

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064441.D
 Acq On : 05 Dec 2019 17:31
 Operator : VA/SY
 Sample : K6174-01RE
 Misc : 10.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

Quant Time: Dec 06 08:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	774326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1224840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1157458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	567745	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	316316	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	7.92	113	316027	40.95	ug/l	0.00
Spiked Amount			Recovery	=	81.90%	
50) Toluene-d8	10.34	98	2141926	73.68	ug/l	0.00
Spiked Amount			Recovery	=	147.36%	
62) 4-Bromofluorobenzene	12.63	95	610966	65.40	ug/l	0.00
Spiked Amount			Recovery	=	130.80%	

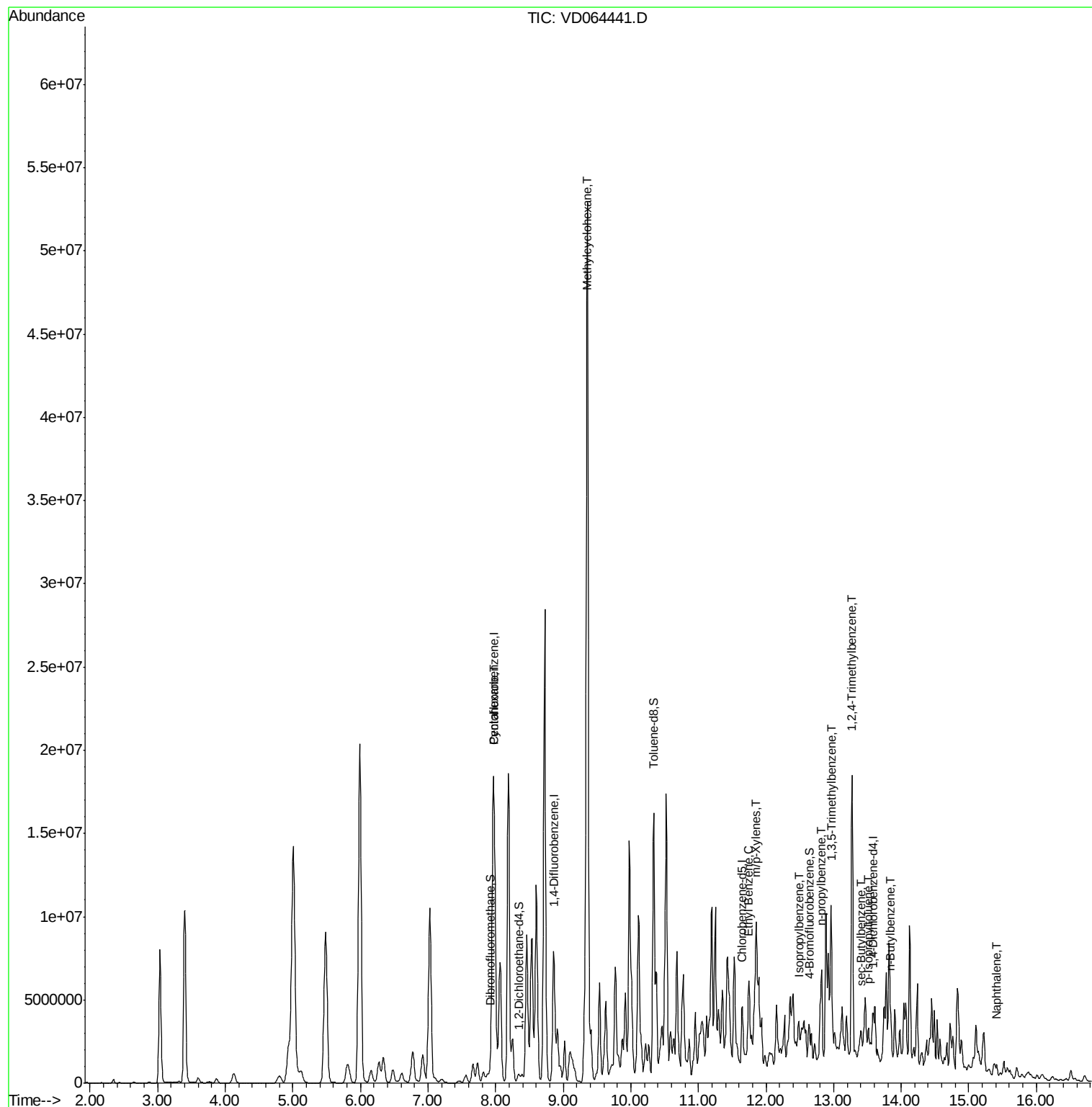
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.98	56	7785934	754.253	ug/l	94
39) Methylcyclohexane	9.36	83	20230031	1407.694	ug/l #	80
67) Ethyl Benzene	11.75	91	1806195	42.051	ug/l	98
68) m/p-Xylenes	11.86	106	2024762	123.633	ug/l	99
73) Isopropylbenzene	12.48	105	1344364	32.924	ug/l	100
78) n-propylbenzene	12.83	91	3907255	82.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	3412356	102.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	9167657	273.230	ug/l	97
85) sec-Butylbenzene	13.41	105	911299	22.888	ug/l #	62
86) p-Isopropyltoluene	13.52	119	502539	13.369	ug/l	96
89) n-Butylbenzene	13.85	91	1220293	35.748	ug/l #	74
95) Naphthalene	15.41	128	463825	22.188	ug/l #	95

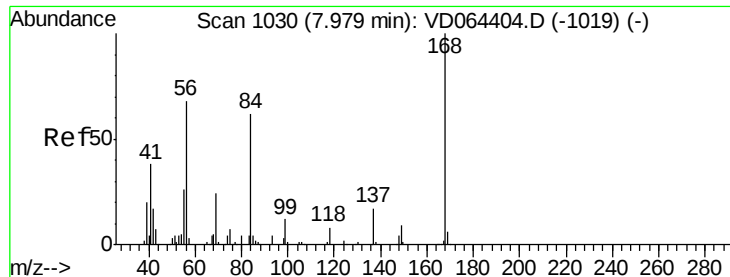
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
Data File : VD064441.D
Acq On : 05 Dec 2019 17:31
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Quant Time: Dec 06 08:32:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

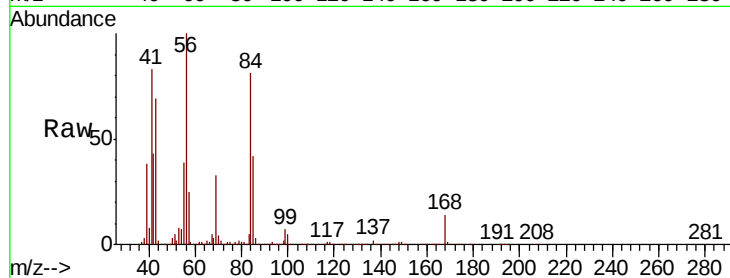
SOLID-COMPRES

Tot Ion:168 Resp: 774326

Ion Ratio Lower Upper

168 100

99 52.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

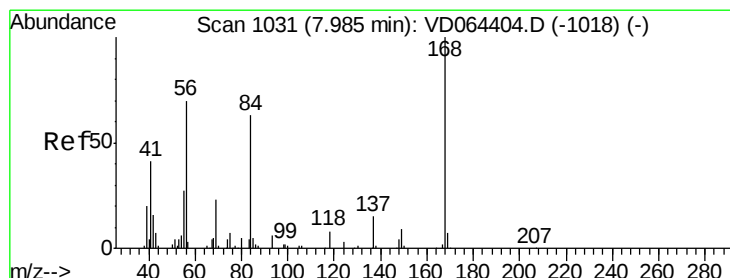
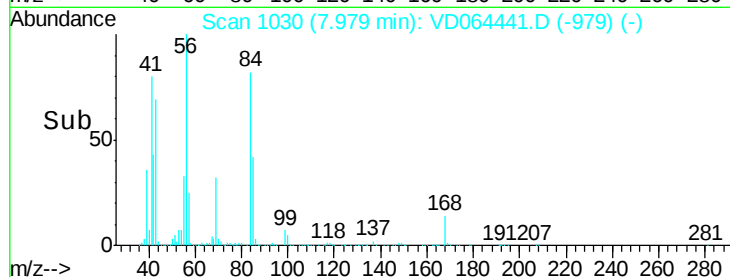
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 754.253 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

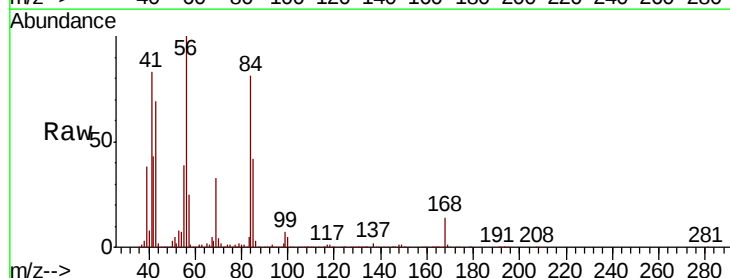
Tgt Ion: 56 Resp: 7785934

Ion Ratio Lower Upper

56 100

69 30.8 26.2 39.4

84 81.6 70.3 105.5



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

7.98

3000000

2500000

2000000

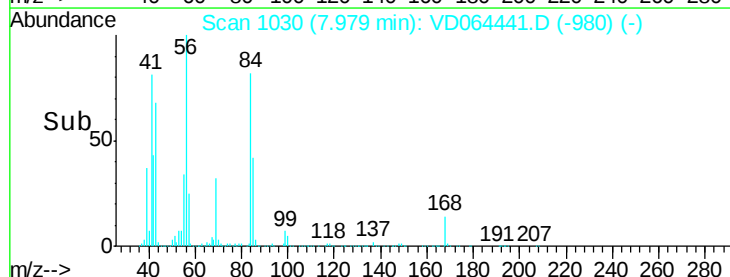
1500000

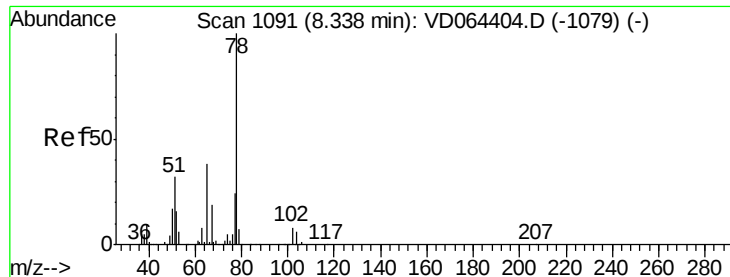
1000000

500000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.131 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

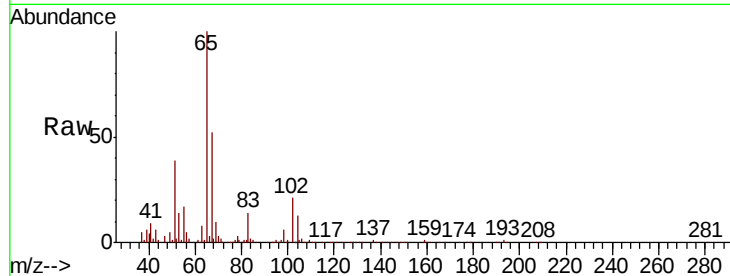
SOLID-COMPRESS

Tot Ion: 65 Resp: 316316

Ion Ratio Lower Upper

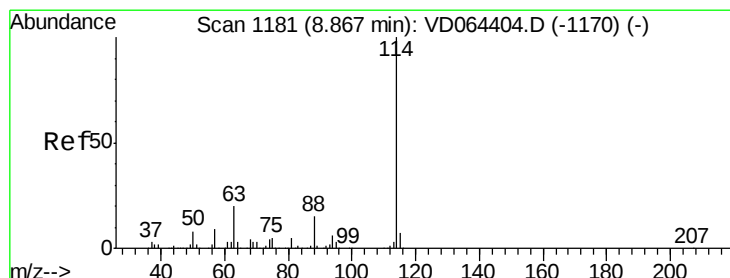
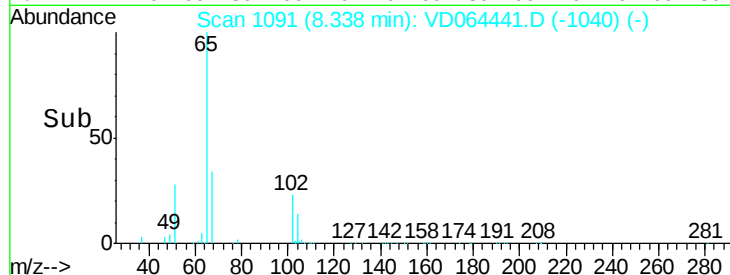
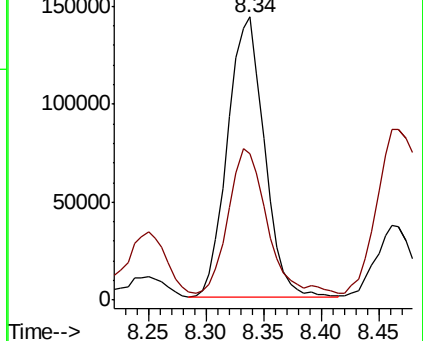
65 100

67 53.5 0.0 102.0



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: VD064441.D

Acq: 05 Dec 2019 17:31

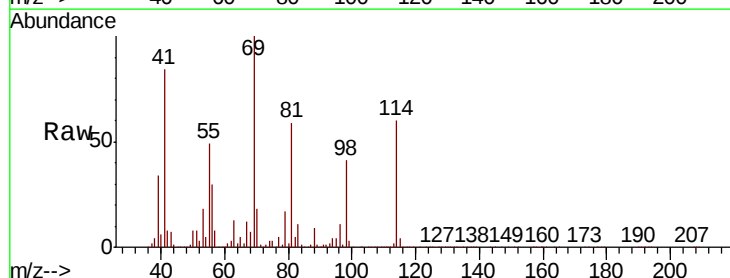
Tgt Ion: 114 Resp: 1224840

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

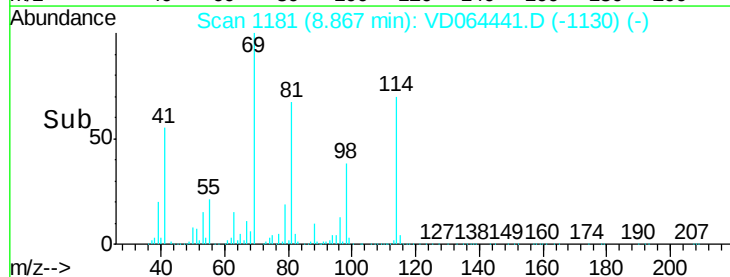
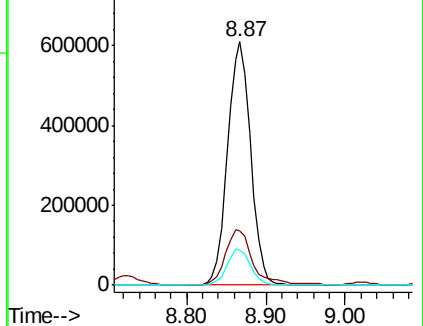
88 14.5 0.0 29.2

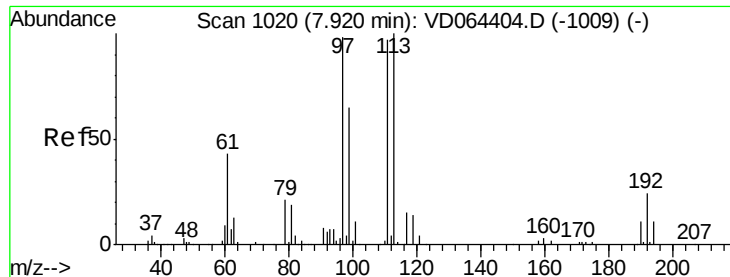


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 40.951 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRESS

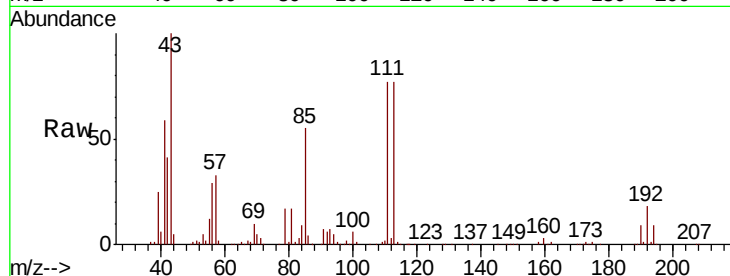
Tot Ion:113 Resp: 316027

Ion Ratio Lower Upper

113 100

111 103.0 79.4 119.2

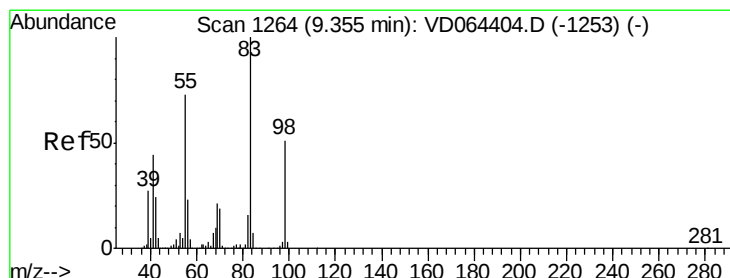
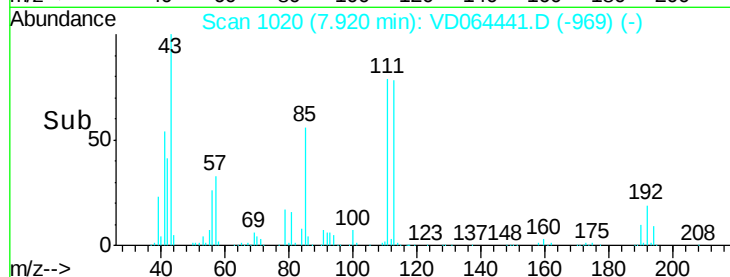
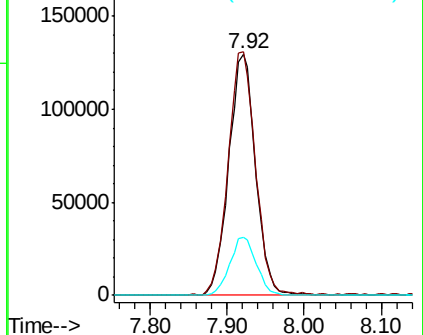
192 23.7 18.6 28.0



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



#39

Methylcyclohexane

Concen: 1407.694 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

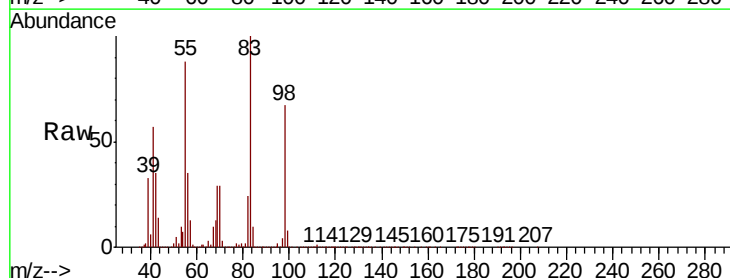
Tgt Ion: 83 Resp:20230031

Ion Ratio Lower Upper

83 100

55 87.8 58.6 87.8

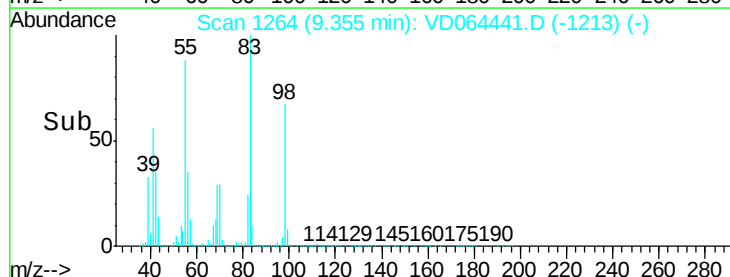
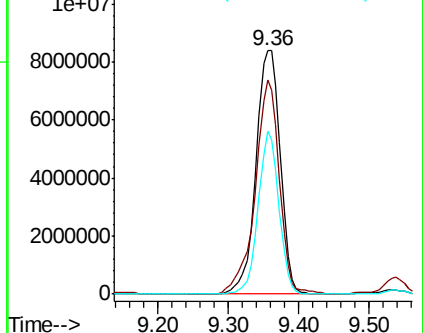
98 66.9 40.9 61.3#

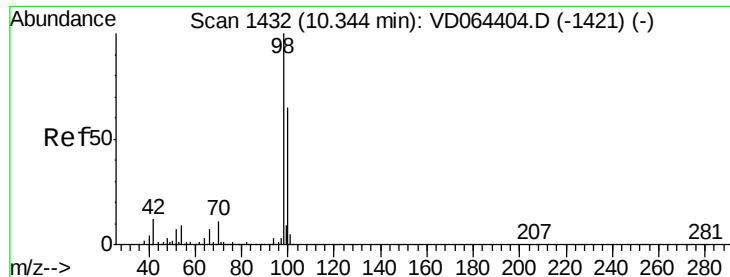


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#50

Toluene-d8

Concen: 73.683 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

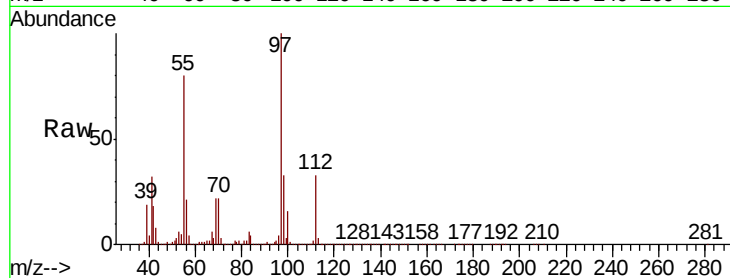
SOLID-COMPRESS

Tot Ion: 98 Resp: 2141926

Ion Ratio Lower Upper

98 100

100 46.0 52.6 79.0#



Abundance Ion 98.00 (97.70 to 98.70): VD064404.D (-1421) (-)

Ion 100.00 (99.70 to 100.70): VD064404.D (-1421) (-)

1200000

1000000

800000

600000

400000

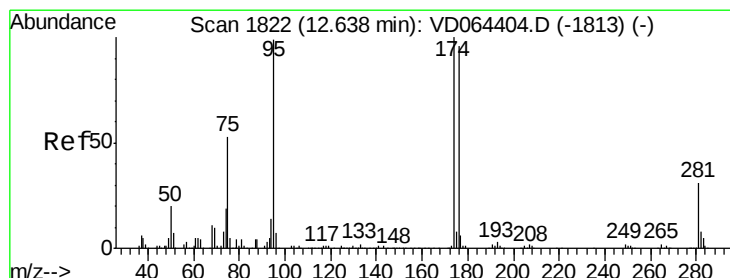
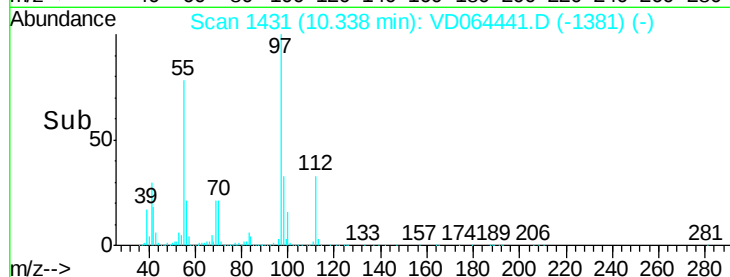
200000

0

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 65.399 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

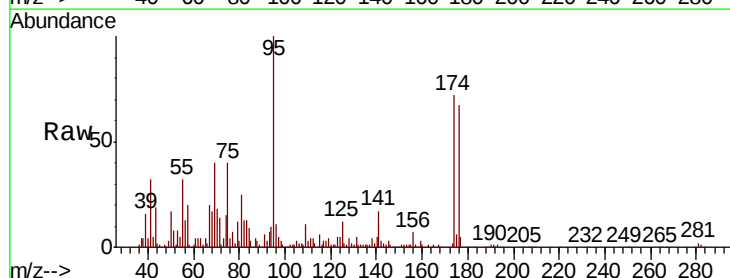
Tgt Ion: 95 Resp: 610966

Ion Ratio Lower Upper

95 100

174 81.8 0.0 197.2

176 71.9 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VD064404.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD064404.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD064404.D (-1813) (-)

500000

400000

300000

200000

100000

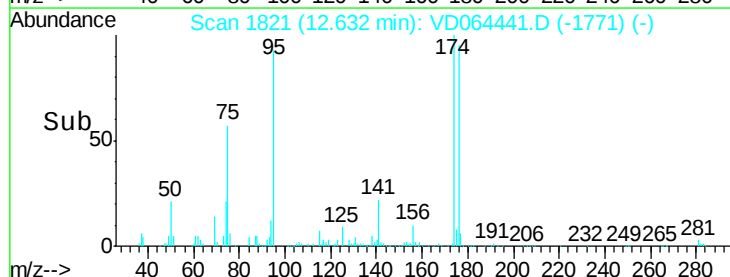
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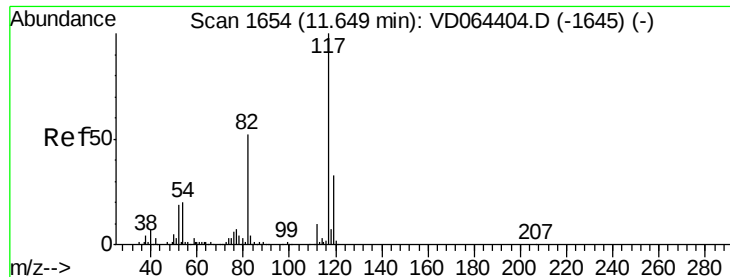
12.60

12.65

12.70

Time-->

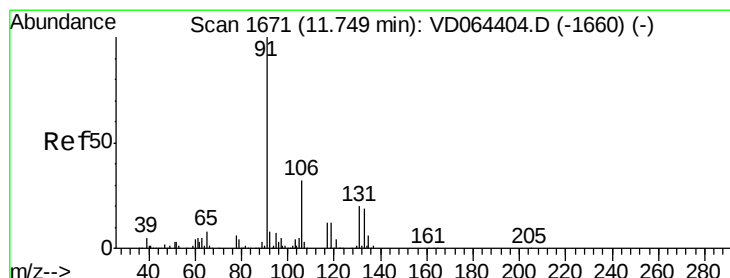
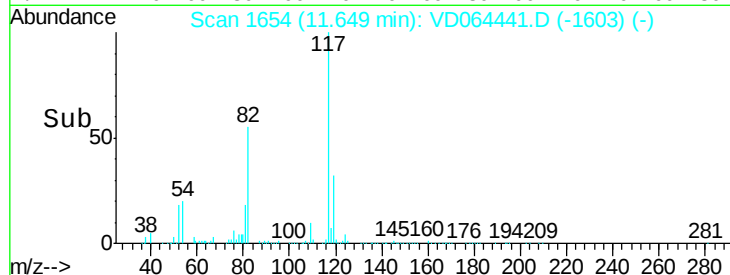
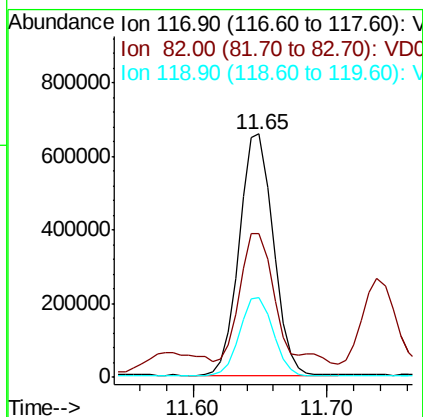
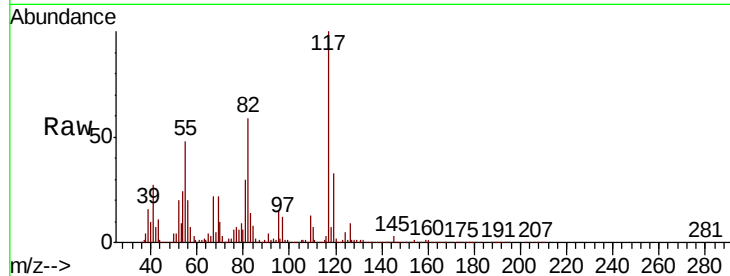




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

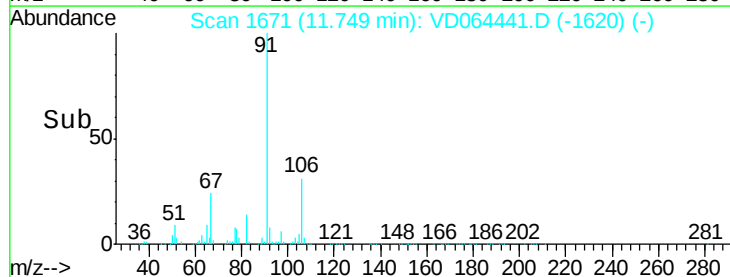
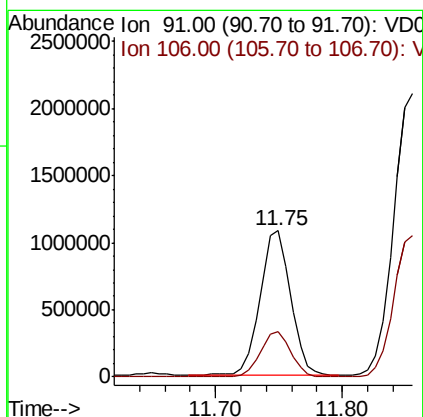
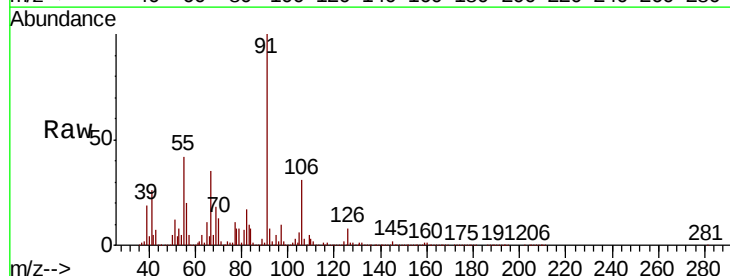
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

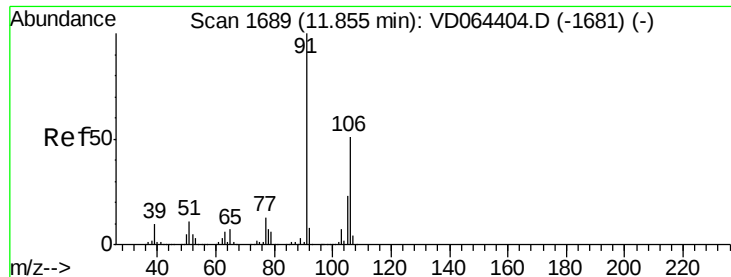
Tot Ion:117 Resp: 1157458
Ion Ratio Lower Upper
117 100
82 54.1 41.4 62.2
119 32.5 26.2 39.2



#67
Ethyl Benzene
Concen: 42.051 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 91 Resp: 1806195
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8

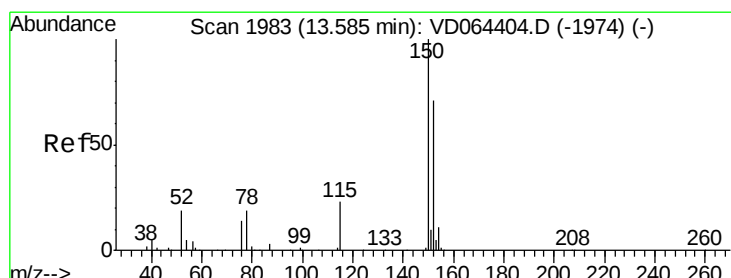
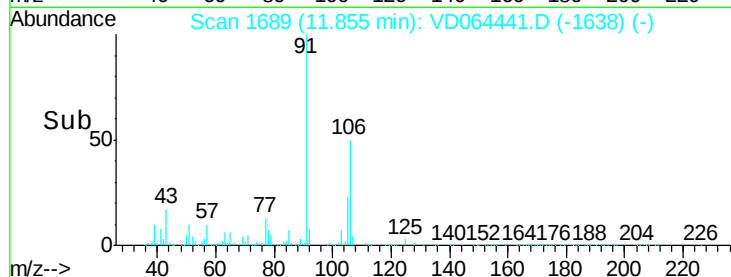
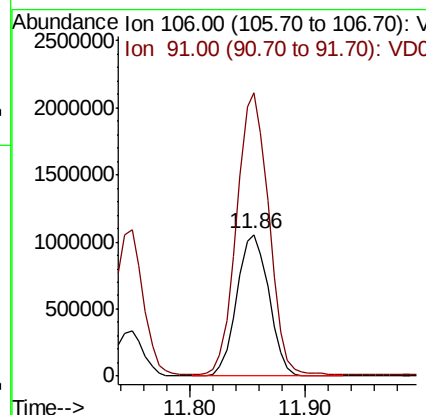
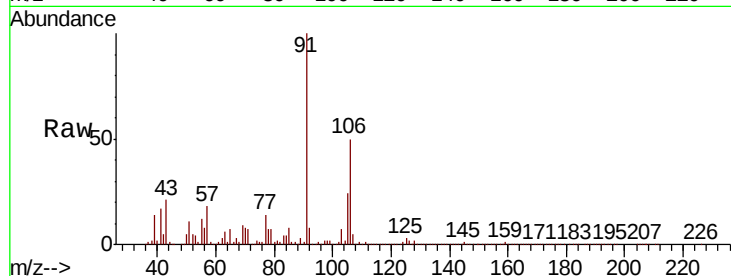




#68
m/p-Xvlenes
Concen: 123.633 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

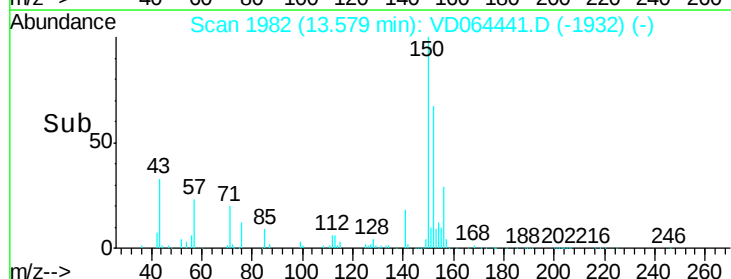
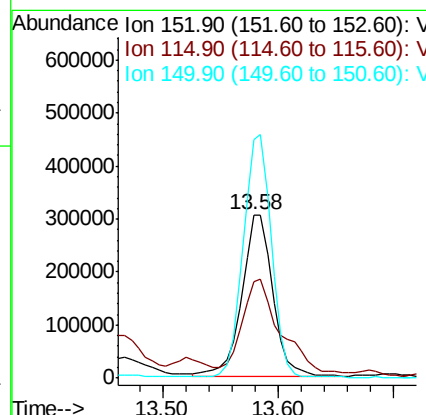
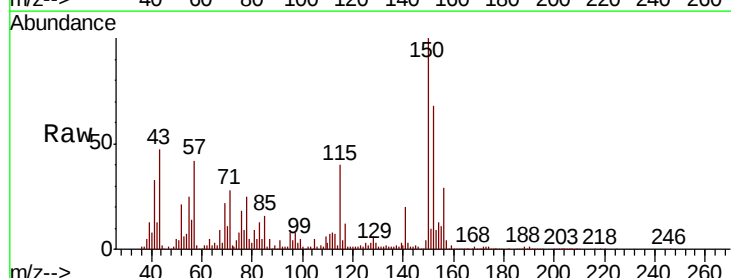
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

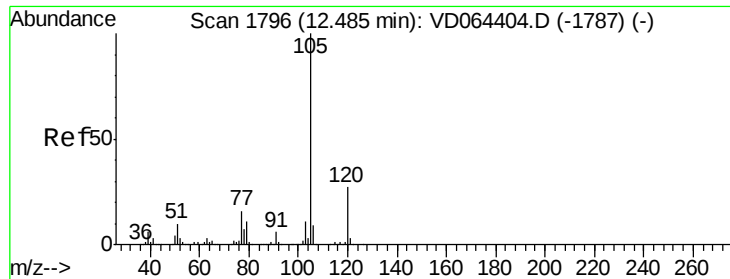
Tot Ion:106 Resp: 2024762
Ion Ratio Lower Upper
106 100
91 199.0 157.4 236.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion:152 Resp: 567745
Ion Ratio Lower Upper
152 100
115 69.0 26.7 80.1
150 136.5 0.0 347.2





#73

Isopropylbenzene

Concen: 32.924 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

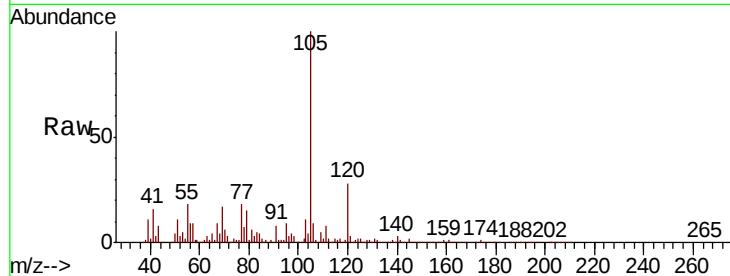
SOLID-COMPRESS

Tot Ion: 105 Resp: 1344364

Ion Ratio Lower Upper

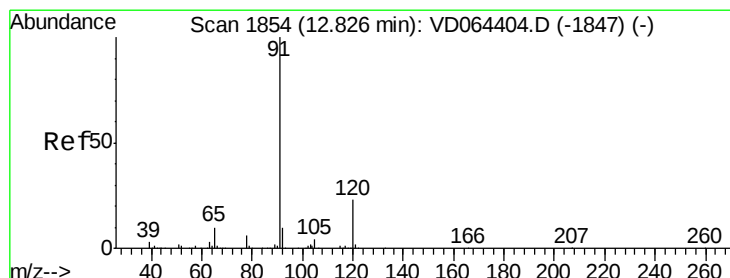
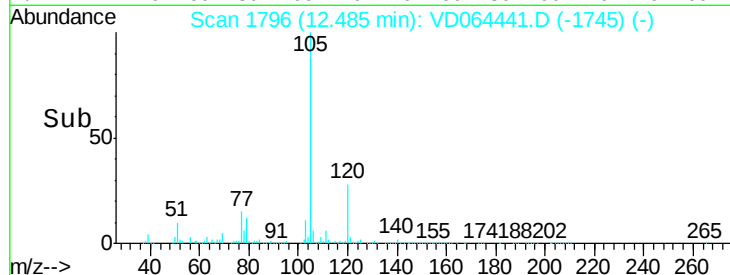
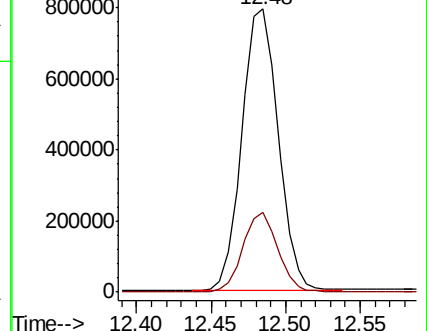
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 82.933 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064441.D

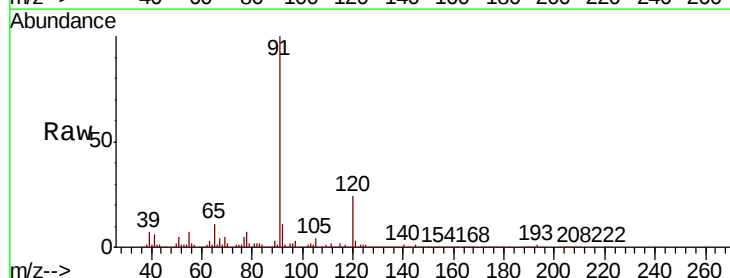
Acq: 05 Dec 2019 17:31

Tgt Ion: 91 Resp: 3907255

Ion Ratio Lower Upper

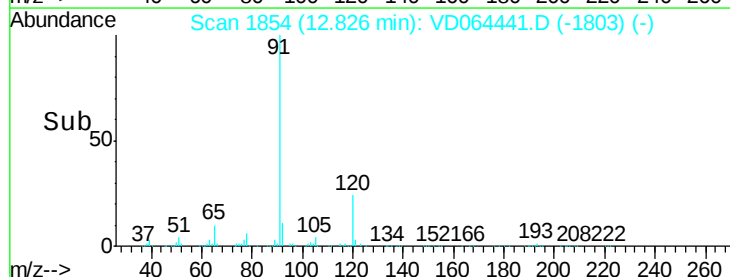
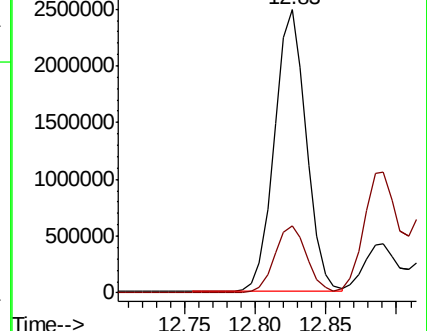
91 100

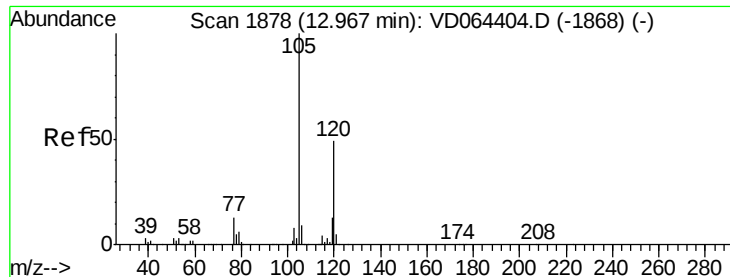
120 23.9 11.9 35.9



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: 102.263 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

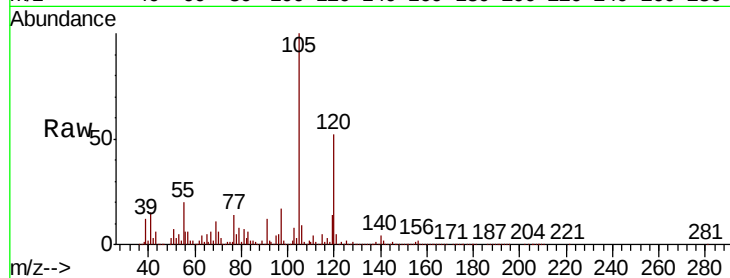
SOLID-COMPRES

Tot Ion:105 Resp: 3412356

Ion Ratio Lower Upper

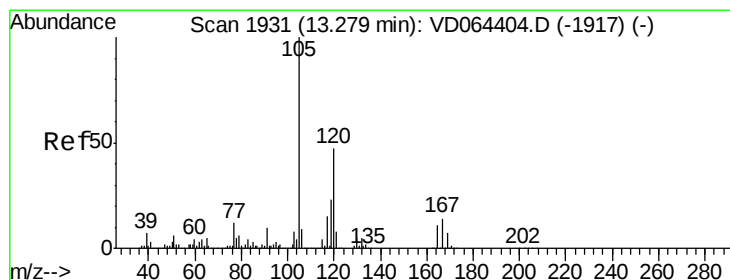
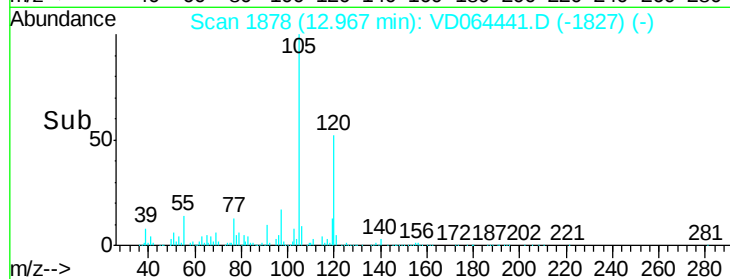
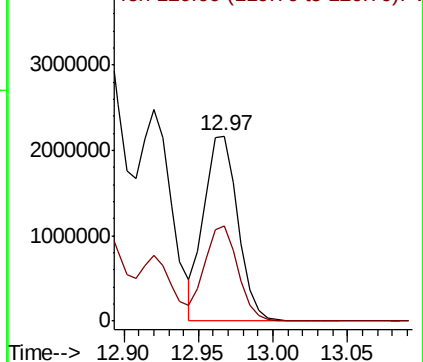
105 100

120 50.6 25.1 75.3



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: 273.230 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064441.D

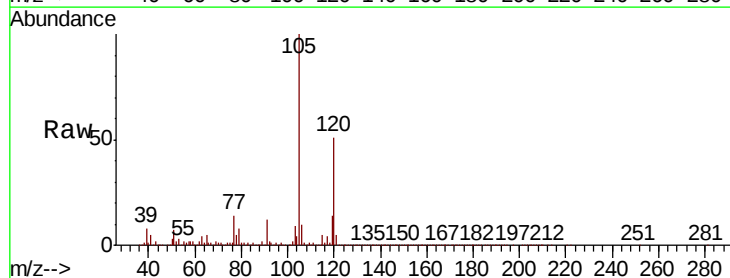
Acq: 05 Dec 2019 17:31

Tgt Ion:105 Resp: 9167657

Ion Ratio Lower Upper

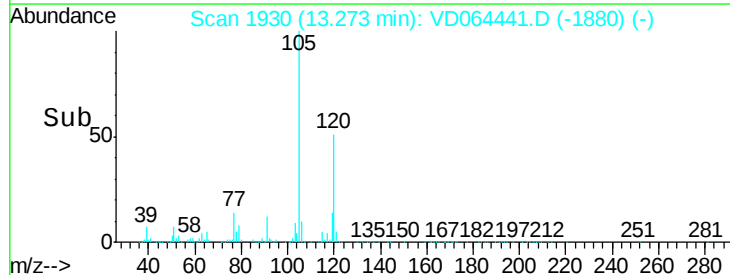
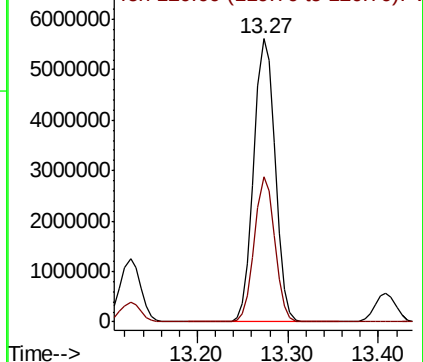
105 100

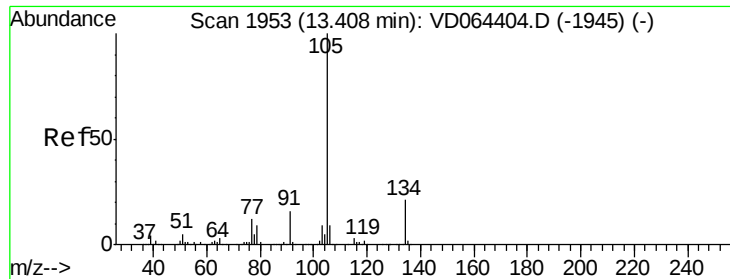
120 49.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.888 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

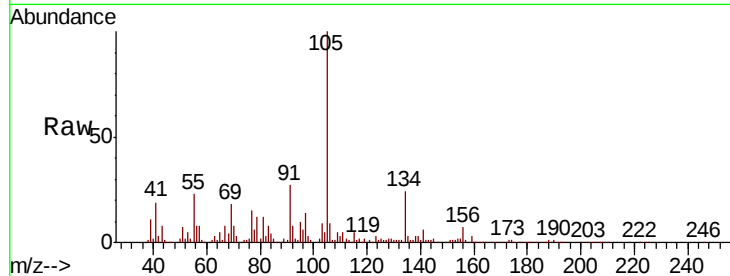
SOLID-COMPRESS

Tot Ion:105 Resp: 911299

Ion Ratio Lower Upper

105 100

134 38.6 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

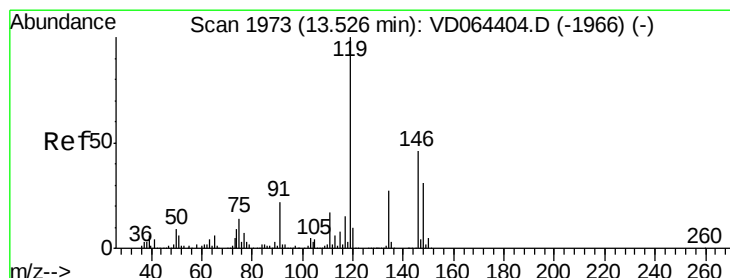
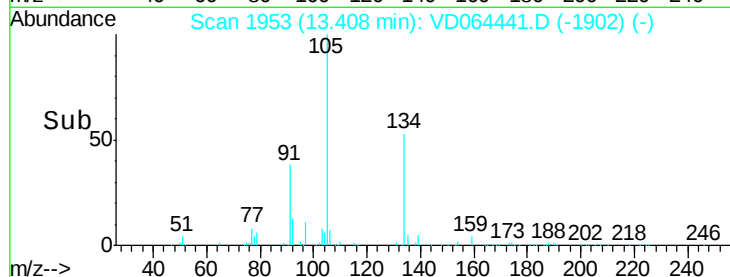
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 13.369 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

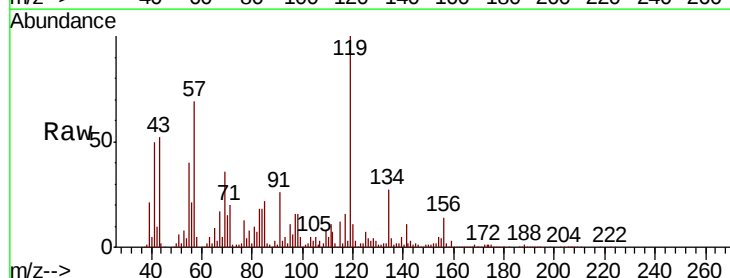
Tgt Ion:119 Resp: 502539

Ion Ratio Lower Upper

119 100

134 29.7 13.5 40.4

91 23.5 11.2 33.5



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

500000

400000

300000

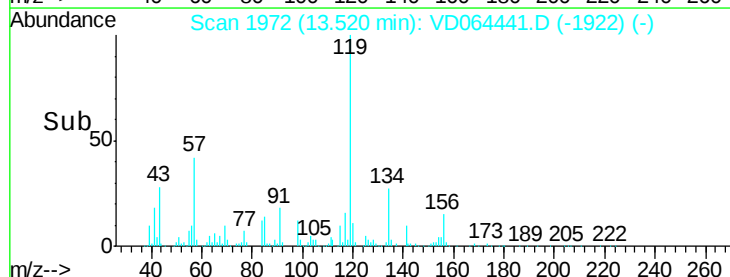
200000

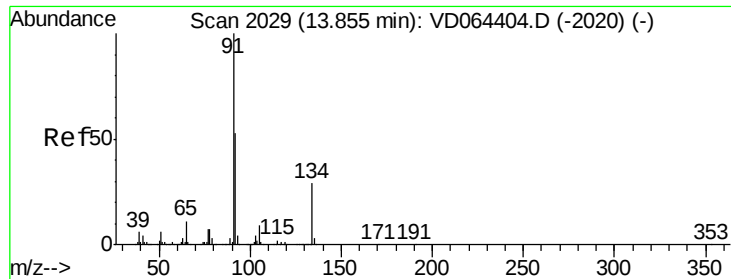
100000

0

13.50 13.55

Time-->

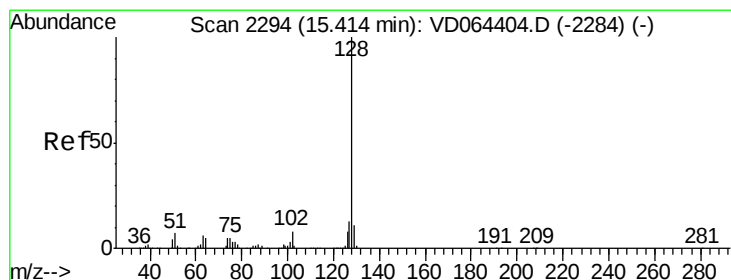
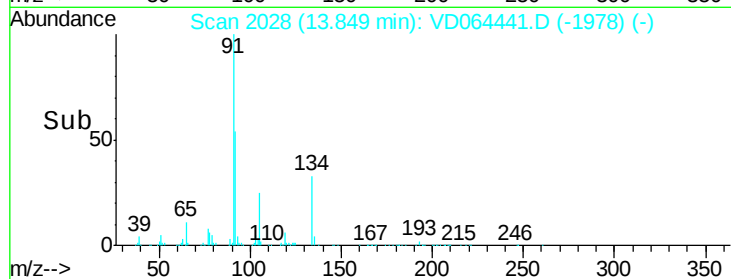
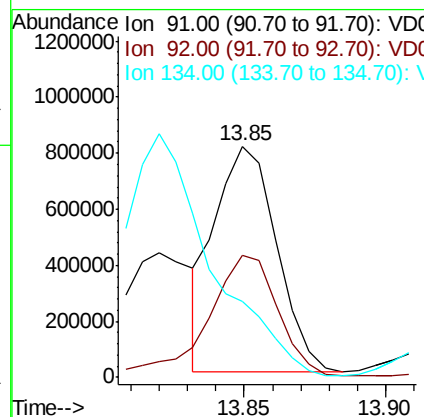
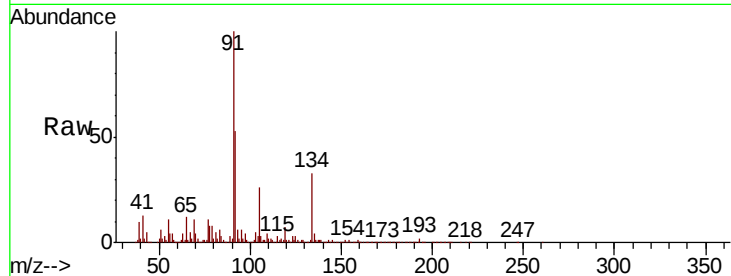




#89
n-Butylbenzene
Concen: 35.748 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

Tot Ion: 91 Resp: 1220293
Ion Ratio Lower Upper
91 100
92 60.8 26.5 79.4
134 0.0 13.9 41.7#



#95
Naphthalene
Concen: 22.188 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 128 Resp: 463825
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 13.8 8.8 13.2#

