

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064265.D
 Acq On : 18 Nov 2019 15:31
 Operator : VA/SY
 Sample : K5864-07RE
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0RE

Quant Time: Nov 19 05:42:46 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	887547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1364101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1053472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	759796	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	417211	57.16	ug/l	0.00
Spiked Amount			Recovery	=	114.32%	
35) Dibromofluoromethane	7.92	113	426212	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	10.34	98	1635773	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
62) 4-Bromofluorobenzene	12.64	95	911050	89.06	ug/l	0.00
Spiked Amount			Recovery	=	178.12%	

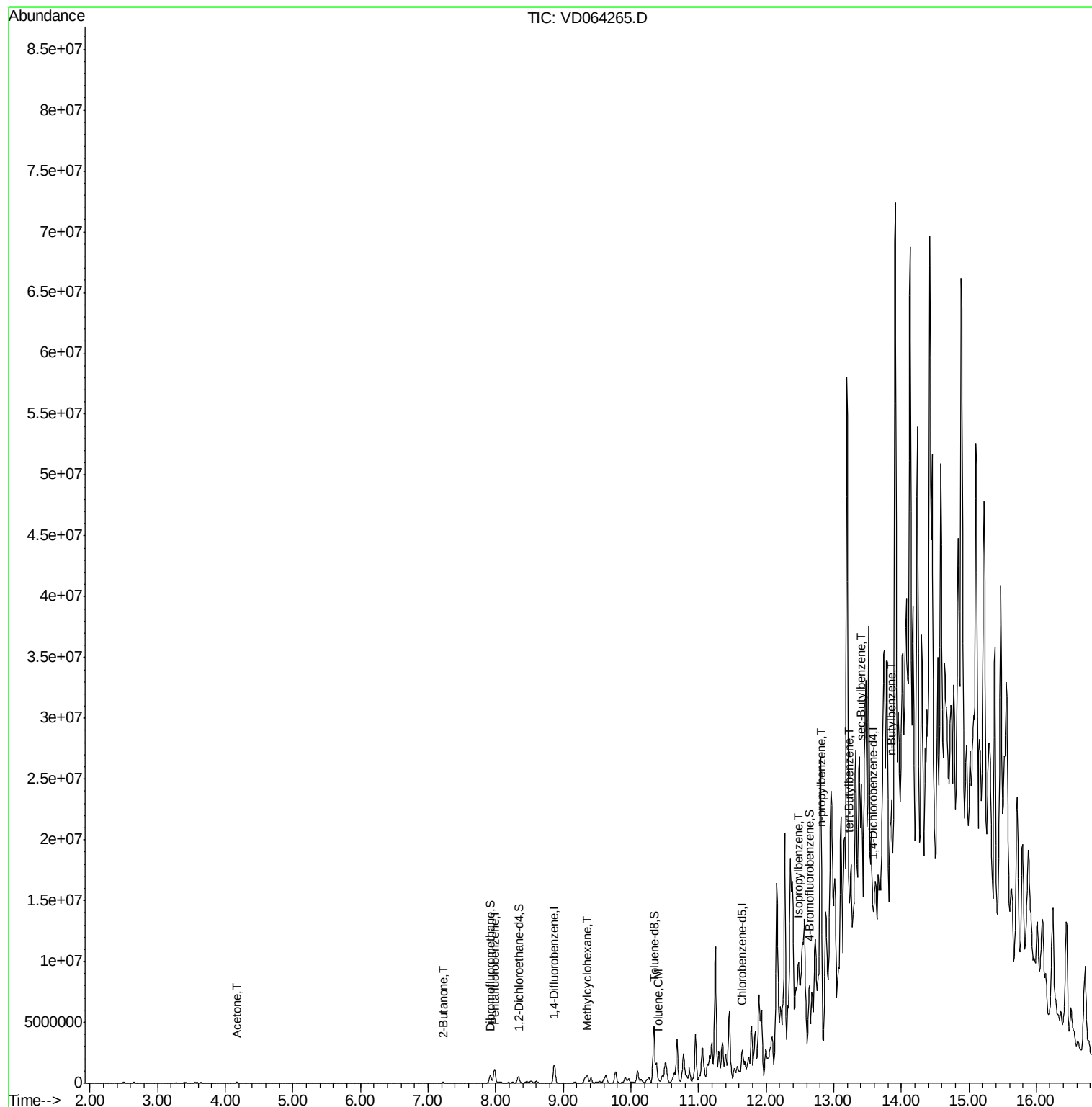
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	70856	40.975	ug/l	93
25) 2-Butanone	7.23	43	16836	7.536	ug/l #	85
39) Methylcyclohexane	9.36	83	224037	14.064	ug/l	90
52) Toluene	10.41	92	92554	4.091	ug/l	95
73) Isopropylbenzene	12.48	105	925203	16.590	ug/l	98
78) n-propylbenzene	12.83	91	1810782	28.419	ug/l	98
83) tert-Butylbenzene	13.23	119	307966	7.621	ug/l	73
85) sec-Butylbenzene	13.41	105	3741072	68.933	ug/l	87
89) n-Butylbenzene	13.85	91	3272800	70.211	ug/l #	75

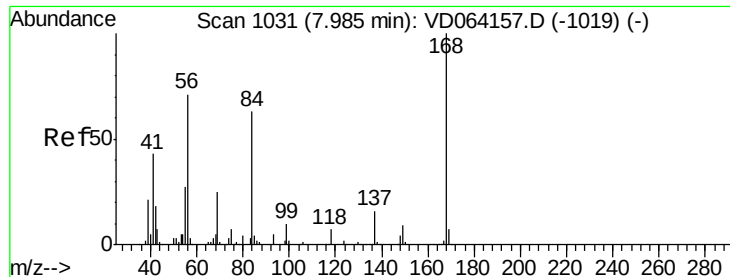
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

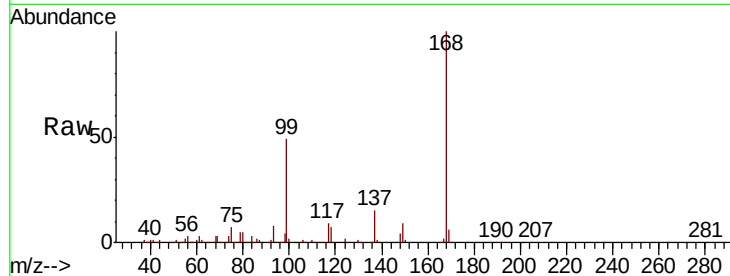
SB-04-7.5-8.0RE

Tot Ion:168 Resp: 887547

Ion Ratio Lower Upper

168 100

99 48.7 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

400000

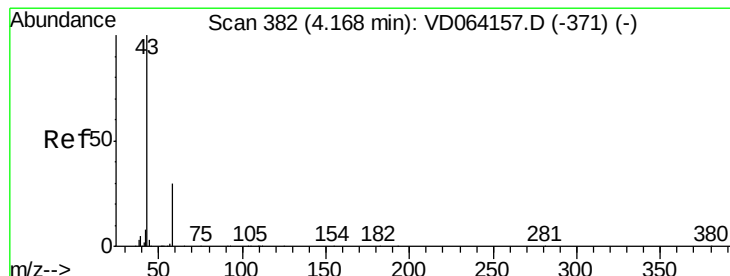
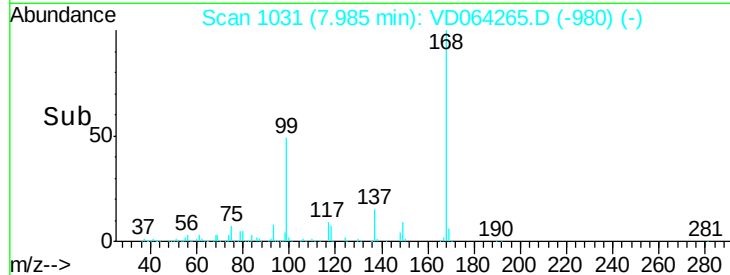
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 40.975 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064265.D

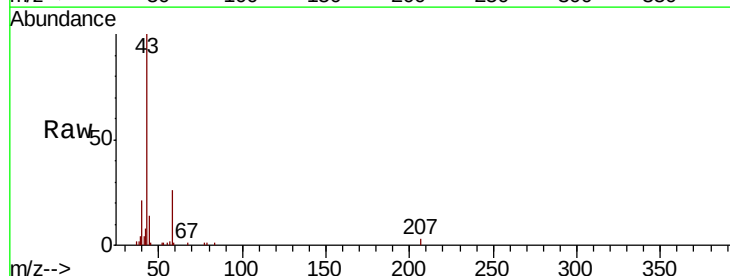
Acq: 18 Nov 2019 15:31

Tgt Ion: 43 Resp: 70856

Ion Ratio Lower Upper

43 100

58 26.4 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

25000

20000

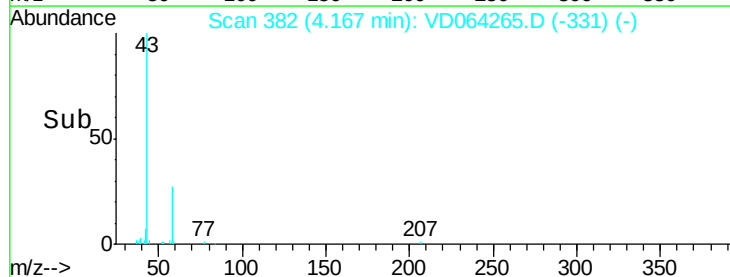
15000

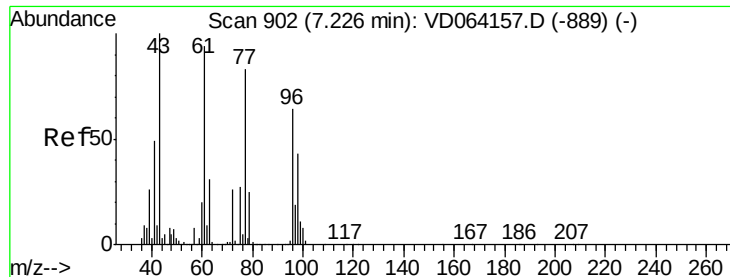
10000

5000

0

Time-->





#25

2-Butanone

Concen: 7.536 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

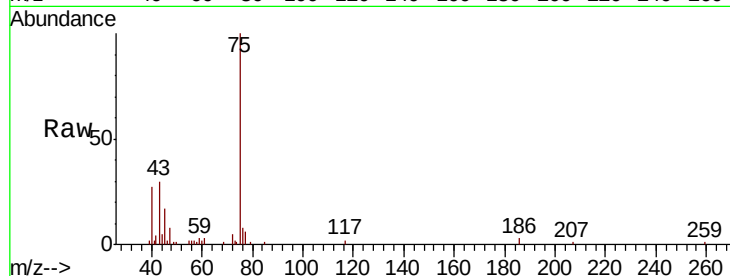
SB-04-7.5-8.0RE

Tot Ion: 43 Resp: 16836

Ion Ratio Lower Upper

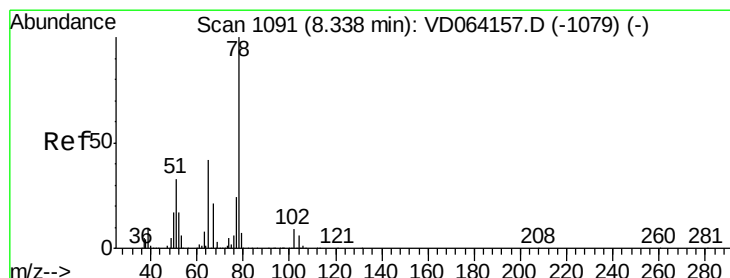
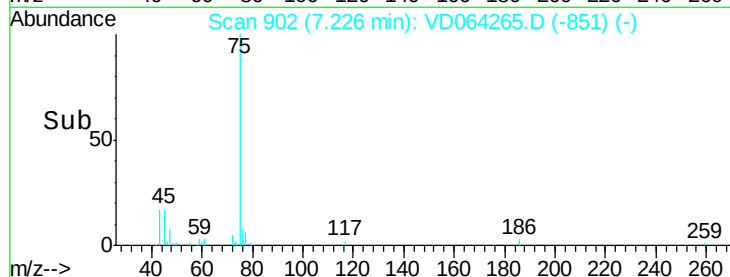
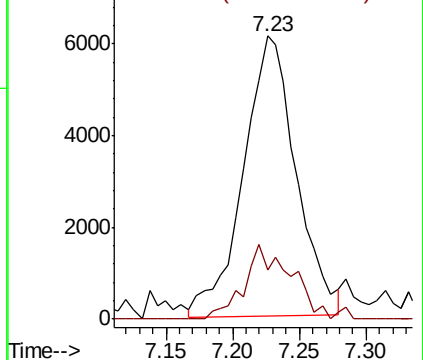
43 100

72 18.0 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: 57.156 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064265.D

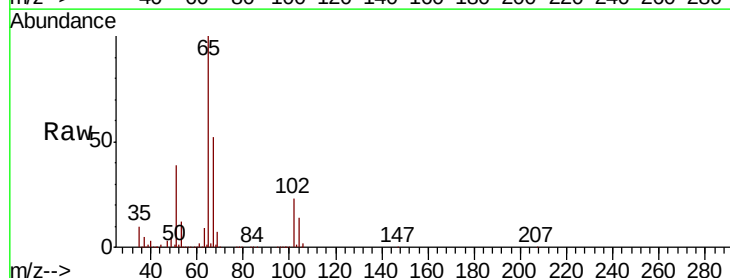
Acq: 18 Nov 2019 15:31

Tgt Ion: 65 Resp: 417211

Ion Ratio Lower Upper

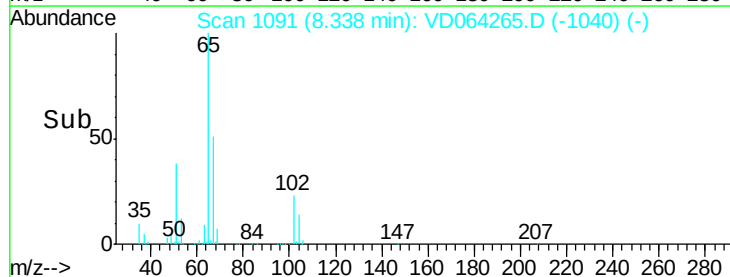
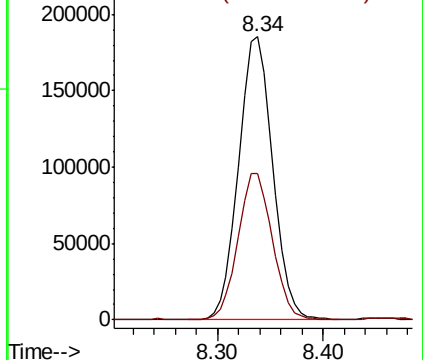
65 100

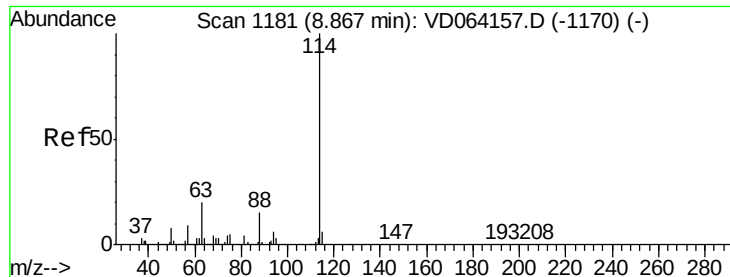
67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

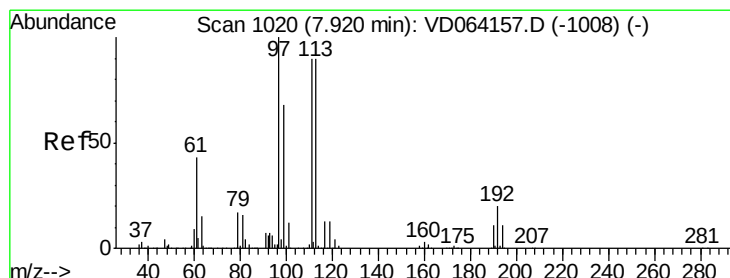
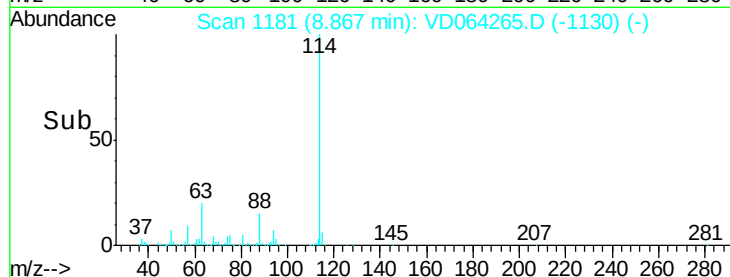
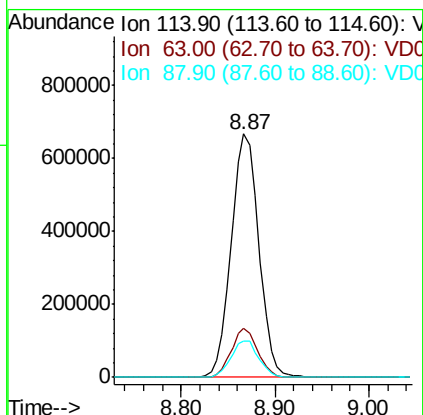
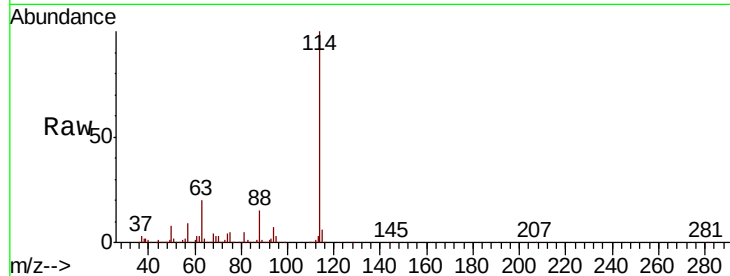




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064265.D
 Acq: 18 Nov 2019 15:31

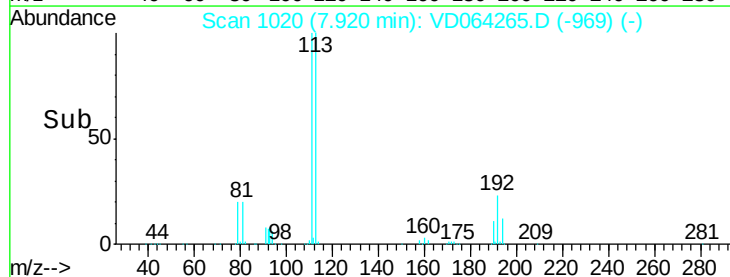
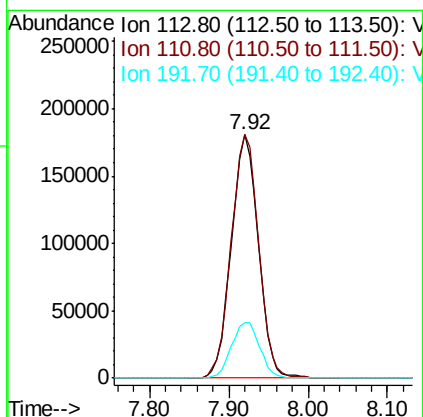
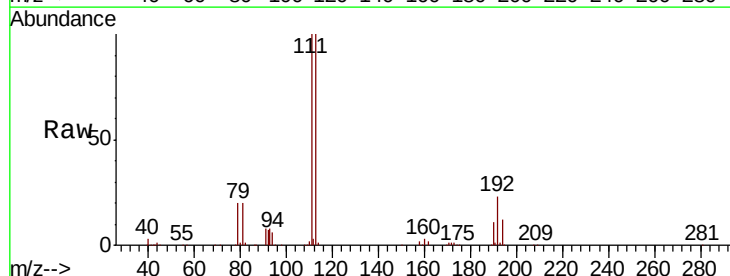
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0RE

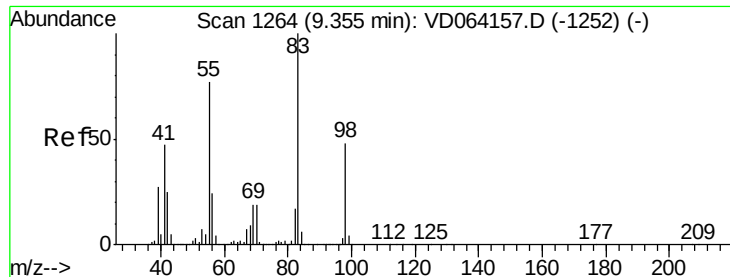
Tot Ion:114 Resp: 1364101
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.1 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 54.432 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064265.D
 Acq: 18 Nov 2019 15:31

Tgt Ion:113 Resp: 426212
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 23.9 18.8 28.2

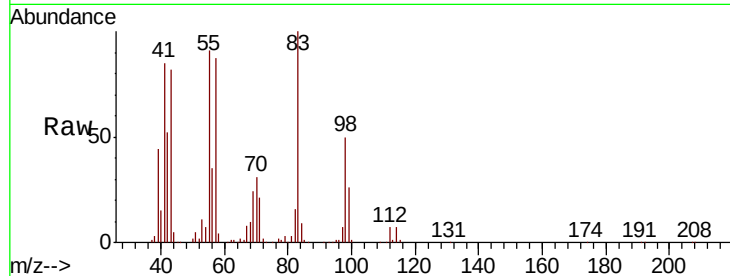




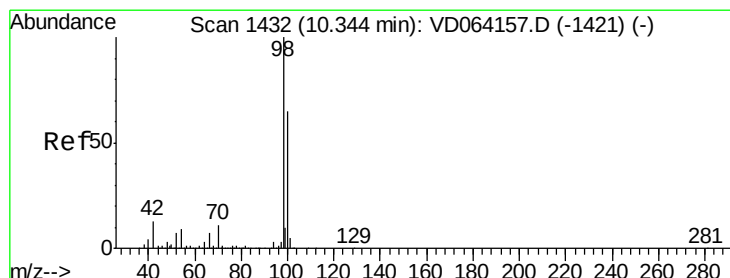
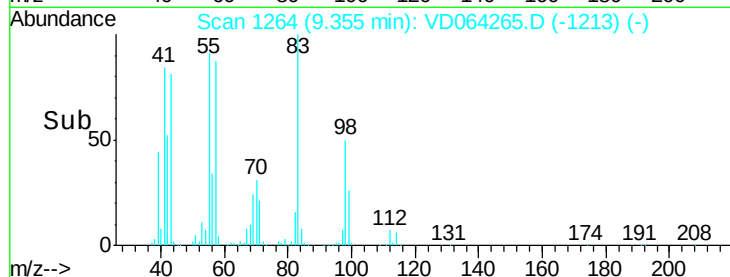
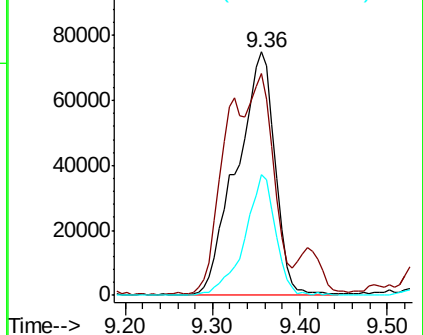
#39
Methylvlcyclohexane
Concen: 14.064 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064265.D
Acq: 18 Nov 2019 15:31

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0RE

Tot Ion: 83 Resp: 224037
Ion Ratio Lower Upper
83 100
55 90.4 61.7 92.5
98 49.5 38.6 58.0

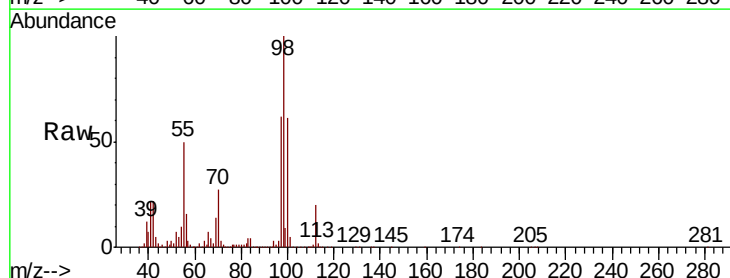


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

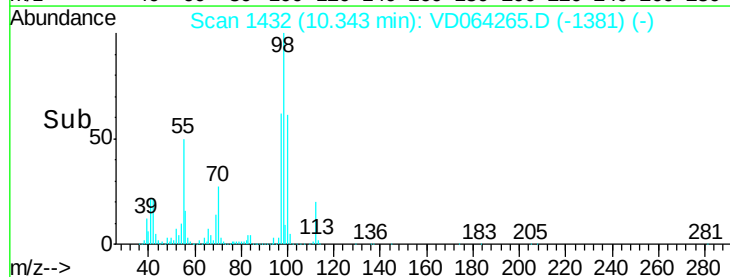
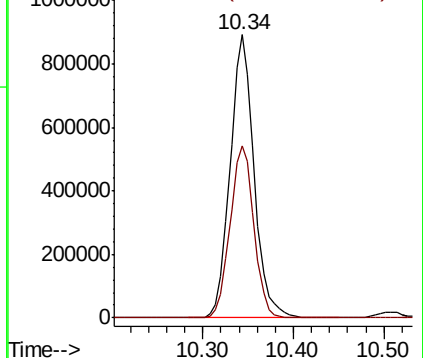


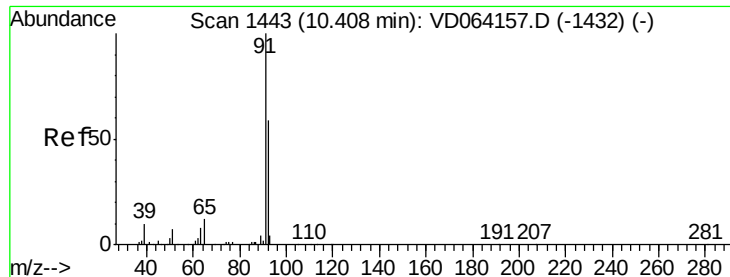
#50
Toluene-d8
Concen: 55.377 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064265.D
Acq: 18 Nov 2019 15:31

Tgt Ion: 98 Resp: 1635773
Ion Ratio Lower Upper
98 100
100 60.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 4.091 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

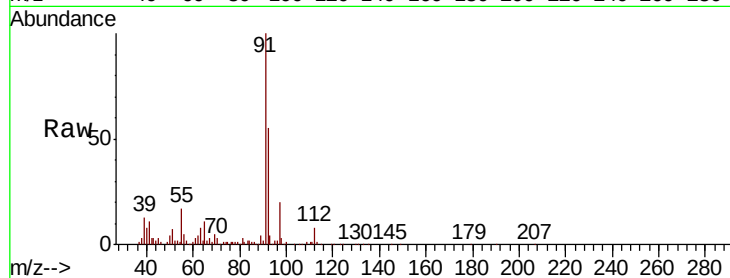
SB-04-7.5-8.0RE

Tot Ion: 92 Resp: 92554

Ion Ratio Lower Upper

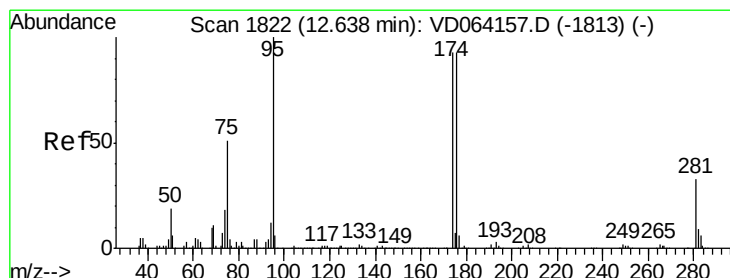
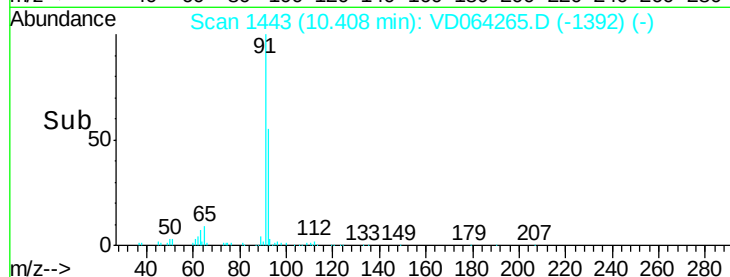
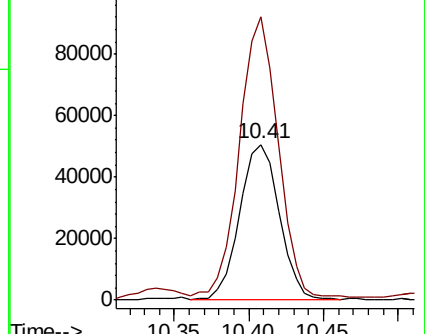
92 100

91 177.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 89.061 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

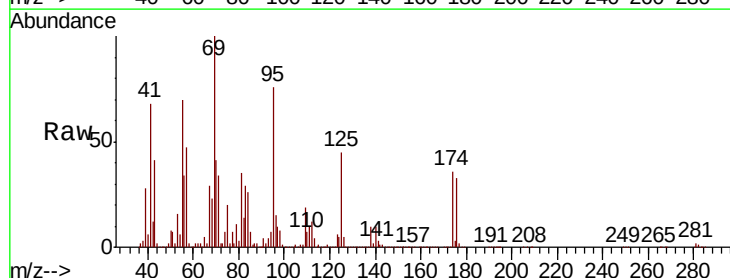
Tgt Ion: 95 Resp: 911050

Ion Ratio Lower Upper

95 100

174 44.8 0.0 183.6

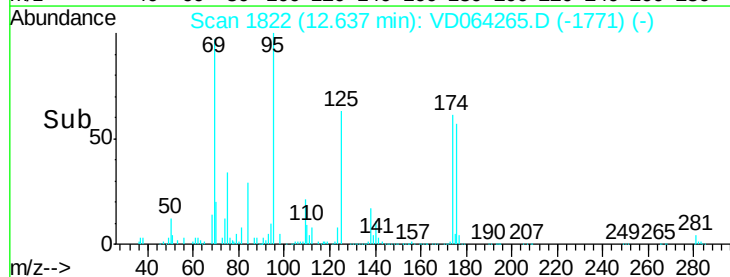
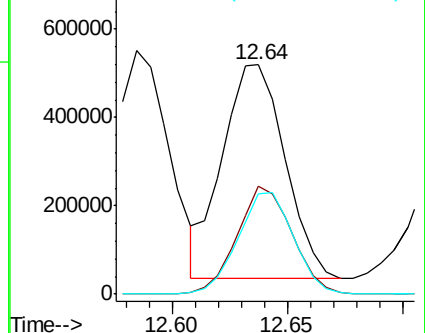
176 42.6 0.0 180.2

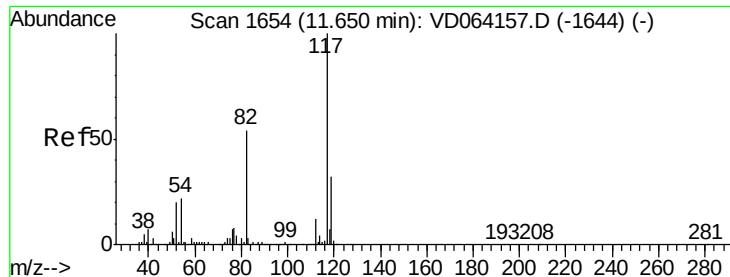


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

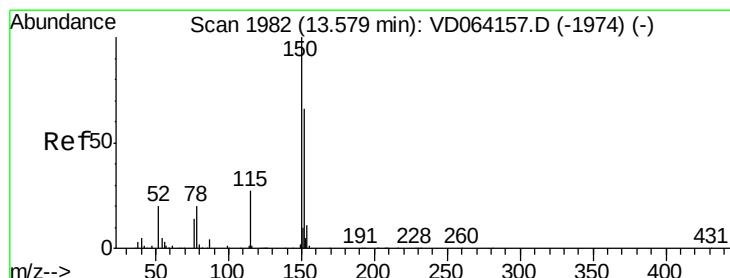
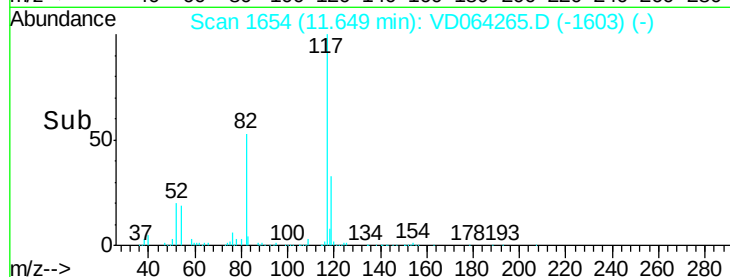
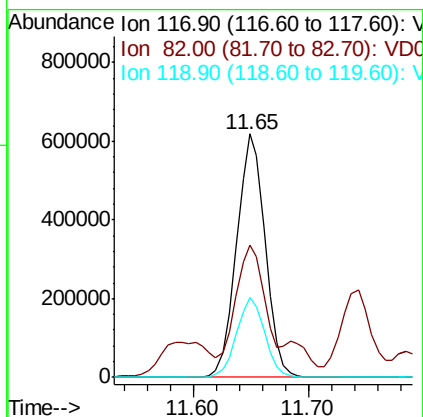
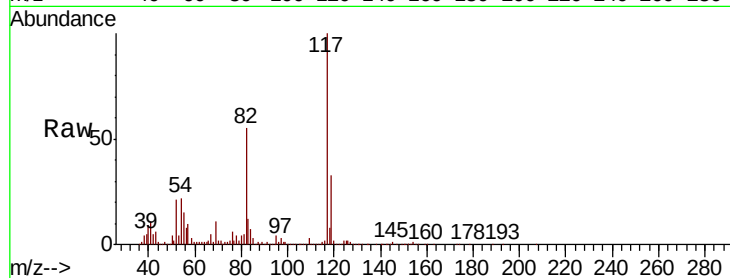




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064265.D
Acq: 18 Nov 2019 15:31

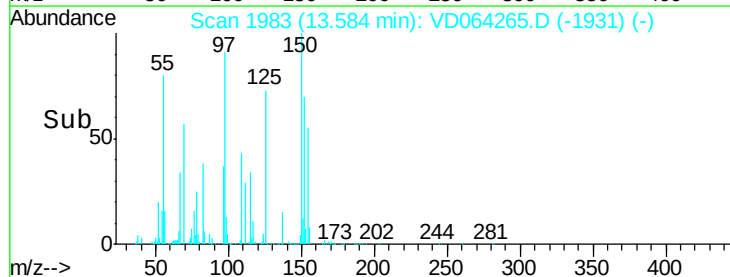
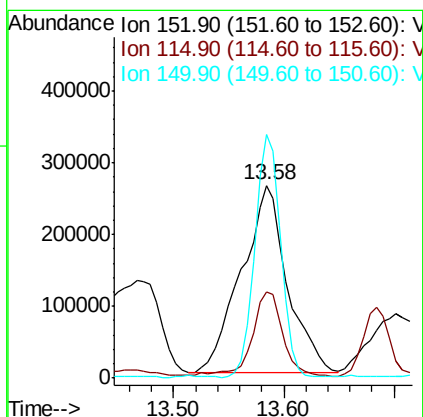
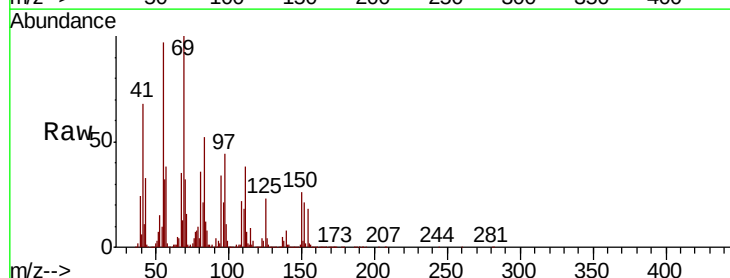
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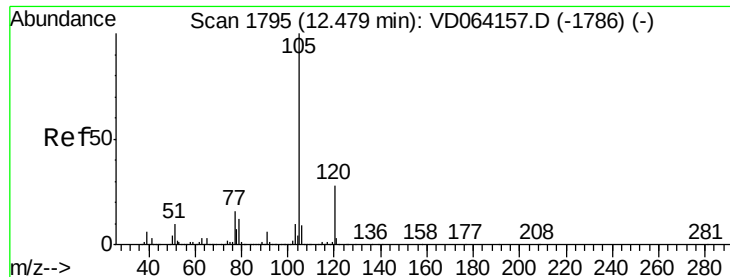
Tot Ion:117 Resp: 1053472
Ion Ratio Lower Upper
117 100
82 40.9 42.8 64.2#
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064265.D
Acq: 18 Nov 2019 15:31

Tgt Ion:152 Resp: 759796
Ion Ratio Lower Upper
152 100
115 30.4 27.4 82.2
150 72.8 0.0 351.6





#73

Isopropylbenzene

Concen: 16.590 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

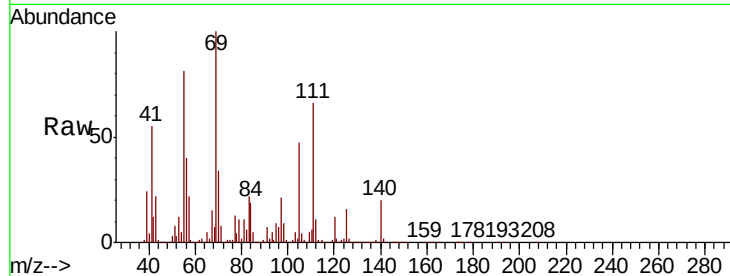
SB-04-7.5-8.0RE

Tot Ion:105 Resp: 925203

Ion Ratio Lower Upper

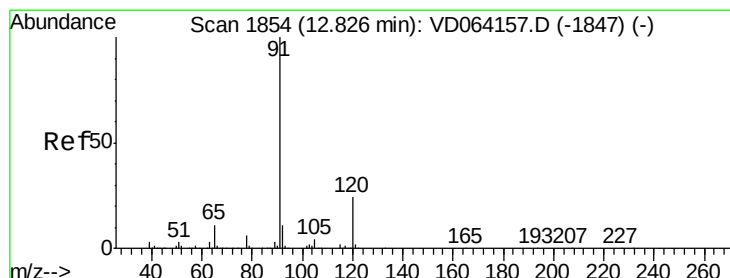
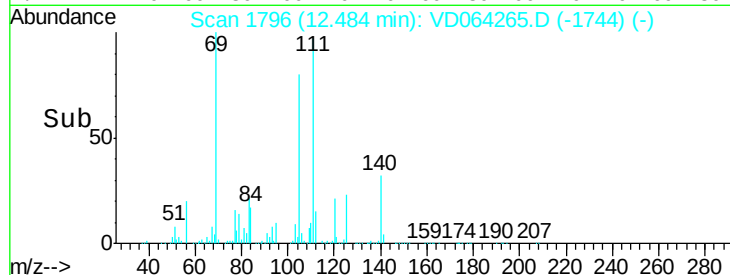
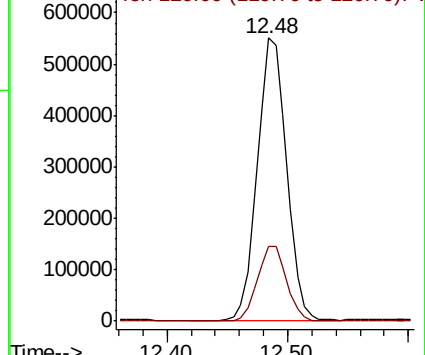
105 100

120 26.4 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: 28.419 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064265.D

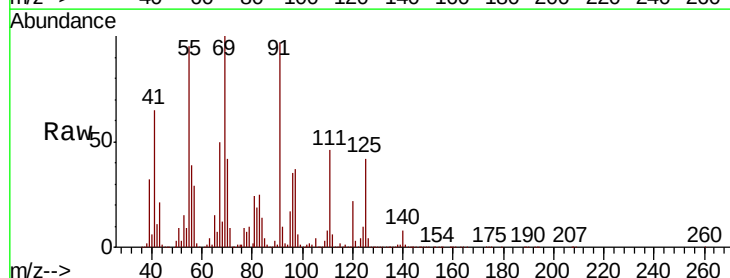
Acq: 18 Nov 2019 15:31

Tgt Ion: 91 Resp: 1810782

Ion Ratio Lower Upper

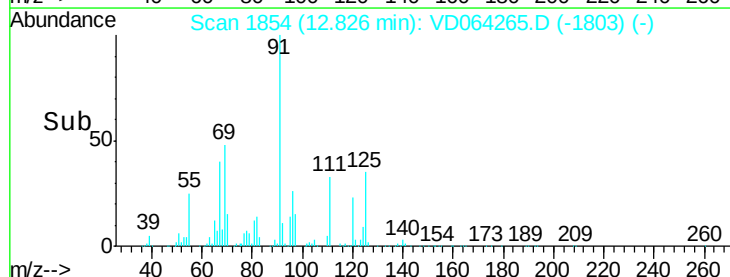
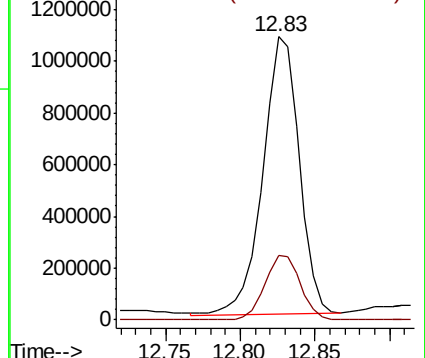
91 100

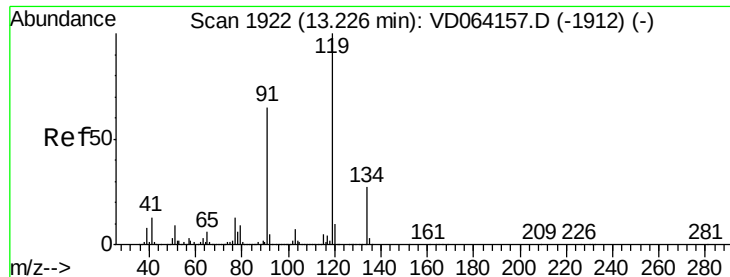
120 22.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 7.621 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064265.D

Acq: 18 Nov 2019 15:31

Instrument :

MSVOA_D

ClientSampleId :

SB-04-7.5-8.0RE

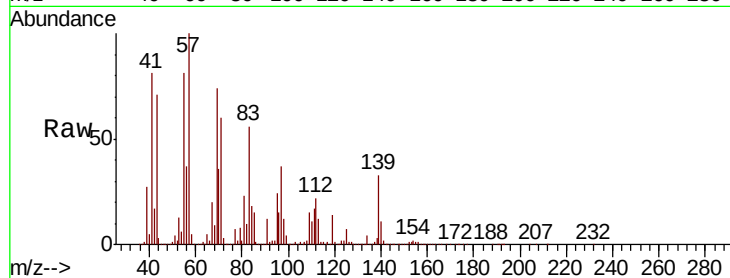
Tot Ion:119 Resp: 307966

Ion Ratio Lower Upper

119 100

91 93.4 31.8 95.4

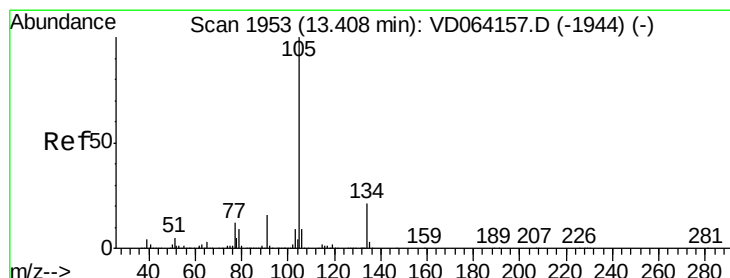
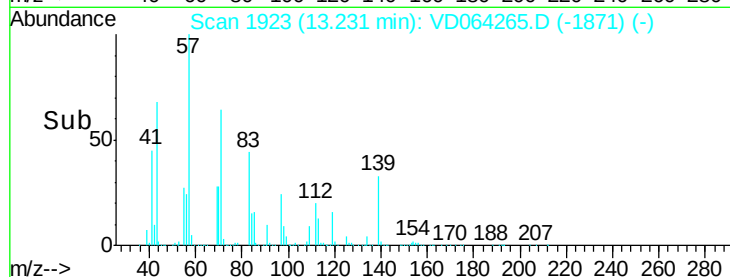
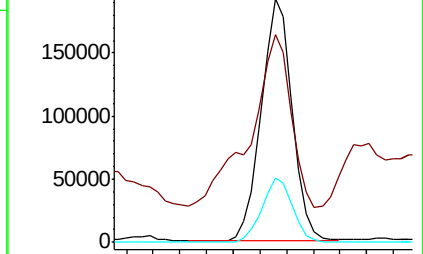
134 26.1 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 68.933 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064265.D

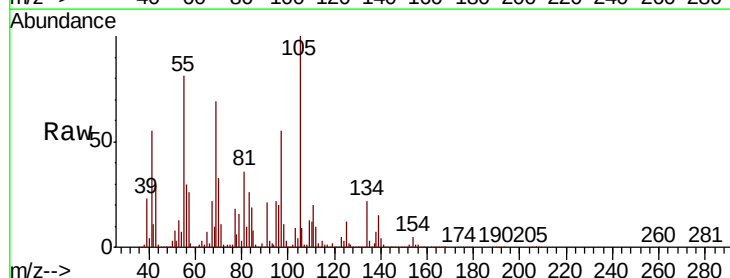
Acq: 18 Nov 2019 15:31

Tgt Ion:105 Resp: 3741072

Ion Ratio Lower Upper

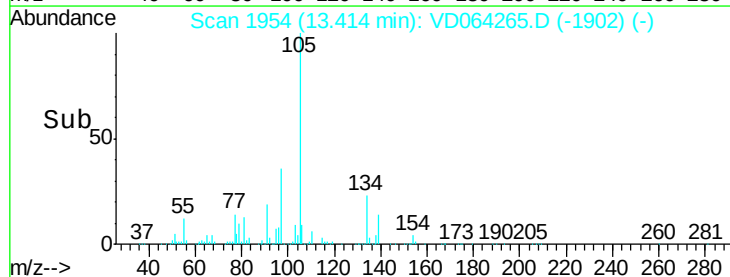
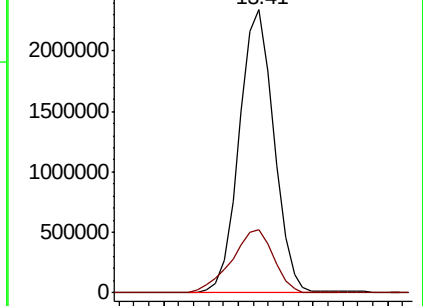
105 100

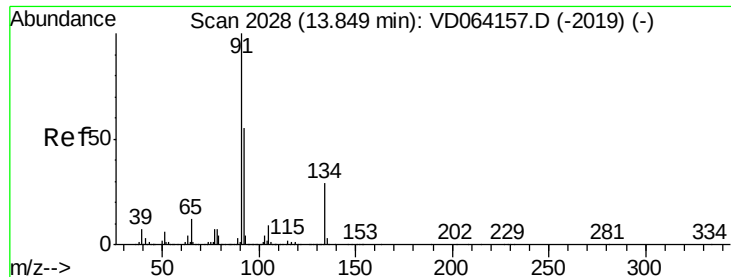
134 27.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89
 n-Butylbenzene
 Concen: 70.211 ug/l
 RT: 13.85 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: VD064265.D
 Acq: 18 Nov 2019 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0RE

Tot Ion: 91 Resp: 3272800
 Ion Ratio Lower Upper
 91 100
 92 47.4 27.3 81.8
 134 0.0 14.1 42.4#

