

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066762.D
 Acq On : 18 Sep 2020 13:23
 Operator : VA/SY
 Sample : L4057-01
 Misc : 1.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

Quant Time: Sep 19 07:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.12	168	1203586	50.00	ug/l	0.14
34) 1,4-Difluorobenzene	8.96	114	2079911	50.00	ug/l	0.10
63) Chlorobenzene-d5	11.67	117	1552549	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.58	152	317827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.47	65	243503	18.96	ug/l	0.14
Spiked Amount	50.000		Recovery	=	37.92%	
35) Dibromofluoromethane	8.07	113	273381	21.44	ug/l	0.16
Spiked Amount	50.000		Recovery	=	42.88%	
50) Toluene-d8	10.38	98	2484159	54.68	ug/l	0.05
Spiked Amount	50.000		Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.64	95	544185	34.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	69.40%	

Target Compounds

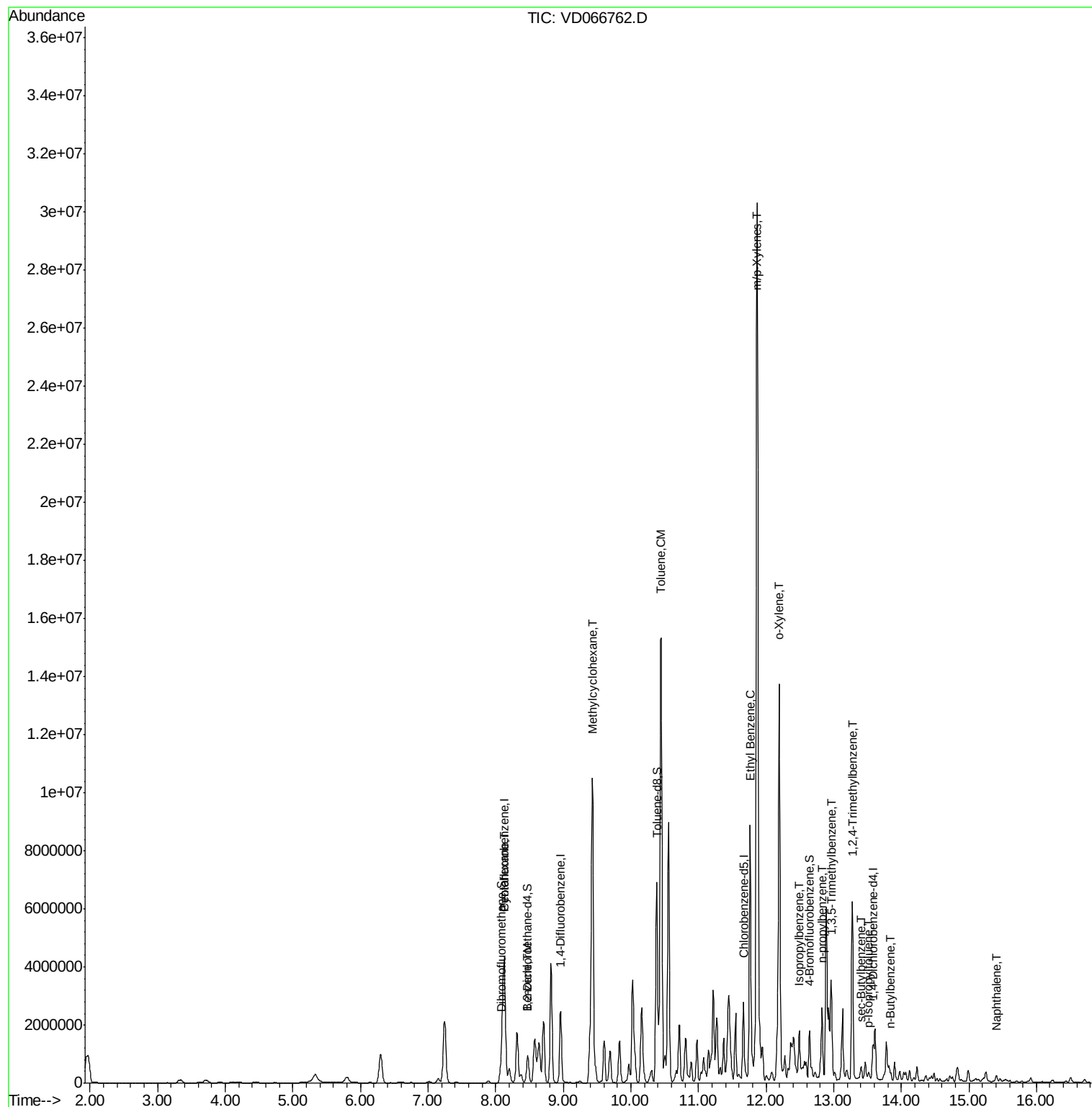
						Qvalue
31) Cyclohexane	8.13	56	1860860	82.036	ug/l	95
39) Methylcyclohexane	9.43	83	4577061	187.124	ug/l	98
40) Benzene	8.48	78	741070	12.809	ug/l	97
52) Toluene	10.45	92	7146250	192.819	ug/l	94
67) Ethyl Benzene	11.76	91	6181523	106.169	ug/l	99
68) m/p-Xylenes	11.87	106	8076035	367.000	ug/l	88
69) o-Xylene	12.20	106	3807431	195.793	ug/l	94
73) Isopropylbenzene	12.49	105	989334	41.697	ug/l	99
78) n-propylbenzene	12.83	91	1946012	67.282	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1156010	57.624	ug/l	95
84) 1,2,4-Trimethylbenzene	13.28	105	3524589	175.801	ug/l	99
85) sec-Butylbenzene	13.41	105	271376	11.448	ug/l	87
86) p-Isopropyltoluene	13.53	119	123623	5.736	ug/l	99
89) n-Butylbenzene	13.85	91	143328	6.994	ug/l #	84
95) Naphthalene	15.41	128	188800	19.874	ug/l	99

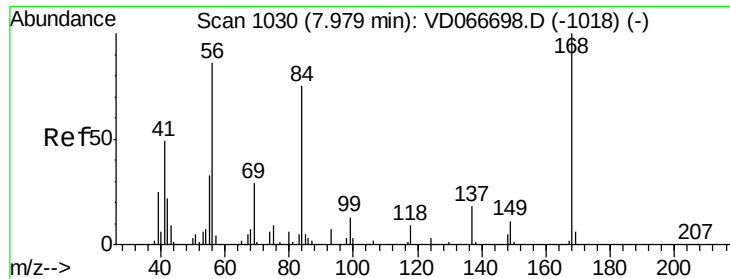
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.14 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

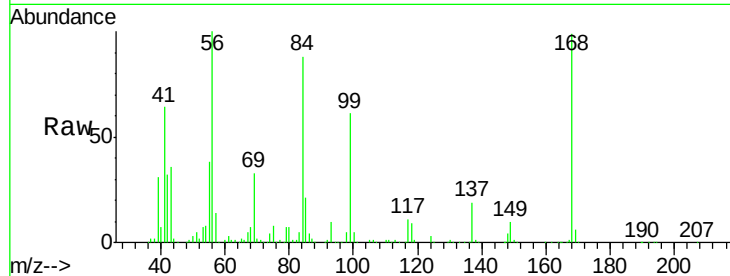
JA-DRUM-COMP

Tot Ion:168 Resp: 1203586

Ion Ratio Lower Upper

168 100

99 61.1 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.12

600000

500000

400000

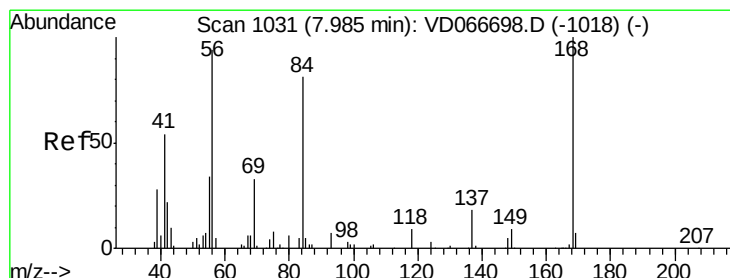
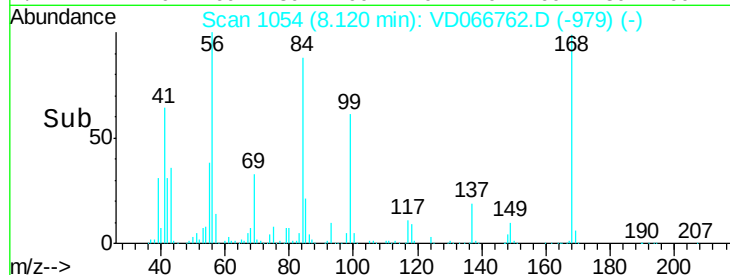
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 82.036 ug/l

RT: 8.13 min Scan# 1056

Delta R.T. 0.15 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

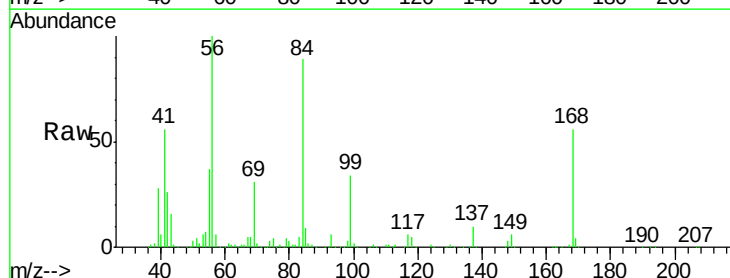
Tgt Ion: 56 Resp: 1860860

Ion Ratio Lower Upper

56 100

69 30.8 27.7 41.5

84 89.4 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

8.13

800000

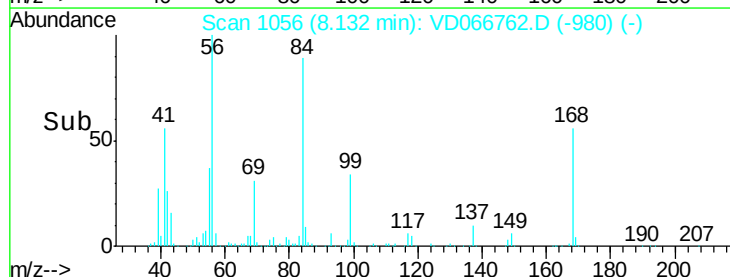
600000

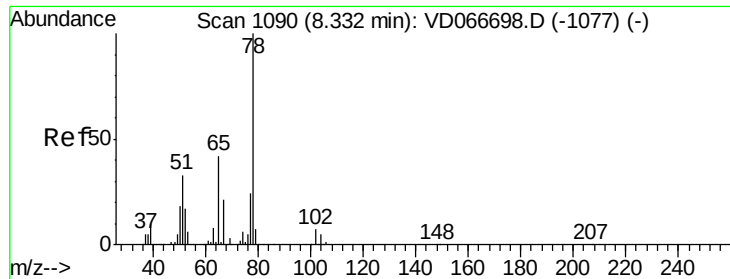
400000

200000

0

Time-->

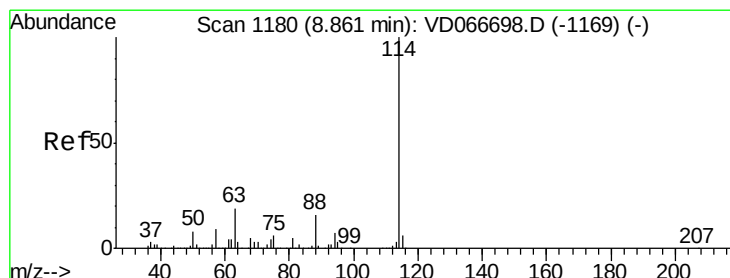
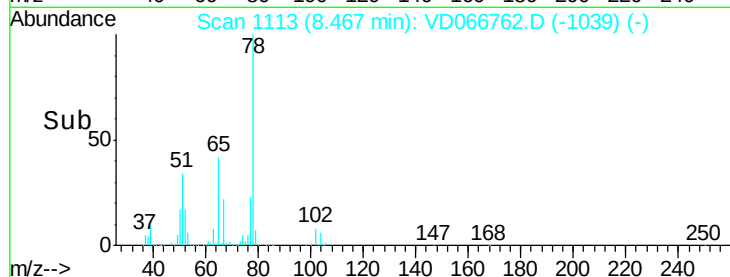
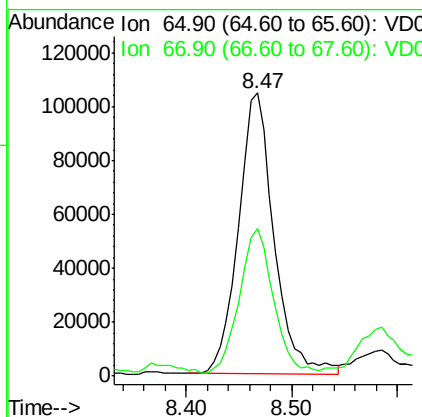
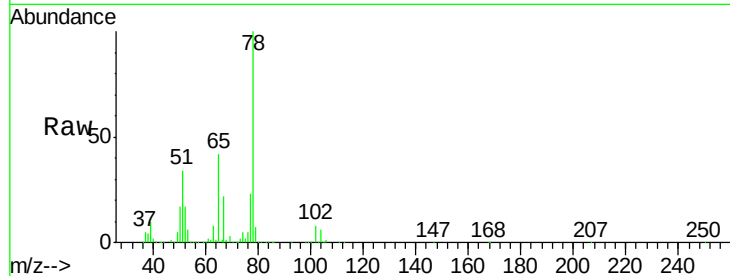




#33
 1,2-Dichloroethane-d4
 Concen: 18.962 ug/l
 RT: 8.47 min Scan# 1113
 Delta R.T. 0.14 min
 Lab File: VD066762.D
 Acq: 18 Sep 2020 13:23

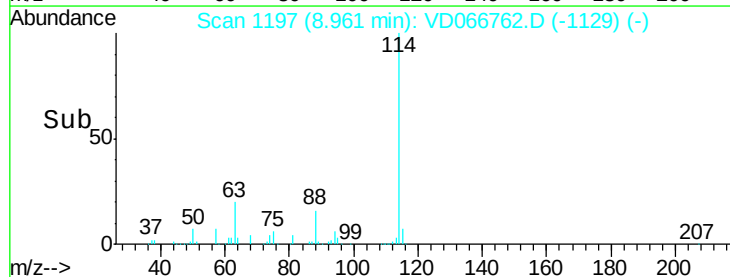
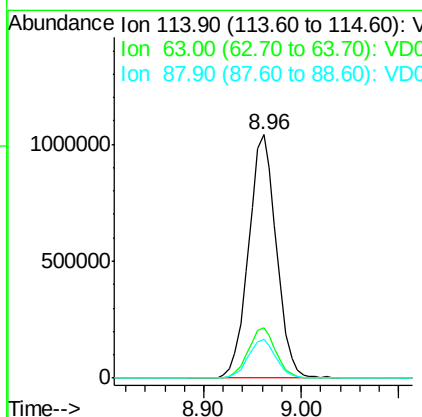
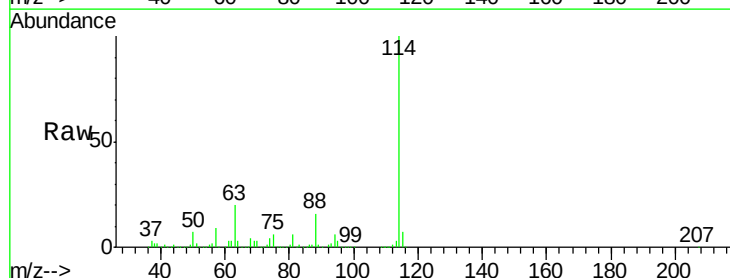
Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

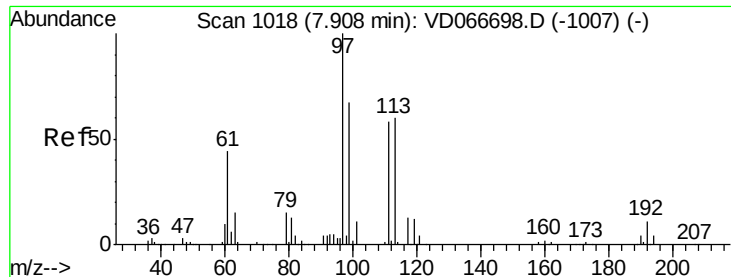
Tot Ion: 65 Resp: 243503
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.96 min Scan# 1197
 Delta R.T. 0.10 min
 Lab File: VD066762.D
 Acq: 18 Sep 2020 13:23

Tgt Ion: 114 Resp: 2079911
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.6
 88 15.7 0.0 32.2

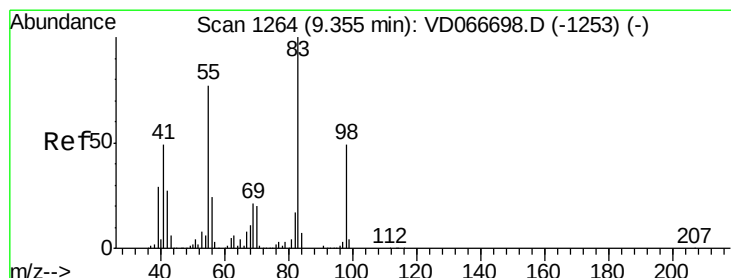
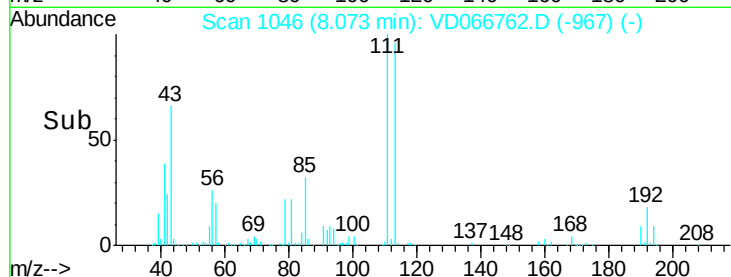
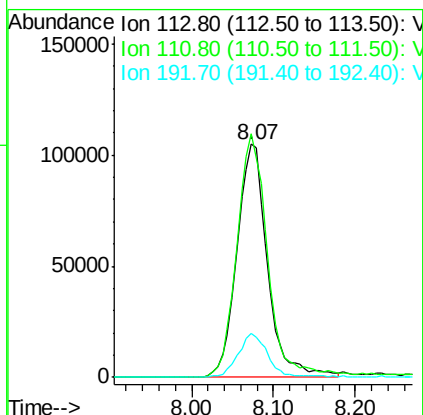
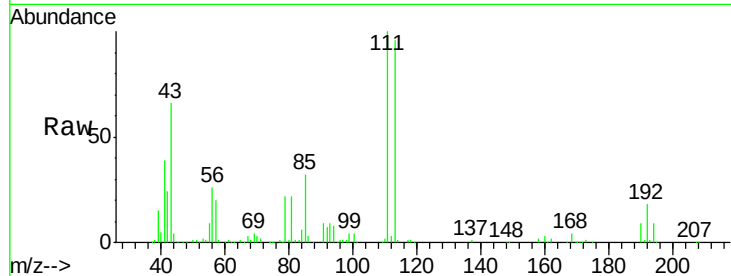




#35
Dibromofluoromethane
Concen: 21.439 ug/l
RT: 8.07 min Scan# 1046
Delta R.T. 0.16 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

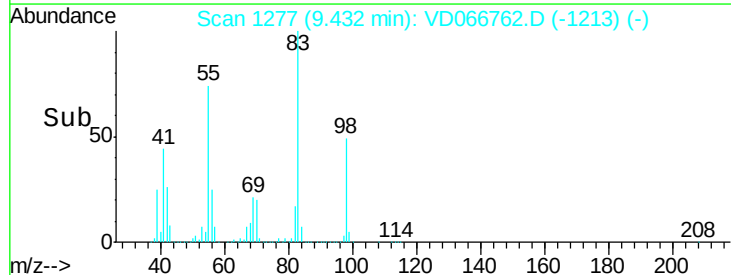
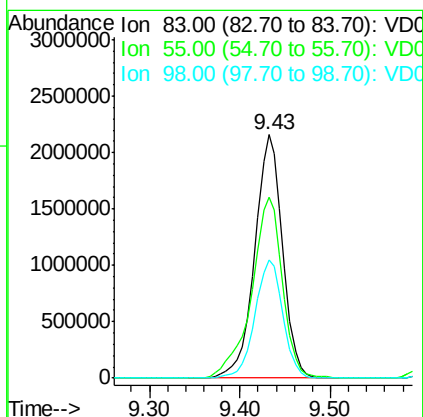
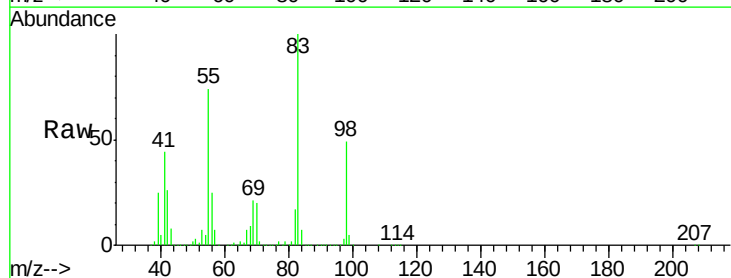
Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

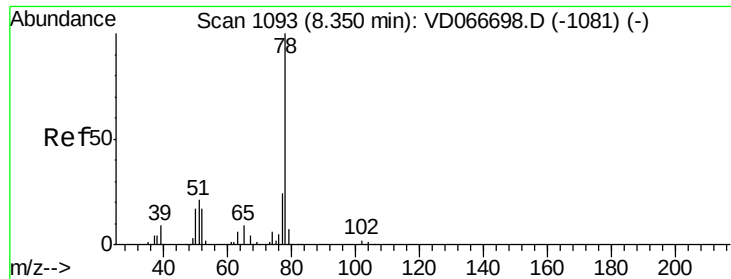
Tot Ion:113 Resp: 273381
Ion Ratio Lower Upper
113 100
111 105.7 83.2 124.8
192 18.1 14.8 22.2



#39
Methylcyclohexane
Concen: 187.124 ug/l
RT: 9.43 min Scan# 1277
Delta R.T. 0.08 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Tgt Ion: 83 Resp: 4577061
Ion Ratio Lower Upper
83 100
55 74.1 61.5 92.3
98 48.7 39.3 58.9





#40

Benzene

Concen: 12.809 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.13 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

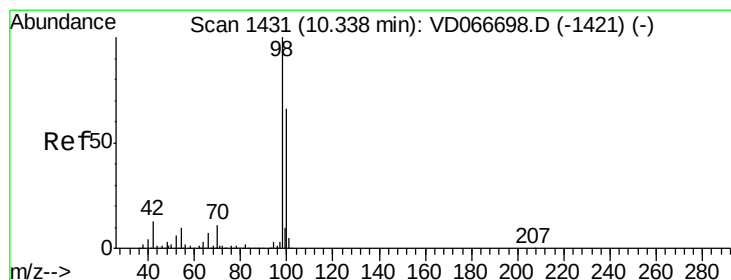
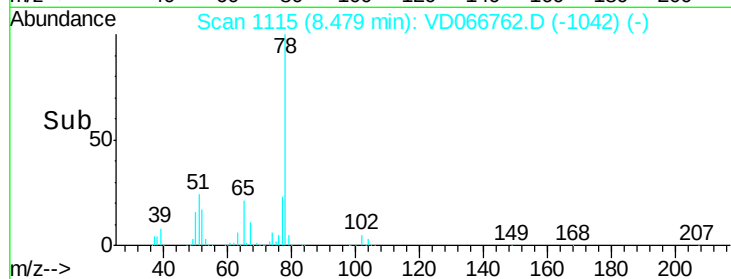
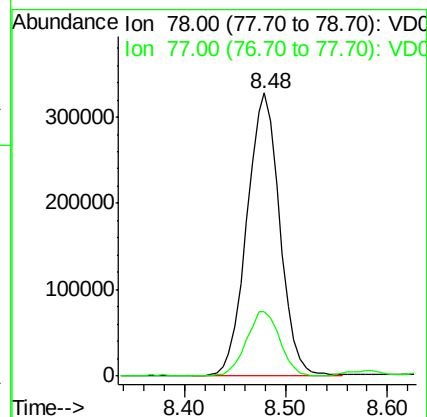
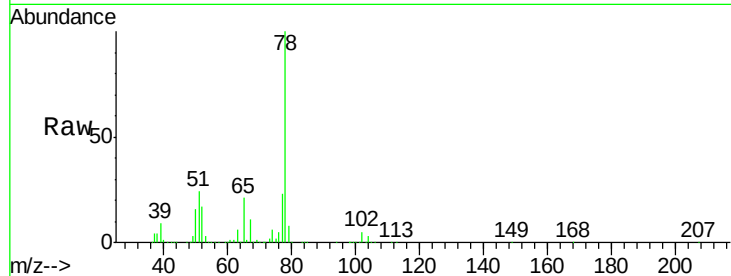
JA-DRUM-COMP

Tot Ion: 78 Resp: 741070

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9



#50

Toluene-d8

Concen: 54.679 ug/l

RT: 10.38 min Scan# 1439

Delta R.T. 0.05 min

Lab File: VD066762.D

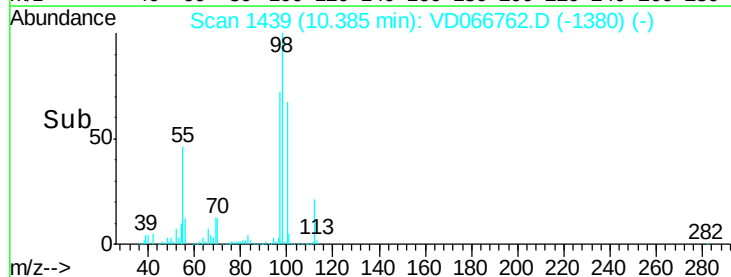
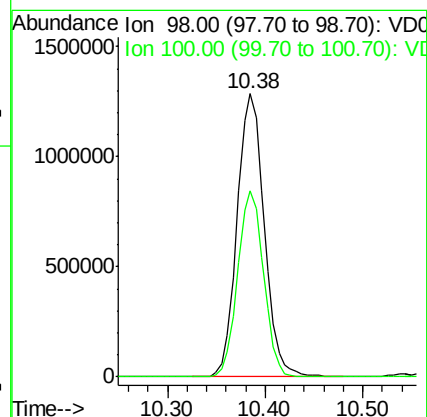
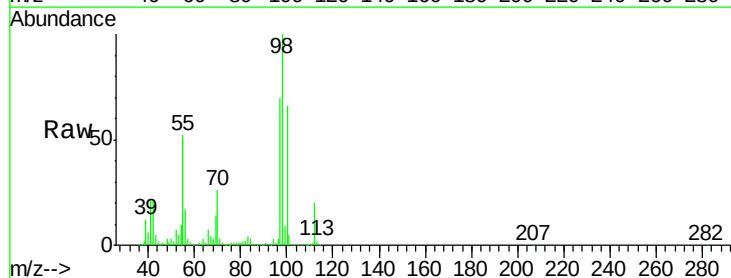
Acq: 18 Sep 2020 13:23

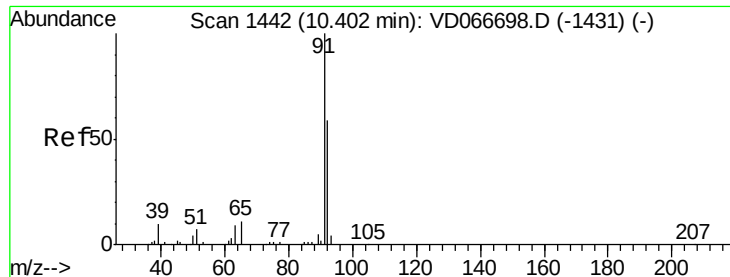
Tgt Ion: 98 Resp: 2484159

Ion Ratio Lower Upper

98 100

100 62.9 52.7 79.1





#52

Toluene

Concen: 192.819 ug/l

RT: 10.45 min Scan# 1450

Delta R.T. 0.05 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

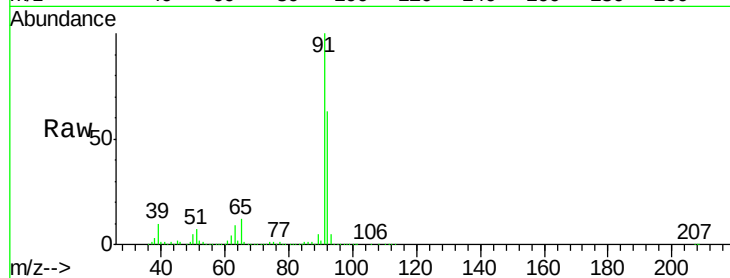
JA-DRUM-COMP

Tot Ion: 92 Resp: 7146250

Ion Ratio Lower Upper

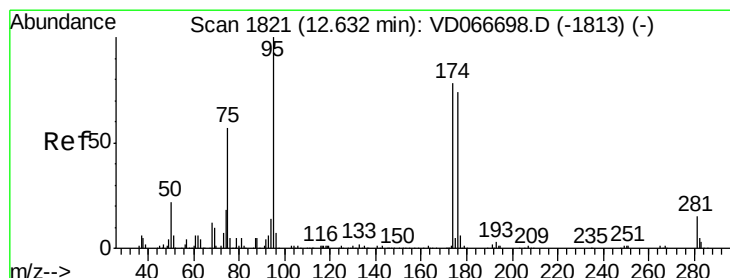
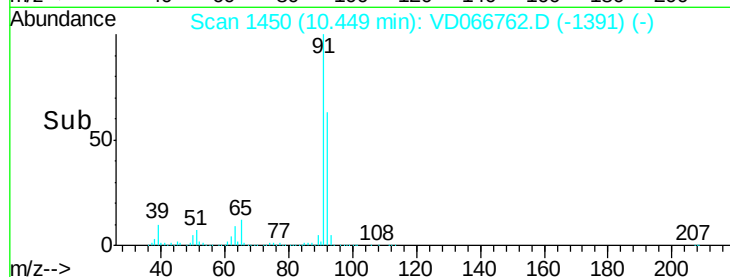
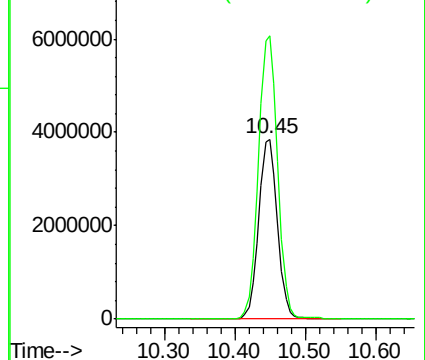
92 100

91 162.1 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 34.700 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

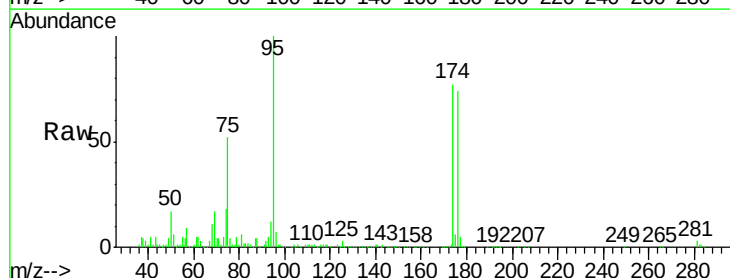
Tgt Ion: 95 Resp: 544185

Ion Ratio Lower Upper

95 100

174 76.8 0.0 156.6

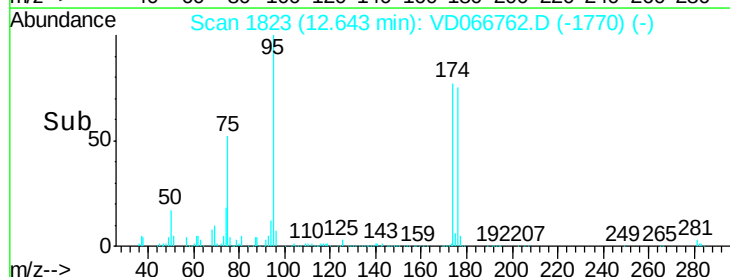
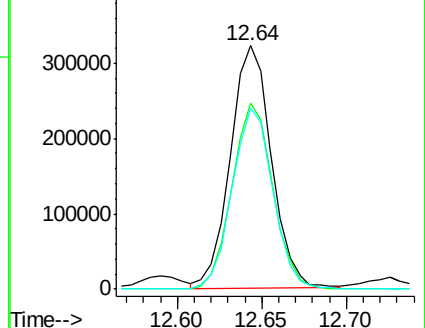
176 74.2 0.0 150.2

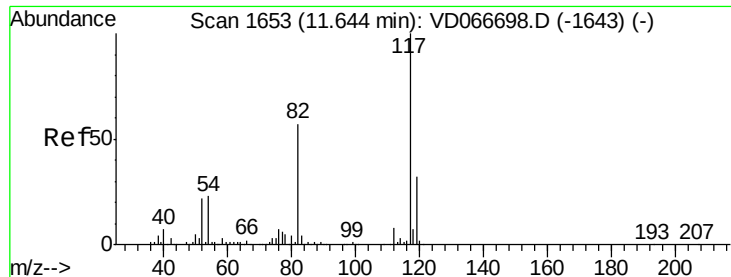


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

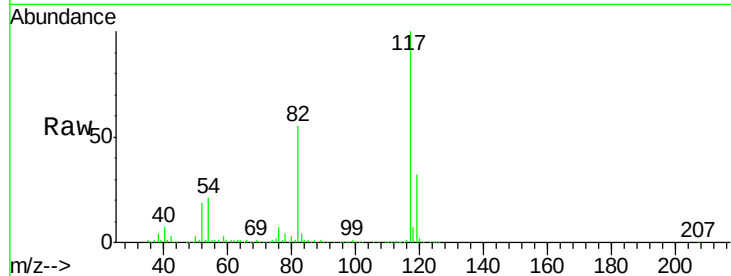




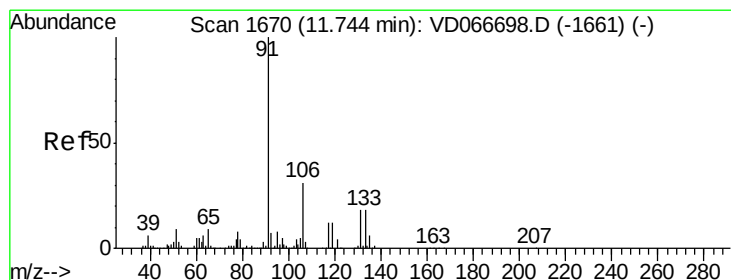
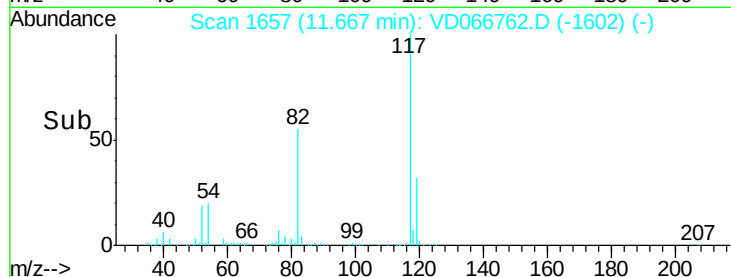
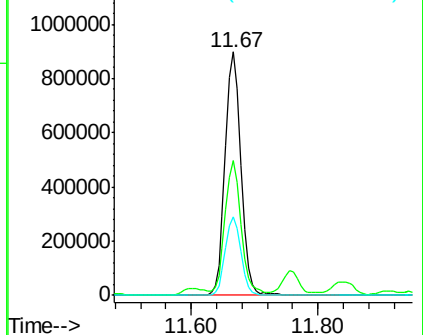
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.02 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

Tot Ion:117 Resp: 1552549
Ion Ratio Lower Upper
117 100
82 52.5 45.4 68.0
119 32.4 25.8 38.6

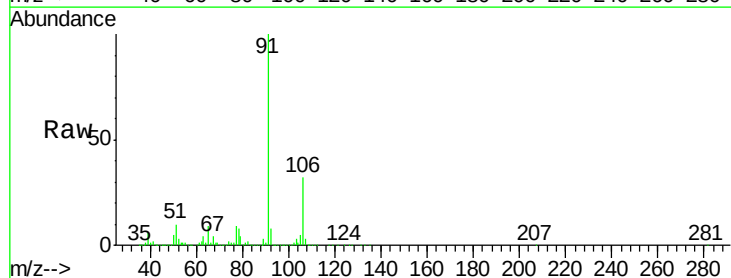


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

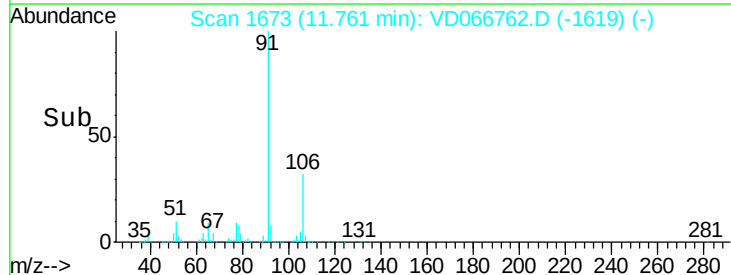
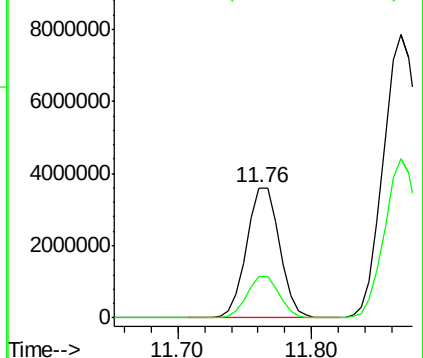


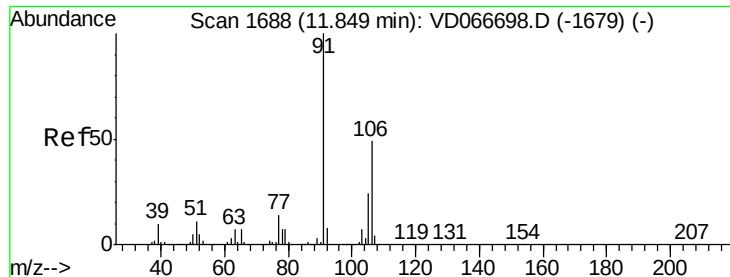
#67
Ethyl Benzene
Concen: 106.169 ug/l
RT: 11.76 min Scan# 1673
Delta R.T. 0.02 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Tgt Ion: 91 Resp: 6181523
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

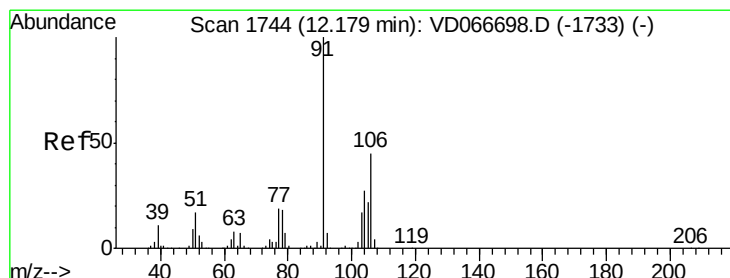
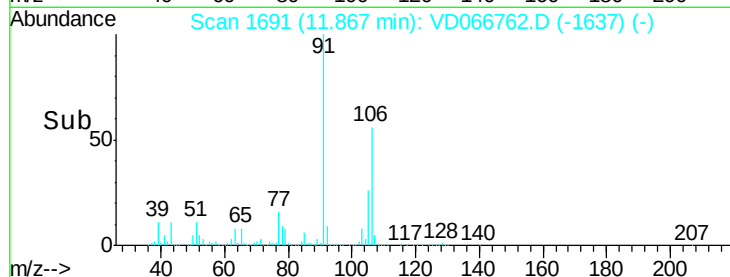
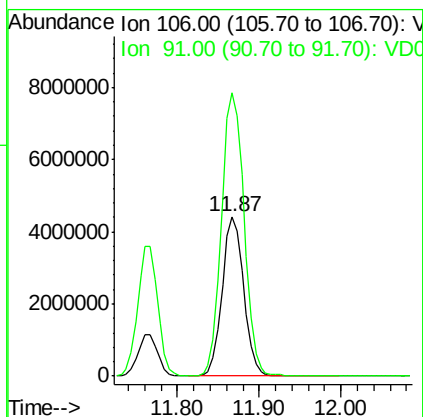
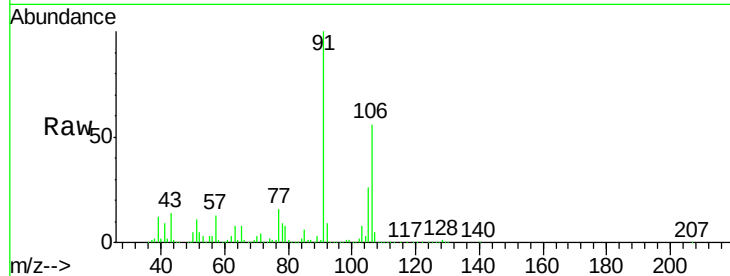




#68
m/p-Xylenes
Concen: 367.000 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

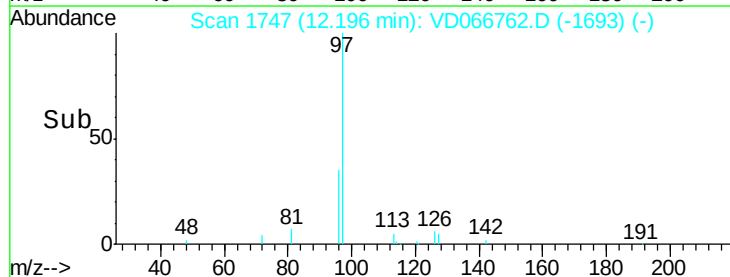
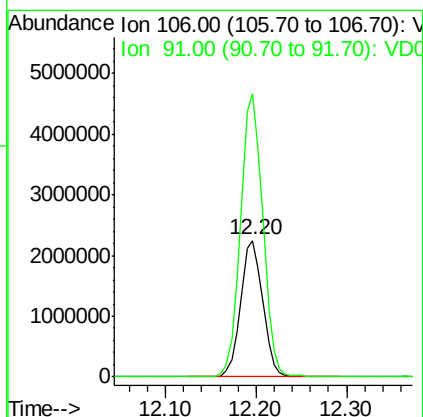
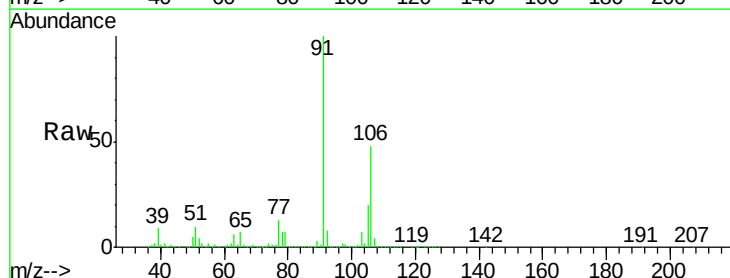
Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

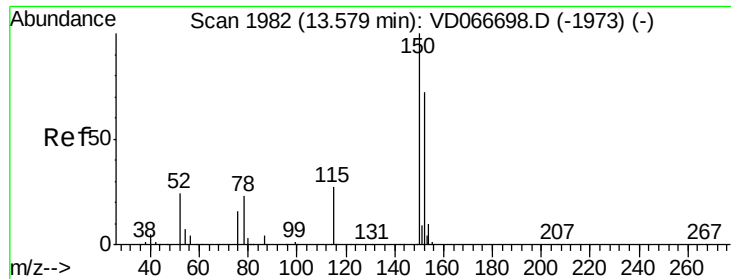
Tot Ion:106 Resp: 8076035
Ion Ratio Lower Upper
106 100
91 187.9 164.8 247.2



#69
o-Xylene
Concen: 195.793 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.02 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Tgt Ion:106 Resp: 3807431
Ion Ratio Lower Upper
106 100
91 209.8 109.4 328.2



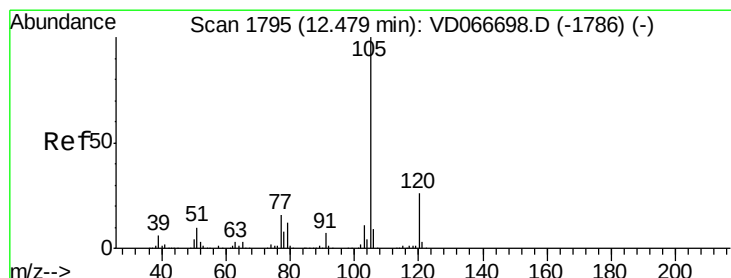
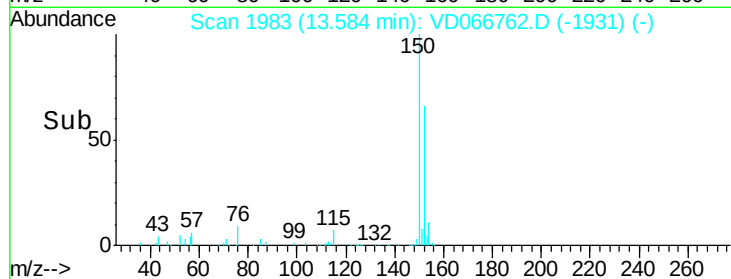
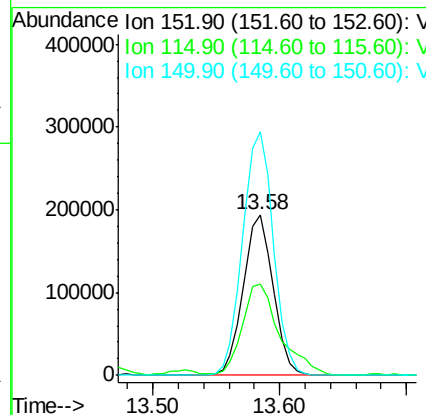
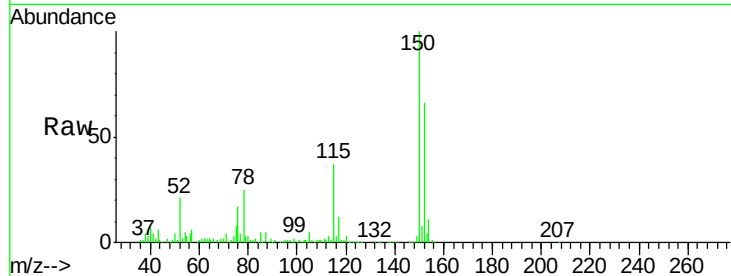


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

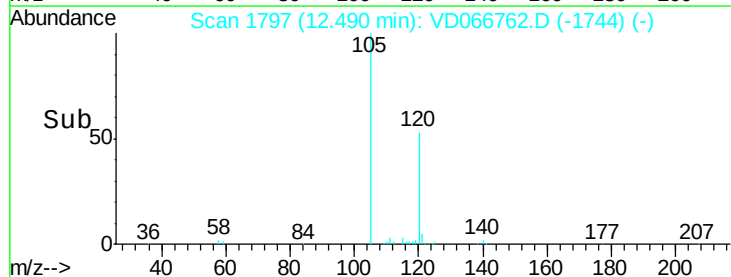
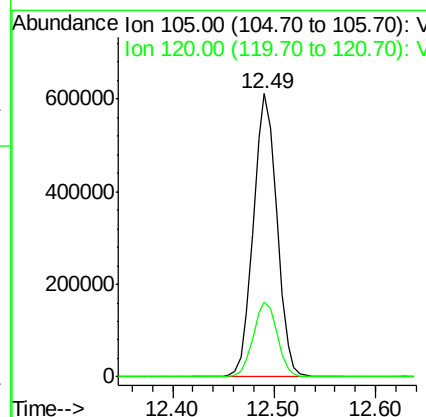
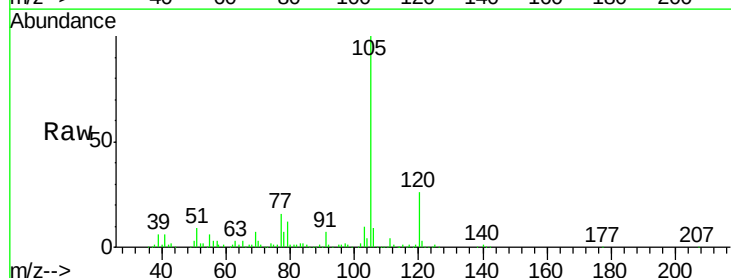
Tot Ion	Ratio	Lower	Upper
152	100		
115	71.0	30.5	91.5
150	155.9	0.0	344.6

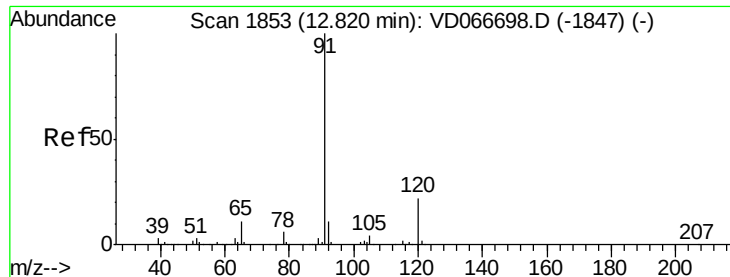


#73

Isopropylbenzene
Concen: 41.697 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD066762.D
Acq: 18 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1





#78

n-propylbenzene

Concen: 67.282 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

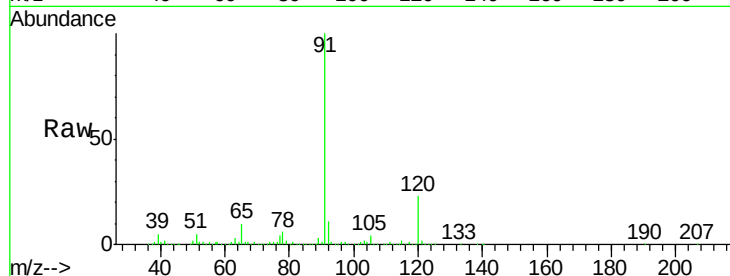
JA-DRUM-COMP

Tot Ion: 91 Resp: 1946012

Ion Ratio Lower Upper

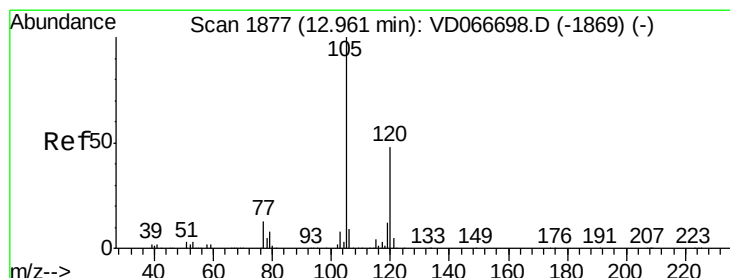
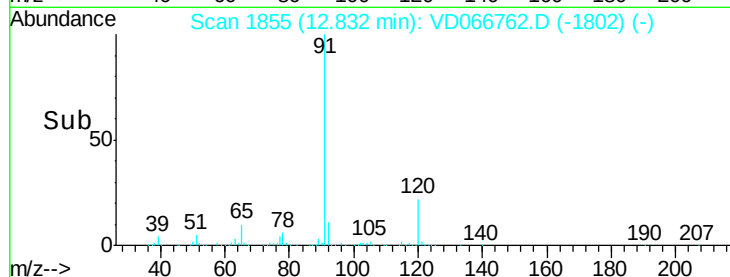
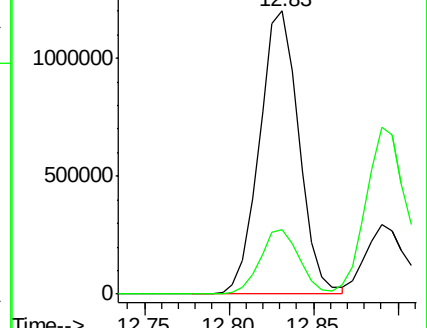
91 100

120 22.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 57.624 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066762.D

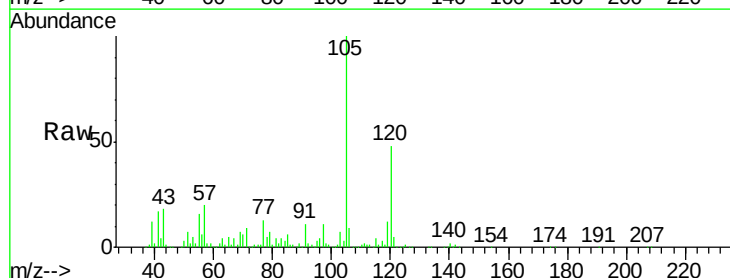
Acq: 18 Sep 2020 13:23

Tgt Ion: 105 Resp: 1156010

Ion Ratio Lower Upper

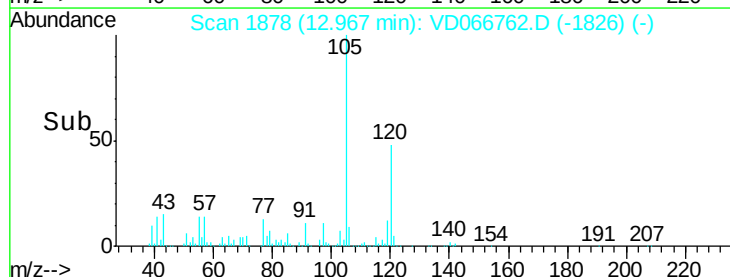
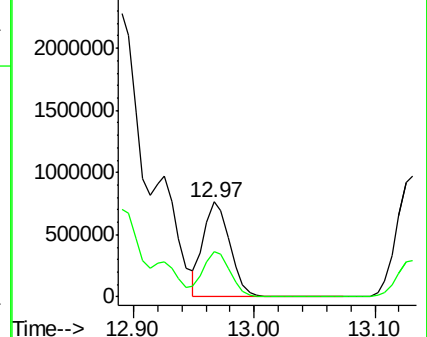
105 100

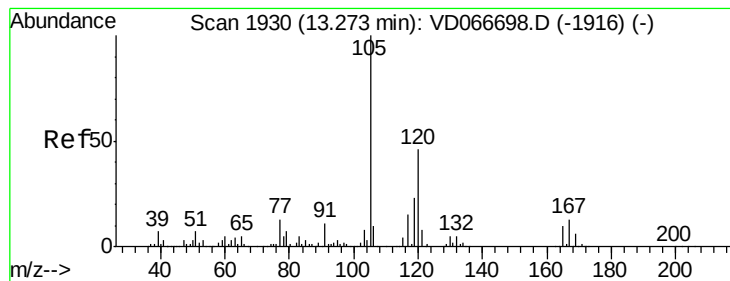
120 51.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 175.801 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

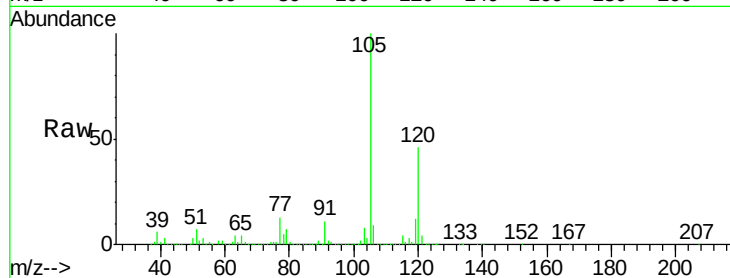
JA-DRUM-COMP

Tot Ion:105 Resp: 3524589

Ion Ratio Lower Upper

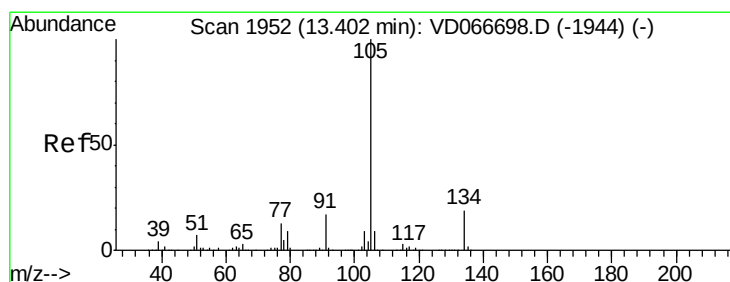
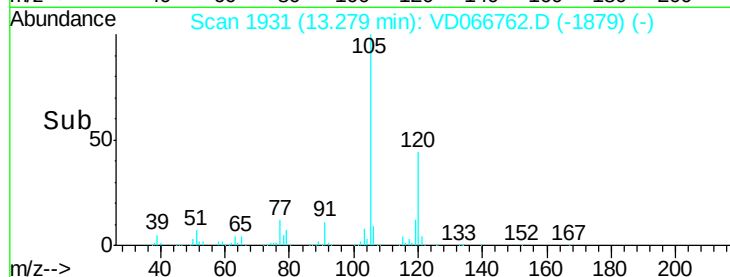
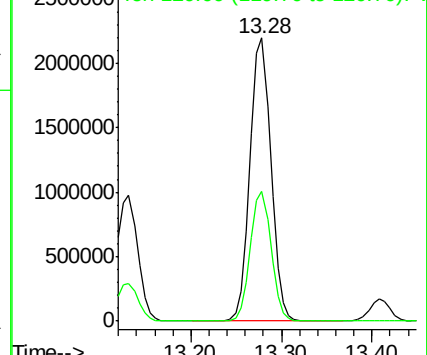
105 100

120 45.7 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 11.448 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066762.D

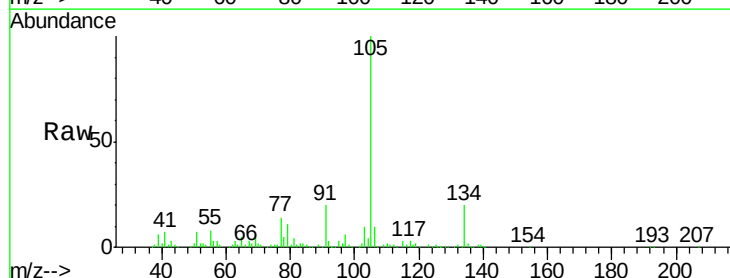
Acq: 18 Sep 2020 13:23

Tgt Ion:105 Resp: 271376

Ion Ratio Lower Upper

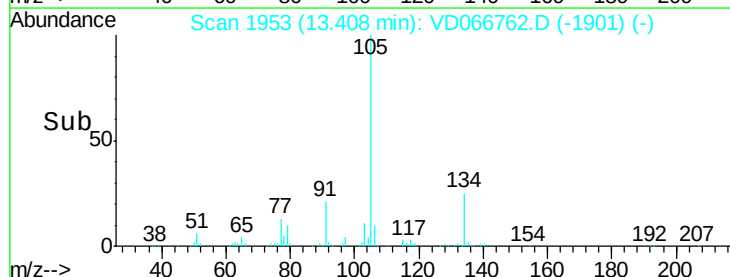
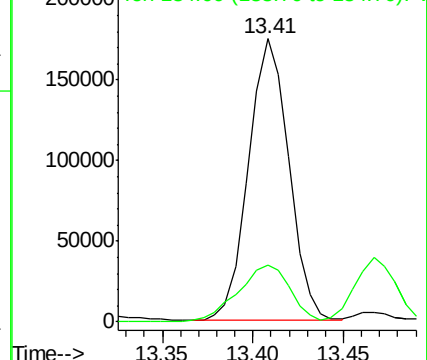
105 100

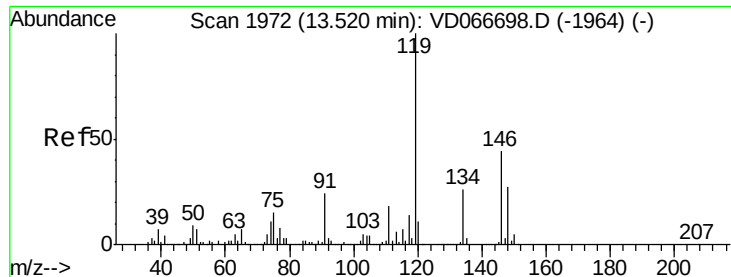
134 25.9 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

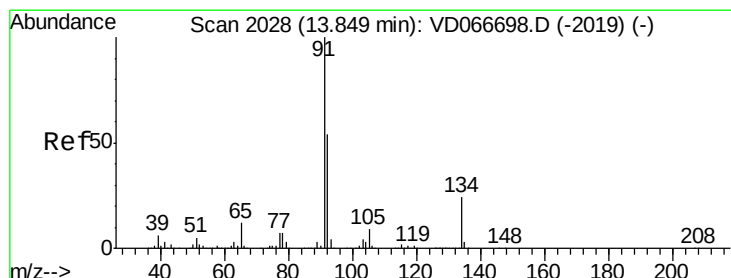
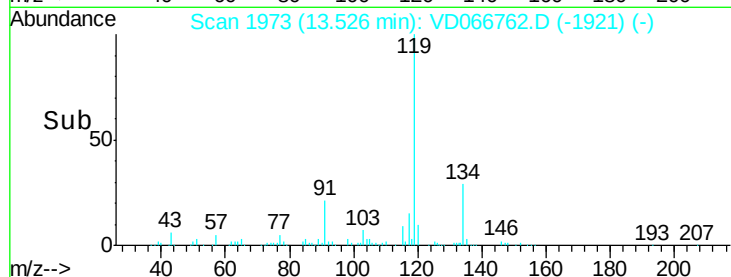
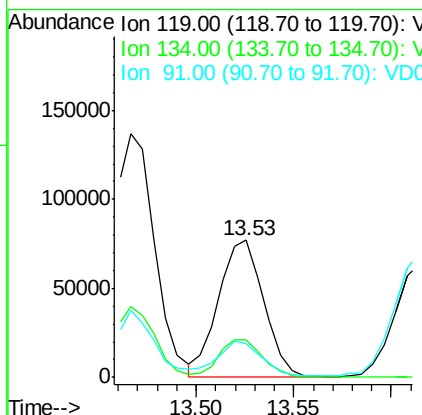
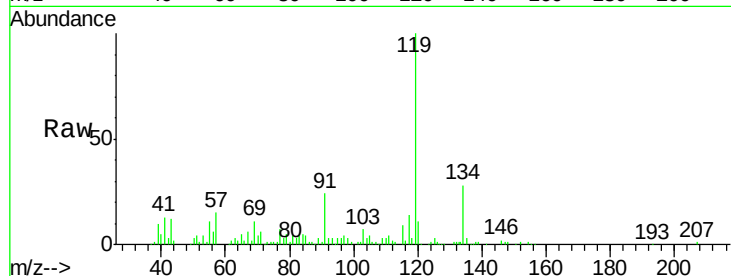




#86
 p-Isopropyltoluene
 Concen: 5.736 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066762.D
 Acq: 18 Sep 2020 13:23

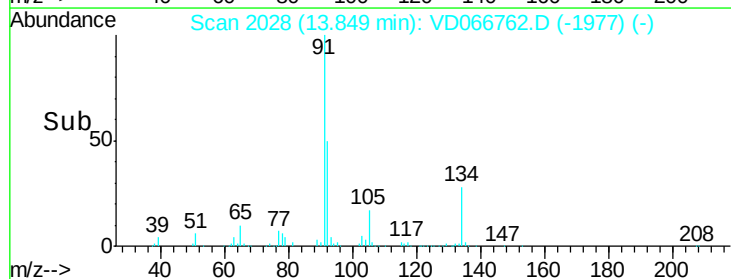
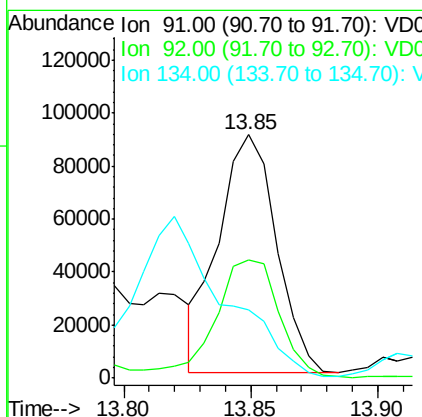
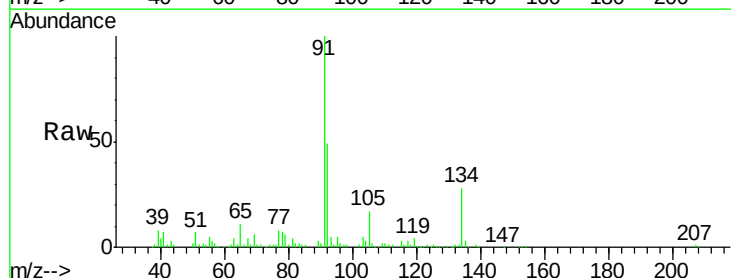
Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

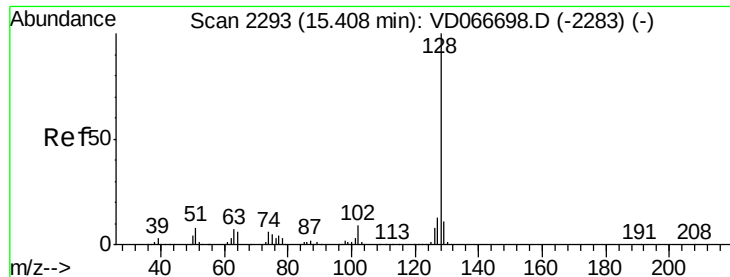
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.9	38.7
91	24.7	12.3	36.9



#89
 n-Butylbenzene
 Concen: 6.994 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: VD066762.D
 Acq: 18 Sep 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	81.0
134	0.0	12.4	37.0





#95

Naphthalene

Concen: 19.874 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066762.D

Acq: 18 Sep 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

JA-DRUM-COMP

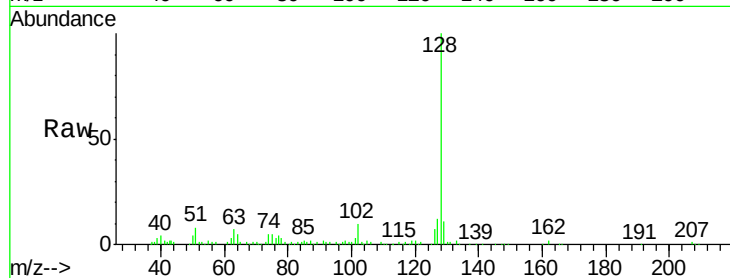
Tot Ion:128 Resp: 188800

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 10.7 8.6 12.8



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

