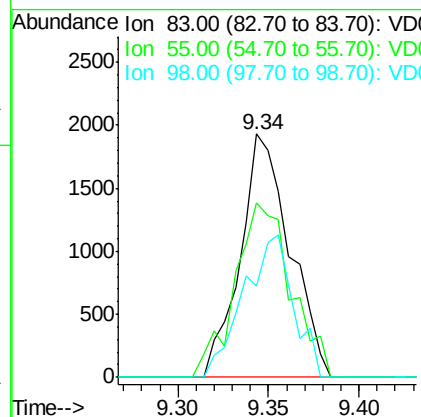
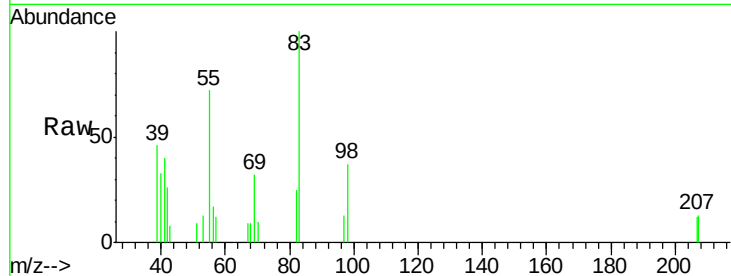
#39
Methylvlcyclohexane
Concen: 3.314 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.0	87.0
98	37.3	41.9	62.9

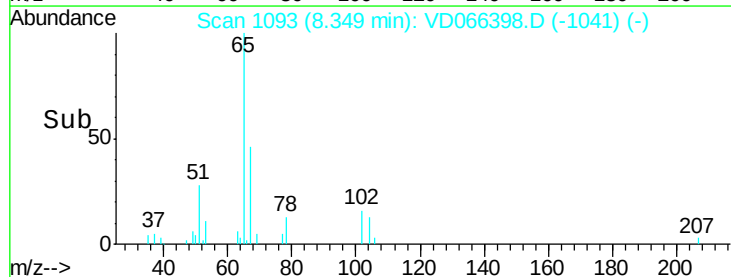
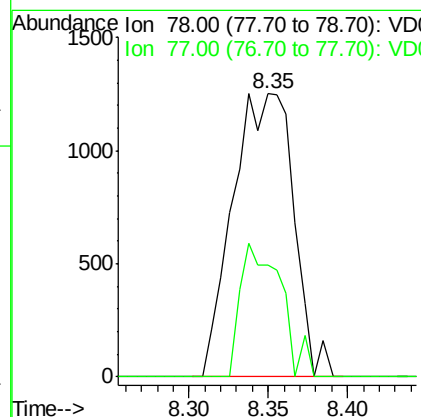
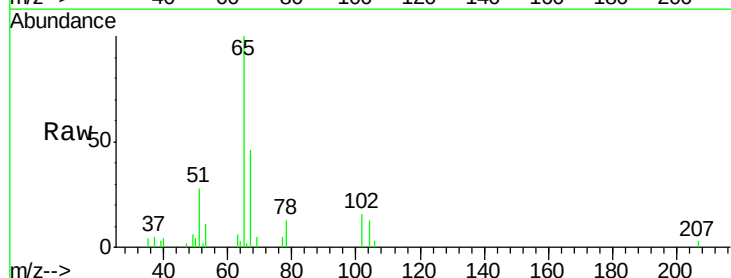
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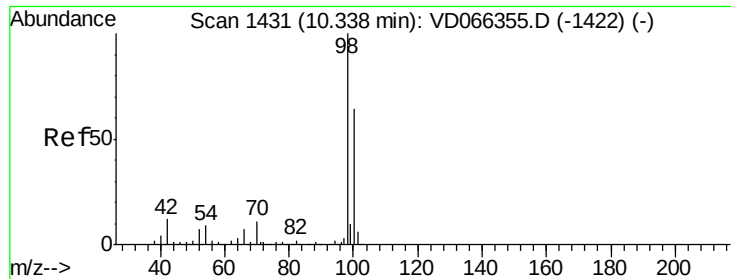
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#40
Benzene
Concen: 1.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	39.3	18.8	28.2





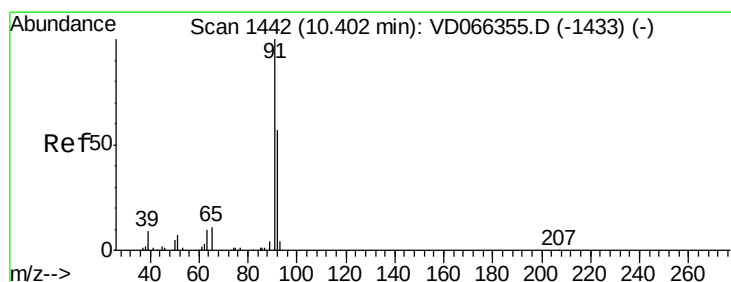
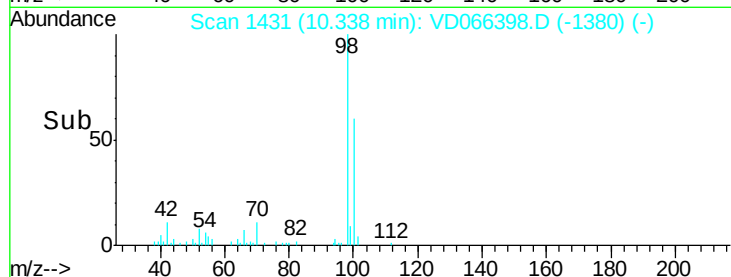
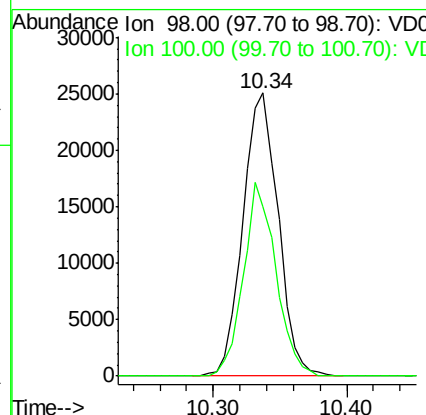
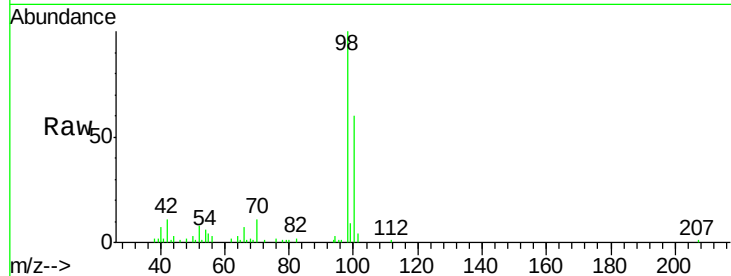
#50
Toluene-d8
Concen: 19.260 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion: 98 Resp: 45662
Ion Ratio Lower Upper
98 100
100 63.1 53.0 79.4

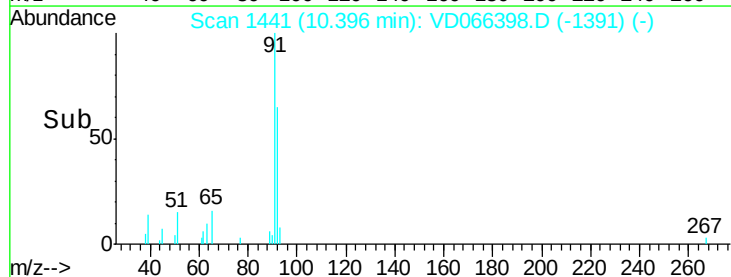
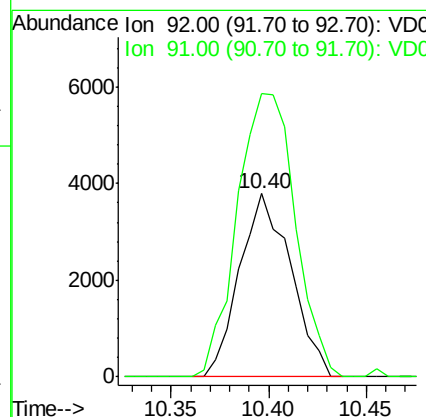
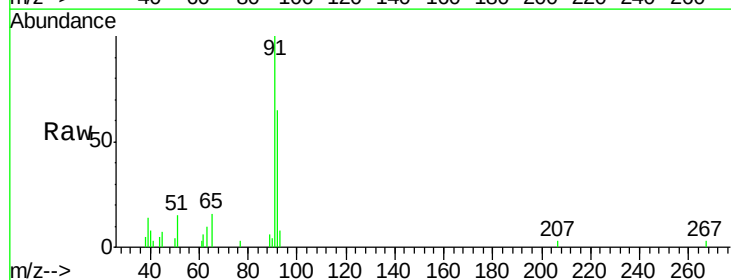
Manual Integrations
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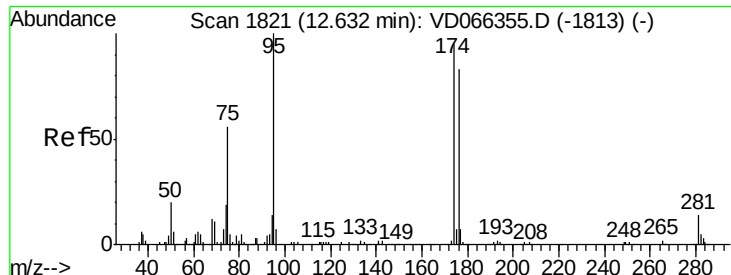
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#52
Toluene
Concen: 4.087 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 92 Resp: 6887
Ion Ratio Lower Upper
92 100
91 175.5 135.8 203.6





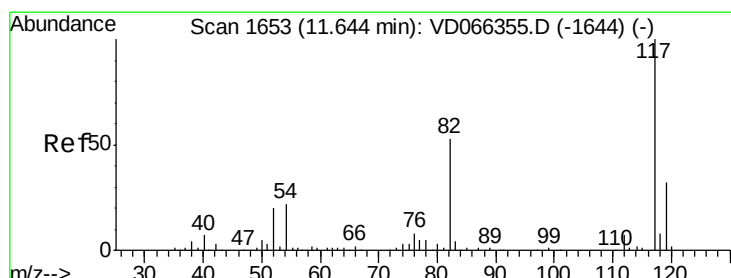
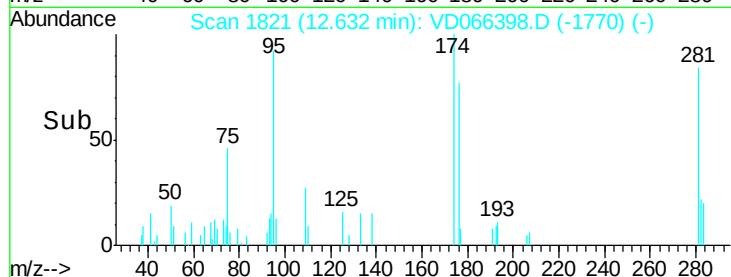
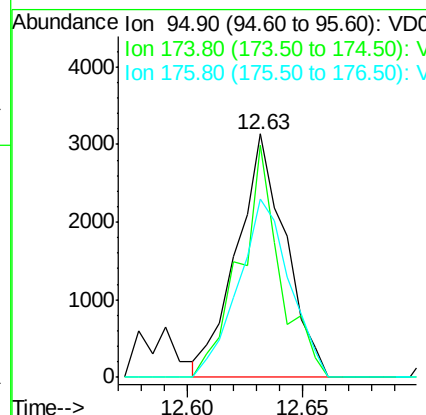
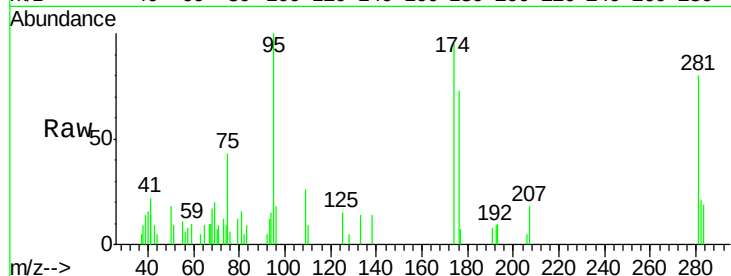
#62
4-Bromofluorobenzene
Concen: 5.472 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion	Ratio	Resp	Lower	Upper
95	100	4603		
174	78.4		0.0	183.4
176	77.2		0.0	173.8

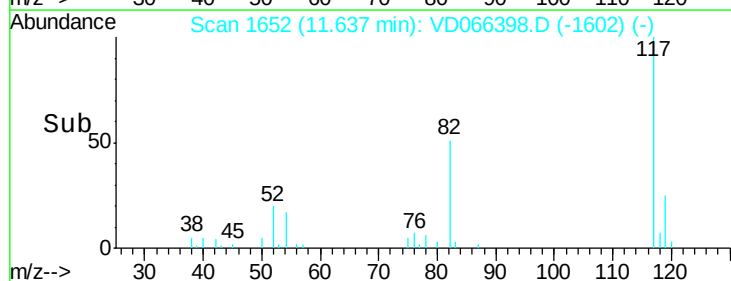
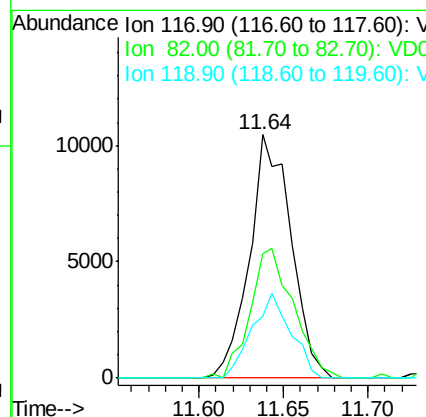
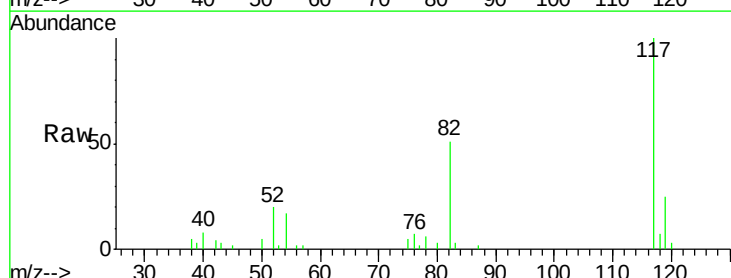
Manual Integrations
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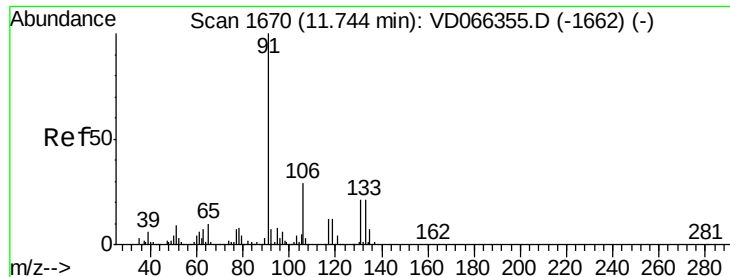
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	17876		
82	50.9		42.8	64.2
119	25.2		25.8	38.8





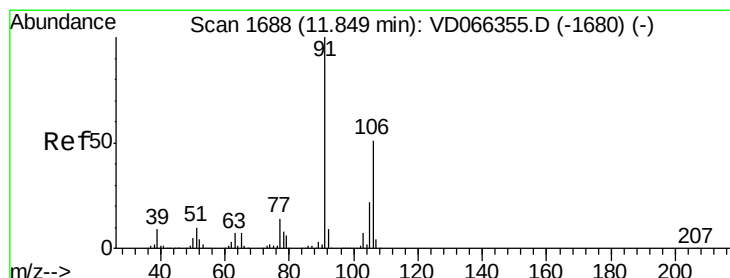
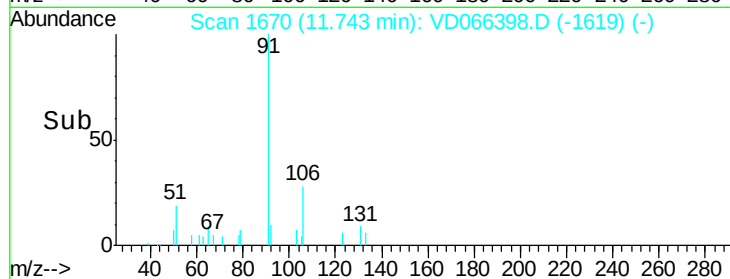
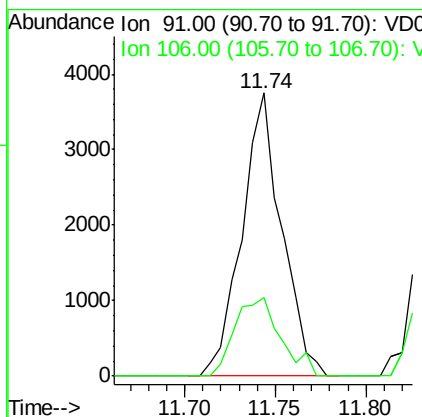
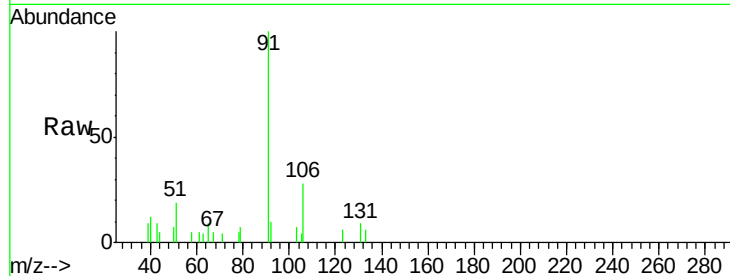
#67
Ethyl Benzene
Concen: 9.158 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion: 91 Resp: 5733
Ion Ratio Lower Upper
91 100
106 27.9 23.4 35.2

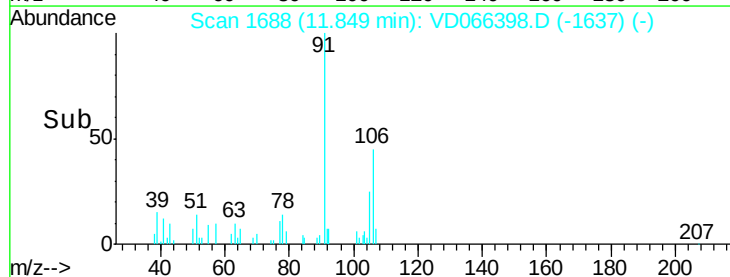
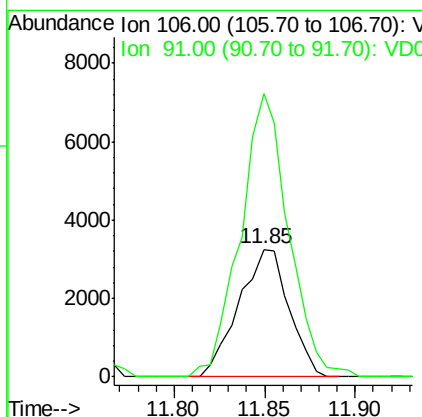
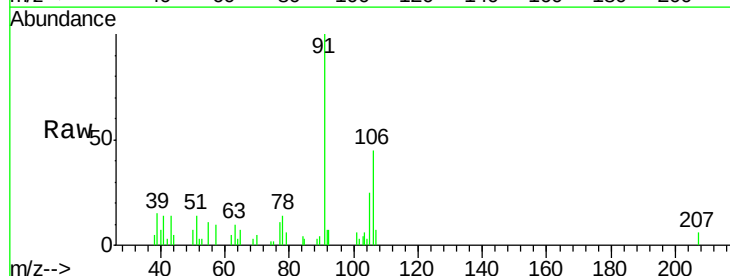
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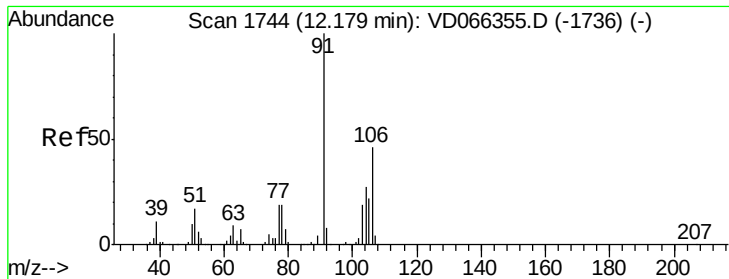
MMDadoda
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#68
m/p-Xylenes
Concen: 26.319 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion: 106 Resp: 6280
Ion Ratio Lower Upper
106 100
91 212.8 160.7 241.1





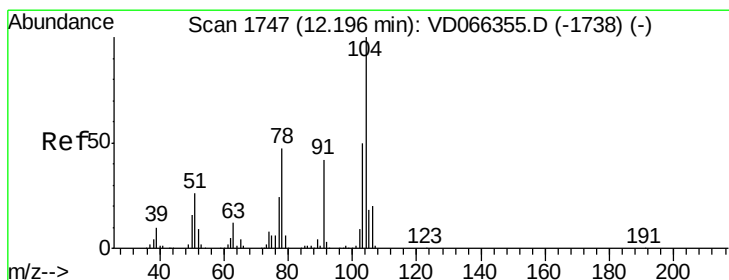
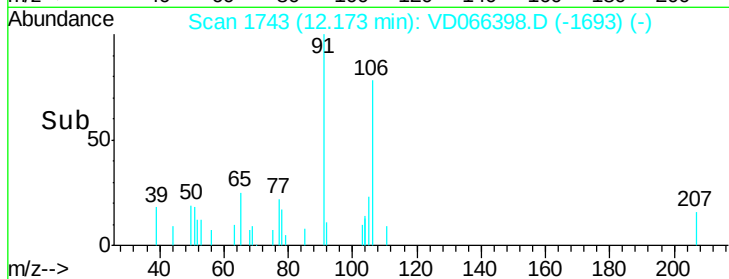
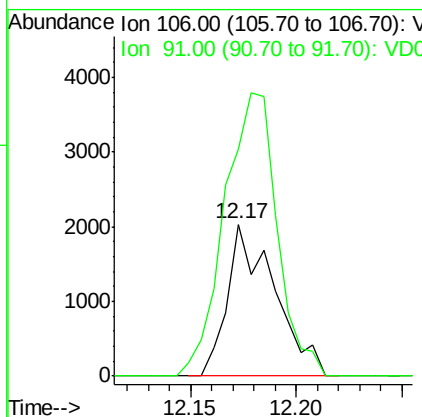
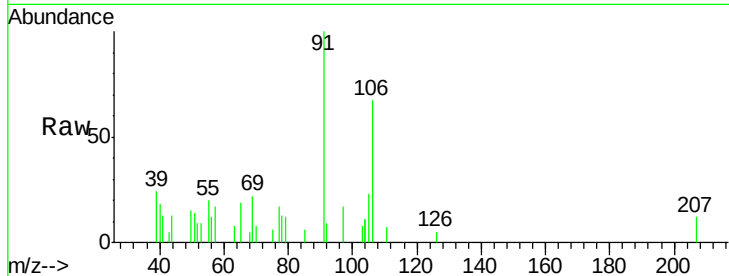
#69
o-Xylene
Concen: 14.168 ug/l
RT: 12.17 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.6	109.1	3145	327.3	

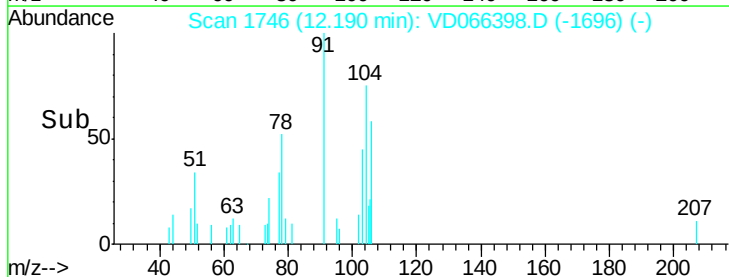
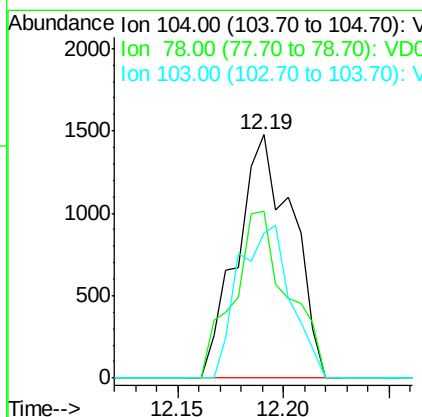
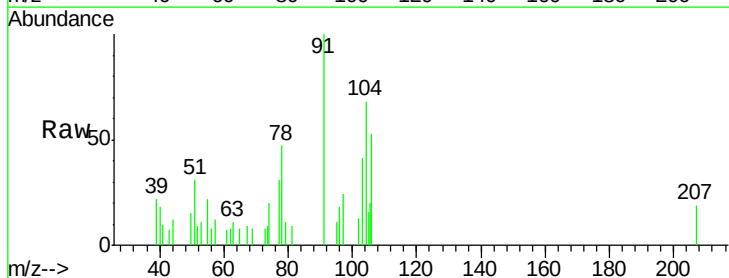
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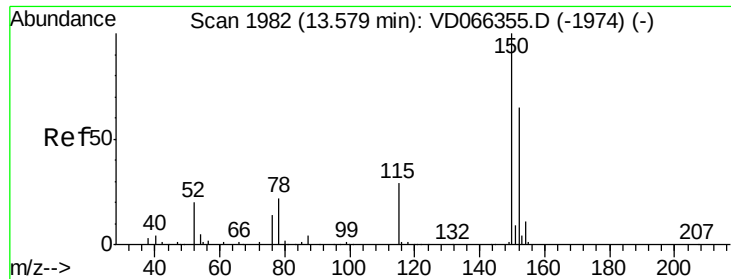
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#70
Styrene
Concen: 7.079 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	66.7	41.7	2698	62.5#	
103	59.0	43.5		65.3	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

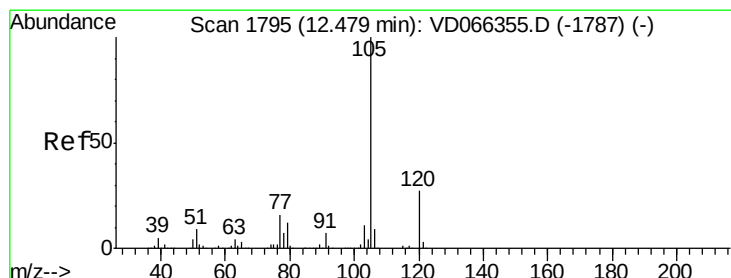
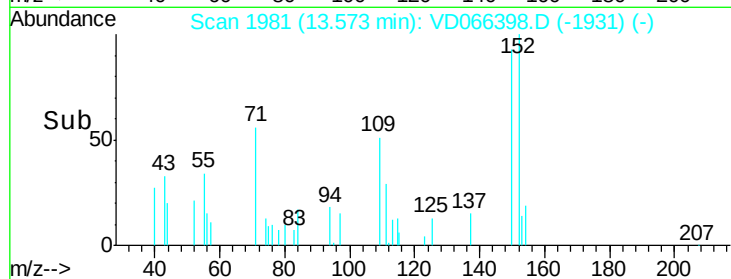
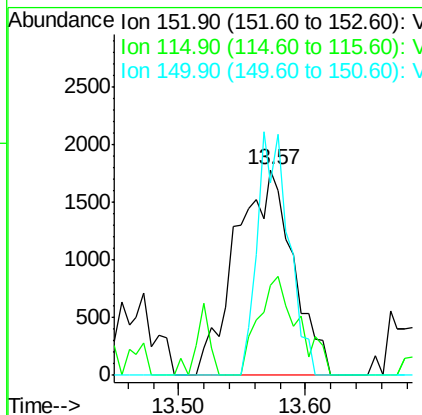
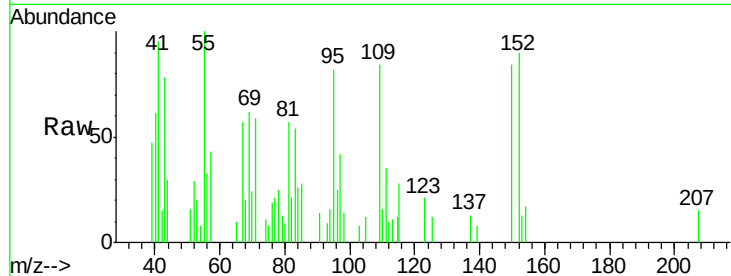
ClientSampled :

20071

Tot Ion:152 Resp: 5581
 Ion Ratio Lower Upper
 152 100
 115 33.5 28.3 85.0
 150 65.0 0.0 343.2

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#73

Isopropylbenzene

Concen: 11.370 ug/l

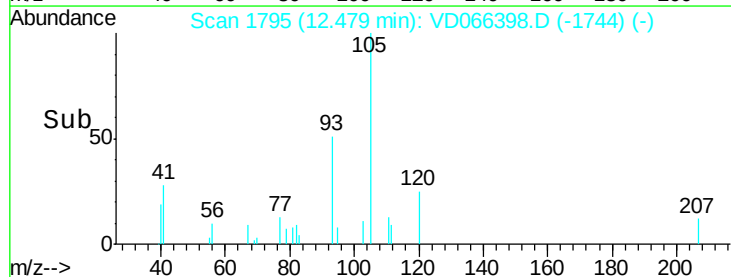
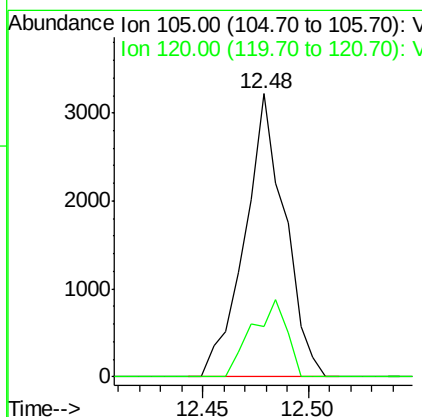
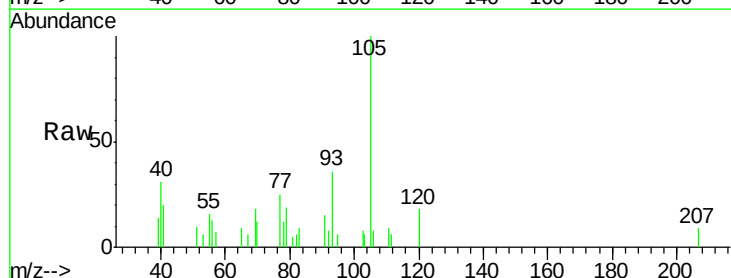
RT: 12.48 min Scan# 1795

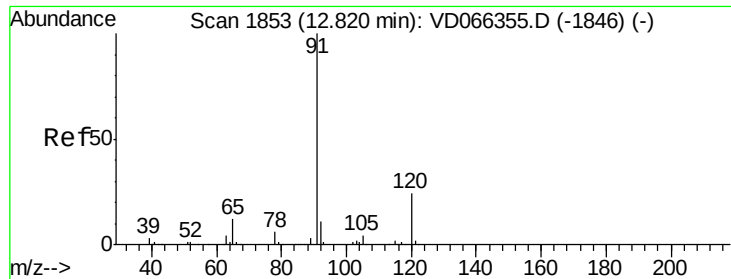
Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Tgt Ion:105 Resp: 4251
 Ion Ratio Lower Upper
 105 100
 120 23.5 13.6 40.8





#78

n-propylbenzene

Concen: 13.600 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion: 91 Resp: 5830

Ion Ratio Lower Upper

91 100

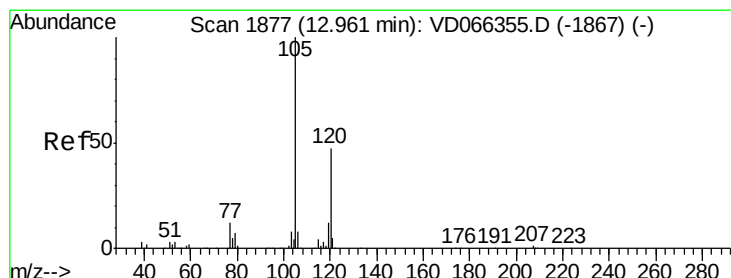
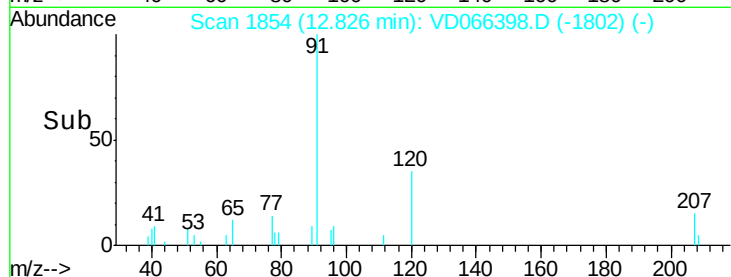
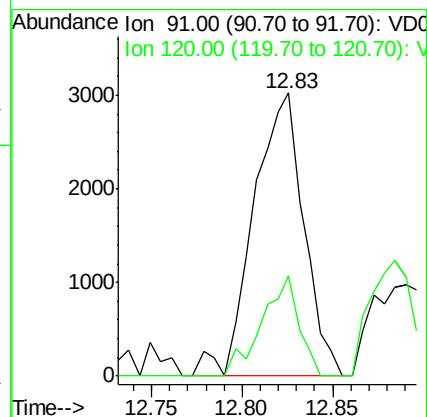
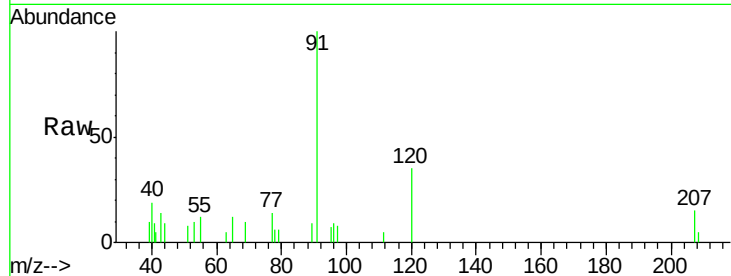
120 26.2 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.459 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066398.D

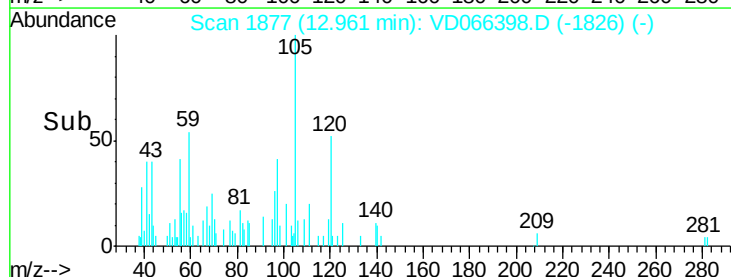
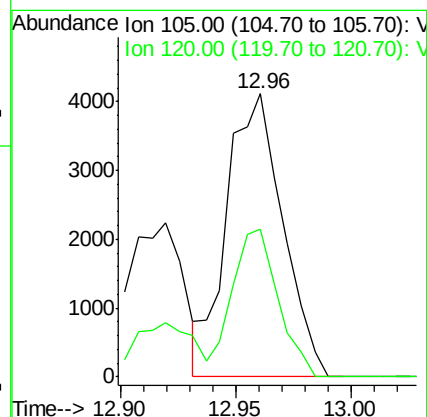
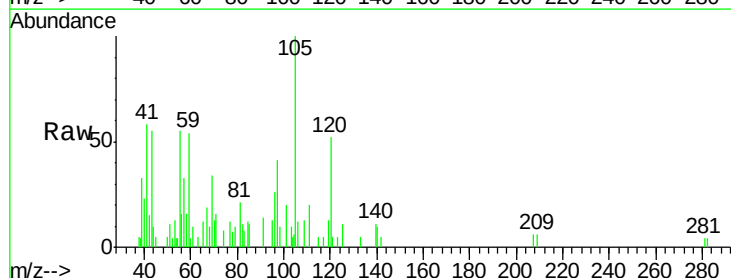
Acq: 25 Aug 2020 13:19

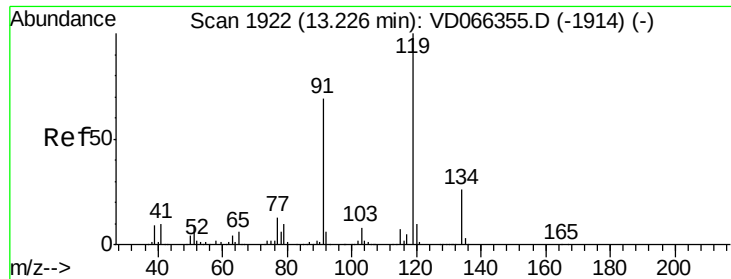
Tgt Ion: 105 Resp: 6927

Ion Ratio Lower Upper

105 100

120 42.8 24.1 72.2





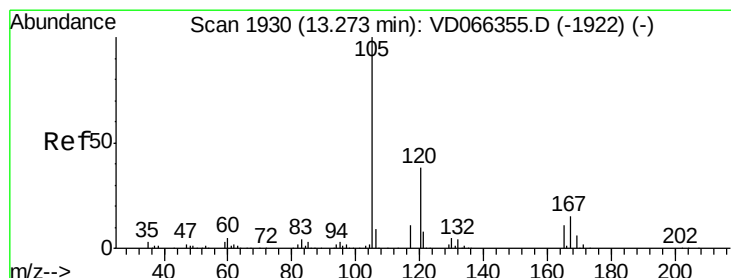
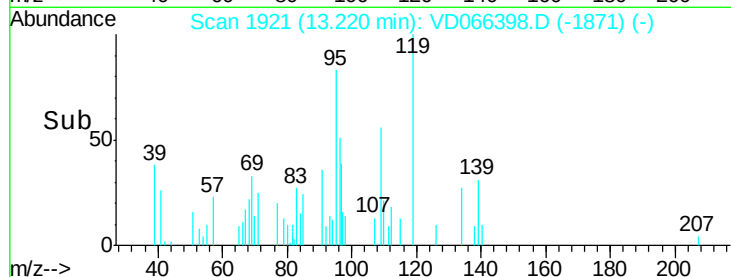
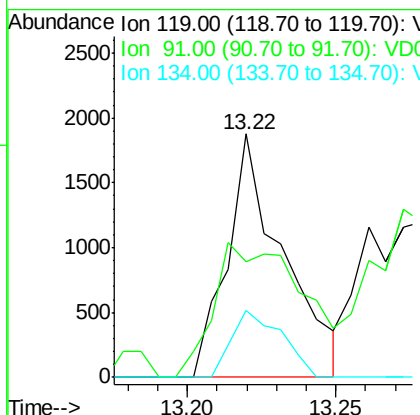
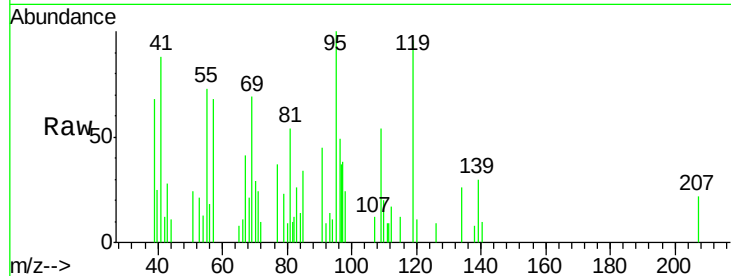
#83
 tert-Butylbenzene
 Concen: 8.752 ug/l m
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Instrument :
 MSVOA_D
 ClientSampled :
 20071

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	33.5	100.5#
134	0.0	13.5	40.4#

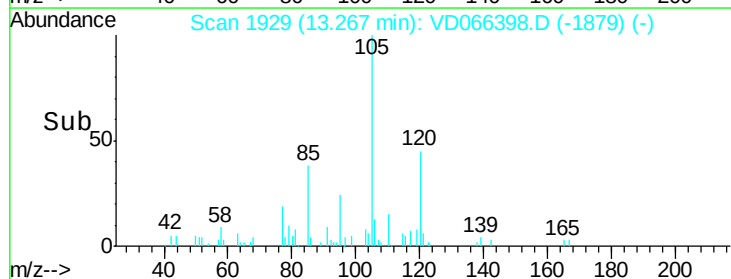
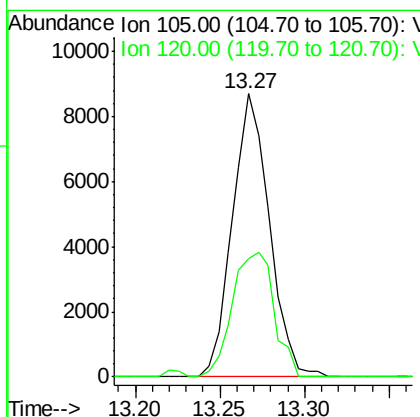
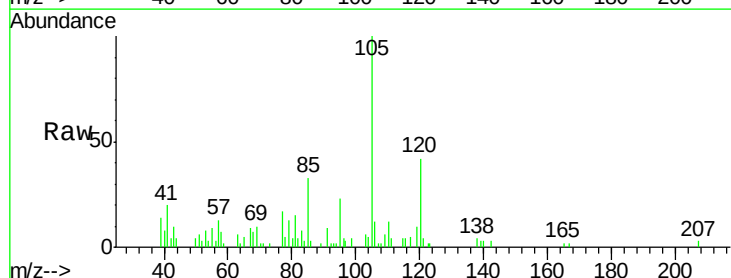
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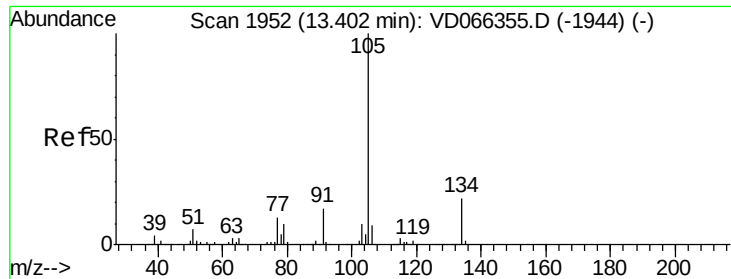
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#84
 1,2,4-Trimethylbenzene
 Concen: 41.835 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 16.717 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

Instrument :

MSVOA_D

ClientSampled :

20071

Tot Ion:105 Resp: 6141

Ion Ratio Lower Upper

105 100

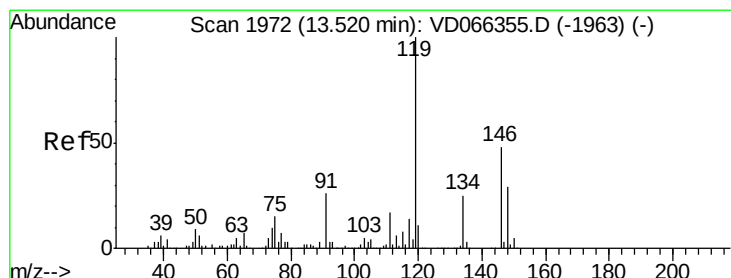
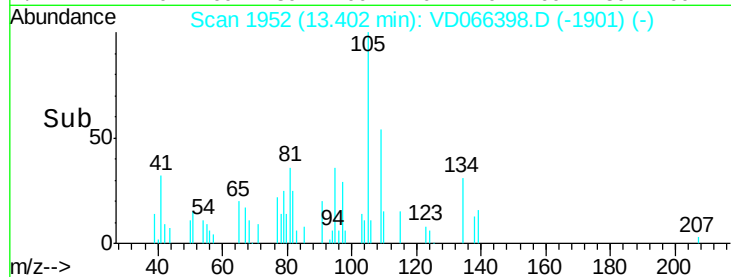
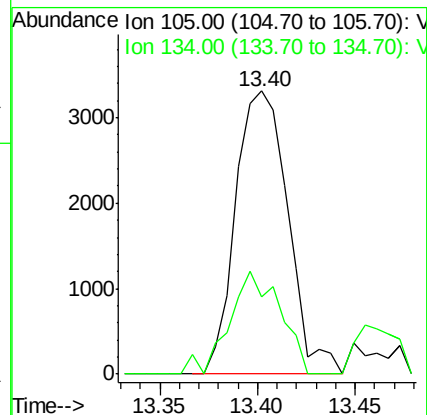
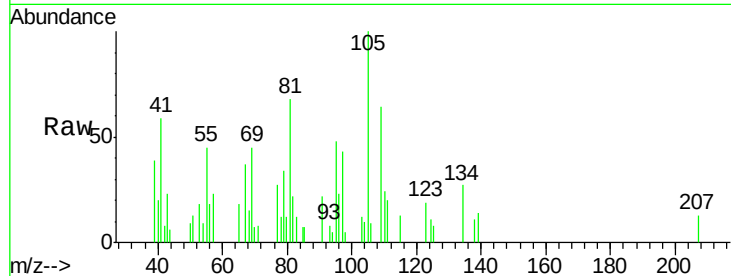
134 35.4 10.8 32.4#

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#86

p-Isopropyltoluene

Concen: 14.200 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066398.D

Acq: 25 Aug 2020 13:19

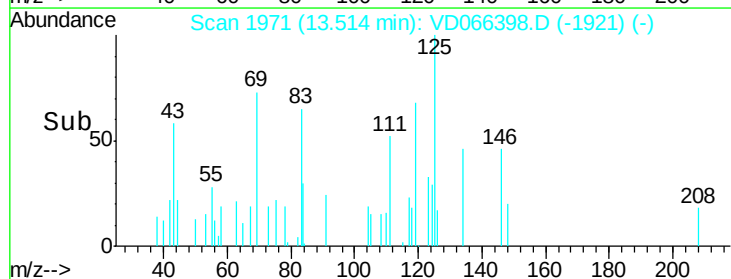
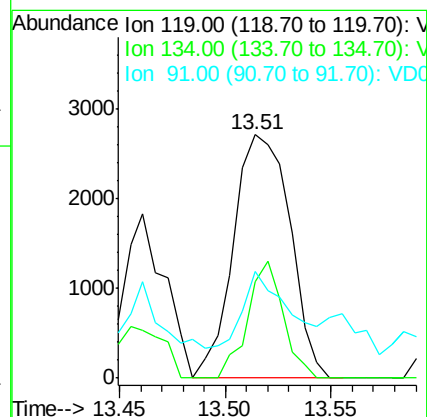
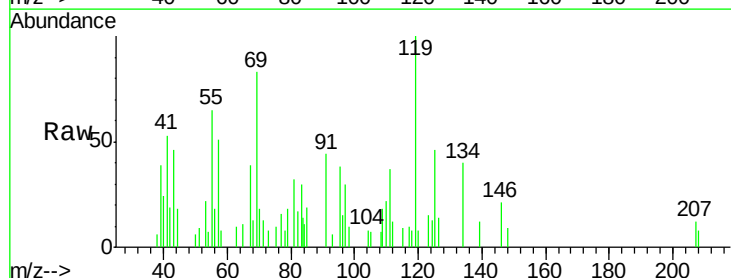
Tgt Ion:119 Resp: 5030

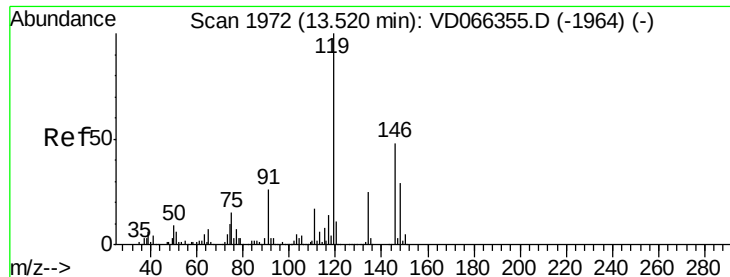
Ion Ratio Lower Upper

119 100

134 30.4 12.8 38.3

91 24.9 12.7 38.0





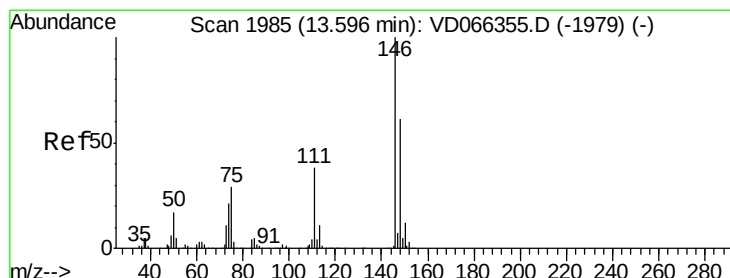
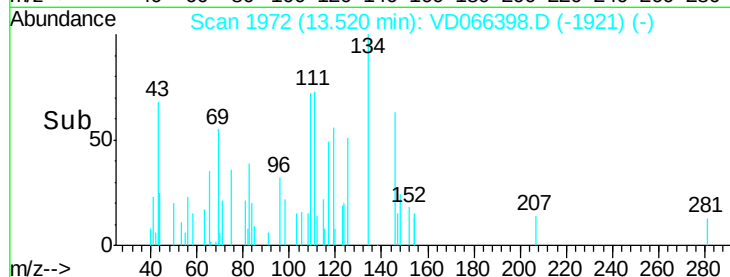
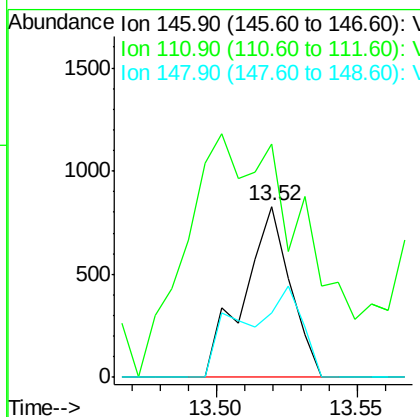
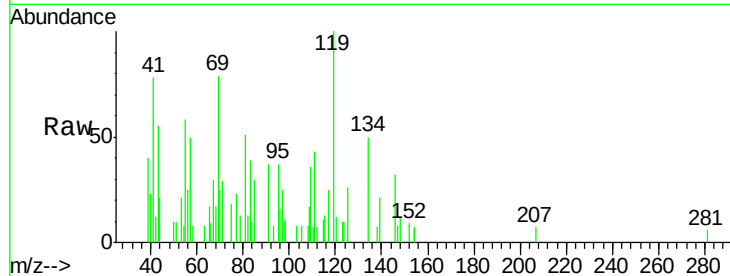
#87
 1,3-Dichlorobenzene
 Concen: 5.363 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Instrument :
 MSVOA_D
 ClientSampled :
 20071

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	68.1	31.8	95.3

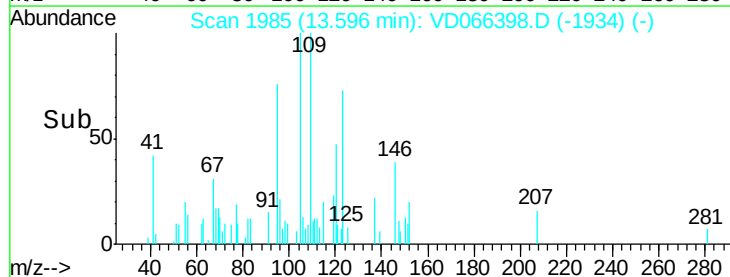
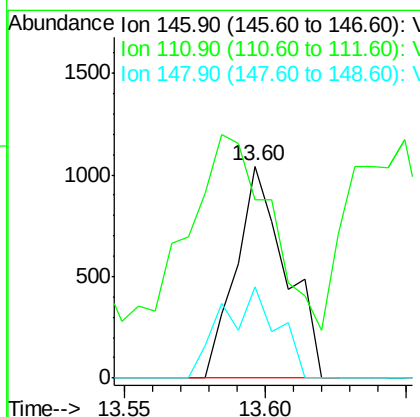
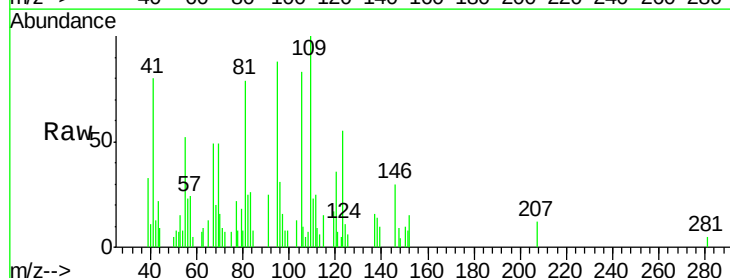
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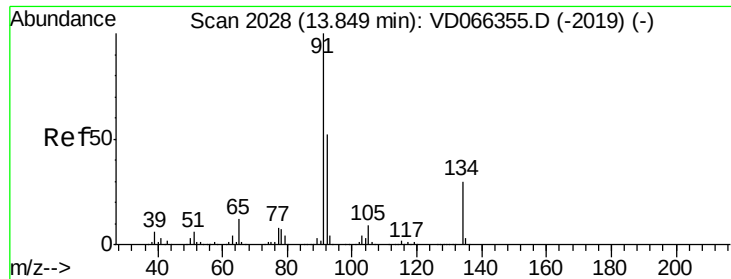
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#88
 1,4-Dichlorobenzene
 Concen: 7.174 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066398.D
 Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	142.5	19.1	57.5#
148	47.6	32.1	96.3





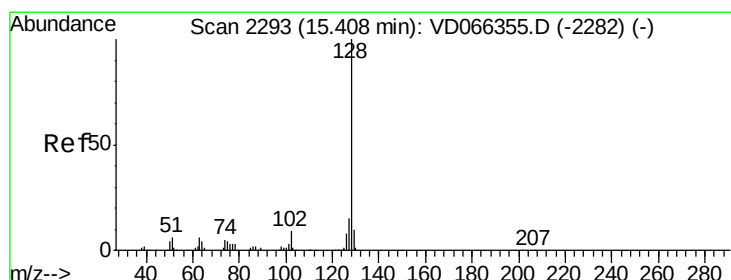
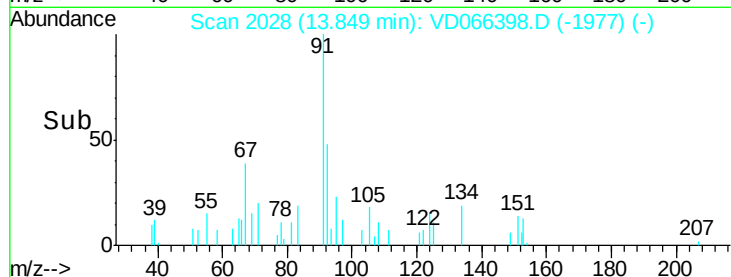
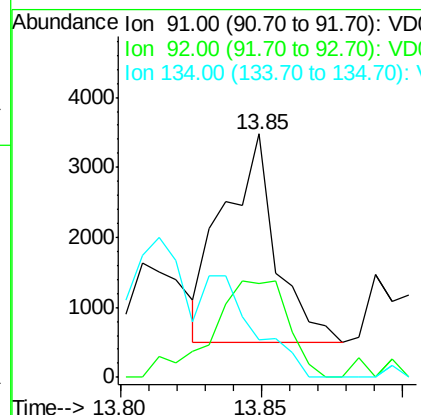
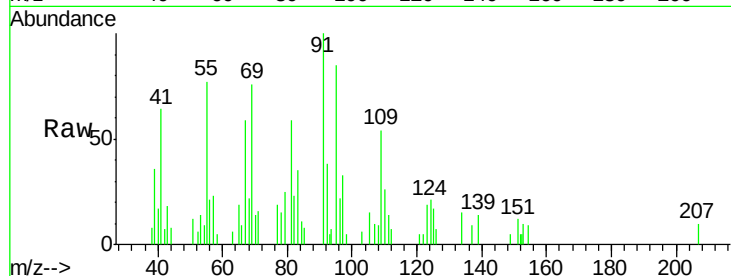
#89
n-Butylbenzene
Concen: 12.214 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion	Ratio	Resp	Lower	Upper
91	100	3818		
92	67.8		26.4	79.0
134	0.0		14.4	43.4#

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#95
Naphthalene
Concen: 71.549 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066398.D
Acq: 25 Aug 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	13378		
127	15.6		10.7	16.1
129	7.2		8.6	12.8#

