

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062469.D
 Acq On : 20 May 2019 21:19
 Operator : FY/SY
 Sample : K2871-01
 Misc : 5.86g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04(26.5)

Quant Time: May 21 04:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

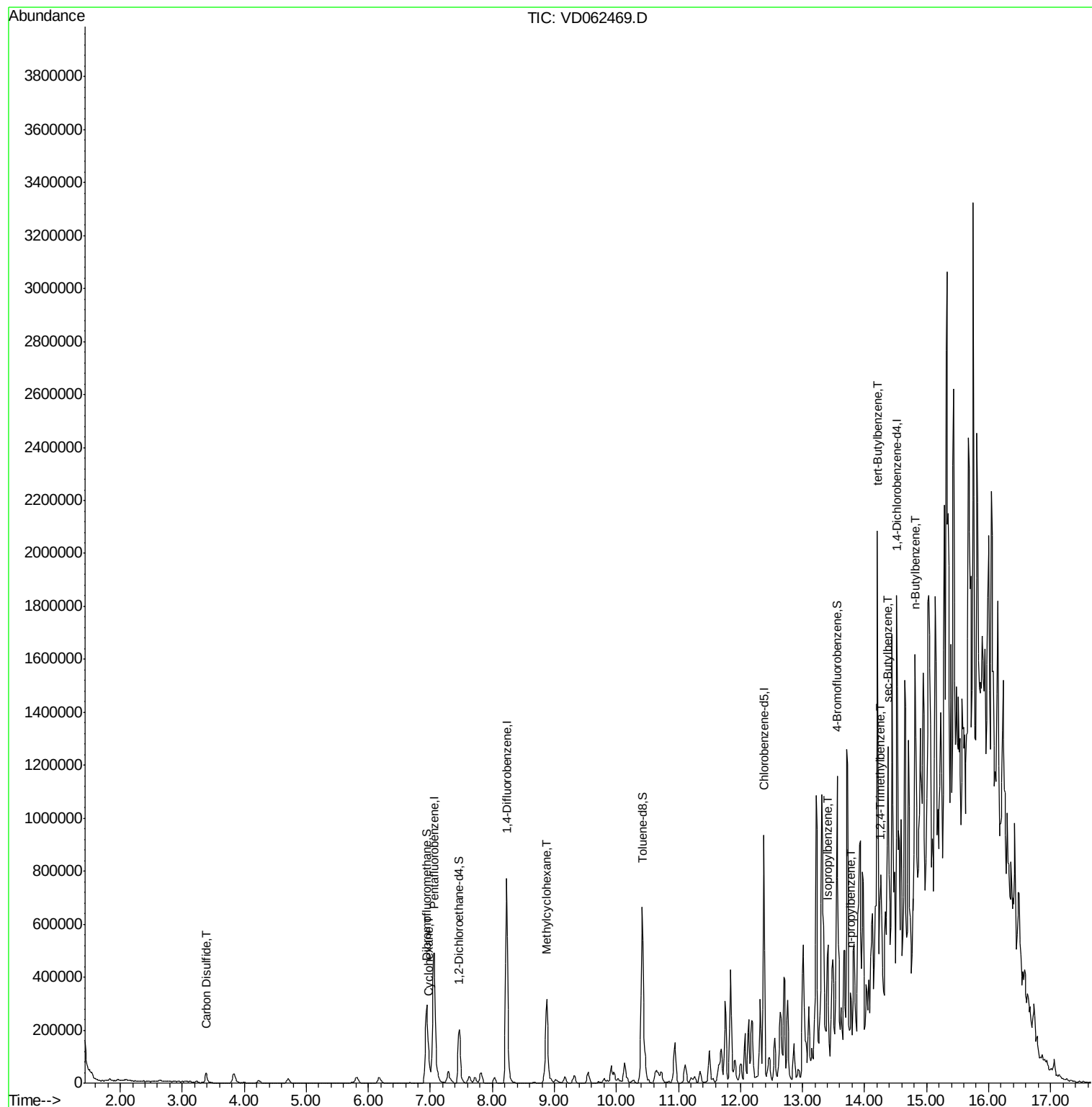
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	527237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	838091	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	510828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	143081	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	232363	41.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.34%	
35) Dibromofluoromethane	6.95	113	245690	32.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.00%	
50) Toluene-d8	10.42	98	460962	27.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.72%	
62) 4-Bromofluorobenzene	13.56	95	141836	19.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.20%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	3.38	76	69454	5.873	ug/l	98
31) Cyclohexane	6.98	56	34751	6.521	ug/l	99
39) Methylcyclohexane	8.88	83	165168	24.992	ug/l	96
73) Isopropylbenzene	13.41	105	95449	10.583	ug/l	91
78) n-propylbenzene	13.78	91	125855	12.047	ug/l	96
83) tert-Butylbenzene	14.20	119	25353	2.927	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	11460	1.432	ug/l	81
85) sec-Butylbenzene	14.38	105	142395	15.765	ug/l	100
89) n-Butylbenzene	14.81	91	144973	18.353	ug/l	91

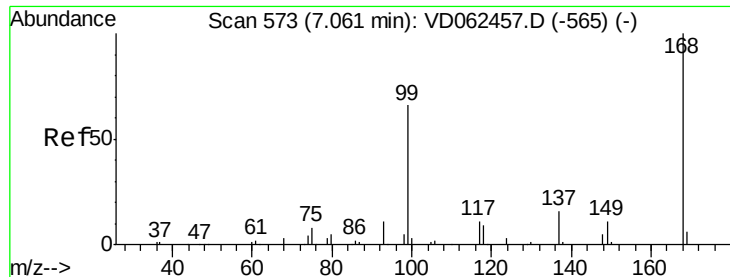
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052019\
Data File : VD062469.D
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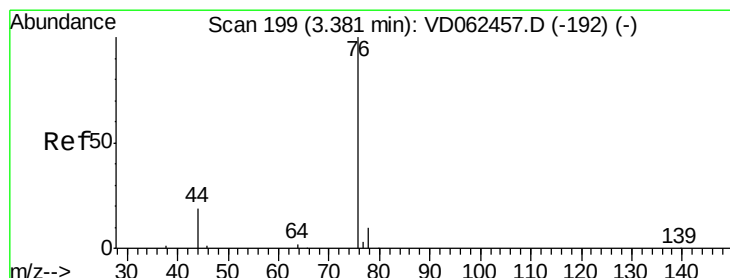
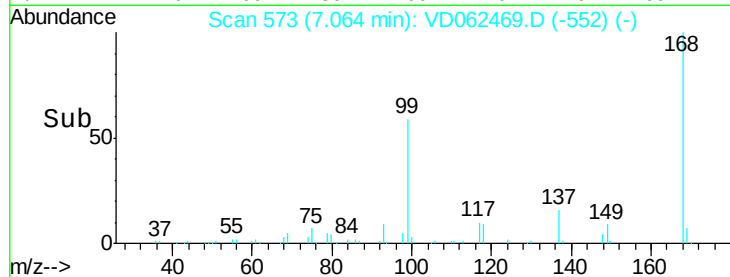
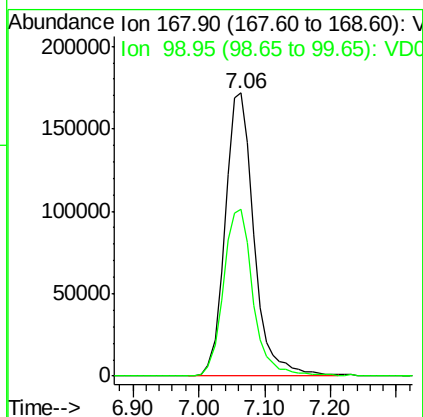
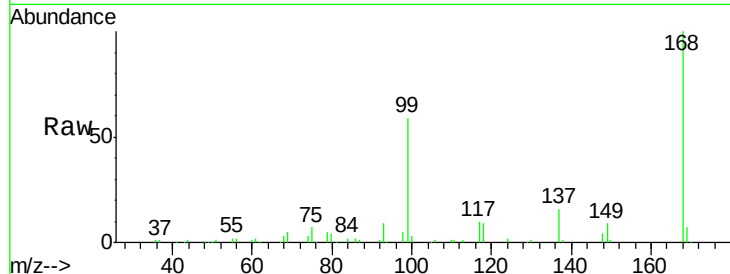




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.00 min
Lab File: VD062469.D
Acq: 20 May 2019 21:19

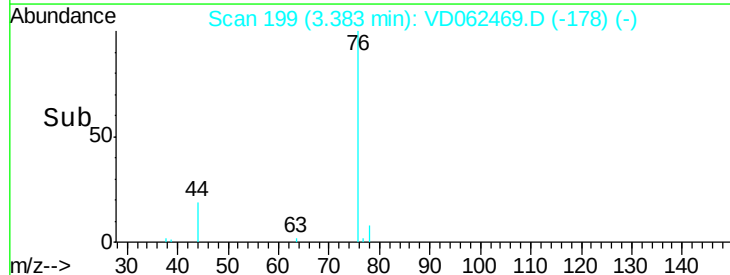
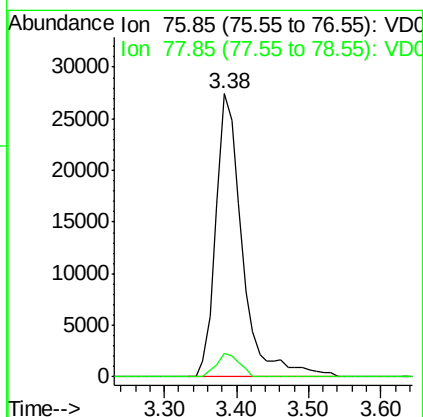
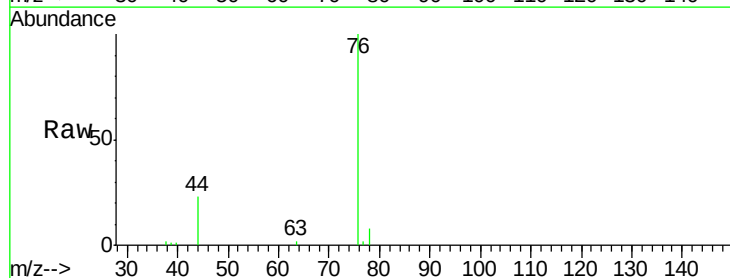
Instrument :
MSVOA_D
ClientSampleId :
SB-04-(26.5)

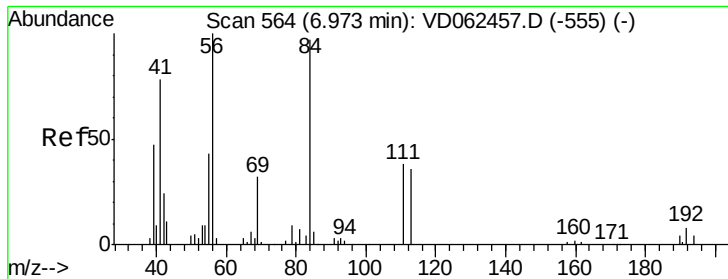
Tot Ion:168 Resp: 527237
Ion Ratio Lower Upper
168 100
99 58.8 46.5 69.7



#17
Carbon Disulfide
Concen: 5.873 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD062469.D
Acq: 20 May 2019 21:19

Tgt Ion: 76 Resp: 69454
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8





#31

Cyclohexane

Concen: 6.521 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(26.5)

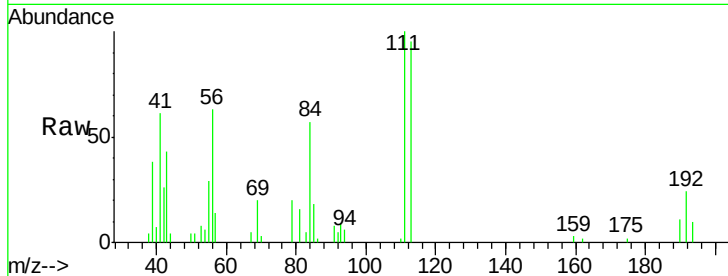
Tot Ion: 56 Resp: 34751

Ion Ratio Lower Upper

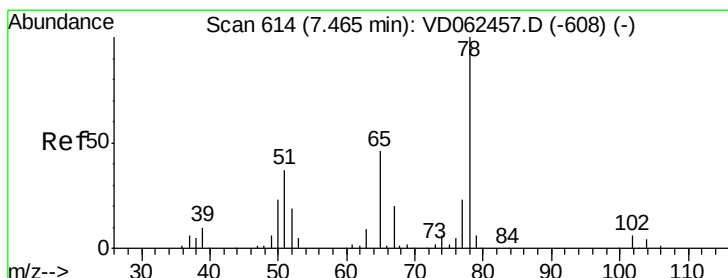
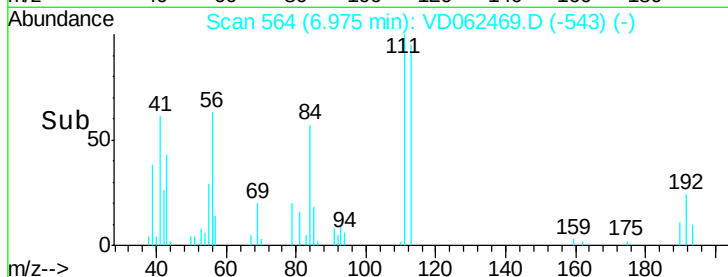
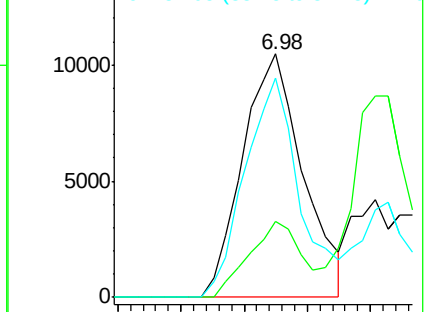
56 100

69 31.1 25.8 38.6

84 89.9 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 41.172 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062469.D

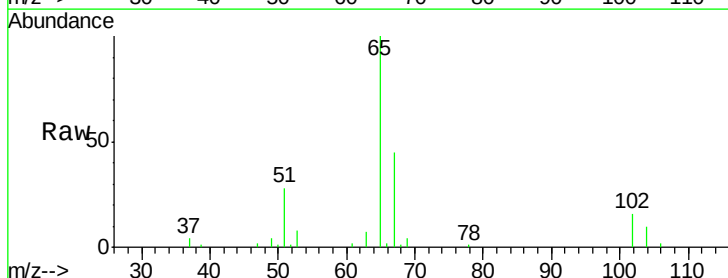
Acq: 20 May 2019 21:19

Tgt Ion: 65 Resp: 232363

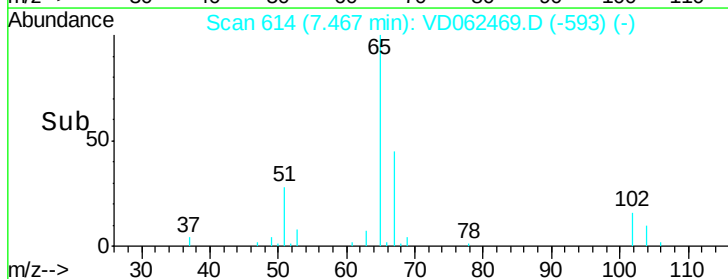
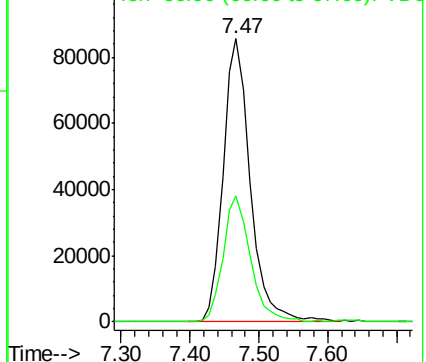
Ion Ratio Lower Upper

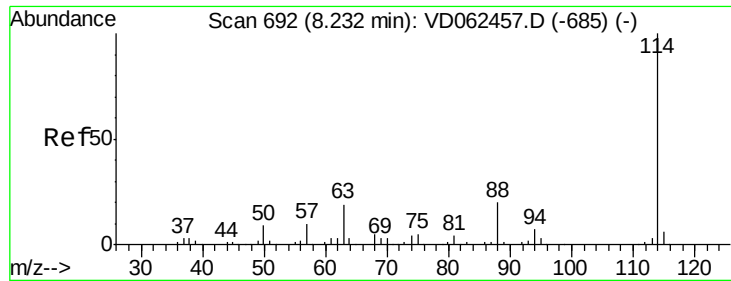
65 100

67 44.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(26.5)

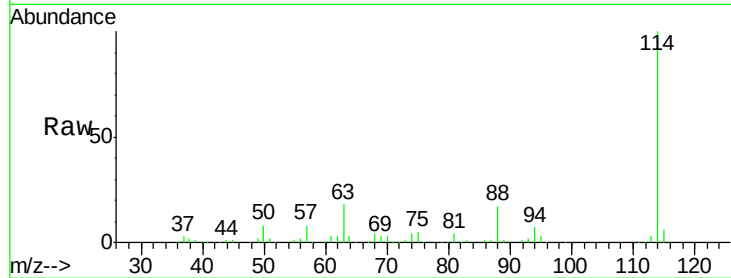
Tot Ion:114 Resp: 838091

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

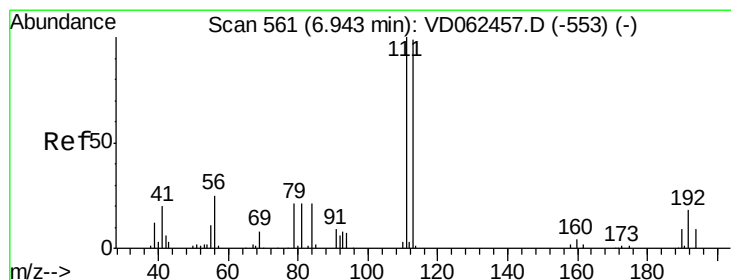
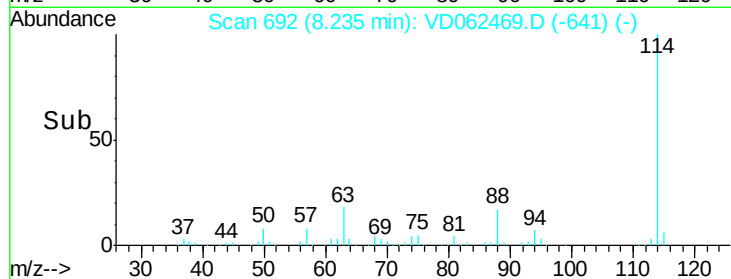
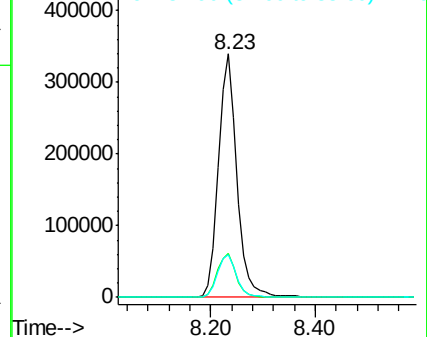
88 17.4 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 32.496 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

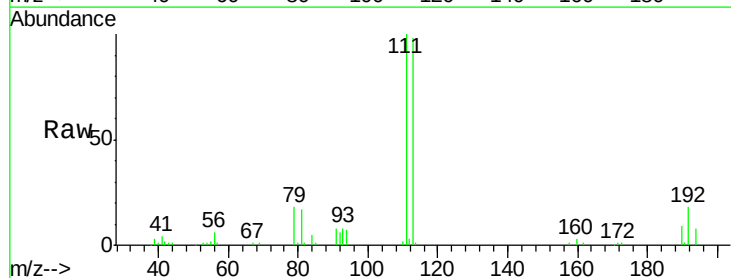
Tgt Ion:113 Resp: 245690

Ion Ratio Lower Upper

113 100

111 101.7 78.5 117.7

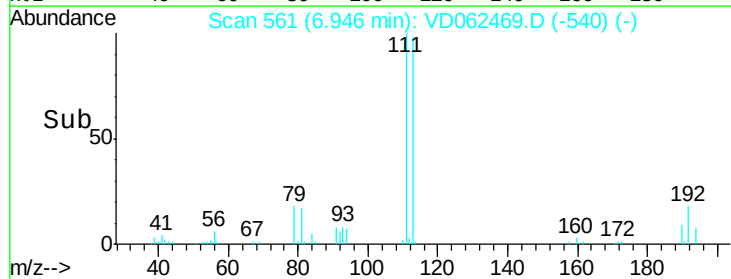
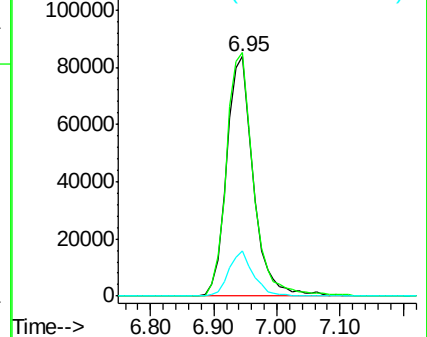
192 18.8 13.0 19.4

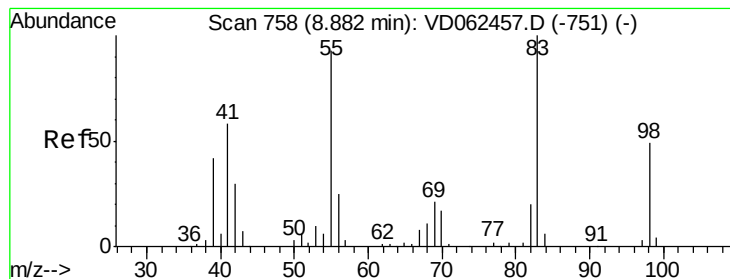


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#39

Methylvlcyclohexane

Concen: 24.992 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(26.5)

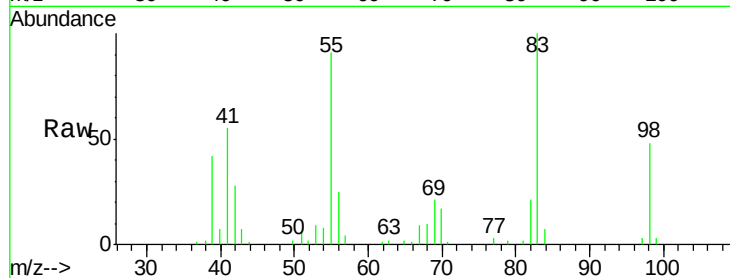
Tot Ion: 83 Resp: 165168

Ion Ratio Lower Upper

83 100

55 90.8 68.2 102.4

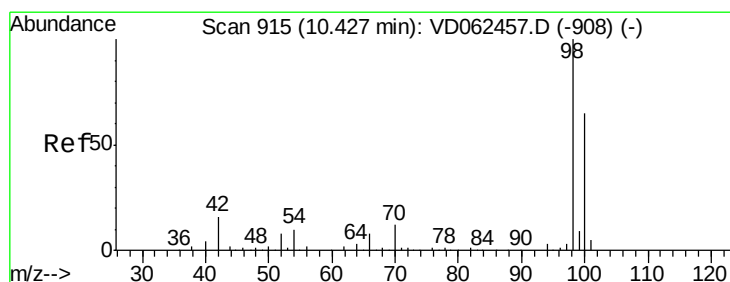
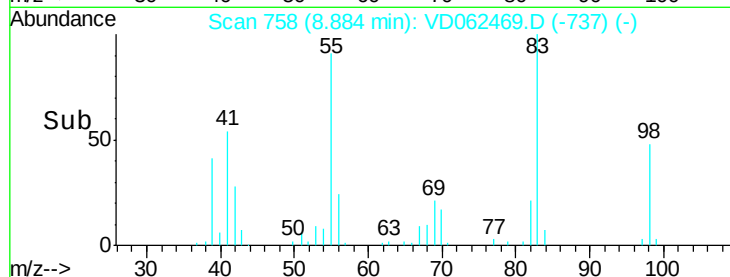
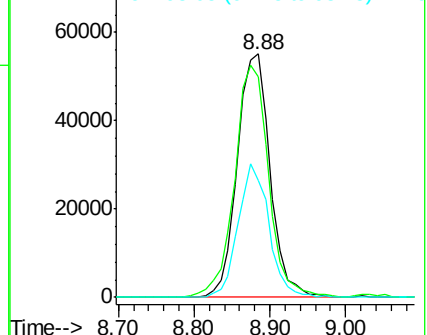
98 48.2 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#50

Toluene-d8

Concen: 27.860 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD062469.D

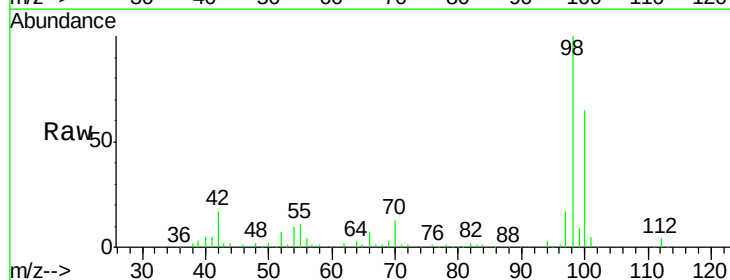
Acq: 20 May 2019 21:19

Tgt Ion: 98 Resp: 460962

Ion Ratio Lower Upper

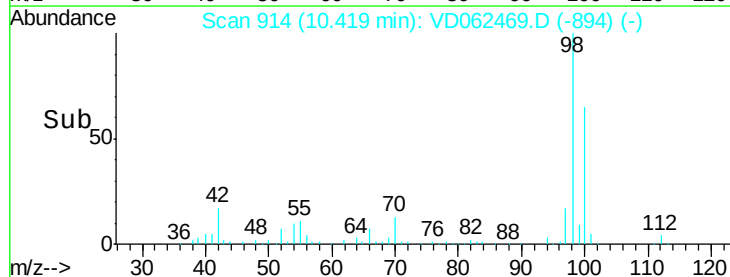
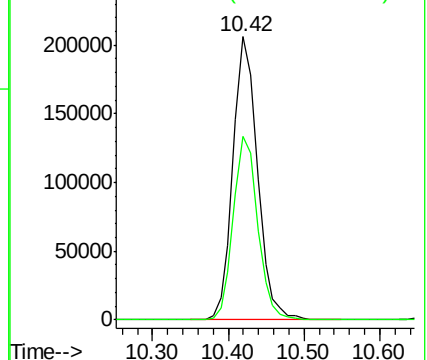
98 100

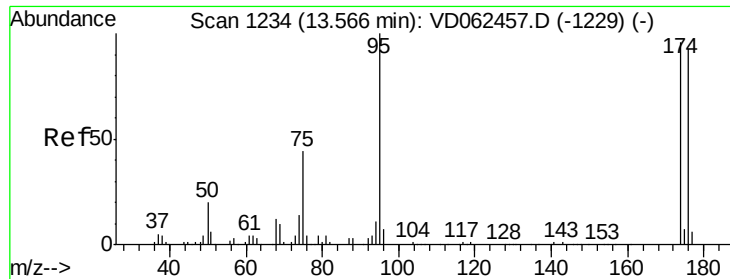
100 64.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 19.597 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(26.5)

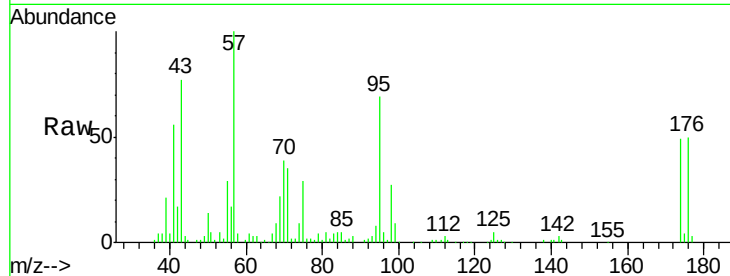
Tot Ion: 95 Resp: 141836

Ion Ratio Lower Upper

95 100

174 71.8 0.0 181.8

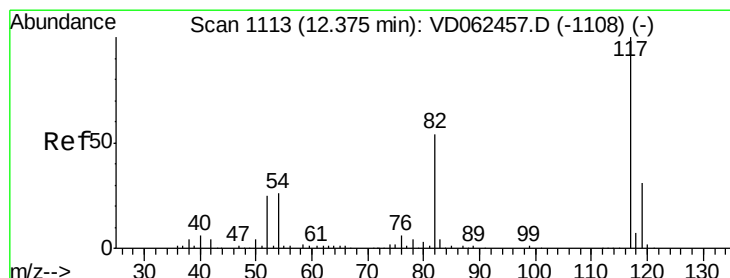
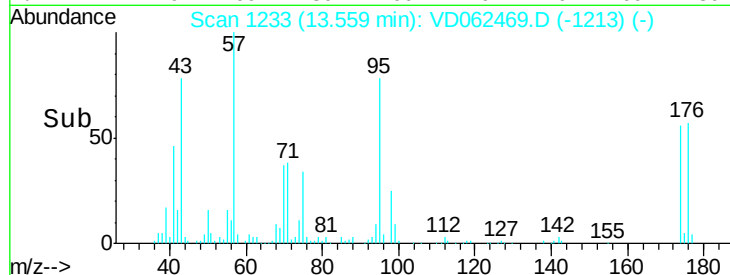
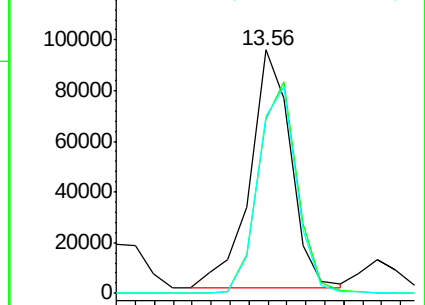
176 72.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

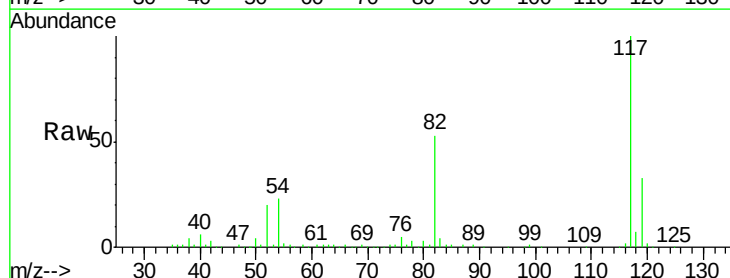
Tgt Ion: 117 Resp: 510828

Ion Ratio Lower Upper

117 100

82 52.8 36.2 54.2

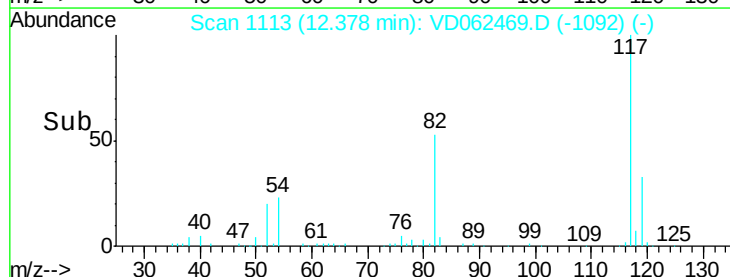
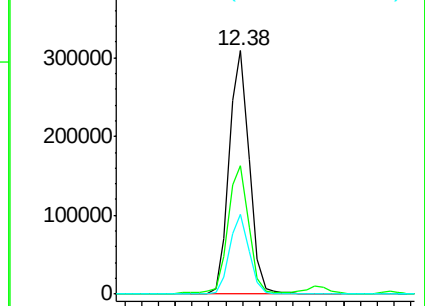
119 32.8 26.2 39.4

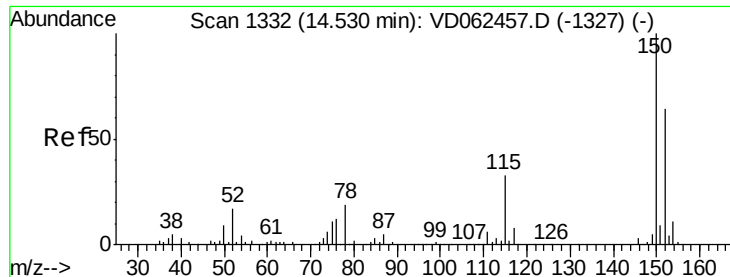


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

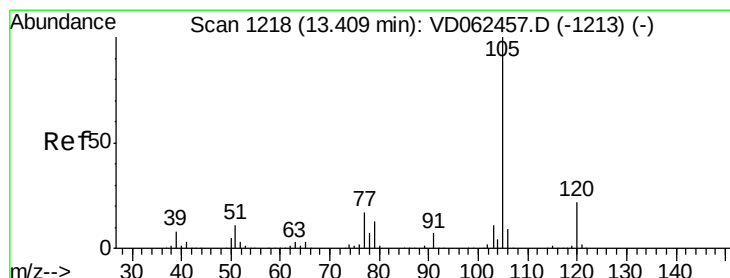
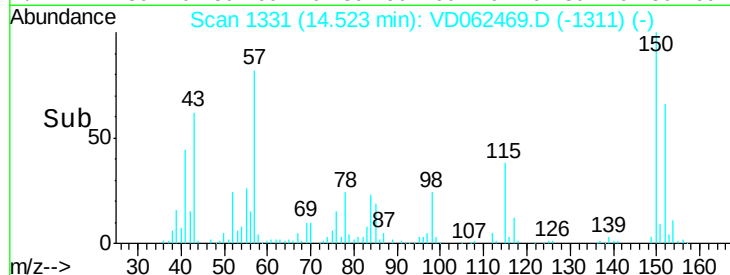
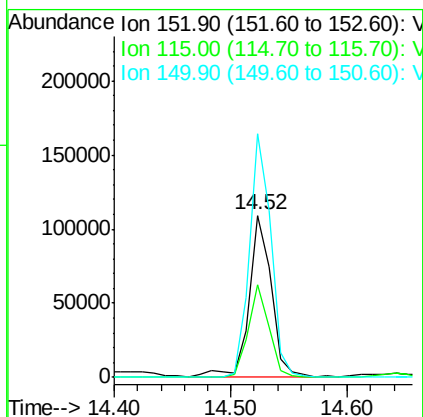
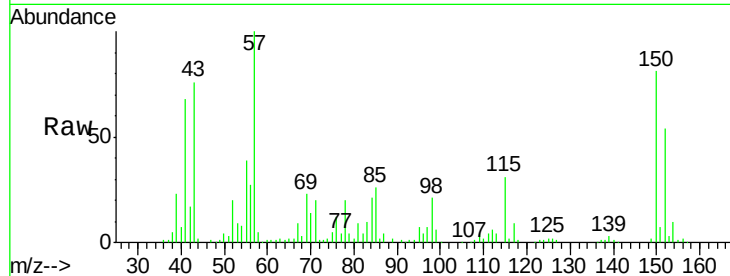




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062469.D
 Acq: 20 May 2019 21:19

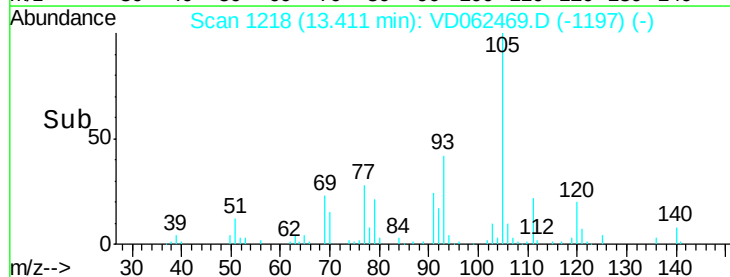
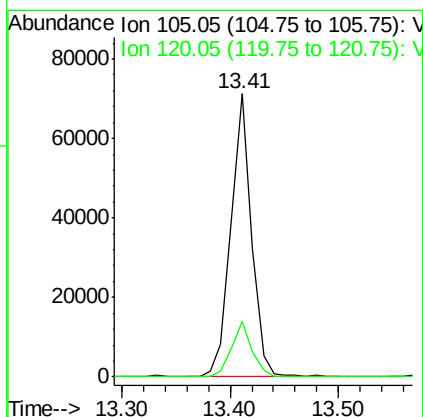
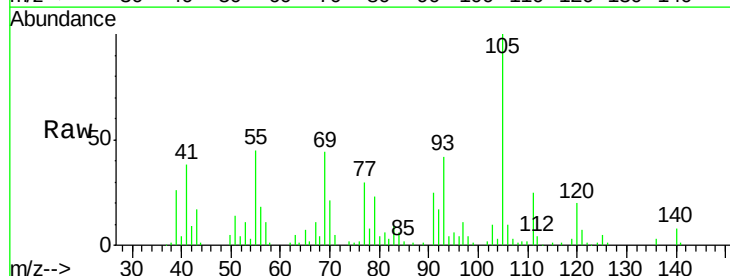
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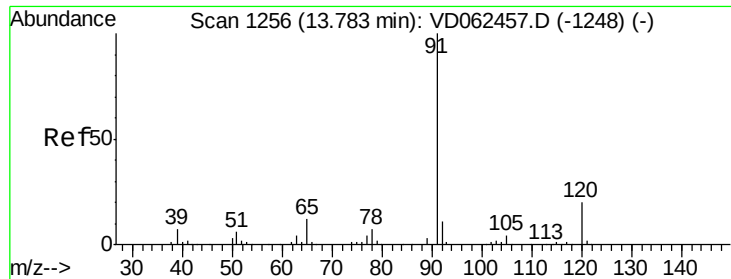
Tot Ion:152 Resp: 143081
 Ion Ratio Lower Upper
 152 100
 115 57.4 30.9 92.7
 150 150.3 0.0 314.8



#73
 Isopropylbenzene
 Concen: 10.583 ug/l
 RT: 13.41 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD062469.D
 Acq: 20 May 2019 21:19

Tgt Ion:105 Resp: 95449
 Ion Ratio Lower Upper
 105 100
 120 19.6 12.0 36.1





#78

n-propylbenzene

Concen: 12.047 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

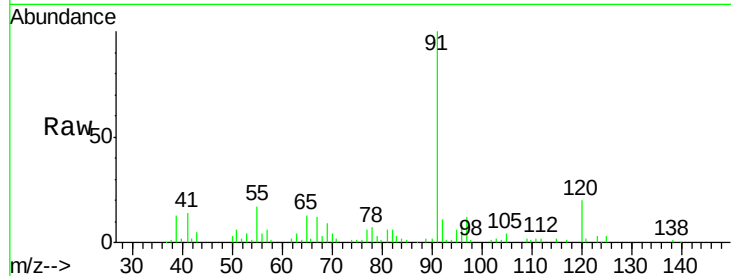
SB-04-(26.5)

Tot Ion: 91 Resp: 125855

Ion Ratio Lower Upper

91 100

120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VD062457.D (-1248) (-)

Ion 120.05 (119.75 to 120.75): VD062457.D (-1248) (-)

100000

80000

60000

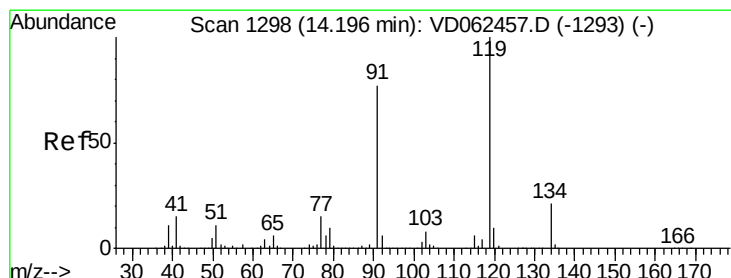
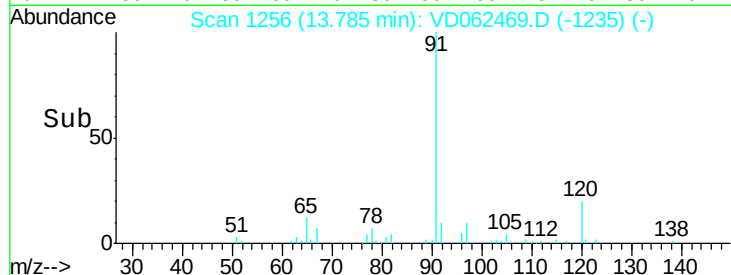
40000

20000

0

13.75 13.80

Time-->



#83

tert-Butylbenzene

Concen: 2.927 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

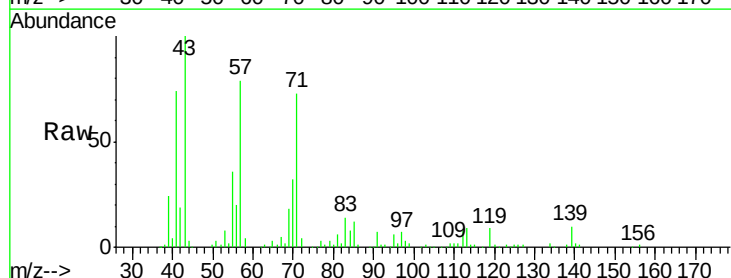
Tgt Ion: 119 Resp: 25353

Ion Ratio Lower Upper

119 100

91 71.1 34.2 102.6

134 26.6 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): VD062457.D (-1293) (-)

Ion 91.00 (90.70 to 91.70): VD062457.D (-1293) (-)

Ion 134.00 (133.70 to 134.70): VD062457.D (-1293) (-)

25000

20000

15000

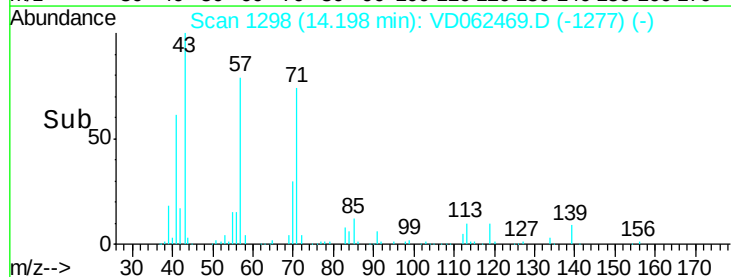
10000

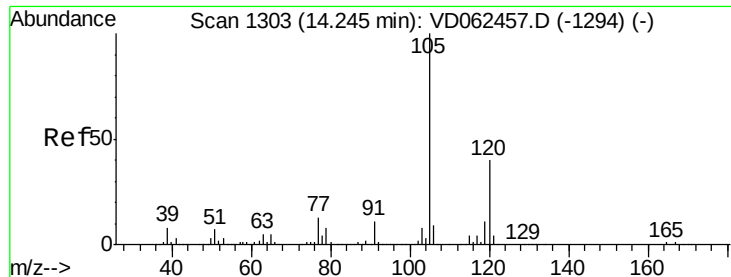
5000

0

14.15 14.20 14.25

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1.432 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

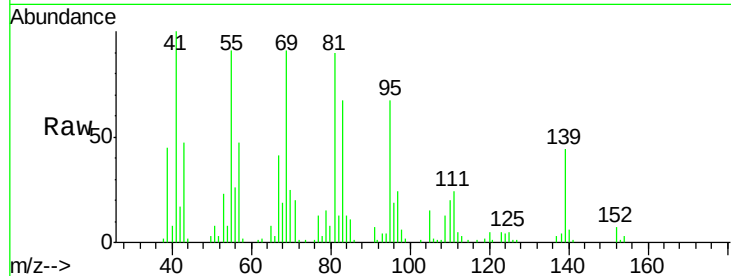
SB-04-(26.5)

Tot Ion:105 Resp: 11460

Ion Ratio Lower Upper

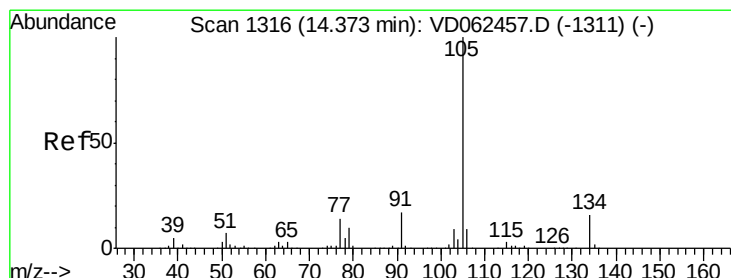
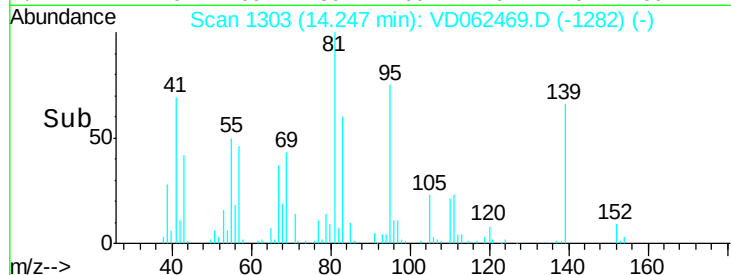
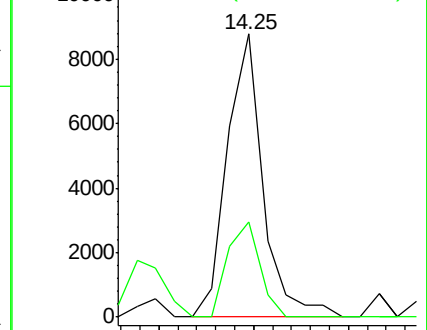
105 100

120 33.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 15.765 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD062469.D

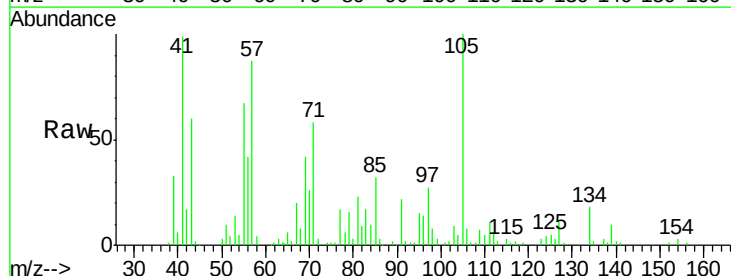
Acq: 20 May 2019 21:19

Tgt Ion:105 Resp: 142395

Ion Ratio Lower Upper

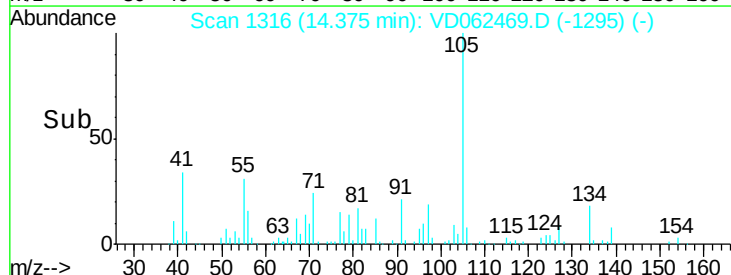
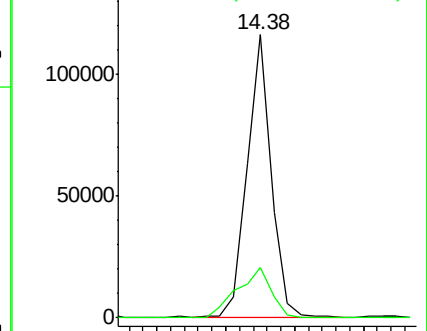
105 100

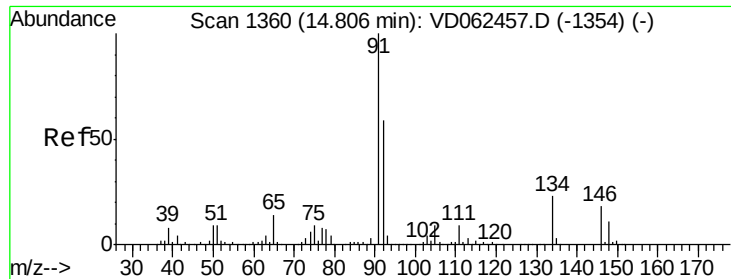
134 17.9 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V





#89

n-Butylbenzene

Concen: 18.353 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062469.D

Acq: 20 May 2019 21:19

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(26.5)

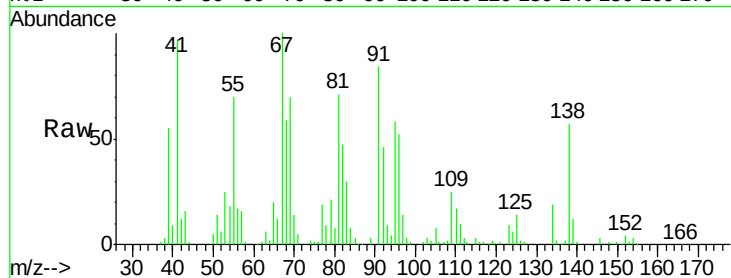
Tot Ion: 91 Resp: 144973

Ion Ratio Lower Upper

91 100

92 54.5 30.3 91.0

134 23.2 14.5 43.6



Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

