

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064264.D
 Acq On : 18 Nov 2019 15:02
 Operator : VA/SY
 Sample : K5676-16
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

Quant Time: Nov 19 05:39:08 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	922110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1343718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1162458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	553227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	395337	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	7.92	113	405522	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	10.34	98	1559263	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.64	95	504702	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

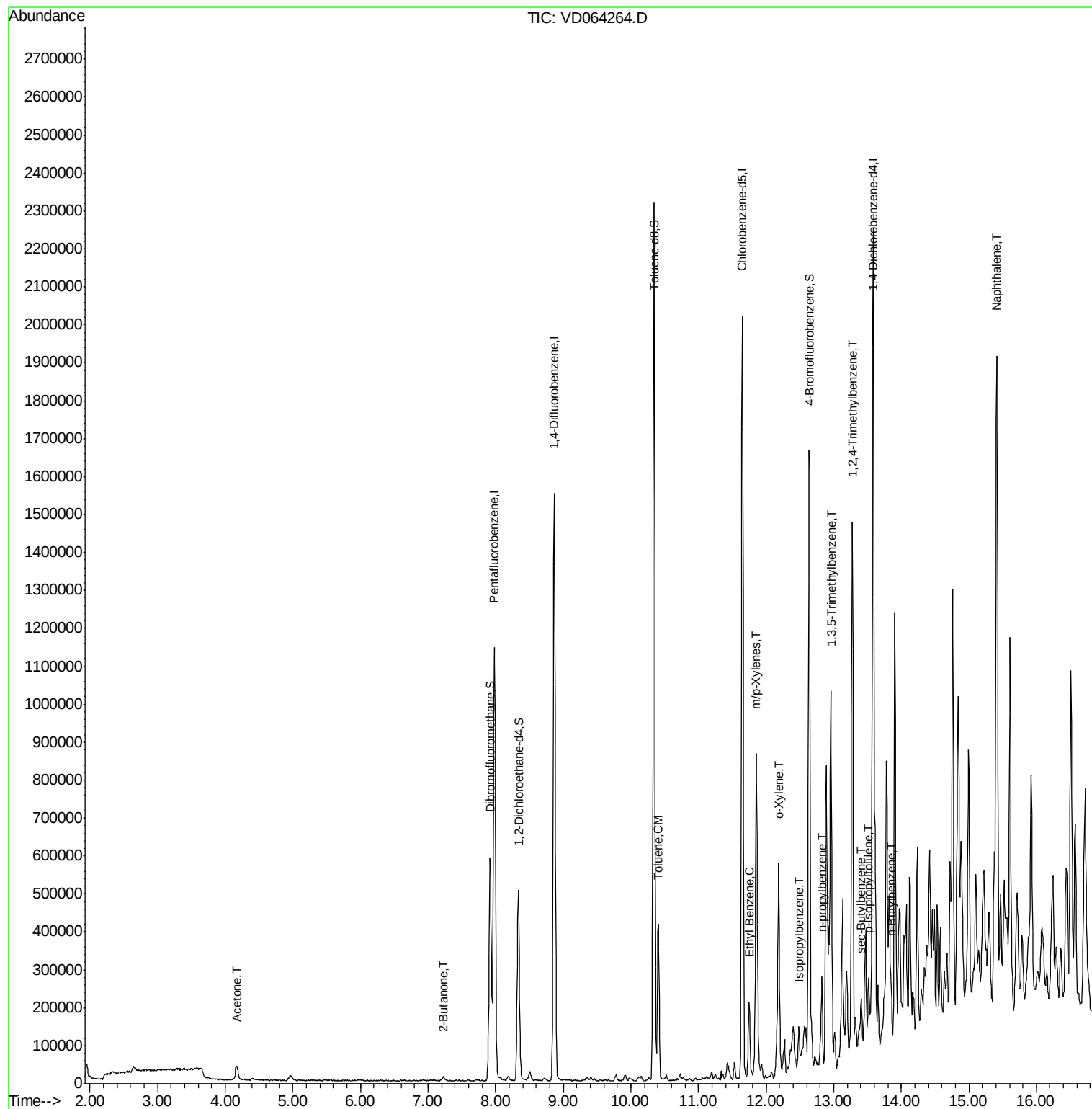
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	63846	35.537	ug/l	93
25) 2-Butanone	7.23	43	14915	6.426	ug/l	93
52) Toluene	10.41	92	174907	7.848	ug/l	99
67) Ethyl Benzene	11.75	91	137262	3.210	ug/l	96
68) m/p-Xylenes	11.85	106	217828	13.291	ug/l	100
69) o-Xylene	12.18	106	150545	9.904	ug/l	98
73) Isopropylbenzene	12.48	105	62169	1.531	ug/l	100
78) n-propylbenzene	12.83	91	181520	3.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	195984	5.874	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	769048	23.346	ug/l	98
85) sec-Butylbenzene	13.41	105	75637	1.914	ug/l	91
86) p-Isopropyltoluene	13.53	119	44073	1.173	ug/l	100
89) n-Butylbenzene	13.85	91	78320	2.308	ug/l #	78
95) Naphthalene	15.41	128	1487406	75.888	ug/l	99

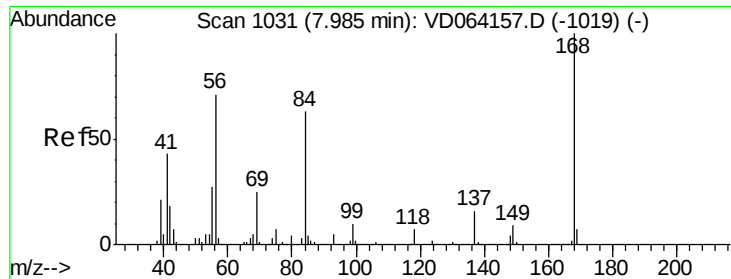
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

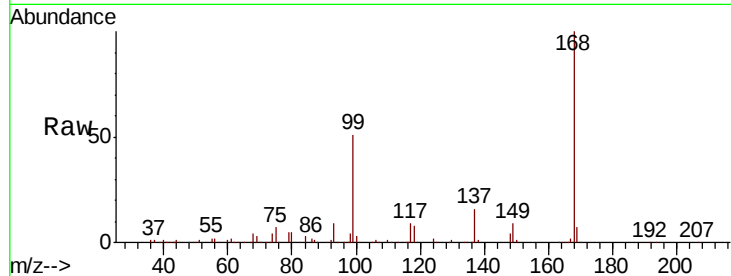
SU-01-111519

Tot Ion:168 Resp: 922110

Ion Ratio Lower Upper

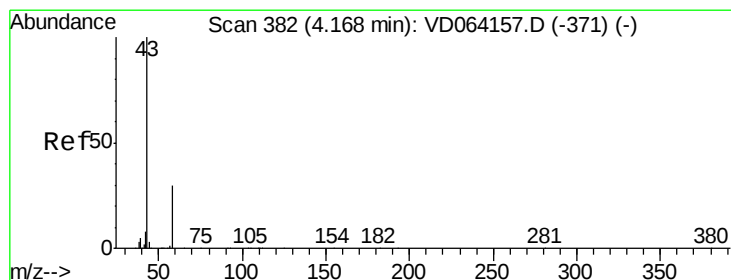
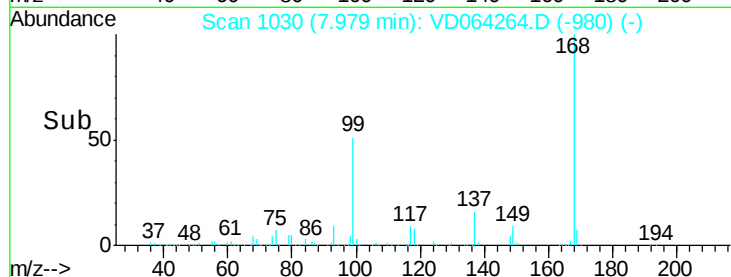
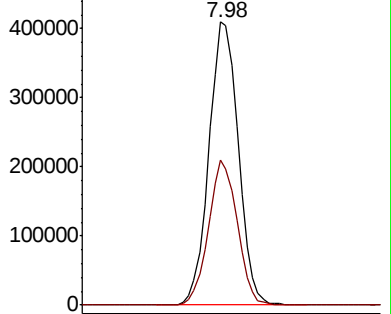
168 100

99 51.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 35.537 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064264.D

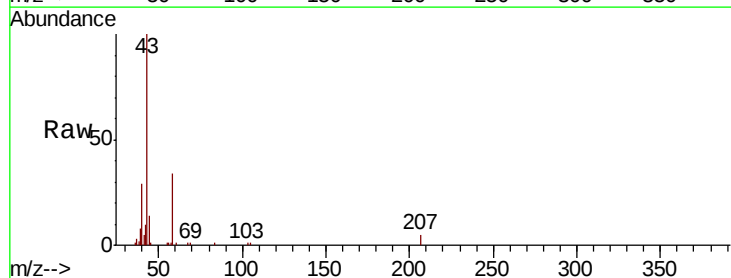
Acq: 18 Nov 2019 15:02

Tgt Ion: 43 Resp: 63846

Ion Ratio Lower Upper

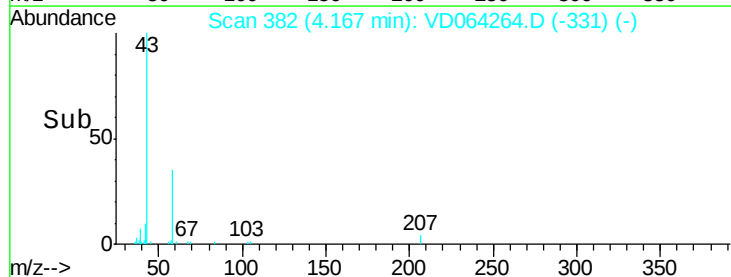
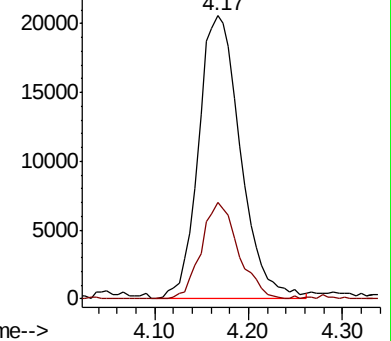
43 100

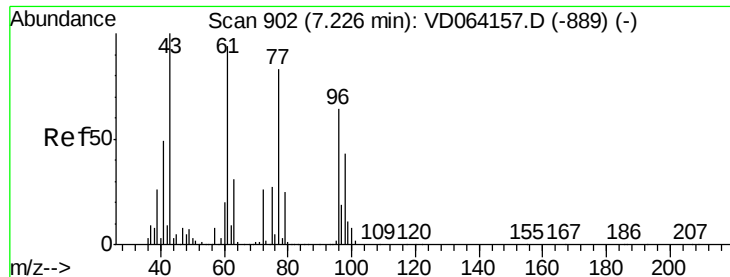
58 33.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#25

2-Butanone

Concen: 6.426 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

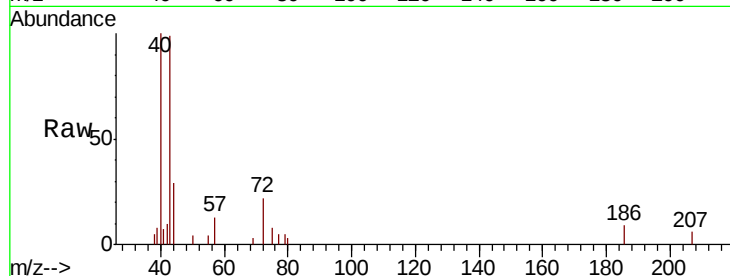
SU-01-111519

Tot Ion: 43 Resp: 14915

Ion Ratio Lower Upper

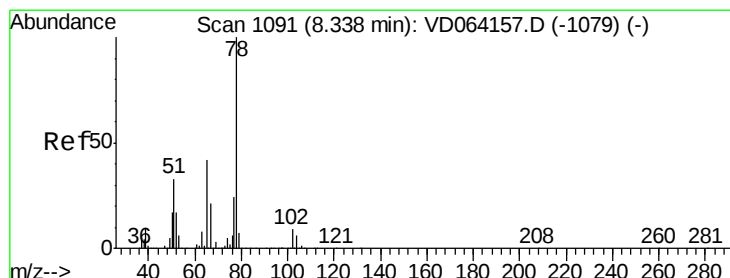
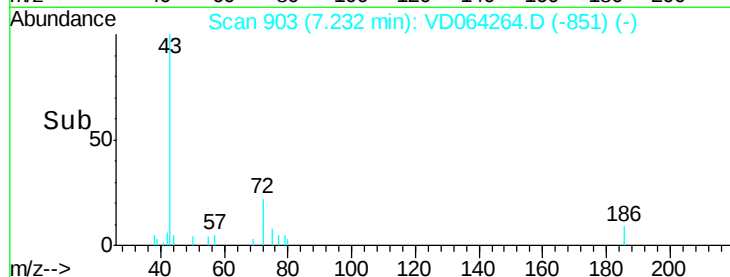
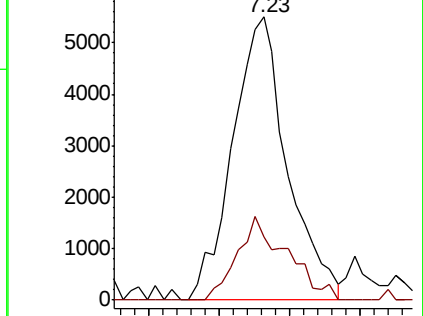
43 100

72 22.3 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.129 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064264.D

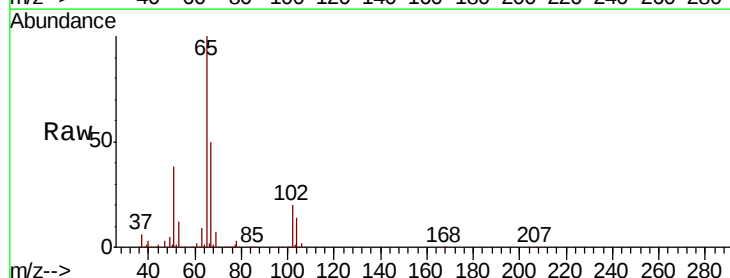
Acq: 18 Nov 2019 15:02

Tgt Ion: 65 Resp: 395337

Ion Ratio Lower Upper

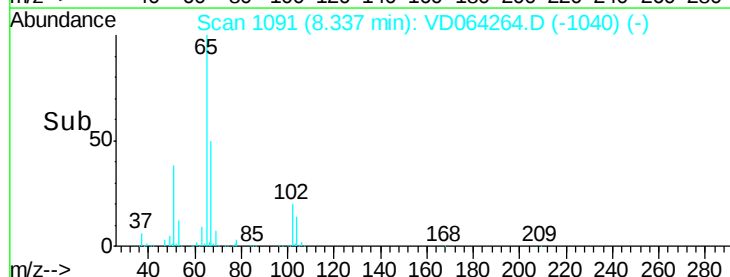
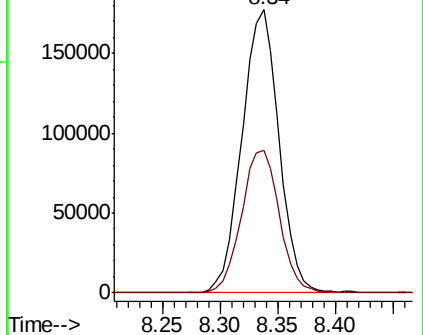
65 100

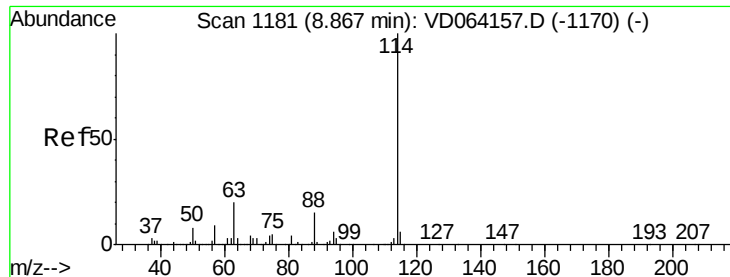
67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

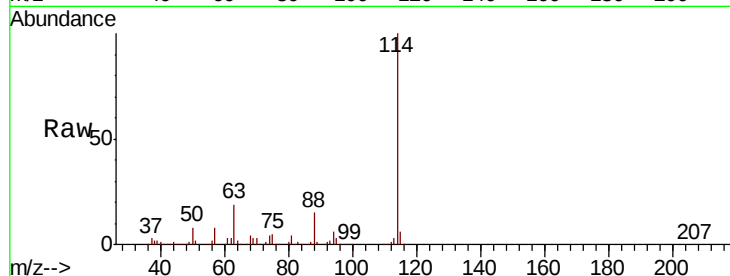




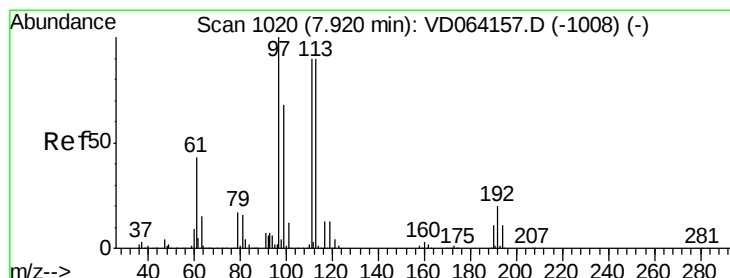
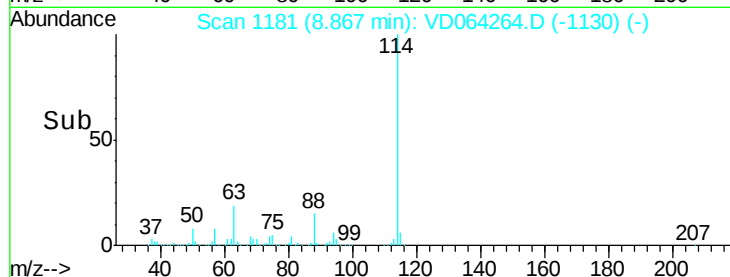
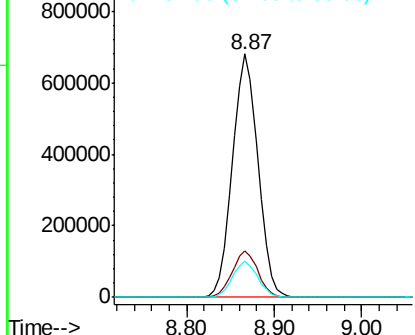
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Instrument :
MSVOA_D
ClientSampleId :
SU-01-111519

Tot Ion:114 Resp: 1343718
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 14.9 0.0 30.2

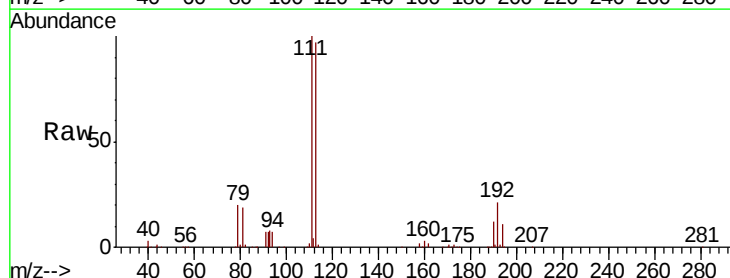


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VDC
Ion 87.90 (87.60 to 88.60): VDC

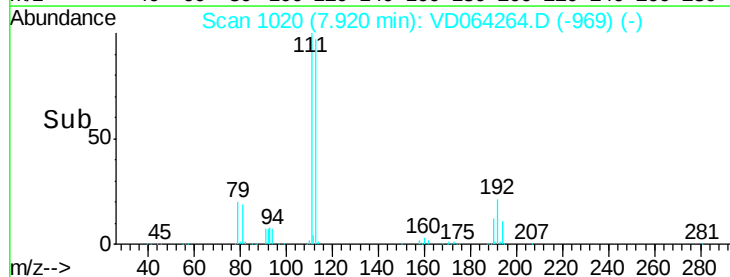
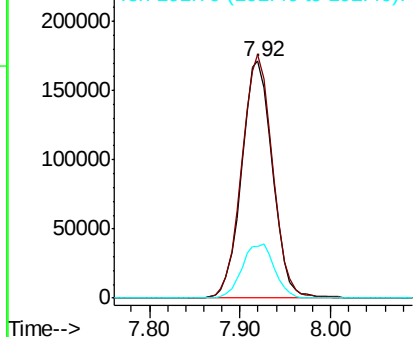


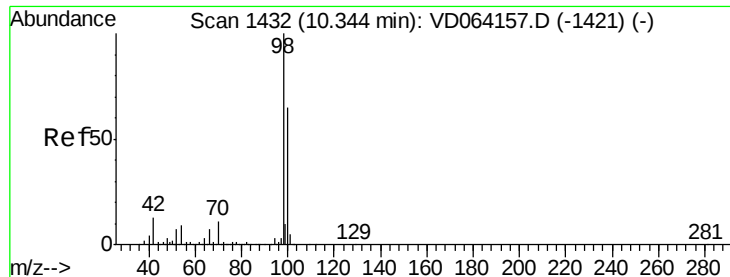
#35
Dibromofluoromethane
Concen: 52.575 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Tgt Ion:113 Resp: 405522
Ion Ratio Lower Upper
113 100
111 102.4 81.5 122.3
192 23.9 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

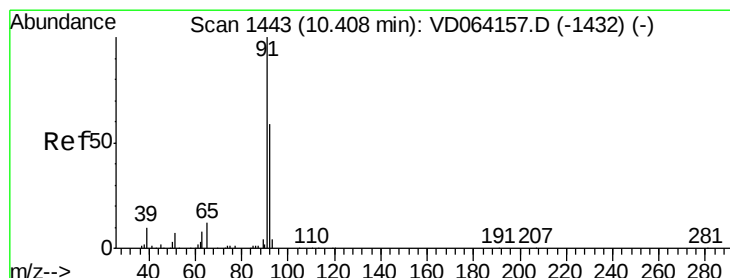
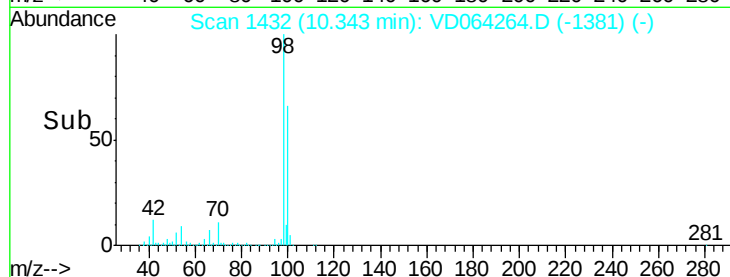
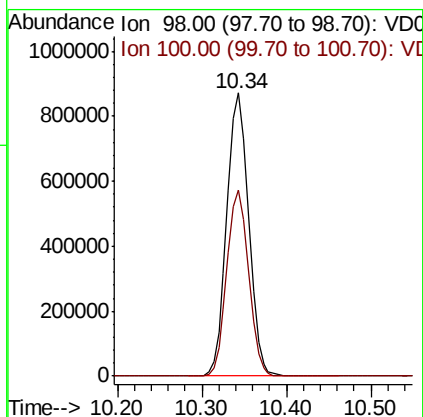
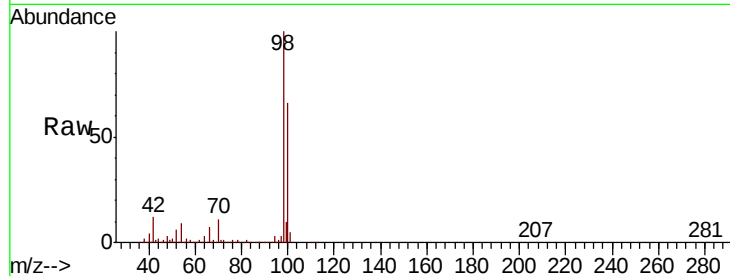




#50
Toluene-d8
Concen: 53.588 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

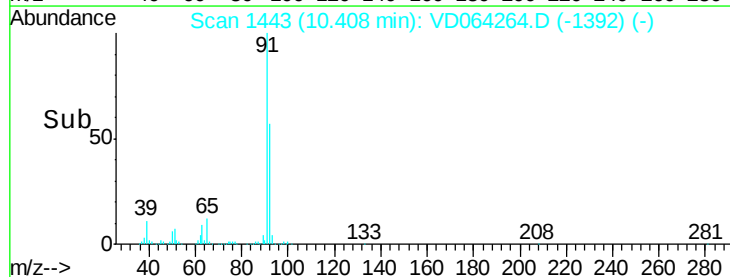
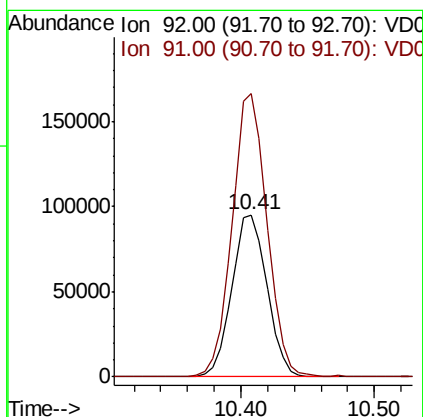
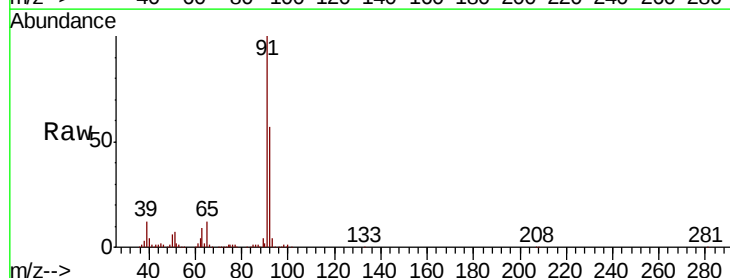
Instrument :
MSVOA_D
ClientSampleId :
SU-01-111519

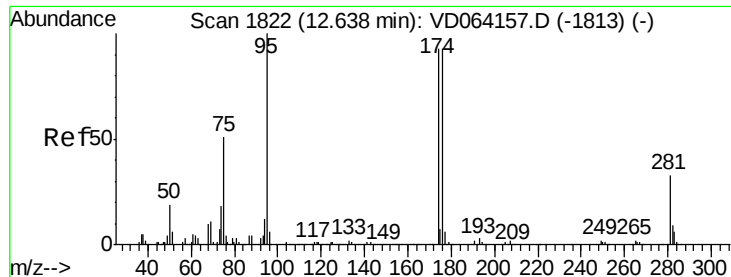
Tot Ion: 98 Resp: 1559263
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#52
Toluene
Concen: 7.848 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Tgt Ion: 92 Resp: 174907
Ion Ratio Lower Upper
92 100
91 172.3 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 50.087 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

SU-01-111519

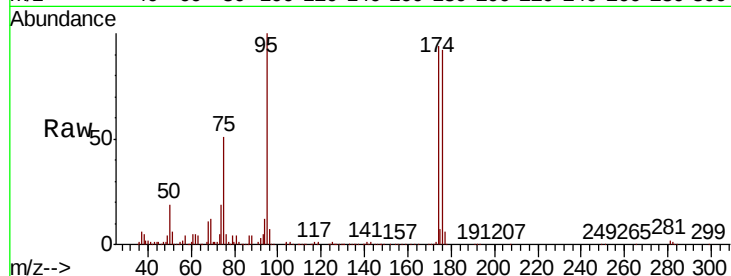
Tot Ion: 95 Resp: 504702

Ion Ratio Lower Upper

95 100

174 95.5 0.0 183.6

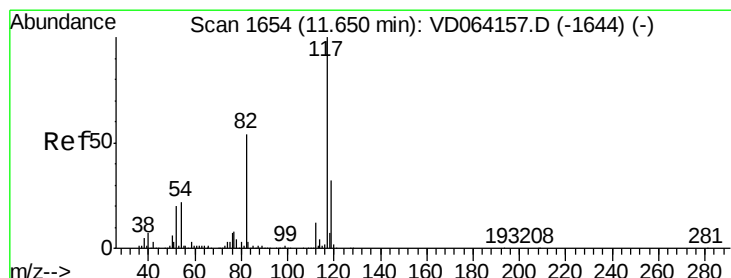
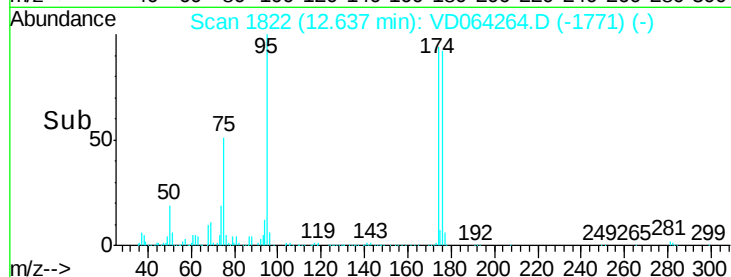
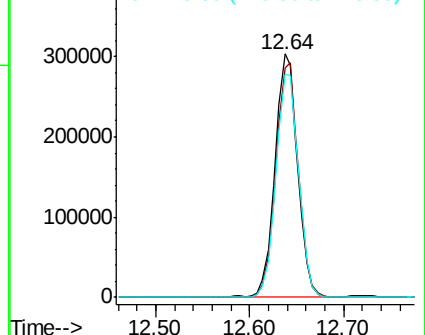
176 92.5 0.0 180.2



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: VD064264.D

Acq: 18 Nov 2019 15:02

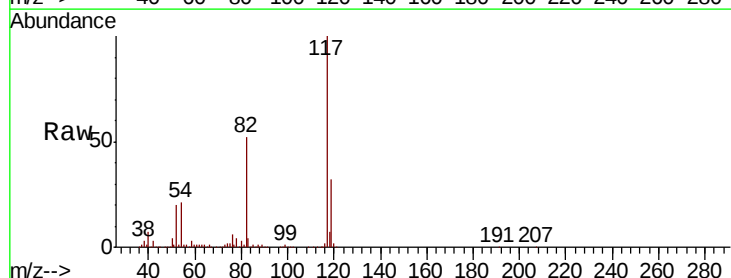
Tgt Ion: 117 Resp: 1162458

Ion Ratio Lower Upper

117 100

82 52.0 42.8 64.2

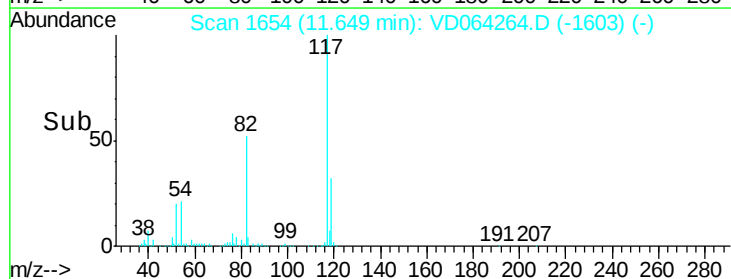
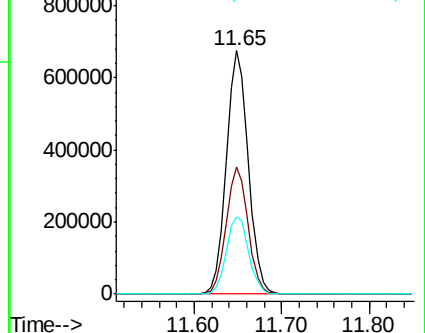
119 31.8 25.6 38.4

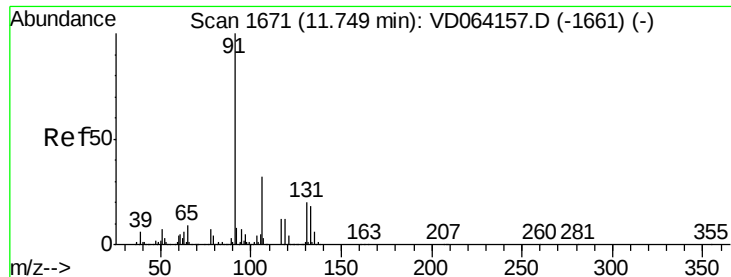


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 3.210 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

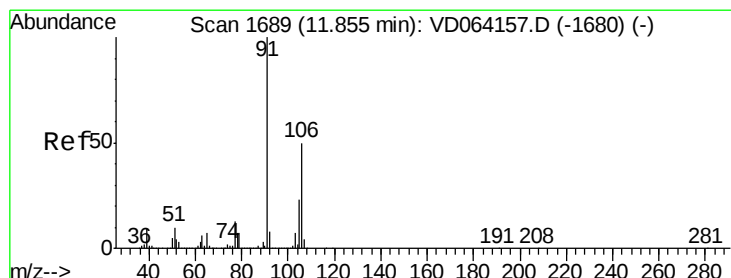
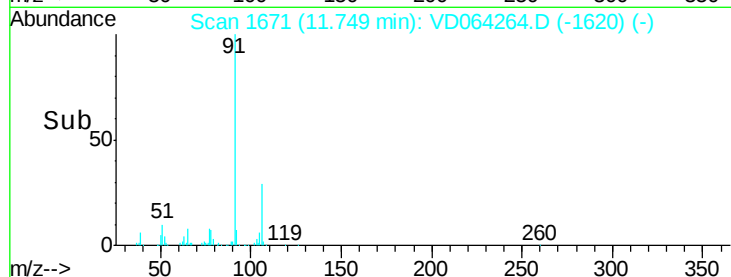
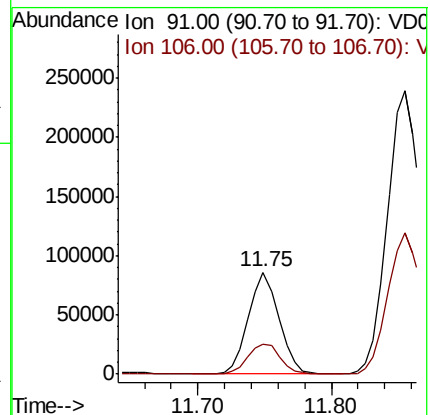
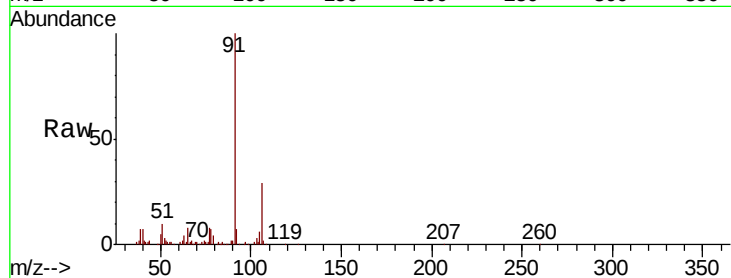
SU-01-111519

Tot Ion: 91 Resp: 137262

Ion Ratio Lower Upper

91 100

106 29.4 25.5 38.3



#68

m/p-Xylenes

Concen: 13.291 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064264.D

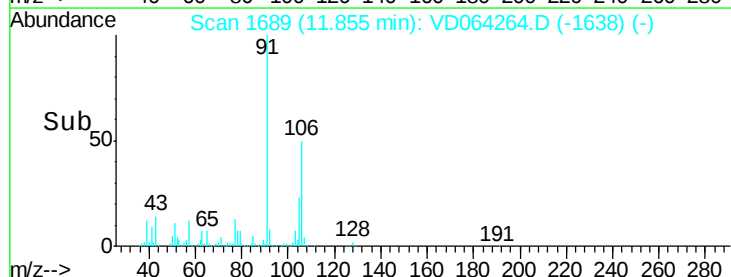
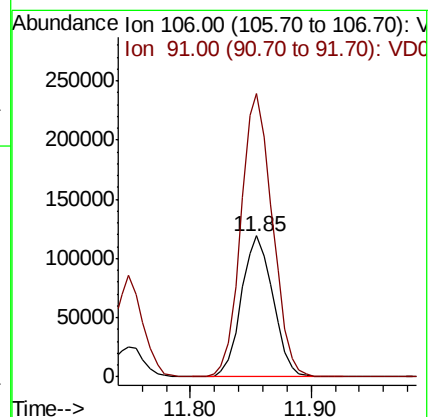
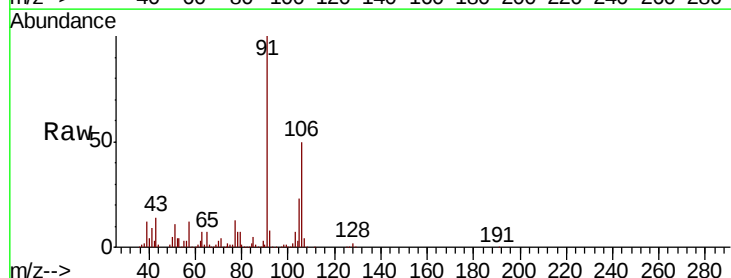
Acq: 18 Nov 2019 15:02

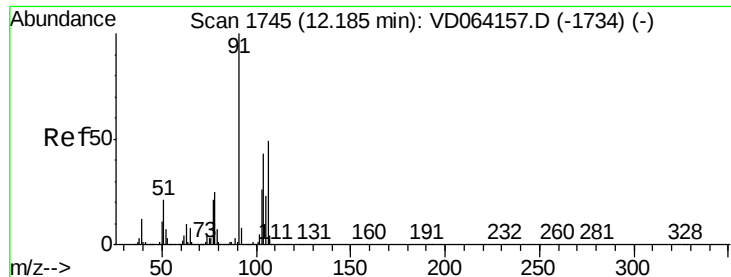
Tgt Ion: 106 Resp: 217828

Ion Ratio Lower Upper

106 100

91 200.1 160.3 240.5

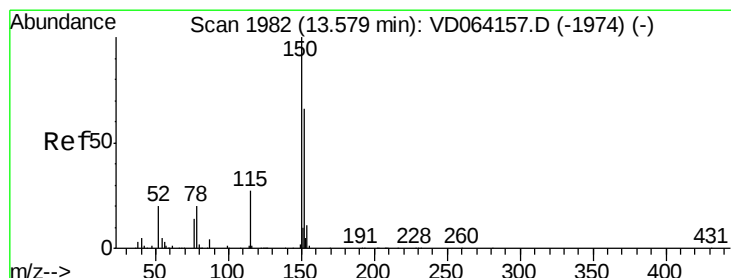
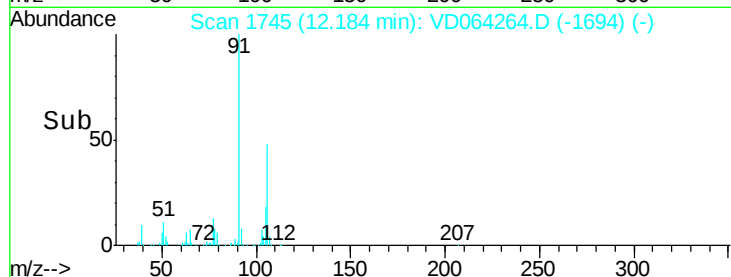
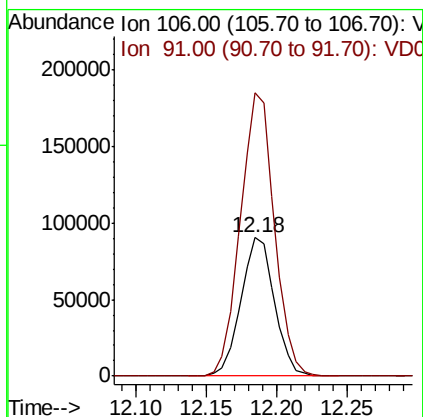
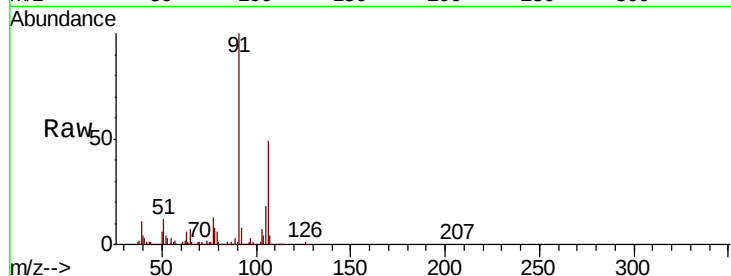




#69
o-Xylene
Concen: 9.904 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

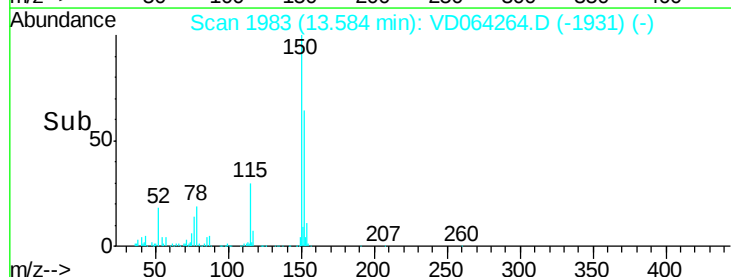
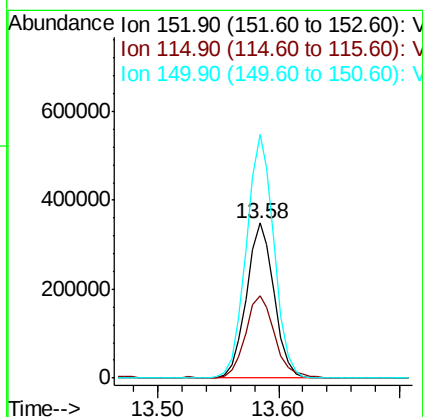
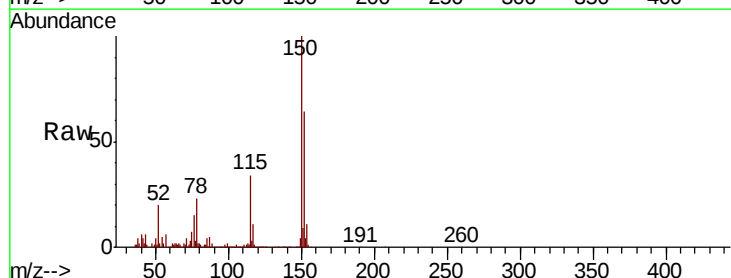
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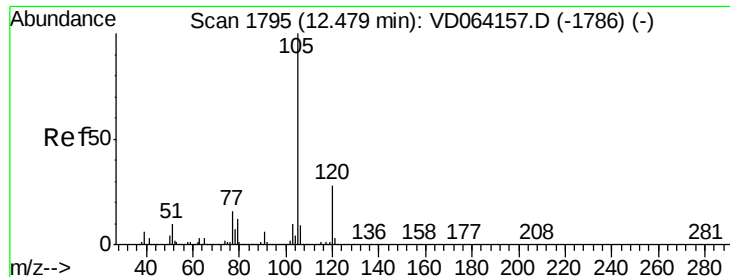
Tot Ion:106 Resp: 150545
Ion Ratio Lower Upper
106 100
91 207.0 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Tgt Ion:152 Resp: 553227
Ion Ratio Lower Upper
152 100
115 56.0 27.4 82.2
150 157.2 0.0 351.6





#73

Isopropylbenzene

Concen: 1.531 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

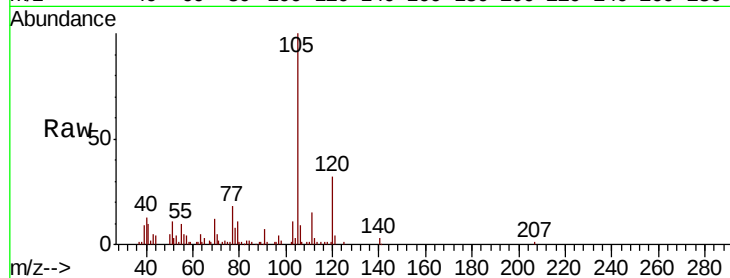
SU-01-111519

Tot Ion: 105 Resp: 62169

Ion Ratio Lower Upper

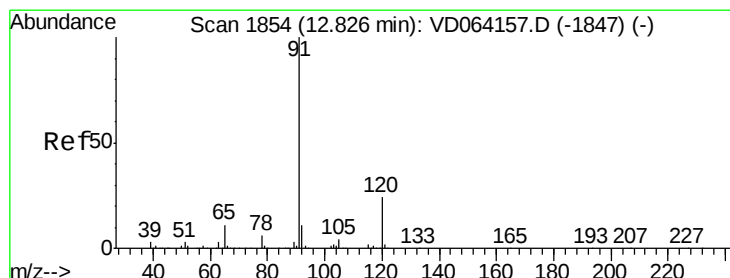
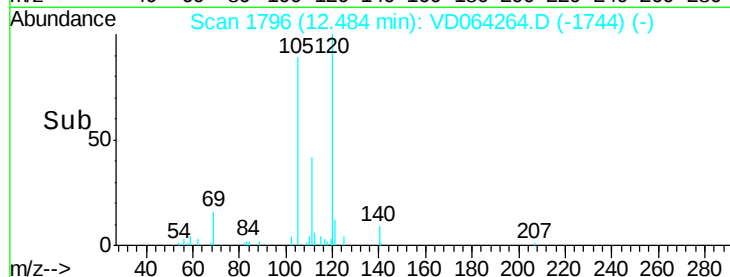
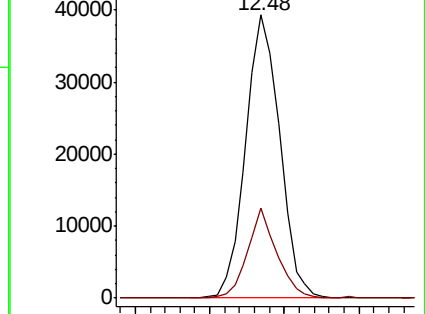
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.913 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064264.D

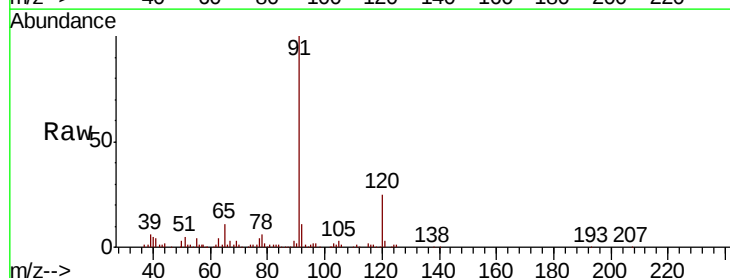
Acq: 18 Nov 2019 15:02

Tgt Ion: 91 Resp: 181520

Ion Ratio Lower Upper

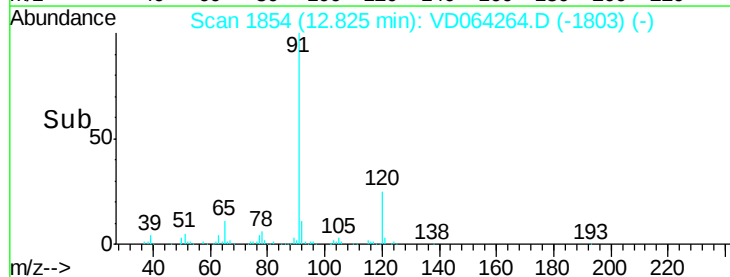
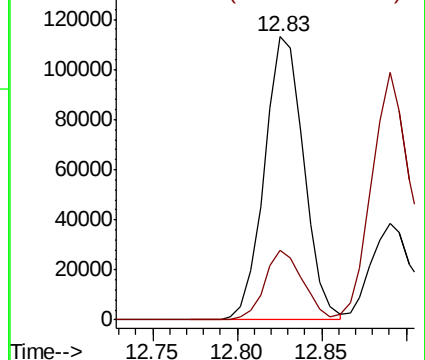
91 100

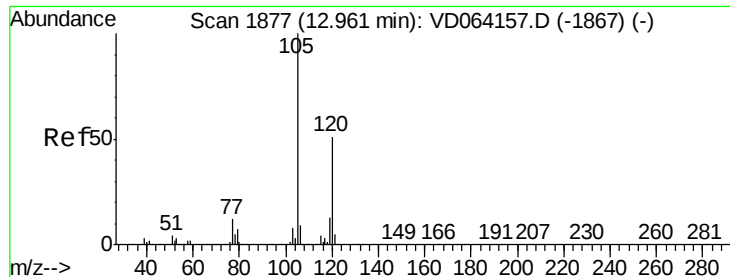
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

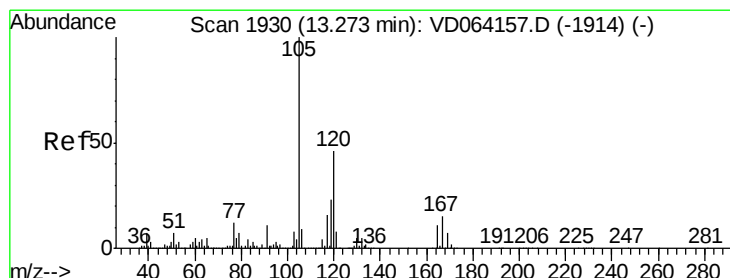
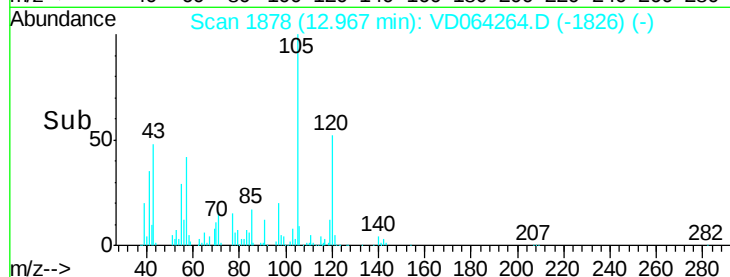
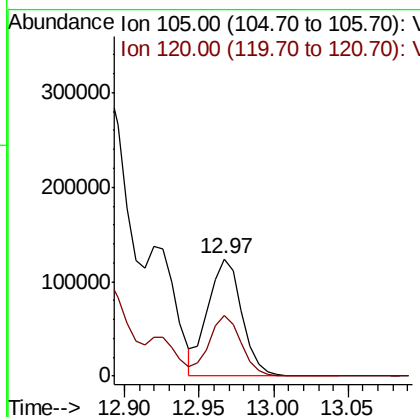
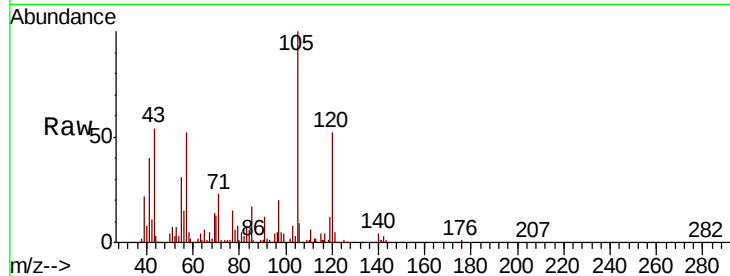




#80
 1,3,5-Trimethylbenzene
 Concen: 5.874 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064264.D
 Acq: 18 Nov 2019 15:02

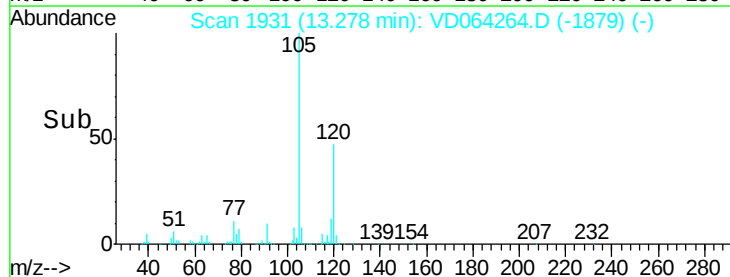
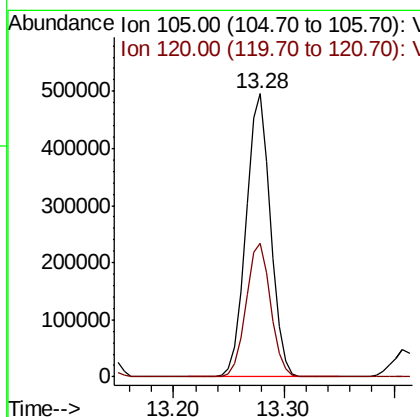
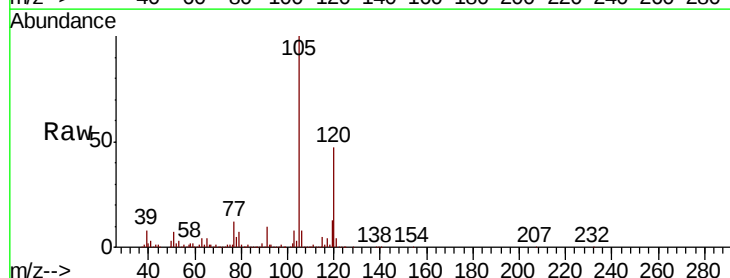
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

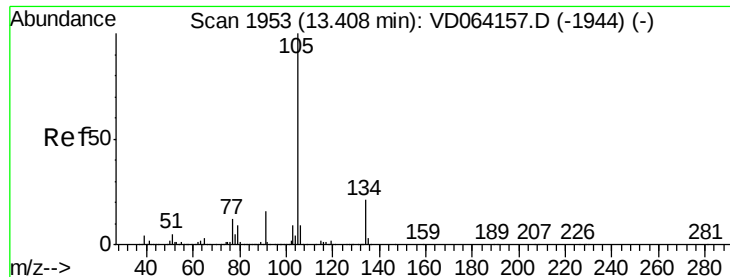
Tot Ion:105 Resp: 195984
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.4 76.4



#84
 1,2,4-Trimethylbenzene
 Concen: 23.346 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064264.D
 Acq: 18 Nov 2019 15:02

Tgt Ion:105 Resp: 769048
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.3 69.8





#85

sec-Butylbenzene

Concen: 1.914 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

Instrument :

MSVOA_D

ClientSampleId :

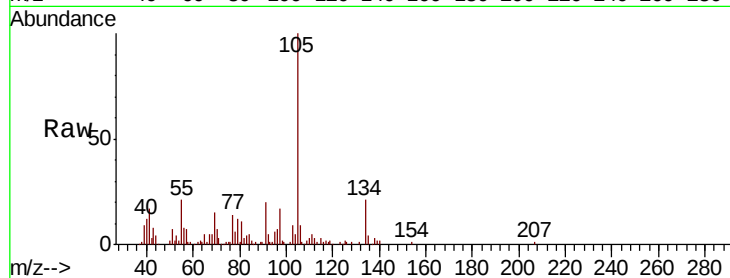
SU-01-111519

Tot Ion:105 Resp: 75637

Ion Ratio Lower Upper

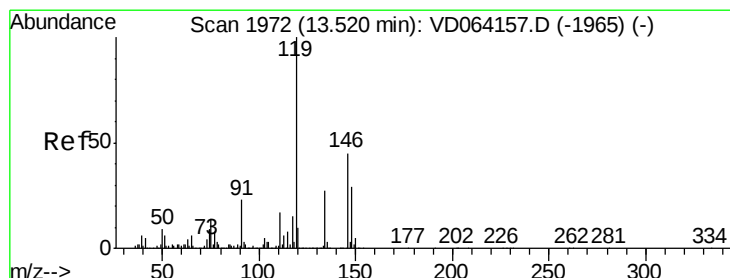
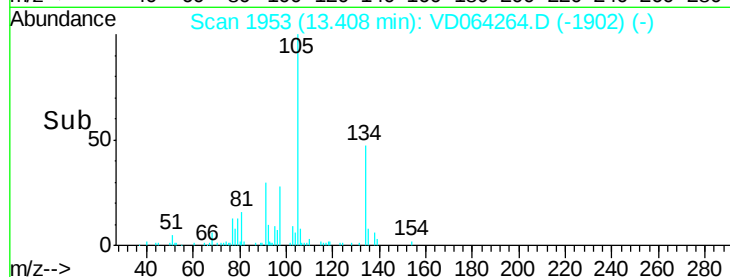
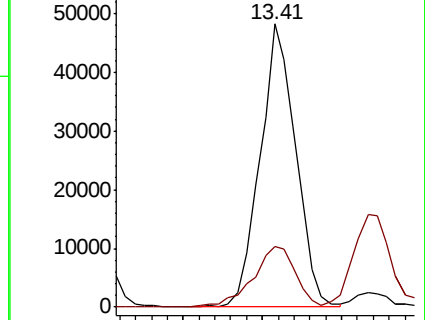
105 100

134 25.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.173 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064264.D

Acq: 18 Nov 2019 15:02

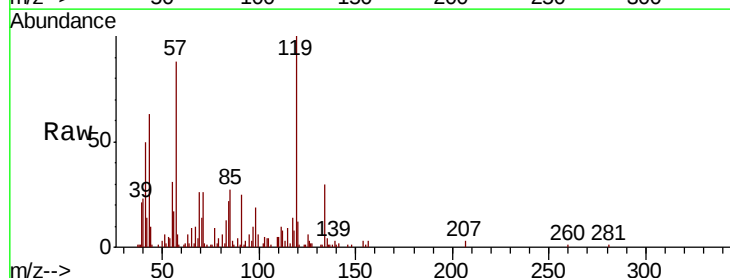
Tgt Ion:119 Resp: 44073

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

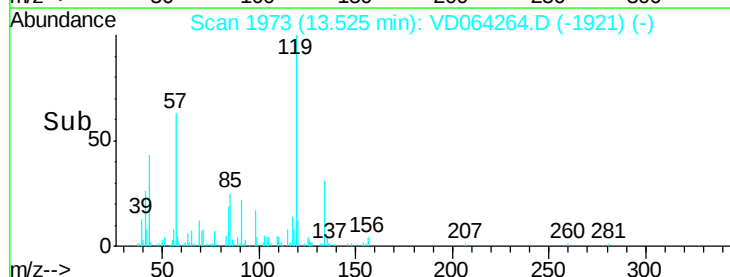
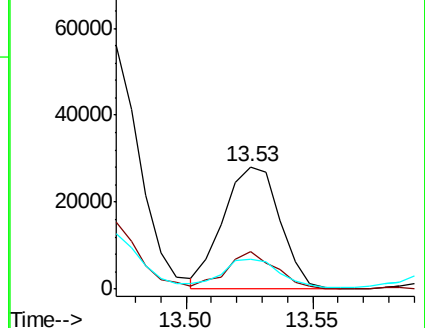
91 22.9 11.5 34.4

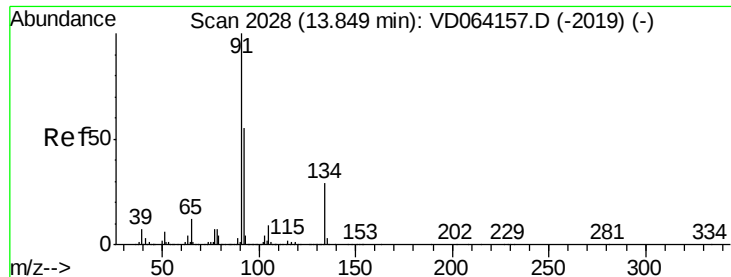


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

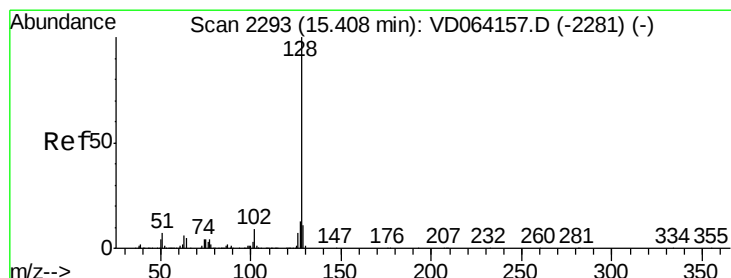
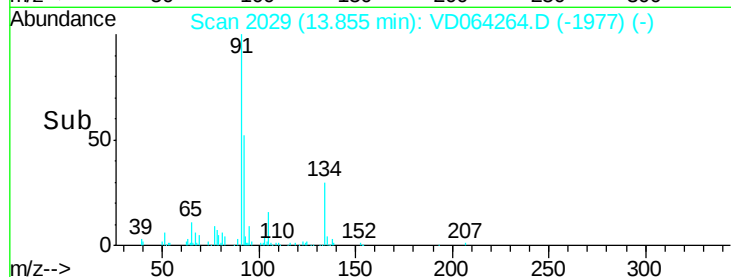
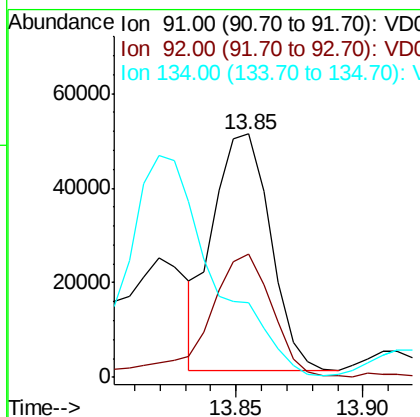
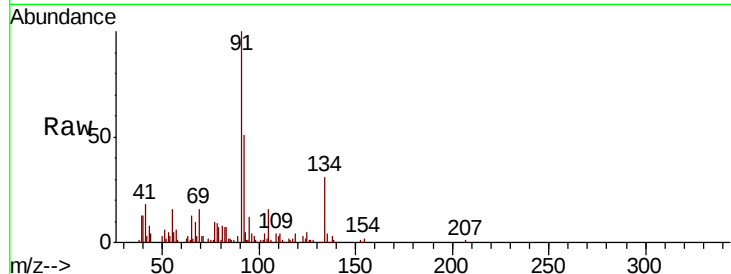




#89
n-Butylbenzene
Concen: 2.308 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Instrument :
MSVOA_D
ClientSampleId :
SU-01-111519

Tot Ion: 91 Resp: 78320
Ion Ratio Lower Upper
91 100
92 58.0 27.3 81.8
134 0.0 14.1 42.4#



#95
Naphthalene
Concen: 75.888 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064264.D
Acq: 18 Nov 2019 15:02

Tgt Ion: 128 Resp: 1487406
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.2 8.6 13.0

