

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064326.D
 Acq On : 21 Nov 2019 15:59
 Operator : VA/SY
 Sample : K5676-26
 Misc : 8.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-112019

Quant Time: Nov 22 01:23:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

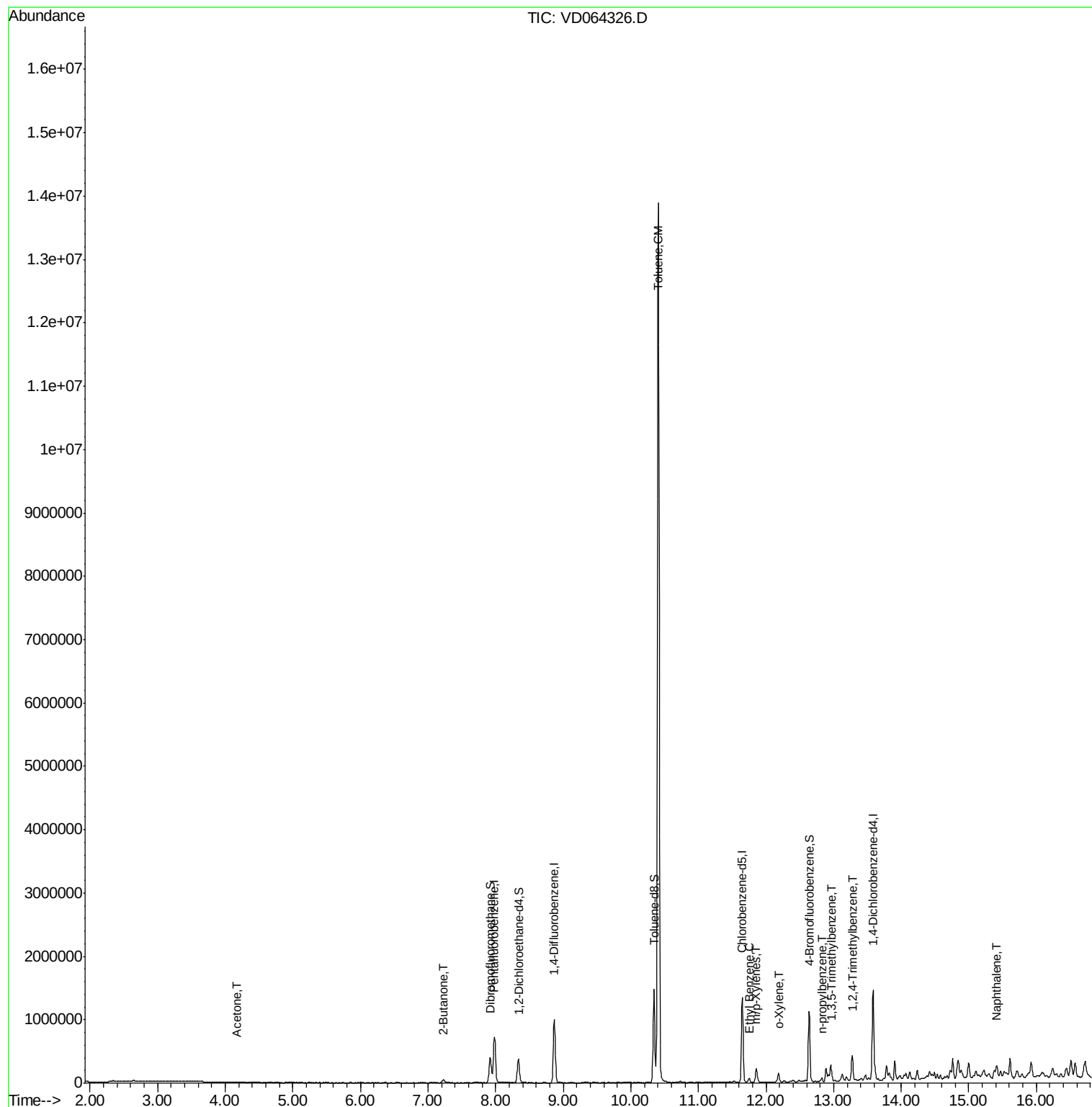
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	606062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	873701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	791006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	392848	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	296650	59.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.02%	
35) Dibromofluoromethane	7.92	113	277441	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
50) Toluene-d8	10.34	98	1007170	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.64	95	343222	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
Target Compounds						
16) Acetone	4.17	43	20478	17.342	ug/l	91
25) 2-Butanone	7.23	43	66782	43.775	ug/l	92
52) Toluene	10.41	92	6031282	416.204	ug/l	97
67) Ethyl Benzene	11.75	91	44285	1.522	ug/l	100
68) m/p-Xylenes	11.86	106	67929	6.091	ug/l	91
69) o-Xylene	12.18	106	36978	3.575	ug/l	94
78) n-propylbenzene	12.83	91	48609	1.475	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	59472	2.510	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	232622	9.945	ug/l	98
95) Naphthalene	15.41	128	168358	12.096	ug/l	100

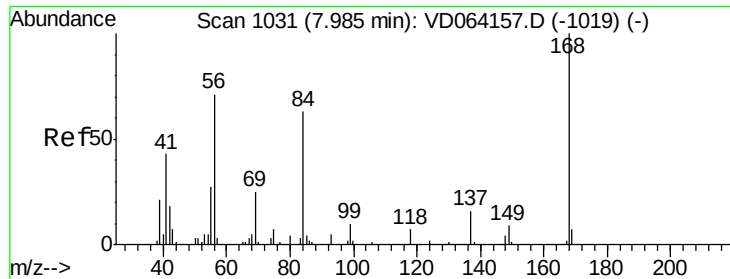
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

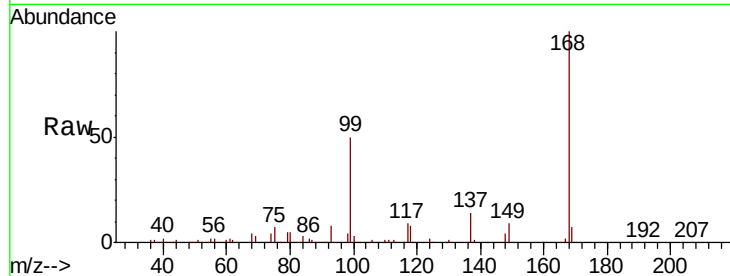
SU-03-112019

Tot Ion:168 Resp: 606062

Ion Ratio Lower Upper

168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

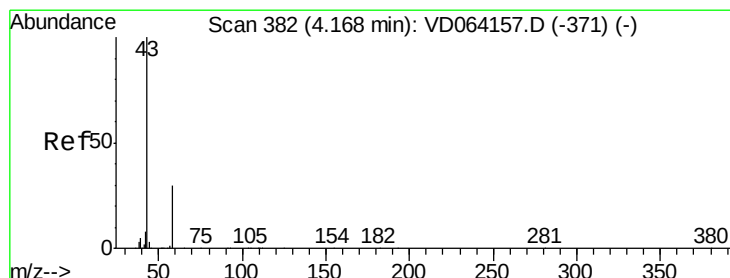
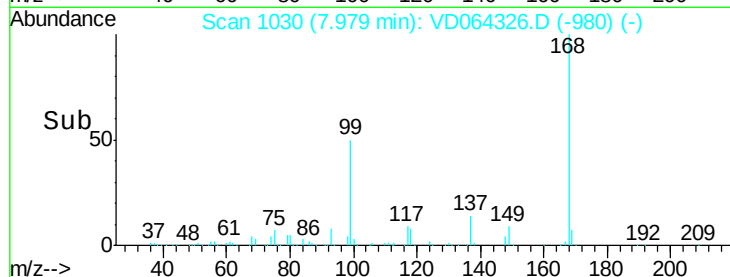
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 17.342 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064326.D

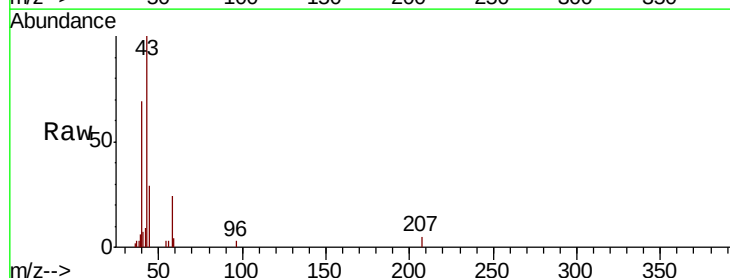
Acq: 21 Nov 2019 15:59

Tgt Ion: 43 Resp: 20478

Ion Ratio Lower Upper

43 100

58 25.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

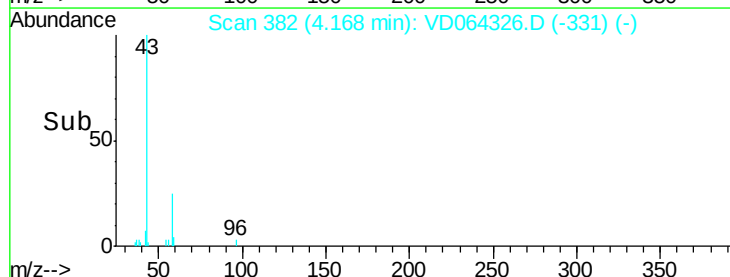
6000

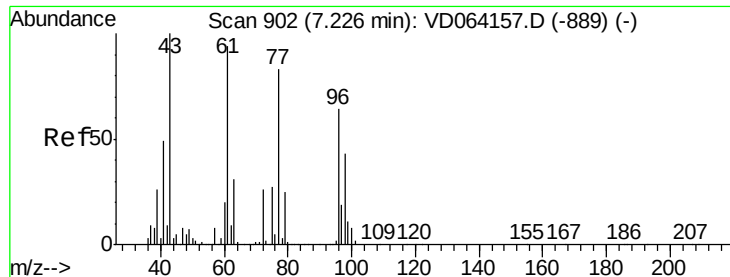
4000

2000

0

Time-->





#25

2-Butanone

Concen: 43.775 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

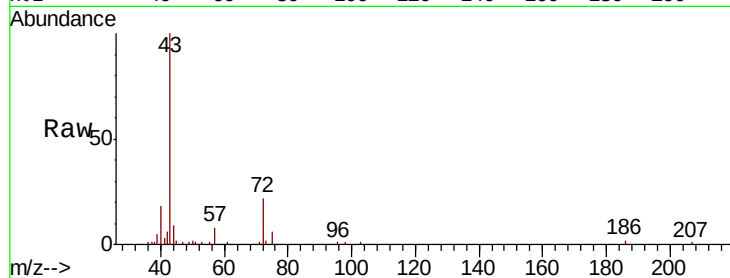
SU-03-112019

Tot Ion: 43 Resp: 66782

Ion Ratio Lower Upper

43 100

72 21.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

30000

25000

20000

15000

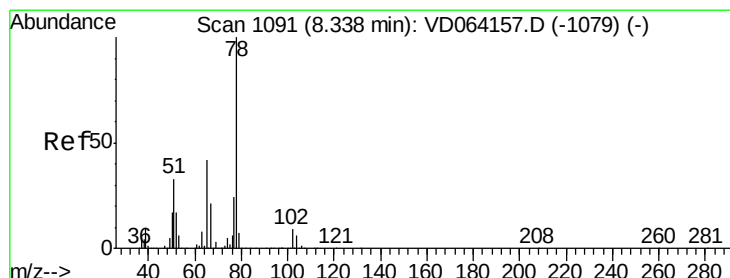
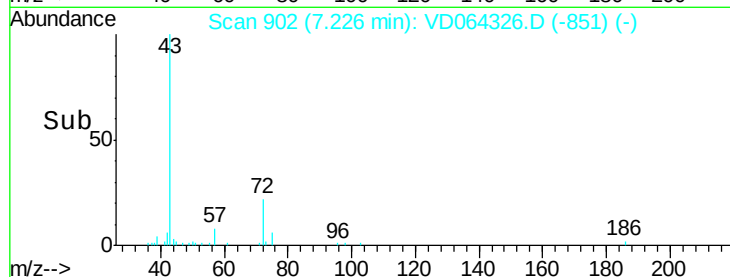
10000

5000

0

Time-->

7.10 7.20 7.30



#33

1,2-Dichloroethane-d4

Concen: 59.514 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064326.D

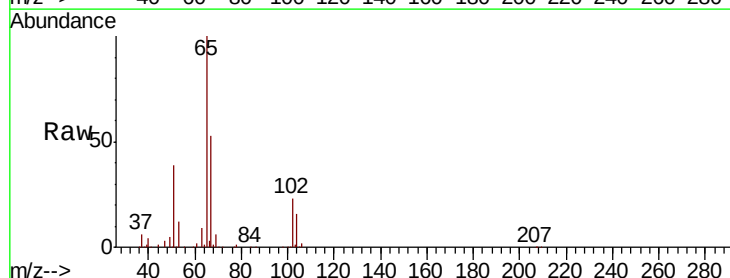
Acq: 21 Nov 2019 15:59

Tgt Ion: 65 Resp: 296650

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

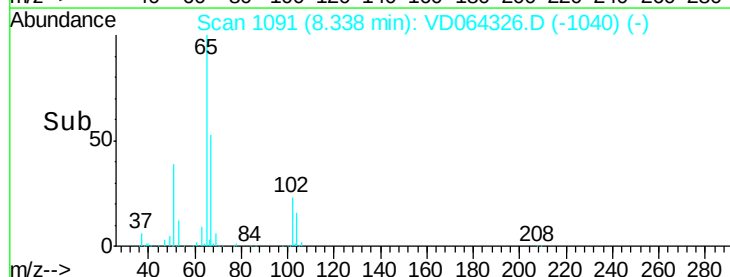
100000

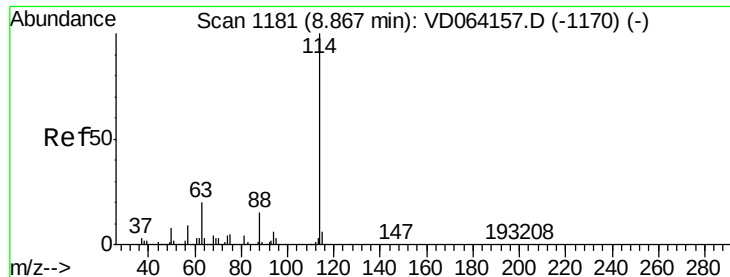
50000

0

Time-->

8.30 8.40

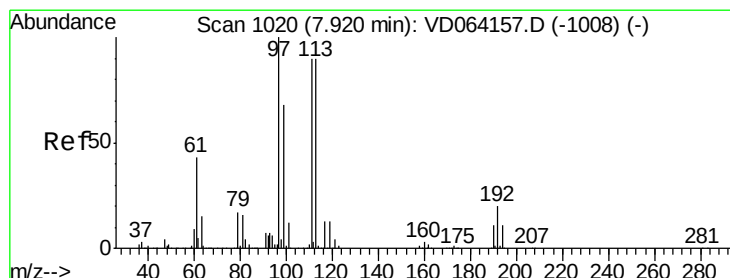
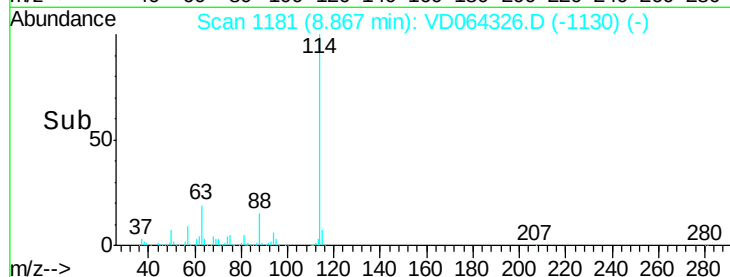
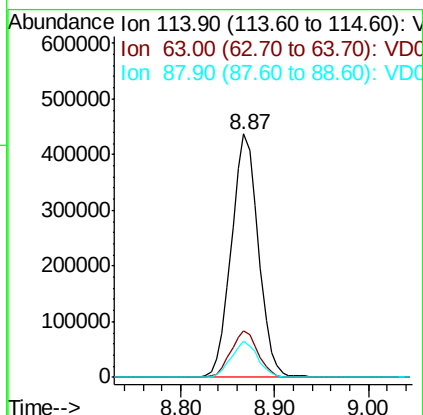
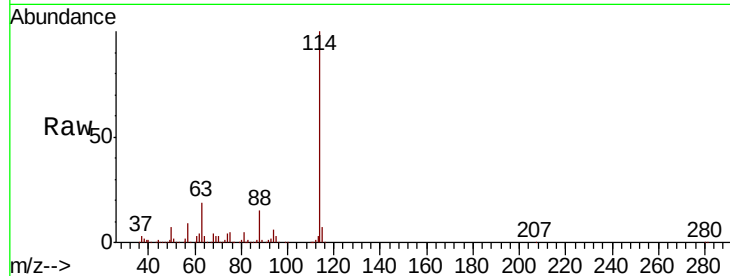




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064326.D
 Acq: 21 Nov 2019 15:59

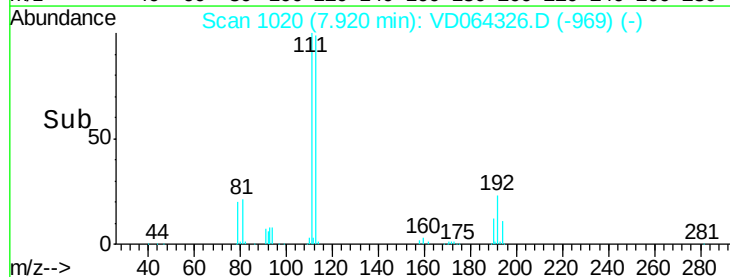
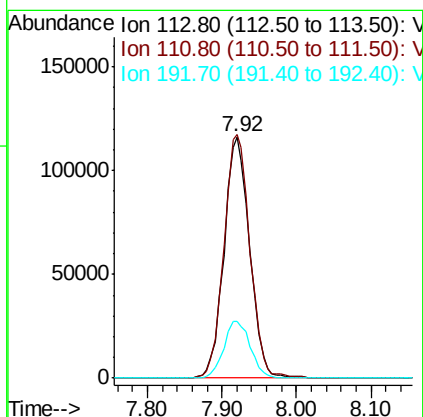
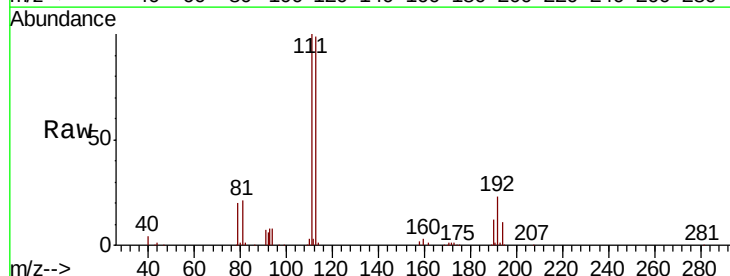
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-112019

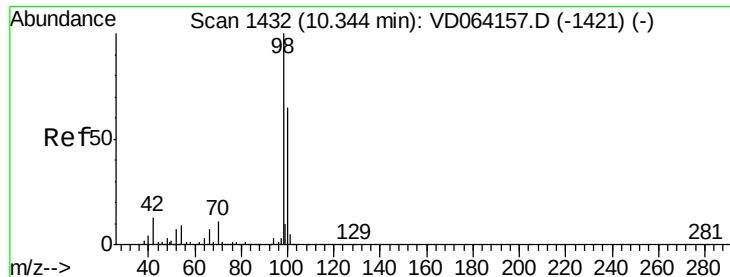
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.0
88	14.6	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 55.320 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064326.D
 Acq: 21 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	24.5	18.8	28.2

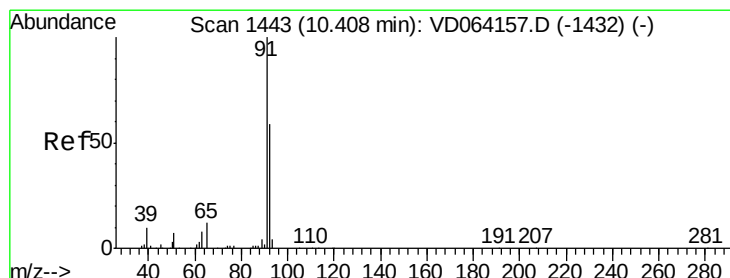
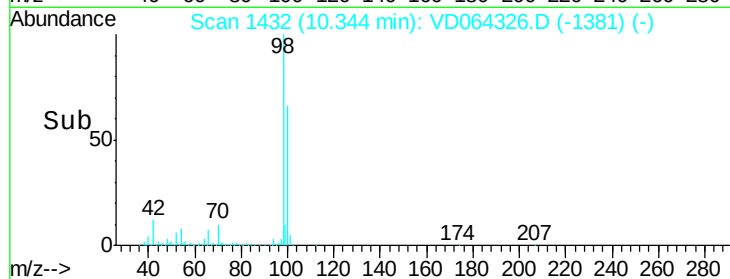
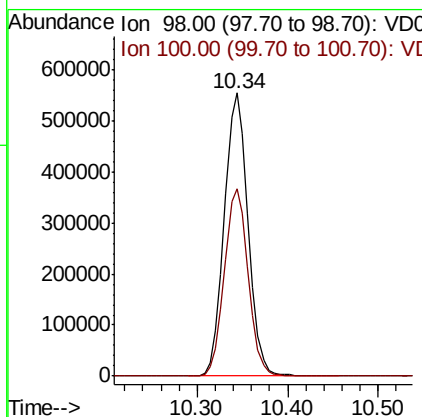
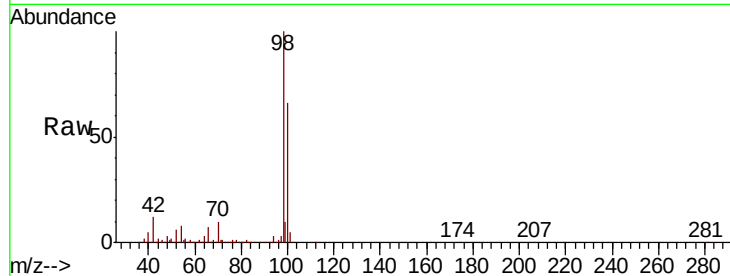




#50
Toluene-d8
Concen: 53.235 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064326.D
Acq: 21 Nov 2019 15:59

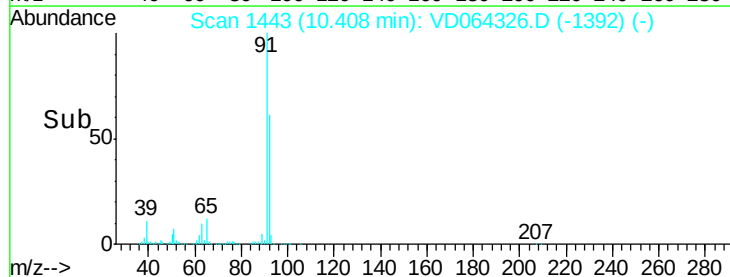
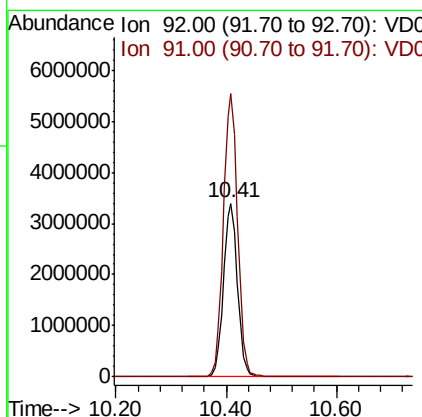
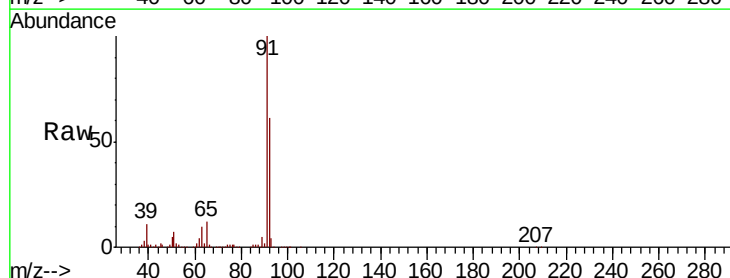
Instrument :
MSVOA_D
ClientSampleId :
SU-03-112019

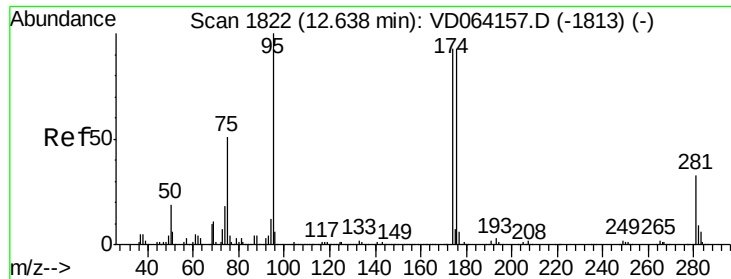
Tot Ion: 98 Resp: 1007170
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#52
Toluene
Concen: 416.204 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064326.D
Acq: 21 Nov 2019 15:59

Tgt Ion: 92 Resp: 6031282
Ion Ratio Lower Upper
92 100
91 166.9 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 52.385 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

SU-03-112019

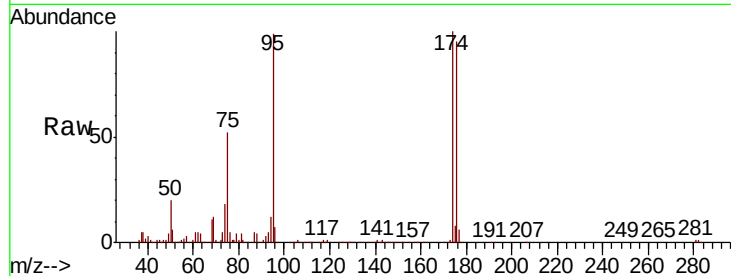
Tot Ion: 95 Resp: 343222

Ion Ratio Lower Upper

95 100

174 99.0 0.0 183.6

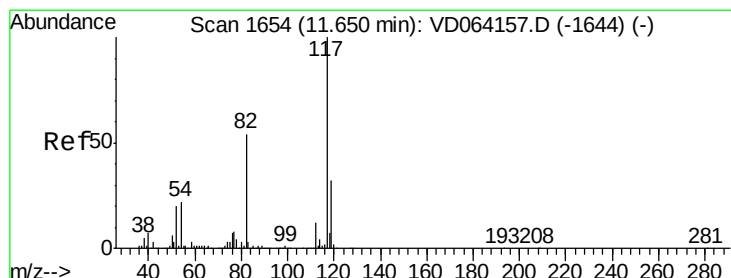
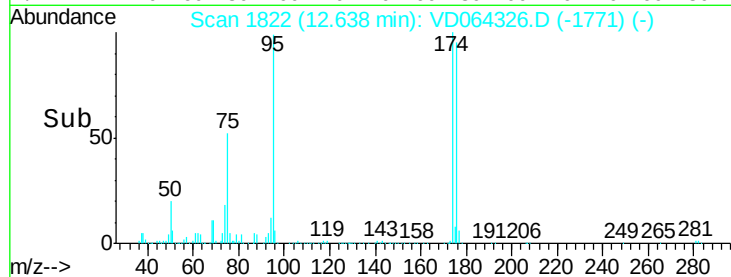
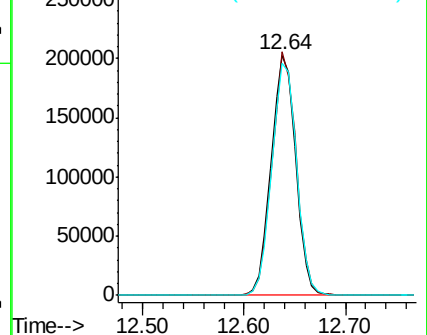
176 97.5 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

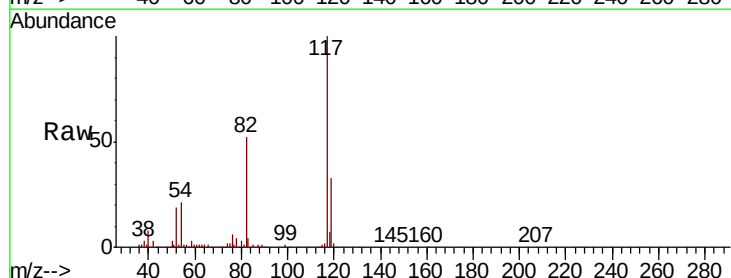
Tgt Ion: 117 Resp: 791006

Ion Ratio Lower Upper

117 100

82 52.2 42.8 64.2

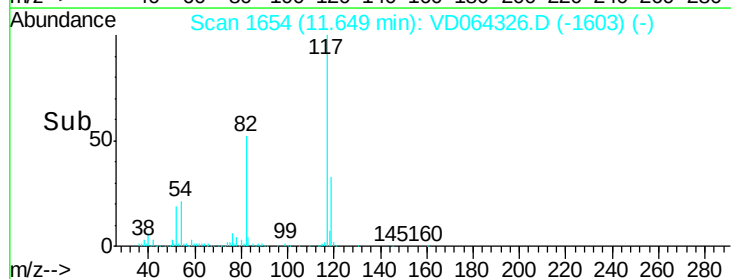
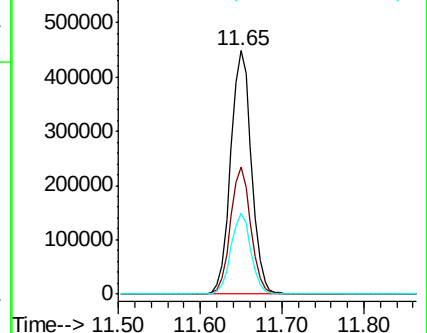
119 33.1 25.6 38.4

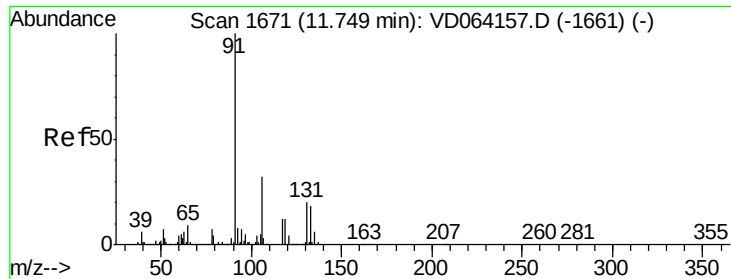


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.522 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

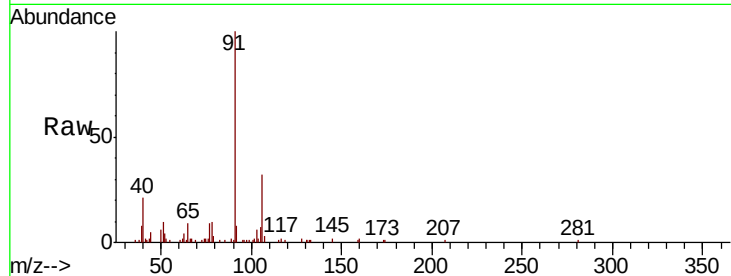
SU-03-112019

Tot Ion: 91 Resp: 44285

Ion Ratio Lower Upper

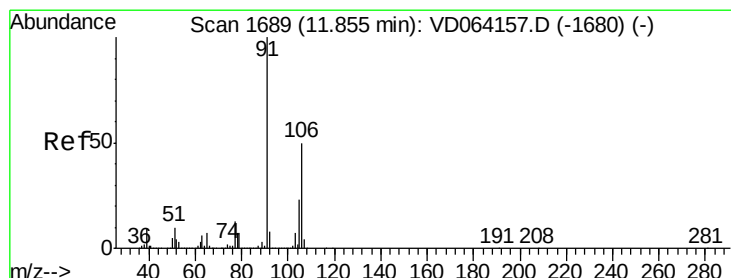
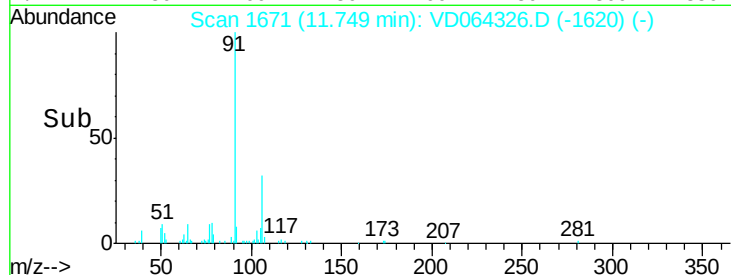
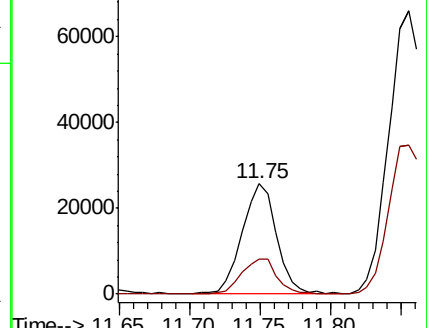
91 100

106 32.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 6.091 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064326.D

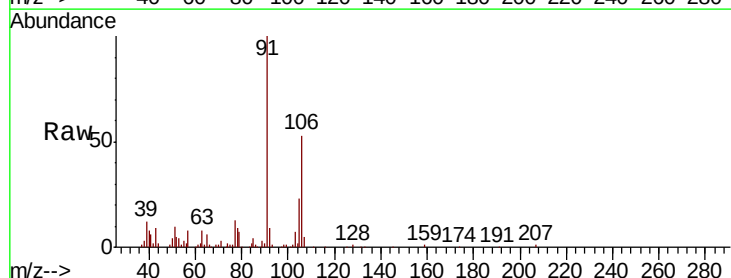
Acq: 21 Nov 2019 15:59

Tgt Ion: 106 Resp: 67929

Ion Ratio Lower Upper

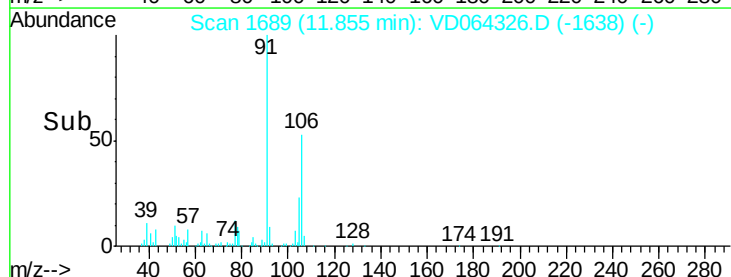
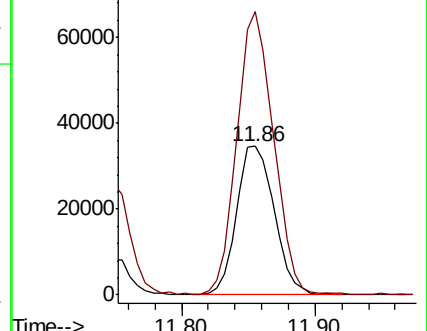
106 100

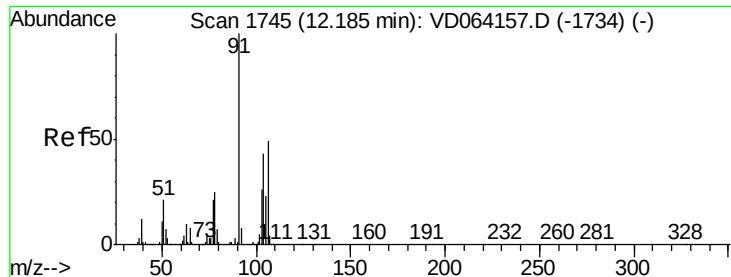
91 186.5 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

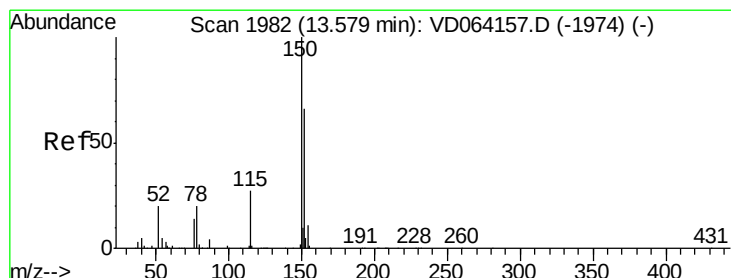
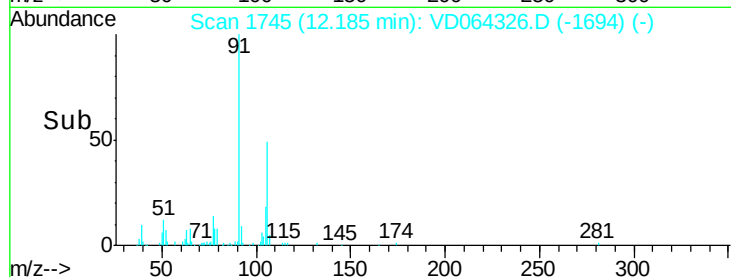
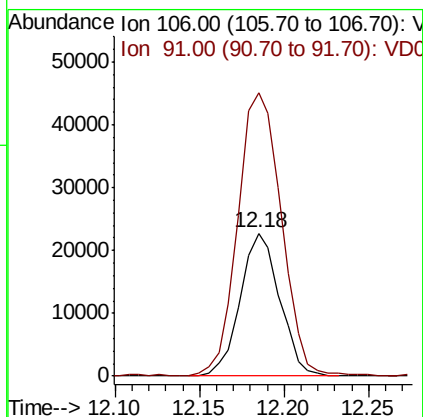
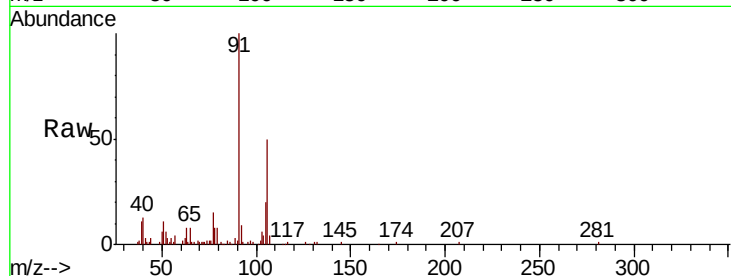




#69
o-Xylene
Concen: 3.575 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064326.D
Acq: 21 Nov 2019 15:59

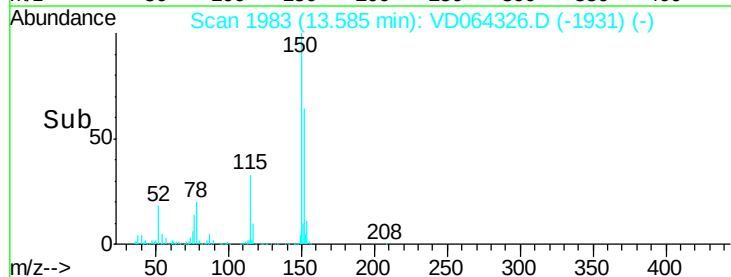
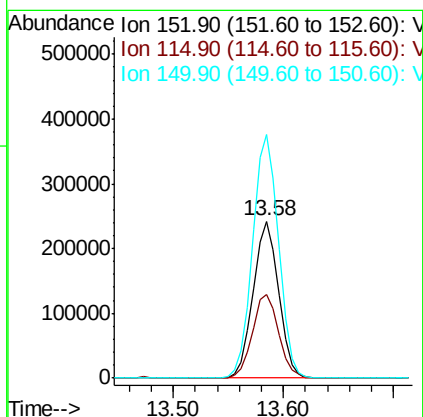
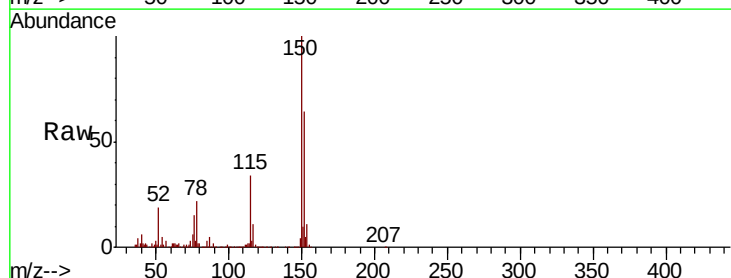
Instrument :
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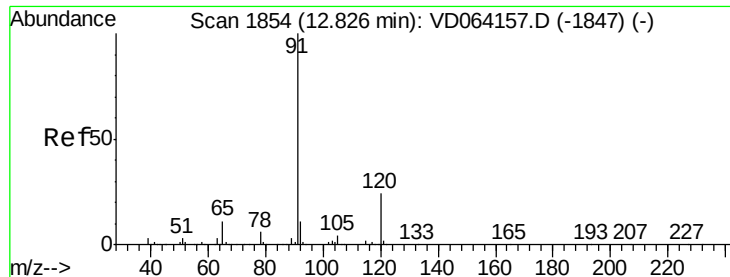
Tot Ion:106 Resp: 36978
Ion Ratio Lower Upper
106 100
91 219.1 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064326.D
Acq: 21 Nov 2019 15:59

Tgt Ion:152 Resp: 392848
Ion Ratio Lower Upper
152 100
115 55.5 27.4 82.2
150 157.9 0.0 351.6





#78

n-propylbenzene

Concen: 1.475 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064326.D

Acq: 21 Nov 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

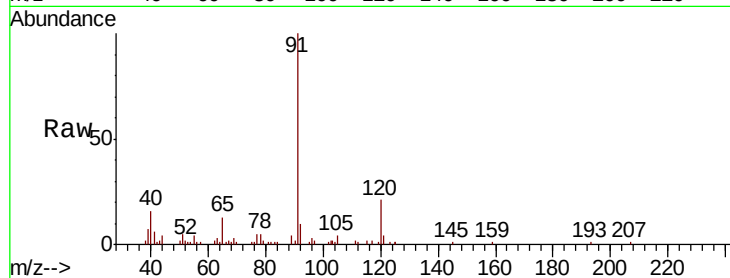
SU-03-112019

Tot Ion: 91 Resp: 48609

Ion Ratio Lower Upper

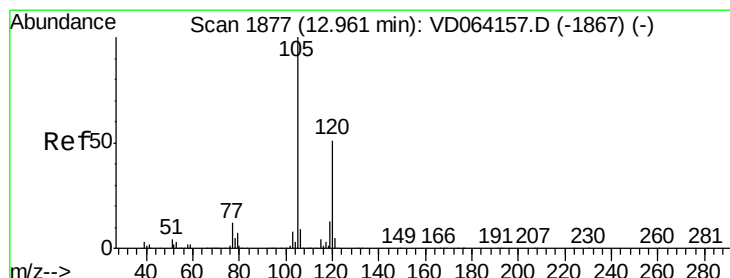
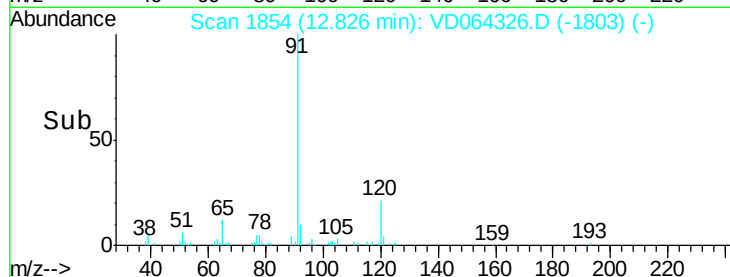
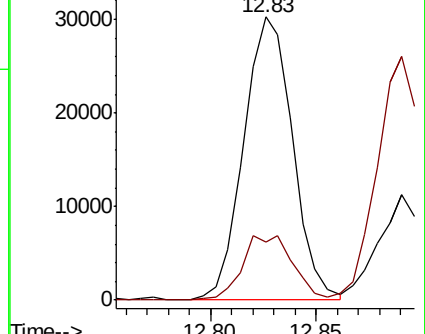
91 100

120 23.6 11.8 35.4



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: 2.510 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064326.D

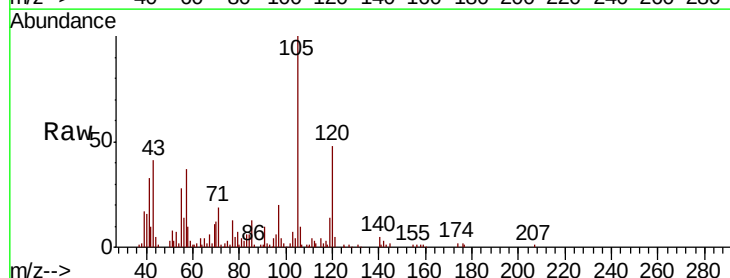
Acq: 21 Nov 2019 15:59

Tgt Ion: 105 Resp: 59472

Ion Ratio Lower Upper

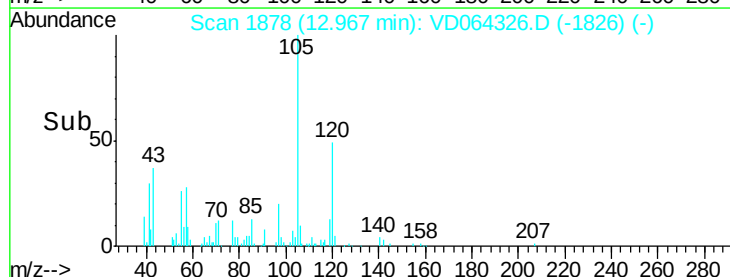
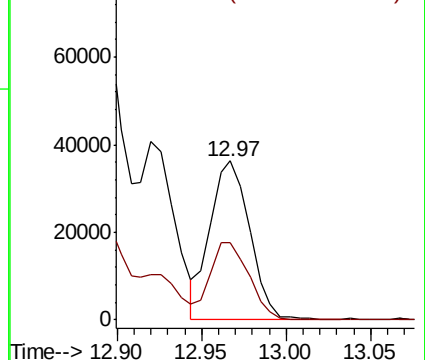
105 100

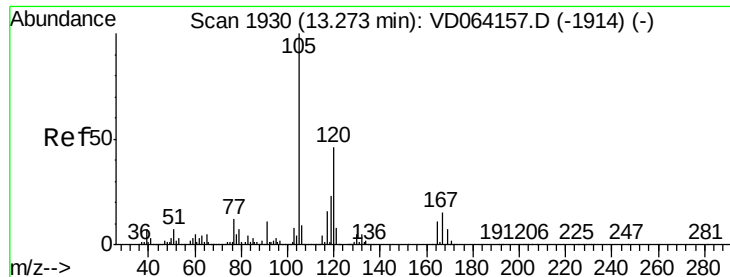
120 48.3 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

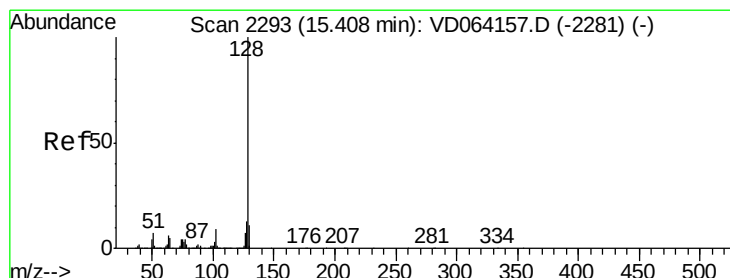
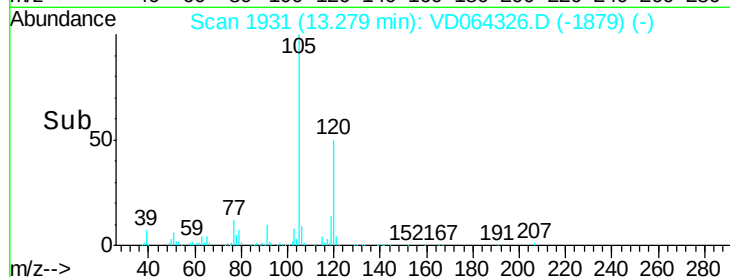
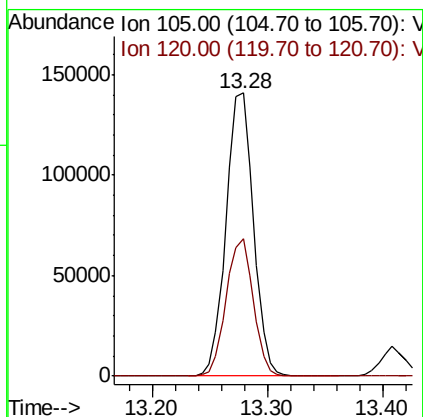
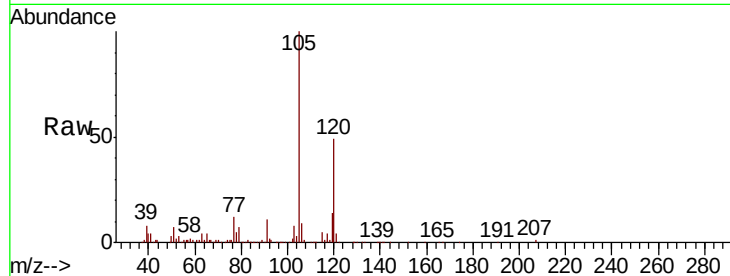




#84
 1,2,4-Trimethylbenzene
 Concen: 9.945 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064326.D
 Acq: 21 Nov 2019 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-112019

Tot Ion:105 Resp: 232622
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.3 69.8



#95
 Naphthalene
 Concen: 12.096 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD064326.D
 Acq: 21 Nov 2019 15:59

Tgt Ion:128 Resp: 168358
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.5 15.7
 129 10.8 8.6 13.0

