

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066819.D
 Acq On : 22 Sep 2020 19:02
 Operator : VA/SY
 Sample : L4057-01
 Misc : 1.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

Quant Time: Sep 23 03:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.11	168	1376502	50.00	ug/l	0.13
34) 1,4-Difluorobenzene	8.95	114	2445917	50.00	ug/l	0.09
63) Chlorobenzene-d5	11.66	117	1725252	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.58	152	296034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.45	65	378565	28.10	ug/l	0.12
Spiked Amount	50.000		Recovery	=	56.20%	
35) Dibromofluoromethane	8.06	113	330323	21.23	ug/l	0.14
Spiked Amount	50.000		Recovery	=	42.46%	
50) Toluene-d8	10.38	98	2760073	52.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.64	95	516216	28.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.88%	

Target Compounds

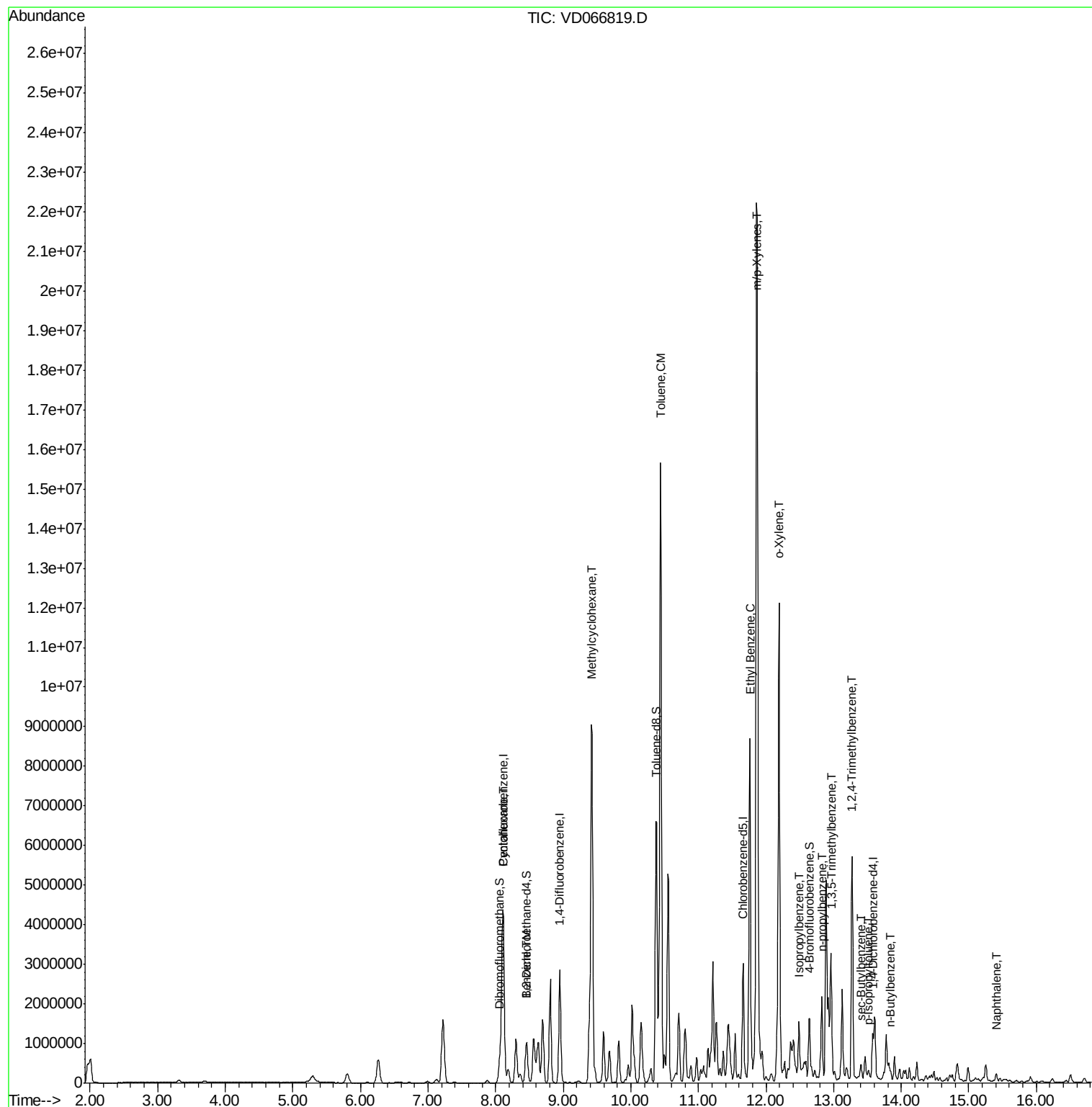
						Qvalue
31) Cyclohexane	8.11	56	1689718	68.977	ug/l	96
39) Methylcyclohexane	9.42	83	4100899	147.195	ug/l	97
40) Benzene	8.46	78	746445	11.038	ug/l	97
52) Toluene	10.44	92	7331130	168.295	ug/l	95
67) Ethyl Benzene	11.76	91	6054132	95.986	ug/l	99
68) m/p-Xylenes	11.86	106	6463249	270.652	ug/l	94
69) o-Xylene	12.19	106	3310822	153.326	ug/l	100
73) Isopropylbenzene	12.48	105	906228	42.376	ug/l	99
78) n-propylbenzene	12.83	91	1603291	62.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1112312	61.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	3171387	176.251	ug/l	99
85) sec-Butylbenzene	13.41	105	227969	10.632	ug/l	86
86) p-Isopropyltoluene	13.52	119	107743	5.575	ug/l	99
89) n-Butylbenzene	13.84	91	114813	6.250	ug/l #	83
95) Naphthalene	15.40	128	169027	18.708	ug/l	98

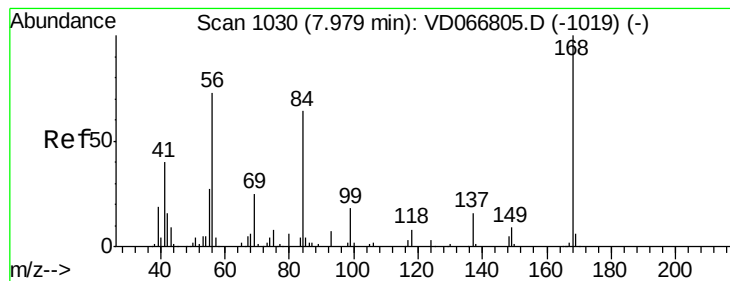
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
Data File : VD066819.D
Acq On : 22 Sep 2020 19:02
Operator : VA/SY
Sample : L4057-01
Misc : 1.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

Quant Time: Sep 23 03:06:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.13 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

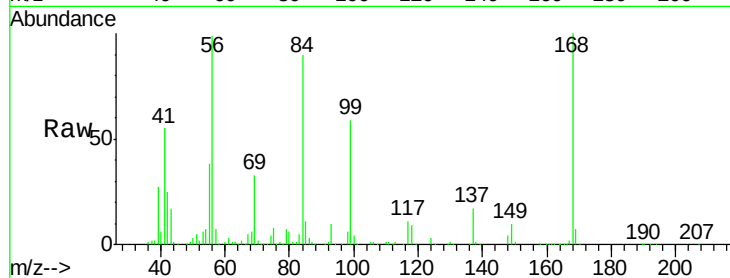
JA-DRUM-COMP

Tot Ion:168 Resp: 1376502

Ion Ratio Lower Upper

168 100

99 58.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.11

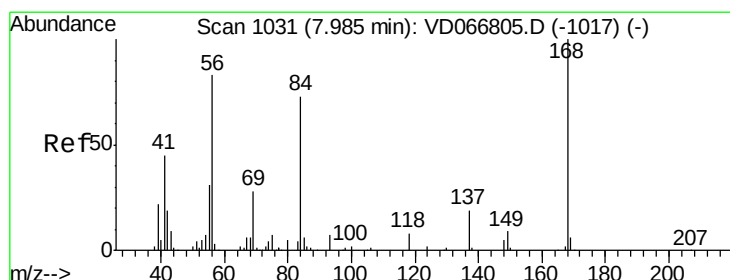
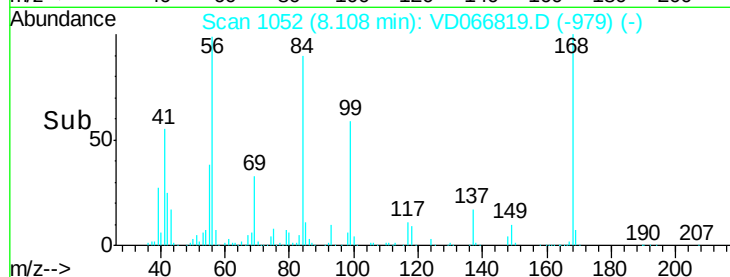
600000

400000

200000

0

Time-->



#31

Cyclohexane

Concen: 68.977 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.13 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

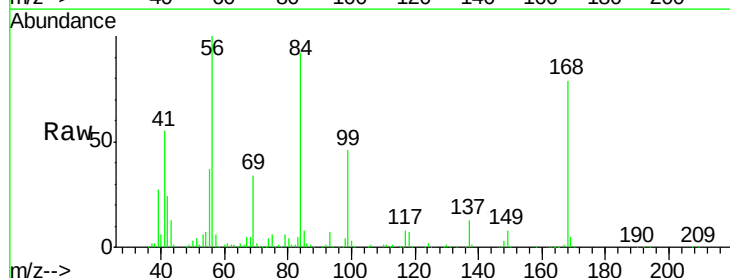
Tgt Ion: 56 Resp: 1689718

Ion Ratio Lower Upper

56 100

69 34.2 27.0 40.4

84 92.1 70.2 105.4



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

8.11

800000

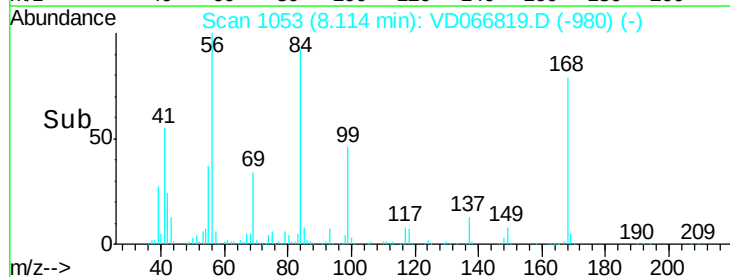
600000

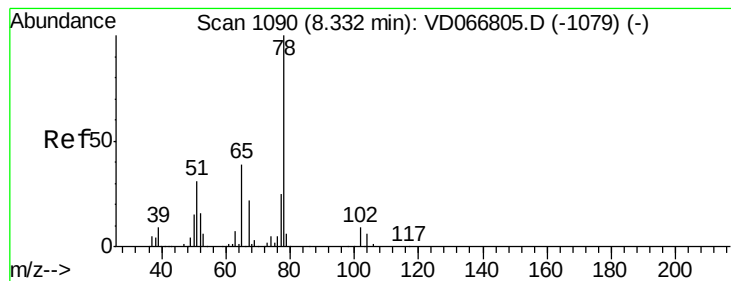
400000

200000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 28.099 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.12 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

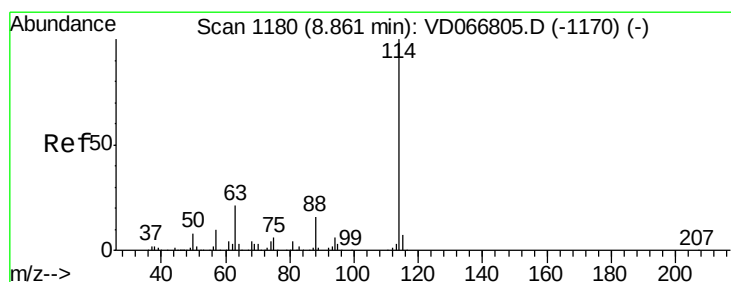
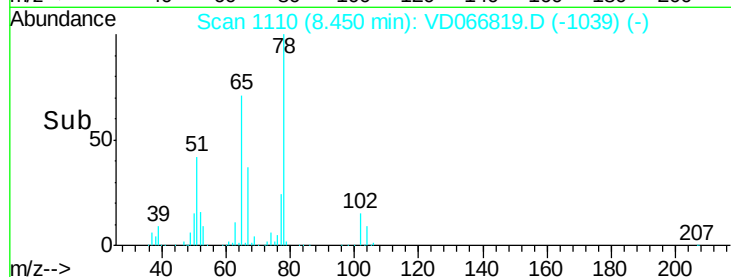
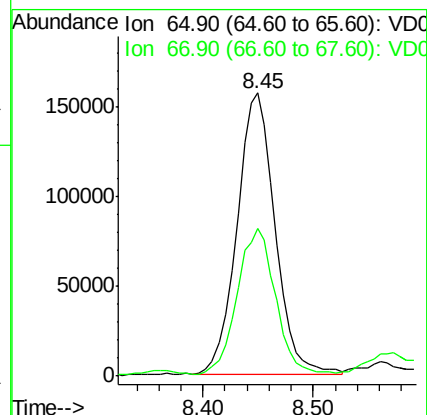
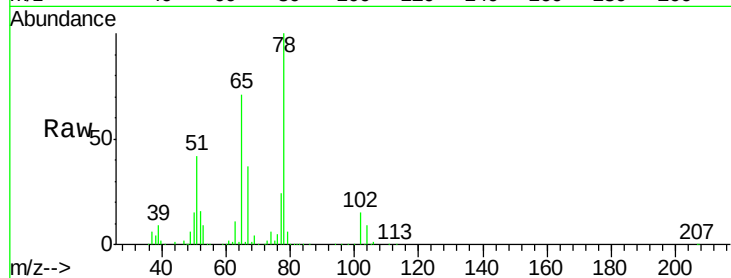
JA-DRUM-COMP

Tot Ion: 65 Resp: 378565

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.95 min Scan# 1195

Delta R.T. 0.09 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

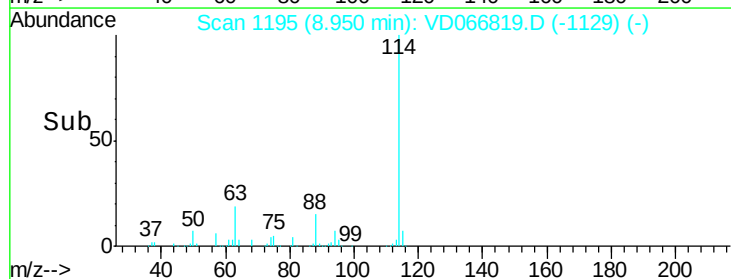
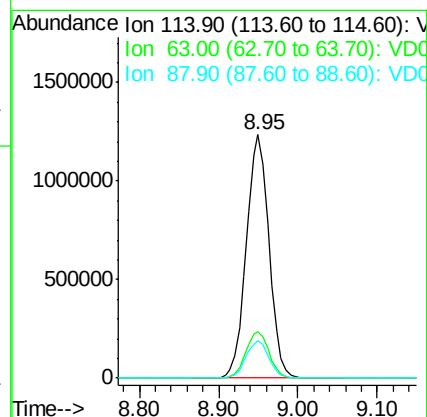
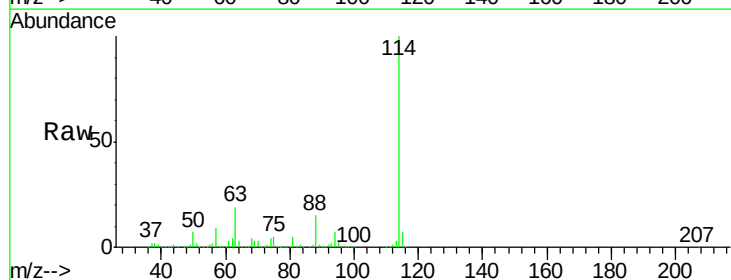
Tgt Ion: 114 Resp: 2445917

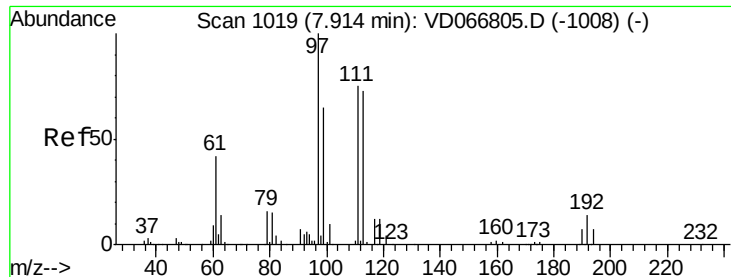
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.2 0.0 32.6

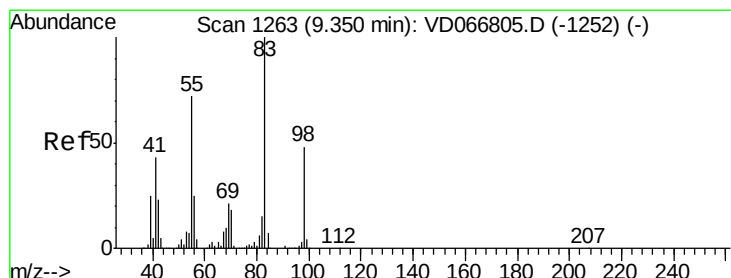
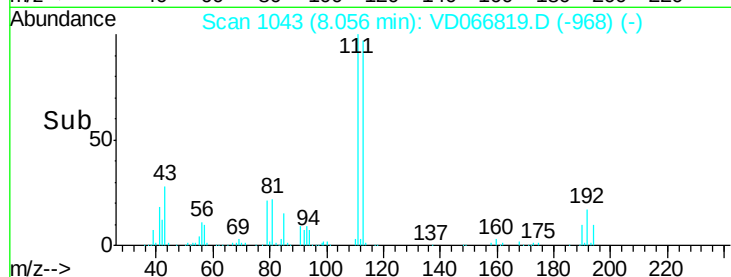
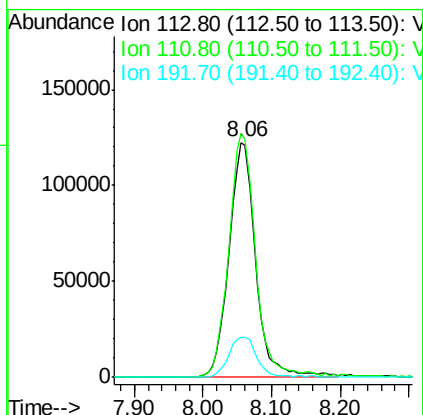
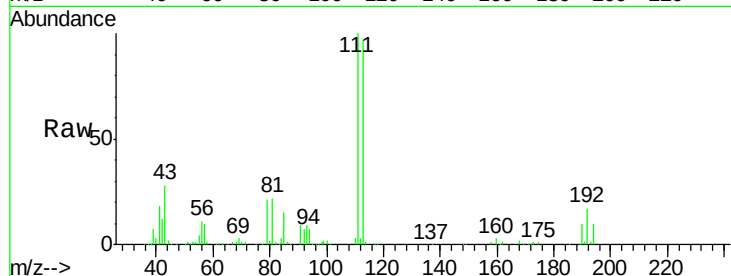




#35
Dibromofluoromethane
Concen: 21.228 ug/l
RT: 8.06 min Scan# 1043
Delta R.T. 0.14 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

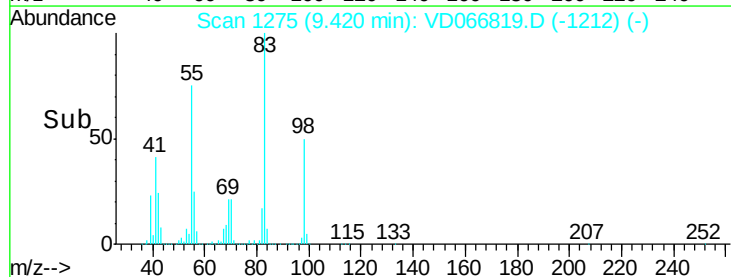
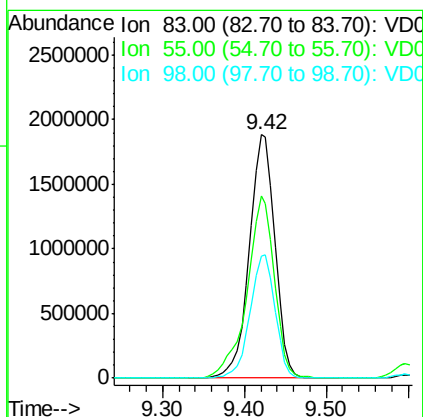
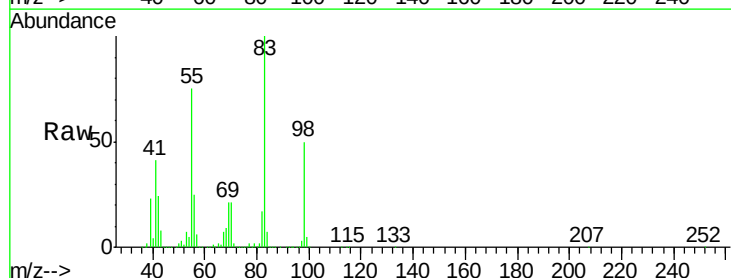
Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

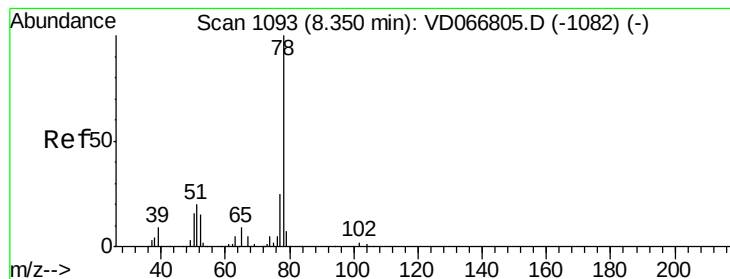
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	17.9	14.4	21.6



#39
Methylcyclohexane
Concen: 147.195 ug/l
RT: 9.42 min Scan# 1275
Delta R.T. 0.07 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.7	86.5
98	50.1	38.4	57.6





#40

Benzene

Concen: 11.038 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.11 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

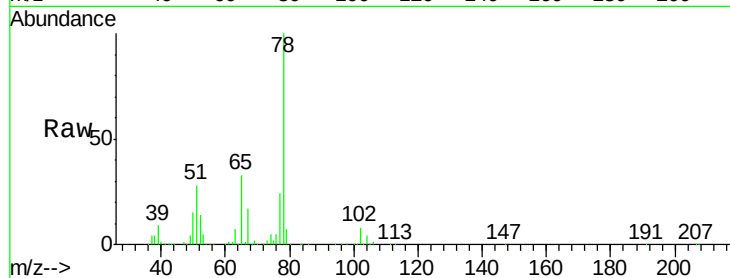
JA-DRUM-COMP

Tot Ion: 78 Resp: 746445

Ion Ratio Lower Upper

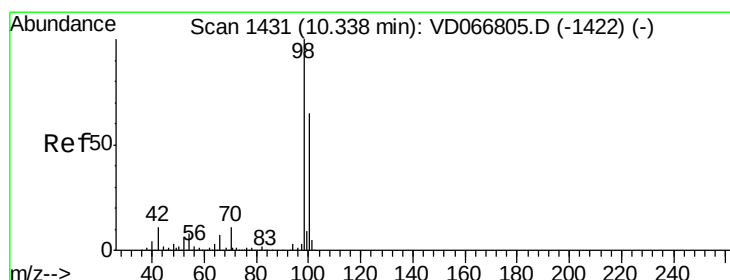
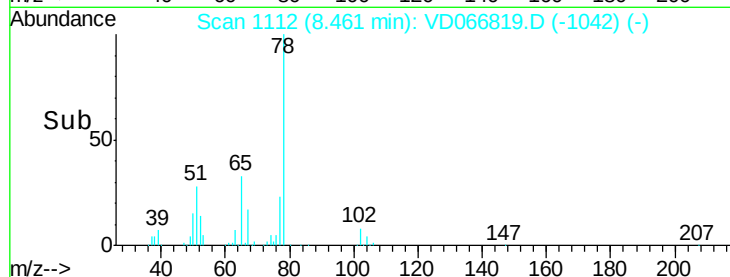
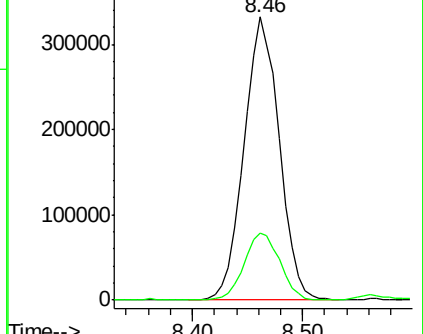
78 100

77 23.4 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



#50

Toluene-d8

Concen: 52.058 ug/l

RT: 10.38 min Scan# 1438

Delta R.T. 0.04 min

Lab File: VD066819.D

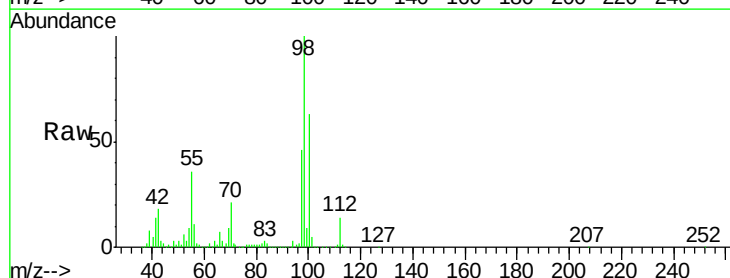
Acq: 22 Sep 2020 19:02

Tgt Ion: 98 Resp: 2760073

Ion Ratio Lower Upper

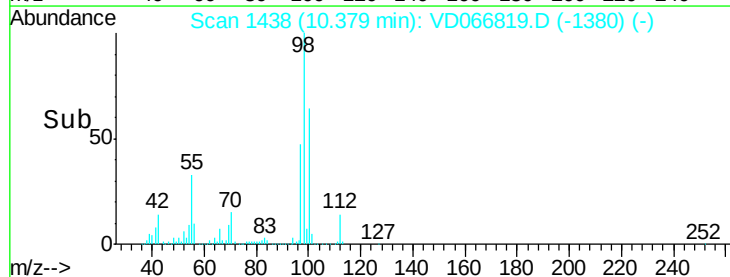
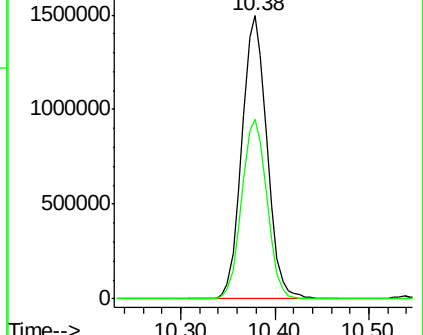
98 100

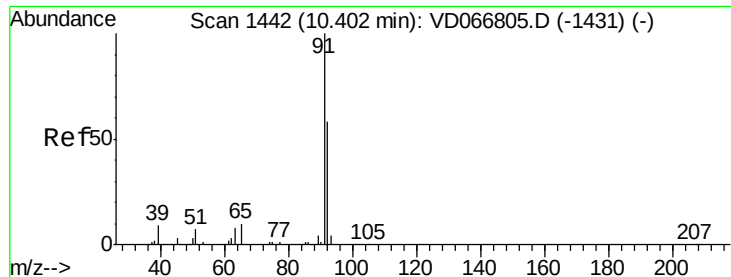
100 63.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 168.295 ug/l

RT: 10.44 min Scan# 1449

Delta R.T. 0.04 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

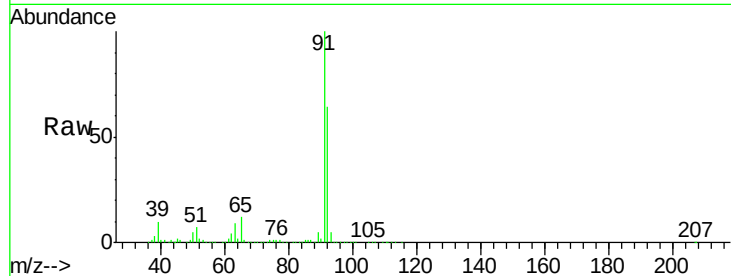
JA-DRUM-COMP

Tot Ion: 92 Resp: 7331130

Ion Ratio Lower Upper

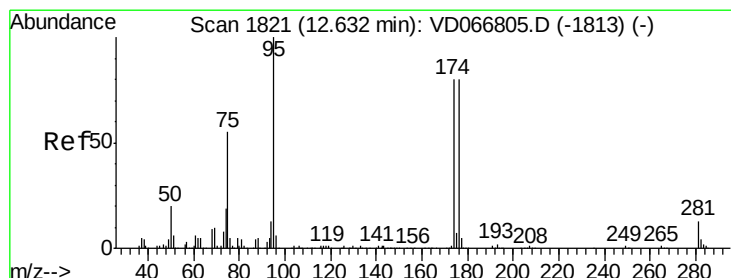
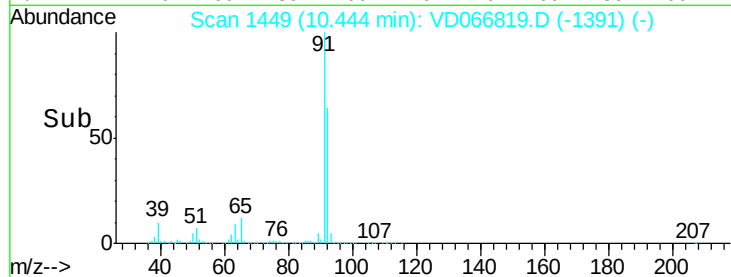
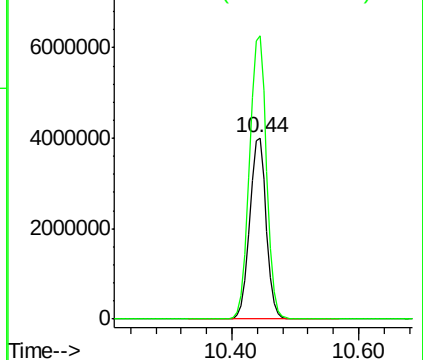
92 100

91 161.6 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 28.441 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

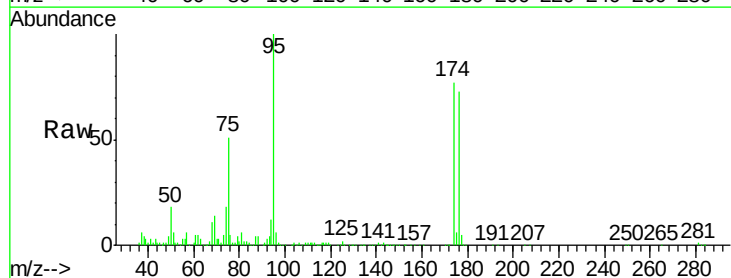
Tgt Ion: 95 Resp: 516216

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.8

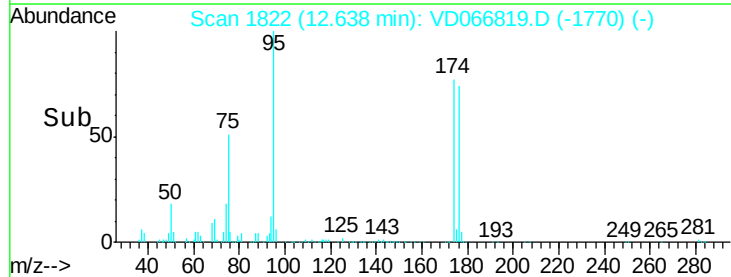
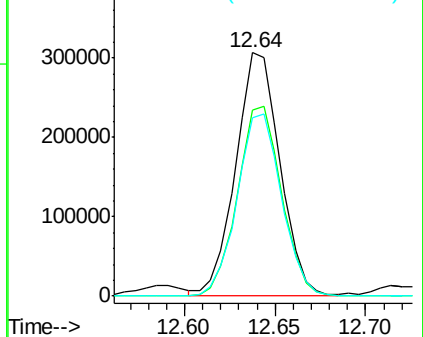
176 76.2 0.0 154.4

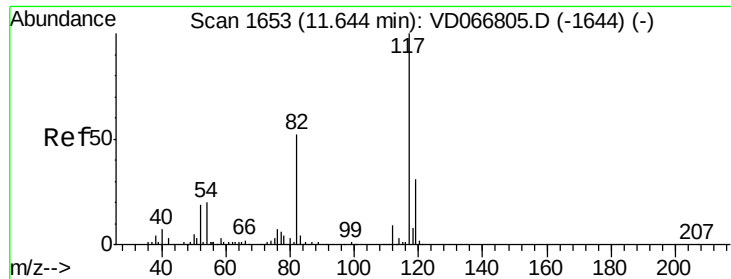


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

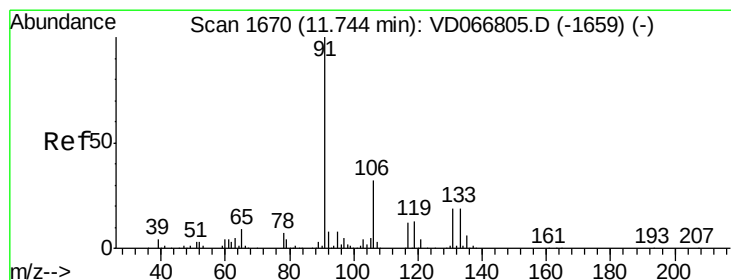
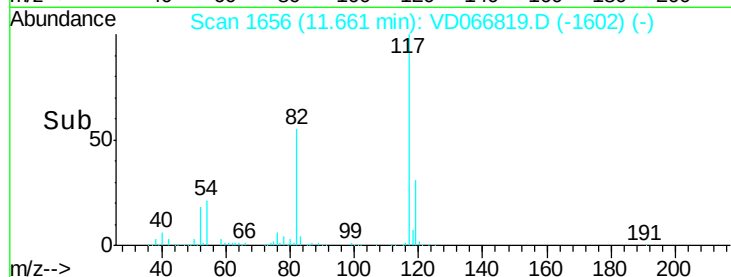
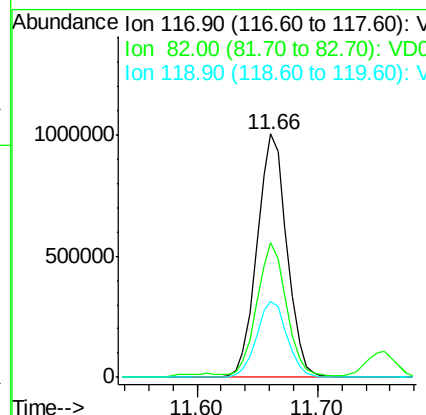
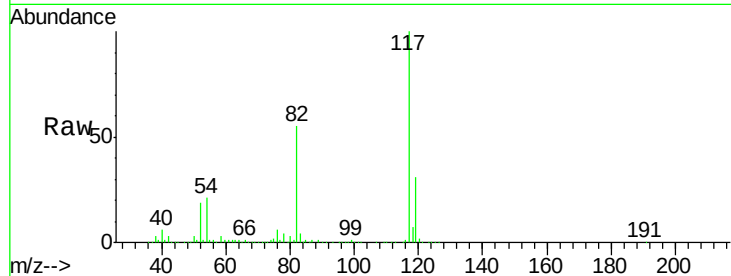




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.02 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

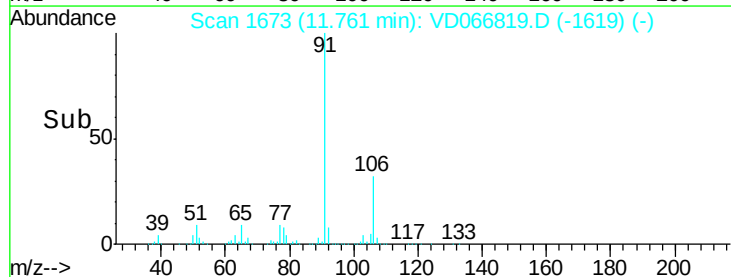
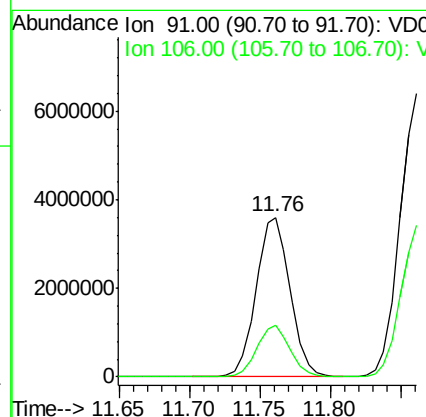
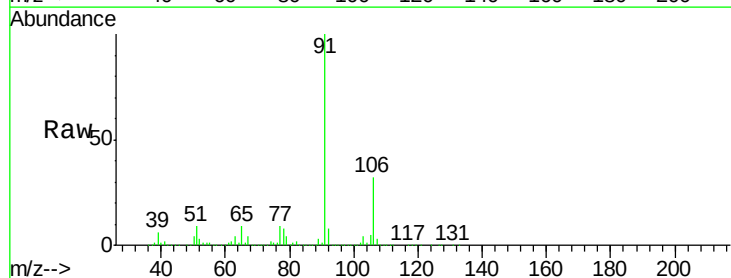
Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

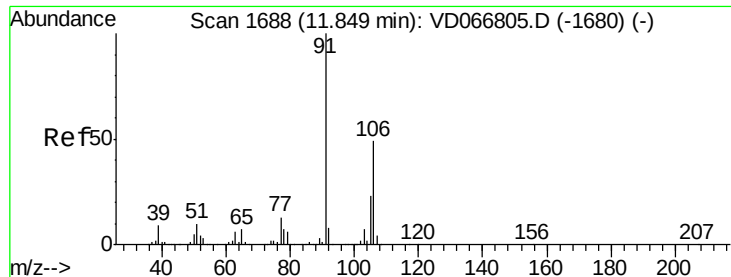
Tot Ion:117 Resp: 1725252
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.6
119 31.2 24.6 37.0



#67
Ethyl Benzene
Concen: 95.986 ug/l
RT: 11.76 min Scan# 1673
Delta R.T. 0.02 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

Tgt Ion: 91 Resp: 6054132
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4

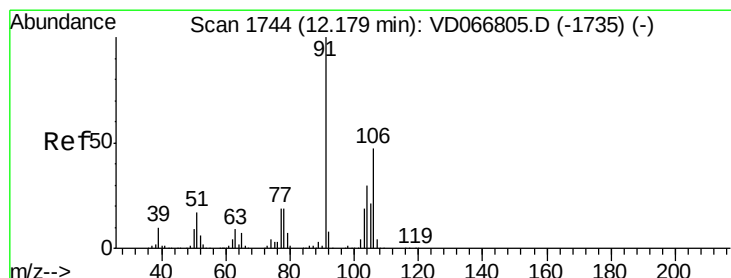
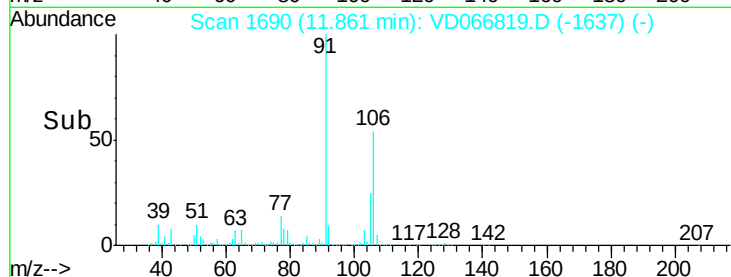
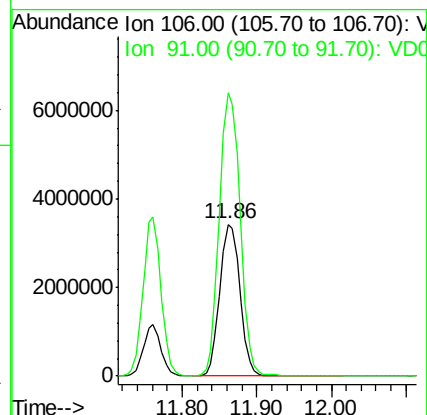
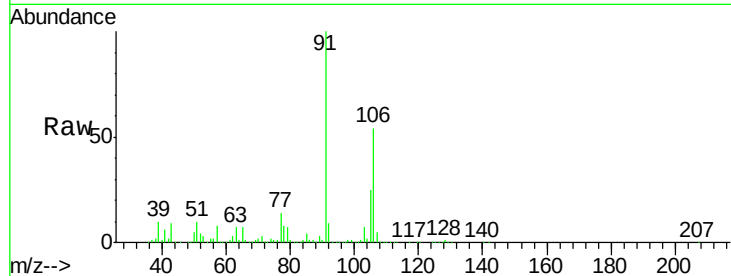




#68
m/p-Xylenes
Concen: 270.652 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

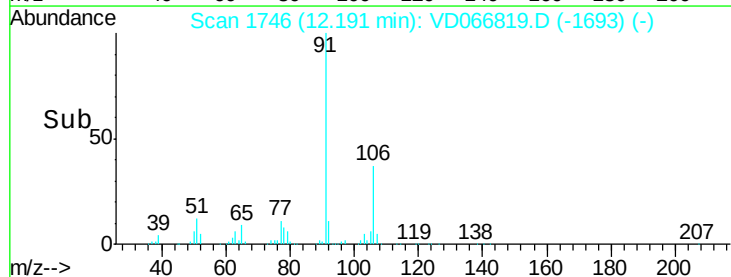
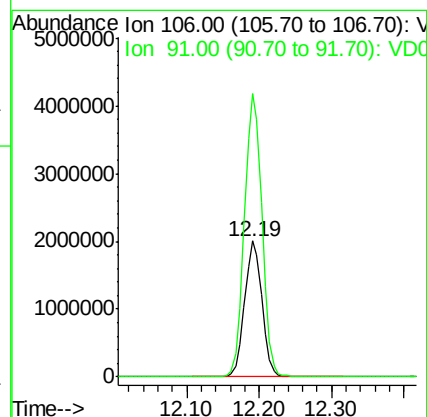
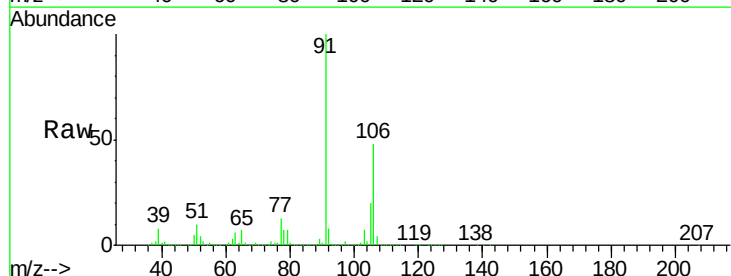
Instrument :
MSVOA_D
ClientSampleId :
JA-DRUM-COMP

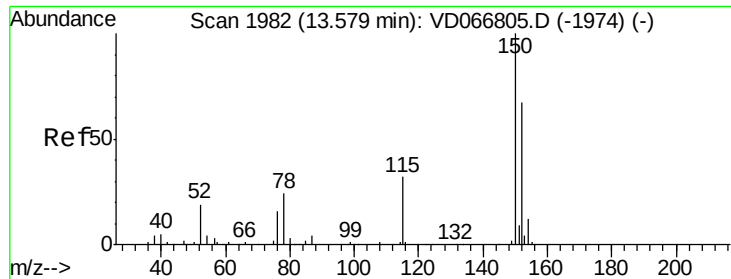
Tot Ion:106 Resp: 6463249
Ion Ratio Lower Upper
106 100
91 192.2 160.7 241.1



#69
o-Xylene
Concen: 153.326 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD066819.D
Acq: 22 Sep 2020 19:02

Tgt Ion:106 Resp: 3310822
Ion Ratio Lower Upper
106 100
91 212.5 106.3 318.8

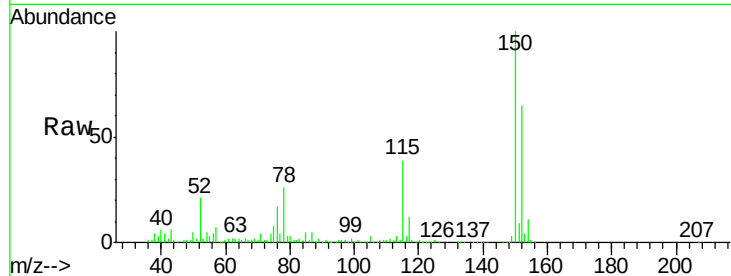




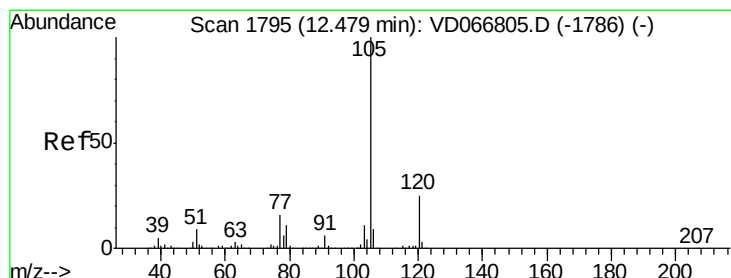
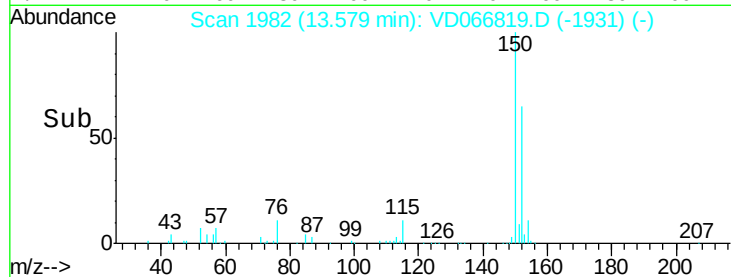
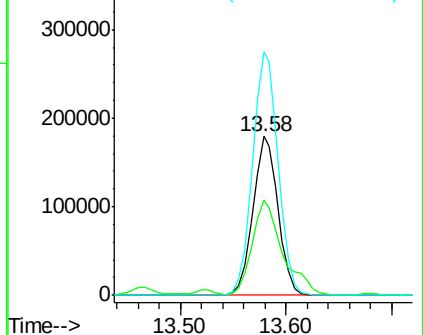
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066819.D
 Acq: 22 Sep 2020 19:02

Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

Tot Ion:152 Resp: 296034
 Ion Ratio Lower Upper
 152 100
 115 72.5 30.3 91.0
 150 156.4 0.0 346.2

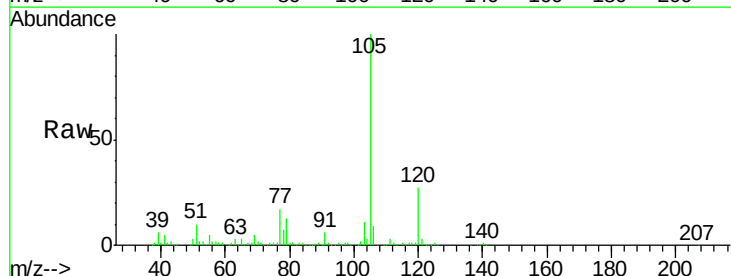


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

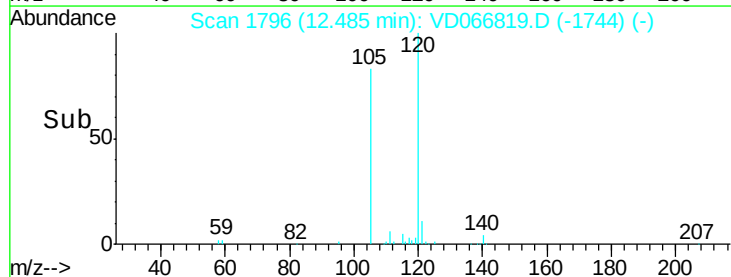
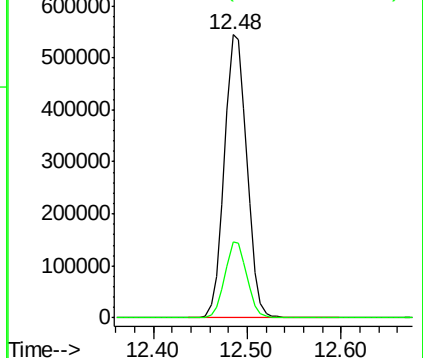


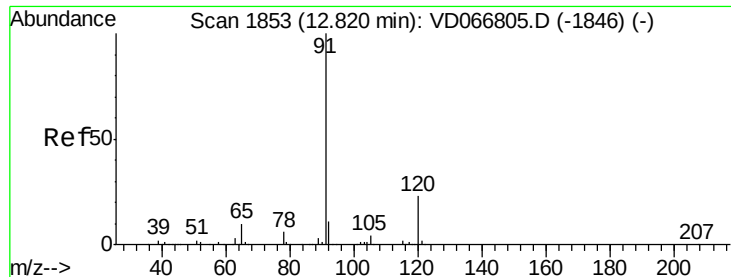
#73
 Isopropylbenzene
 Concen: 42.376 ug/l
 RT: 12.48 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: VD066819.D
 Acq: 22 Sep 2020 19:02

Tgt Ion:105 Resp: 906228
 Ion Ratio Lower Upper
 105 100
 120 26.3 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 62.318 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

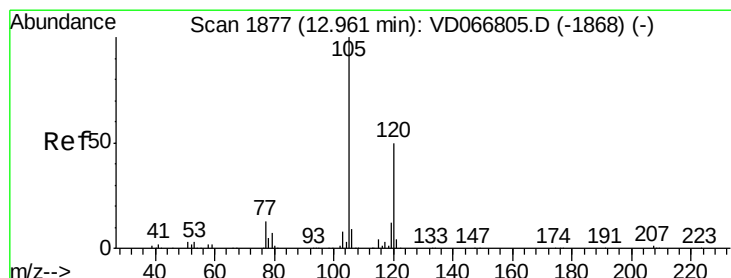
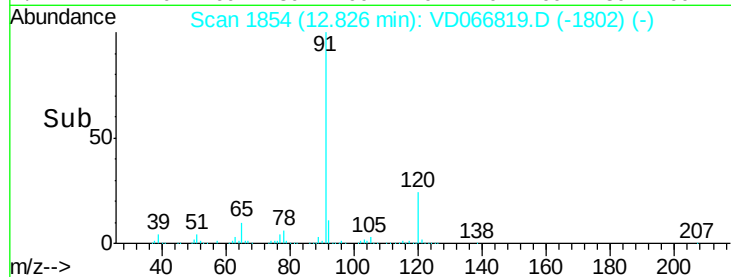
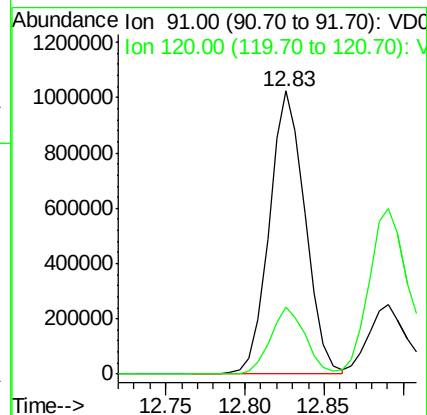
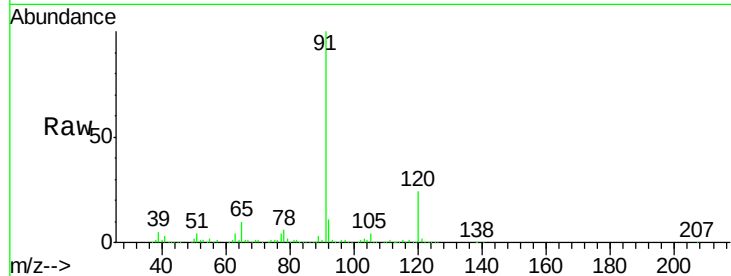
JA-DRUM-COMP

Tot Ion: 91 Resp: 1603291

Ion Ratio Lower Upper

91 100

120 23.0 11.4 34.2



#80

1,3,5-Trimethylbenzene

Concen: 61.299 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066819.D

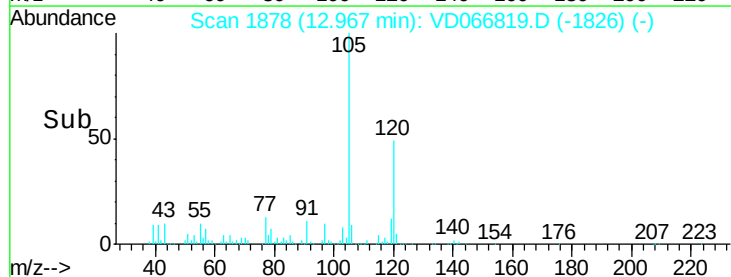
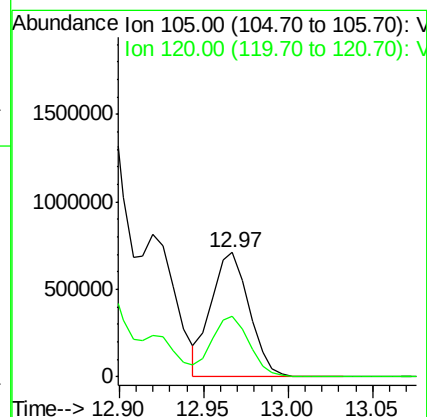
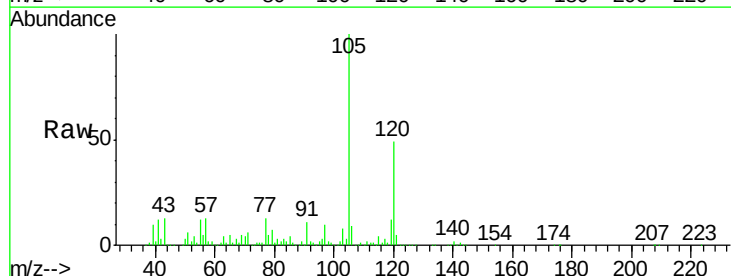
Acq: 22 Sep 2020 19:02

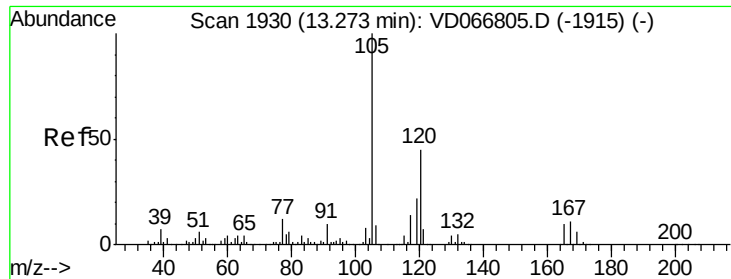
Tgt Ion: 105 Resp: 1112312

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 176.251 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

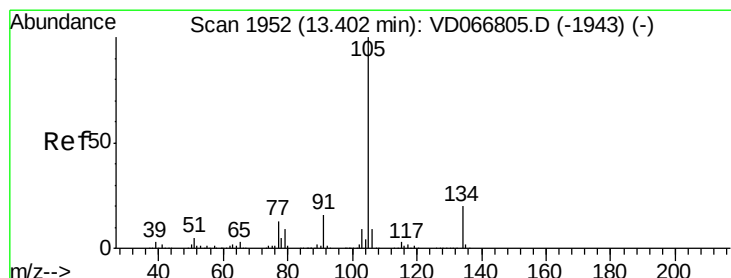
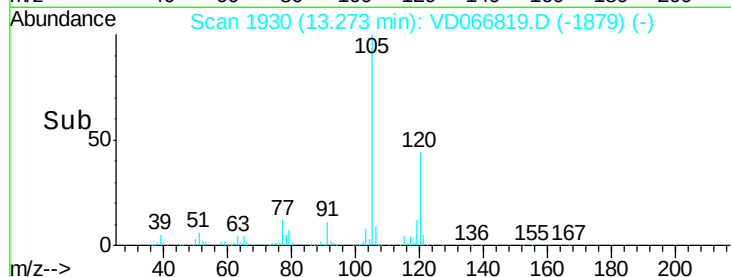
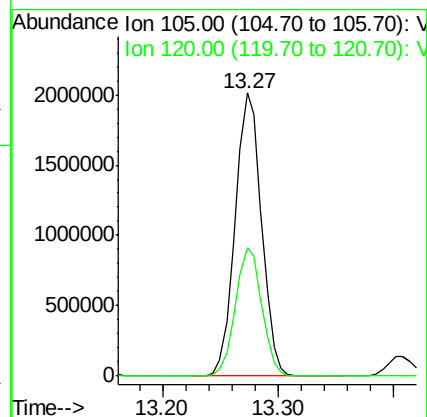
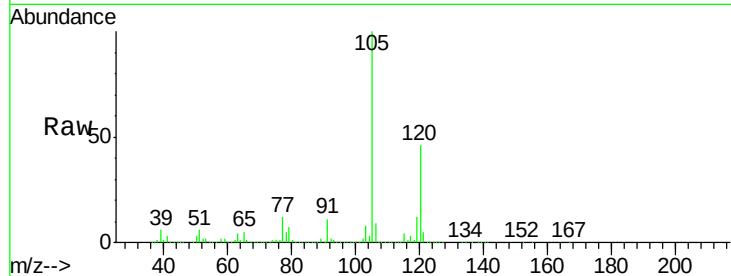
JA-DRUM-COMP

Tot Ion:105 Resp: 3171387

Ion Ratio Lower Upper

105 100

120 45.6 22.3 66.9



#85

sec-Butylbenzene

Concen: 10.632 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066819.D

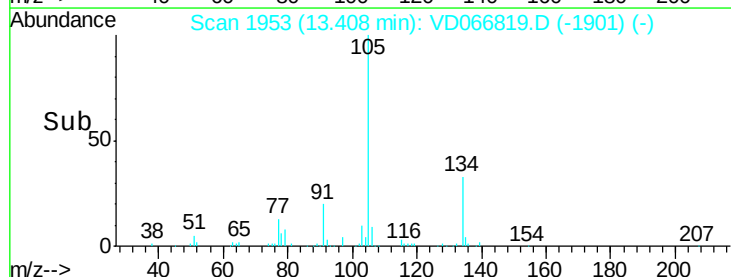
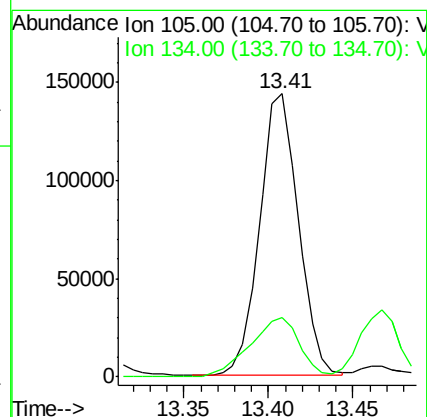
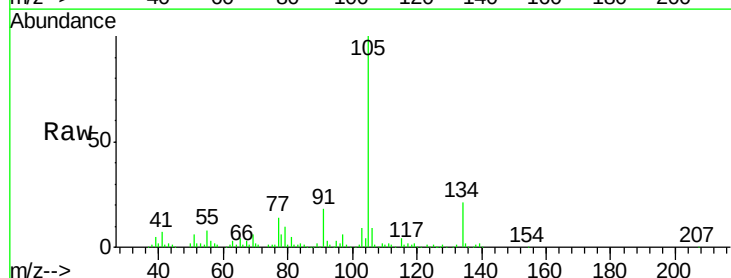
Acq: 22 Sep 2020 19:02

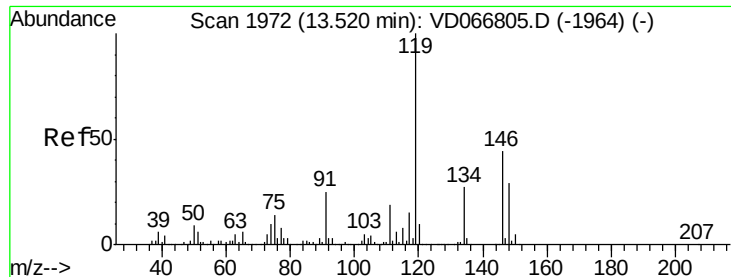
Tgt Ion:105 Resp: 227969

Ion Ratio Lower Upper

105 100

134 26.9 10.2 30.6

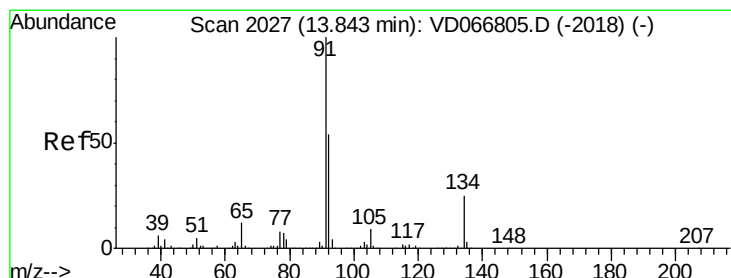
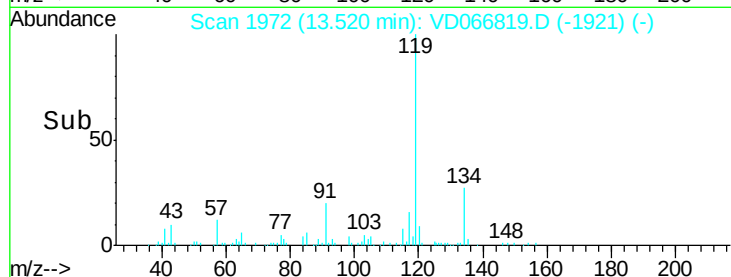
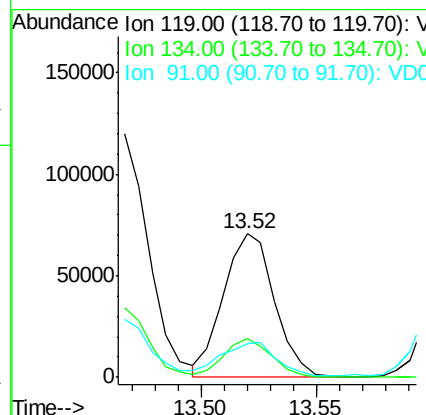
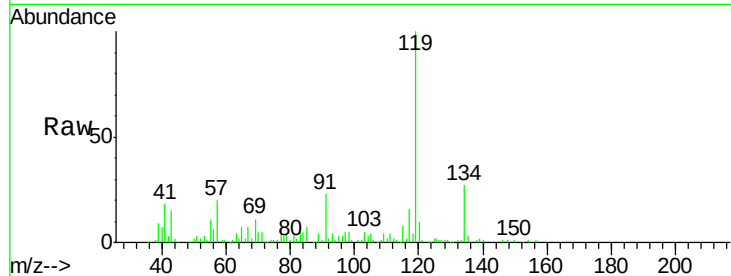




#86
 p-Isopropyltoluene
 Concen: 5.575 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066819.D
 Acq: 22 Sep 2020 19:02

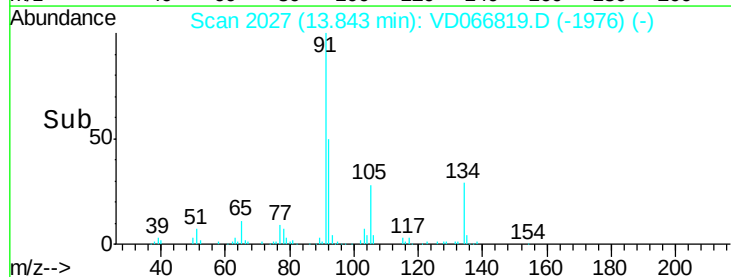
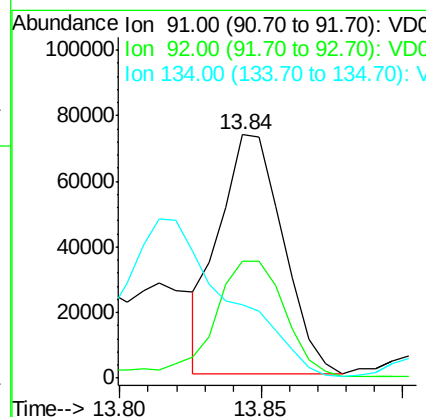
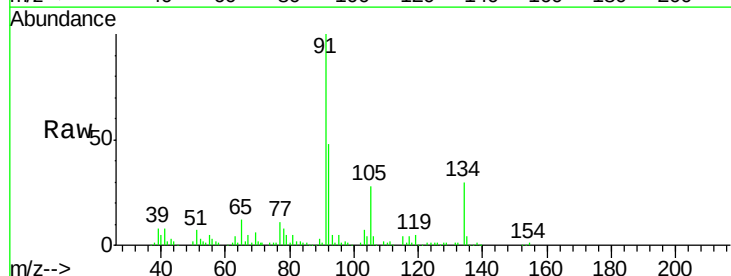
Instrument :
 MSVOA_D
 ClientSampleId :
 JA-DRUM-COMP

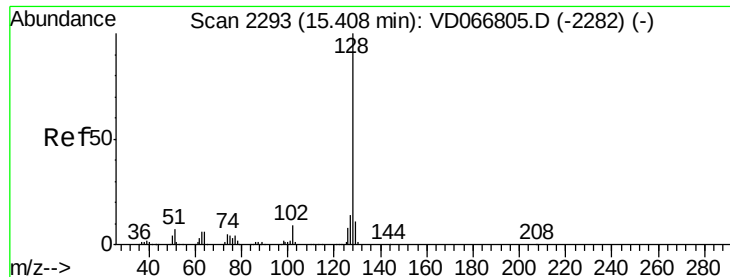
Tot Ion: 119 Resp: 107743
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 38.9
 91 24.8 12.0 36.1



#89
 n-Butylbenzene
 Concen: 6.250 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VD066819.D
 Acq: 22 Sep 2020 19:02

Tgt Ion: 91 Resp: 114813
 Ion Ratio Lower Upper
 91 100
 92 53.5 26.7 80.0
 134 0.0 13.1 39.1#





#95

Naphthalene

Concen: 18.708 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066819.D

Acq: 22 Sep 2020 19:02

Instrument :

MSVOA_D

ClientSampleId :

JA-DRUM-COMP

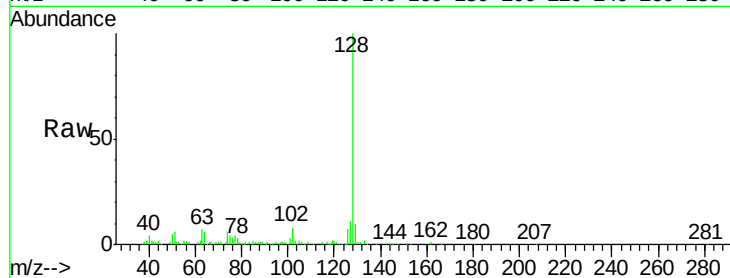
Tot Ion:128 Resp: 169027

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 10.4 8.9 13.3



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

