

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061155.D
 Acq On : 18 Mar 2019 19:46
 Operator : VA/AP
 Sample : K1697-09
 Misc : 7.34g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031519-A

Quant Time: Mar 19 04:31:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

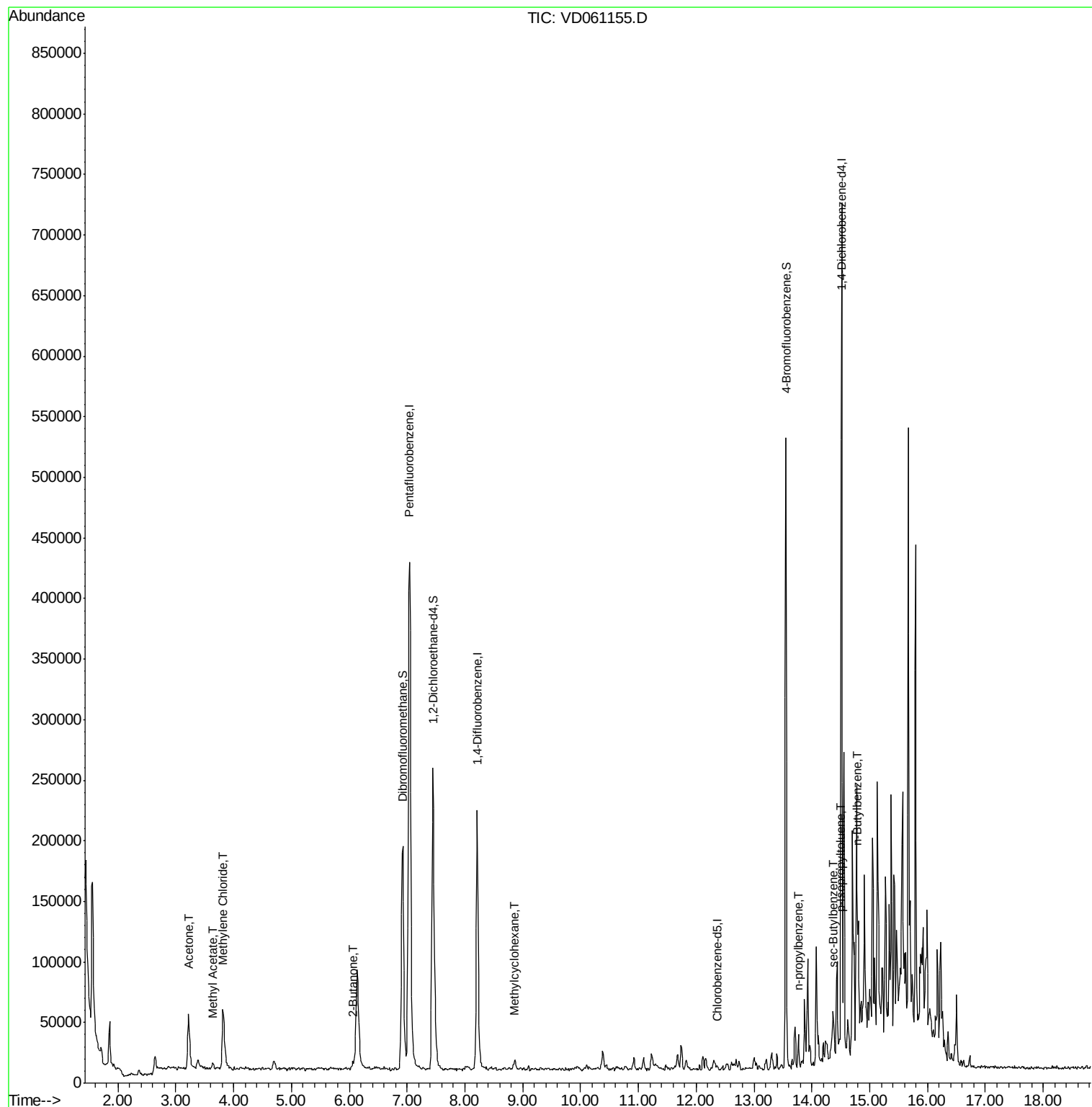
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	458904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	258753	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	2788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	163823	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	238452	62.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.86%	
35) Dibromofluoromethane	6.92	113	179150	93.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	186.58%	
50) Toluene-d8	10.39	98	2577	0.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	1.06%	
62) 4-Bromofluorobenzene	13.55	95	160425	85.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	171.48%	
Target Compounds						
16) Acetone	3.22	43	87553	80.153	ug/l	98
18) Methyl Acetate	3.65	43	7798	3.628	ug/l	97
20) Methylene Chloride	3.81	84	35849	2.795	ug/l	98
25) 2-Butanone	6.07	43	13347	10.768	ug/l	93
39) Methylcyclohexane	8.85	83	4721	2.041	ug/l #	84
78) n-propylbenzene	13.77	91	20884	1.511	ug/l	100
85) sec-Butylbenzene	14.36	105	15125	1.263	ug/l	96
86) p-Isopropyltoluene	14.49	119	10021	1.024	ug/l	98
89) n-Butylbenzene	14.79	91	36716	3.906	ug/l #	90

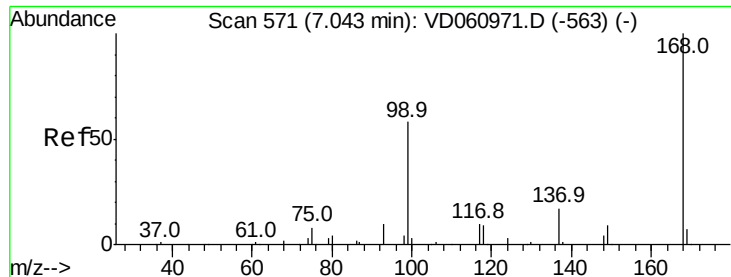
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061155.D

Acq: 18 Mar 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

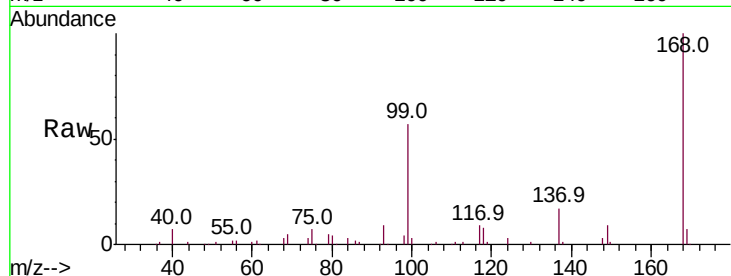
SU-01-031519-A

Tot Ion:168 Resp: 458904

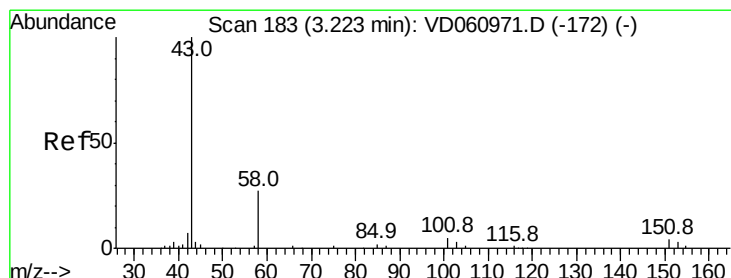
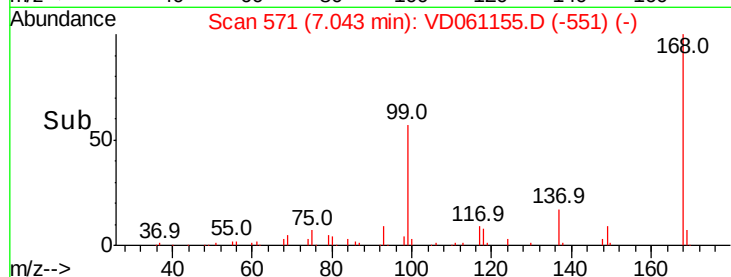
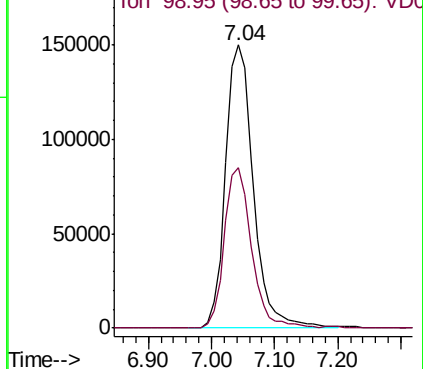
Ion Ratio Lower Upper

168 100

99 56.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 80.153 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061155.D

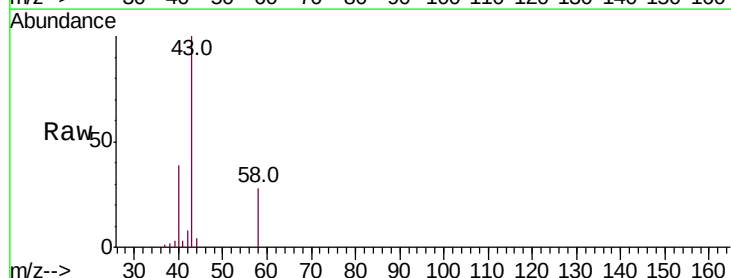
Acq: 18 Mar 2019 19:46

Tgt Ion: 43 Resp: 87553

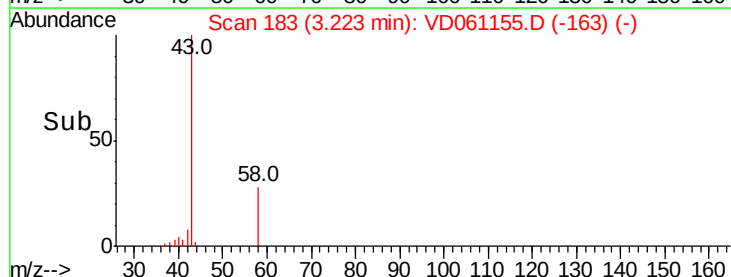
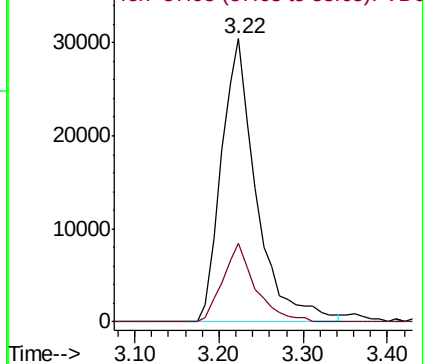
Ion Ratio Lower Upper

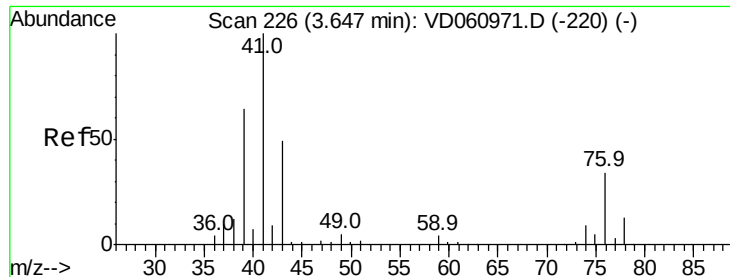
43 100

58 27.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

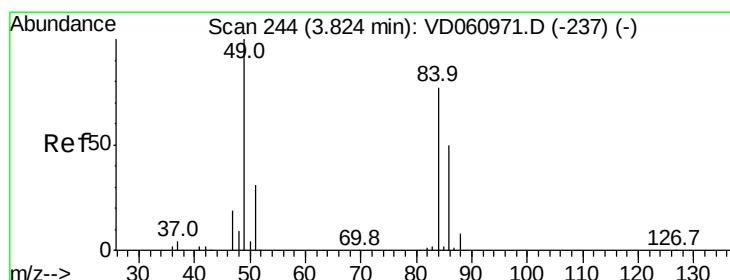
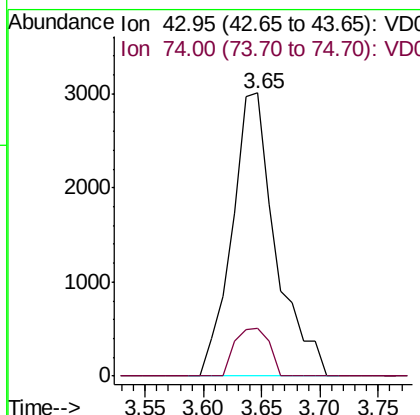
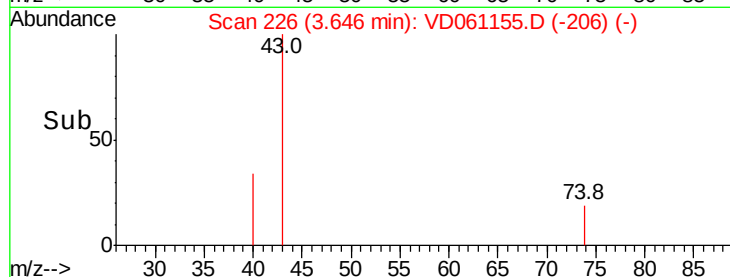
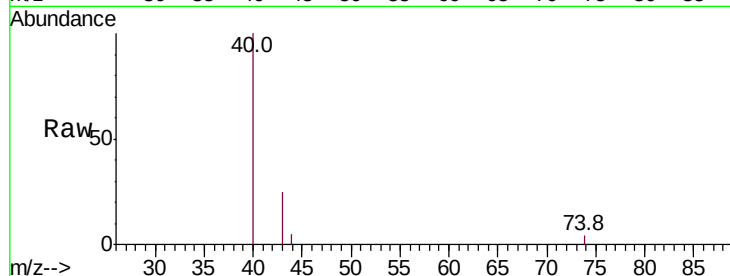




#18
Methvl Acetate
Concen: 3.628 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061155.D
Acq: 18 Mar 2019 19:46

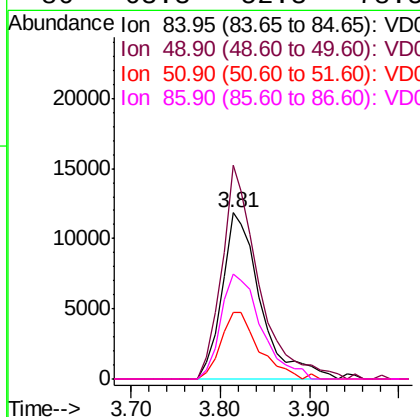
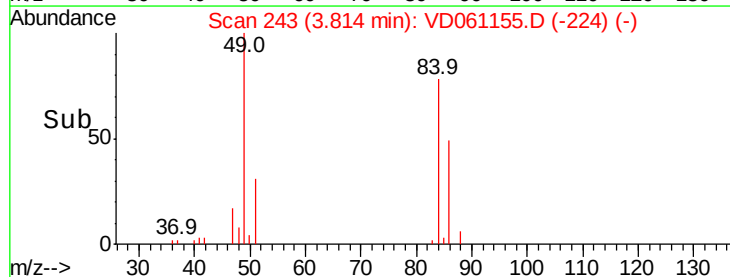
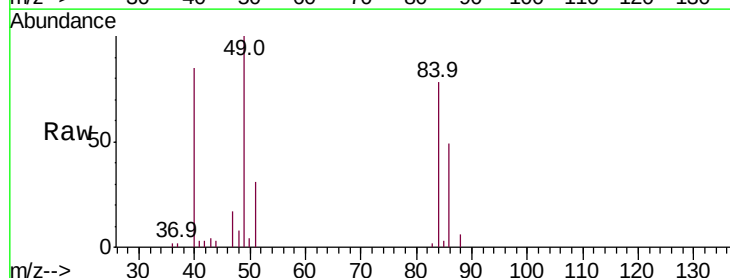
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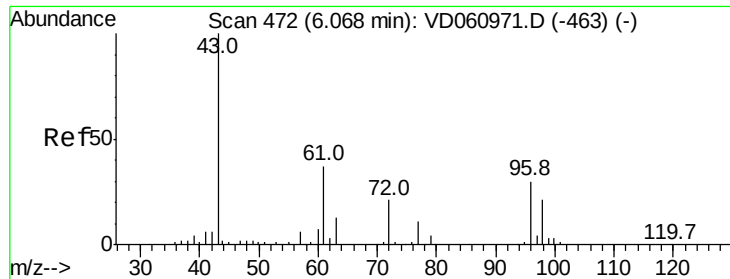
Tot Ion: 43 Resp: 7798
Ion Ratio Lower Upper
43 100
74 16.7 14.6 21.8



#20
Methylene Chloride
Concen: 2.795 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061155.D
Acq: 18 Mar 2019 19:46

Tgt Ion: 84 Resp: 35849
Ion Ratio Lower Upper
84 100
49 128.6 104.2 156.2
51 40.2 32.3 48.5
86 63.3 52.3 78.5





#25

2-Butanone

Concen: 10.768 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061155.D

Acq: 18 Mar 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

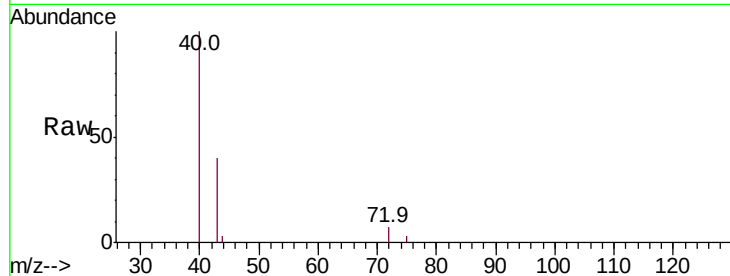
SU-01-031519-A

Tot Ion: 43 Resp: 13347

Ion Ratio Lower Upper

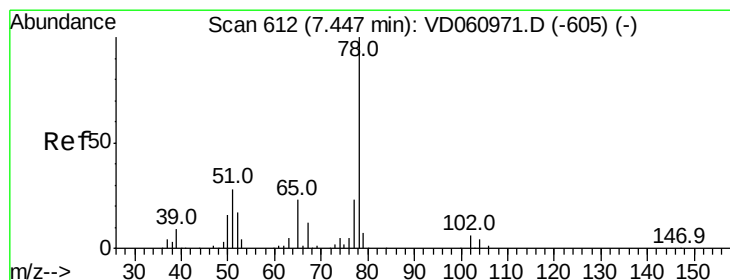
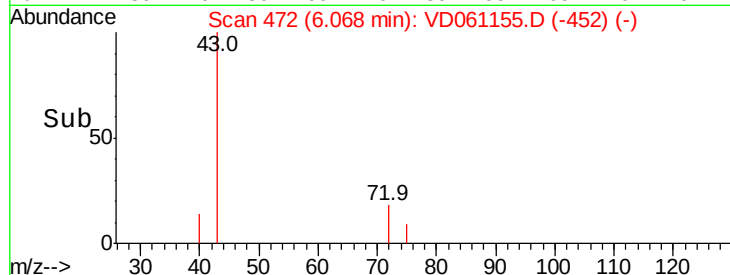
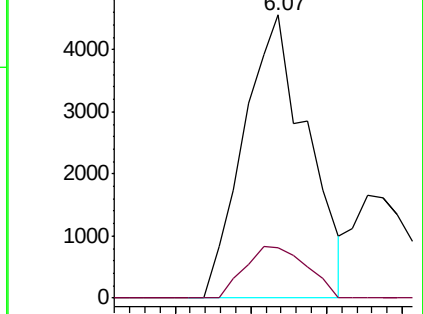
43 100

72 17.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061155.D

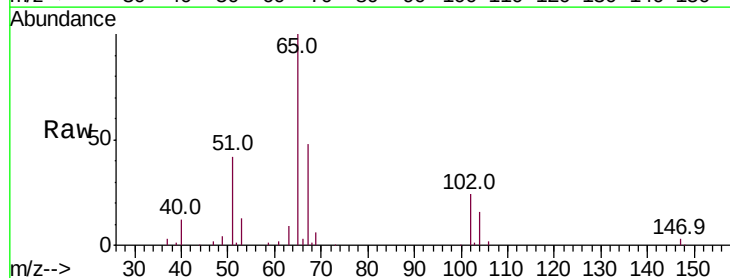
Acq: 18 Mar 2019 19:46

Tgt Ion: 65 Resp: 238452

Ion Ratio Lower Upper

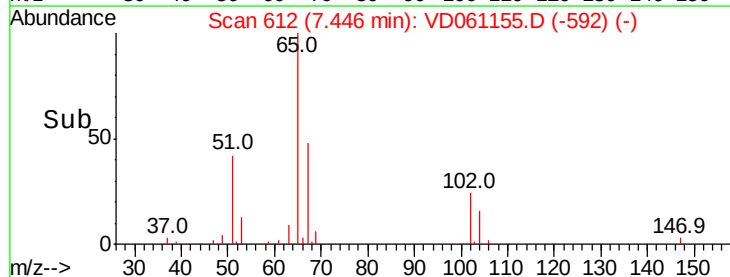
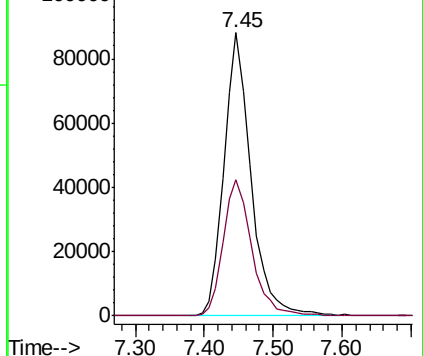
65 100

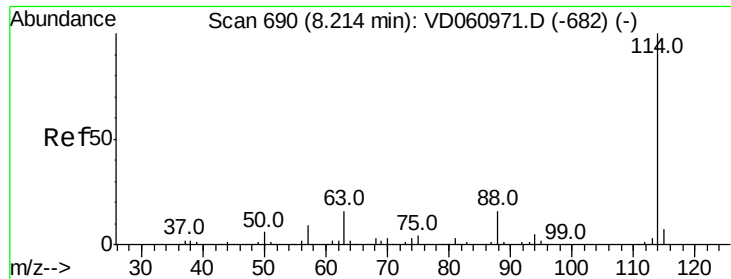
67 48.3 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

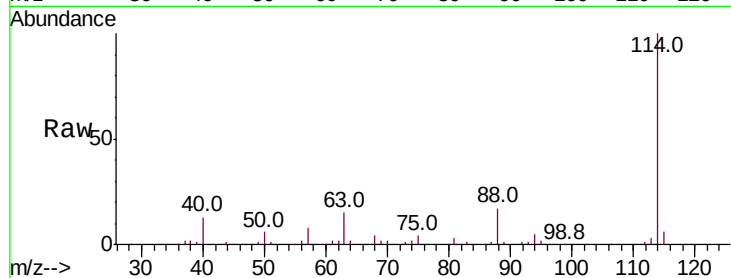




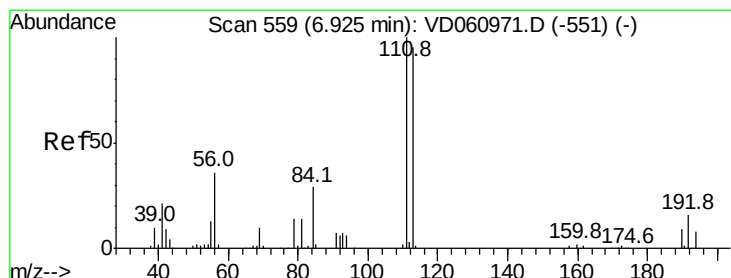
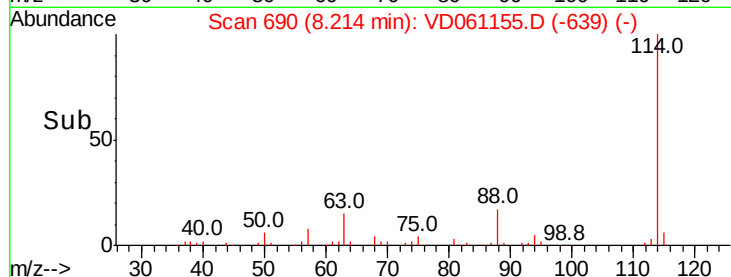
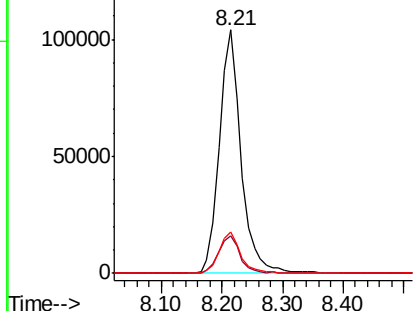
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

Instrument :
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 SU-01-031519-A

Tot Ion:114 Resp: 258753
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 17.0 0.0 33.0

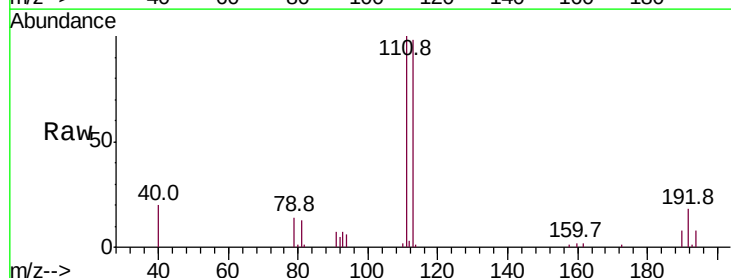


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VD
 Ion 87.90 (87.60 to 88.60): VD

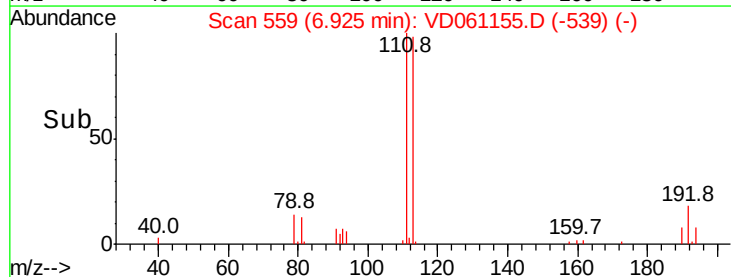
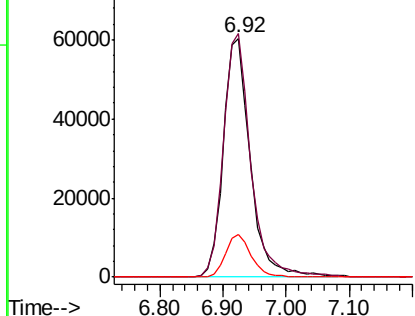


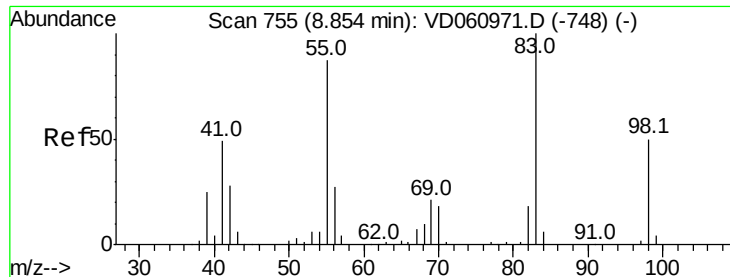
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

Tgt Ion:113 Resp: 179150
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.2 126.4
 192 17.9 13.1 19.7



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

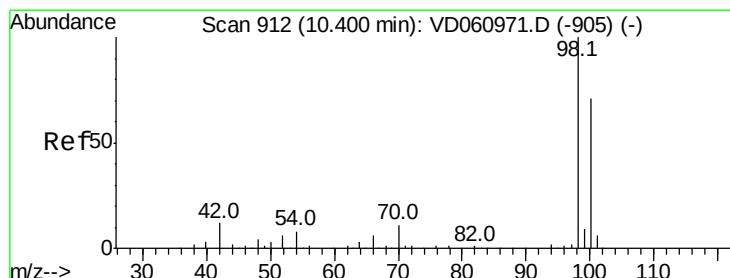
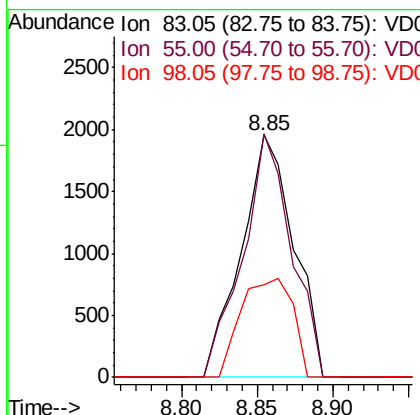
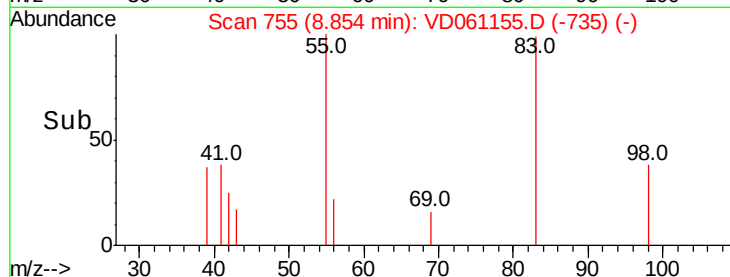
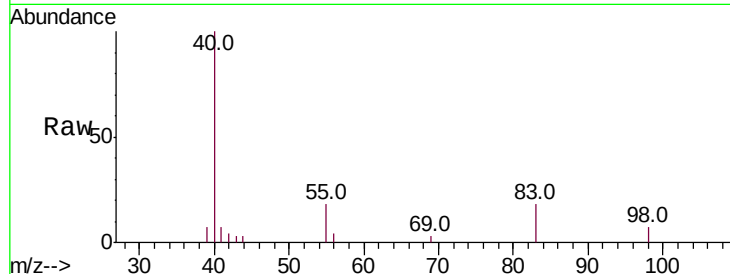




#39
Methylvlcyclohexane
Concen: 2.041 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061155.D
Acq: 18 Mar 2019 19:46

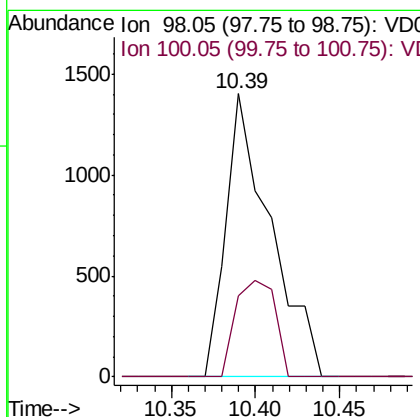
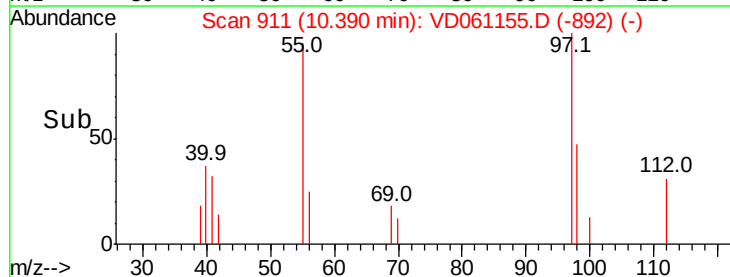
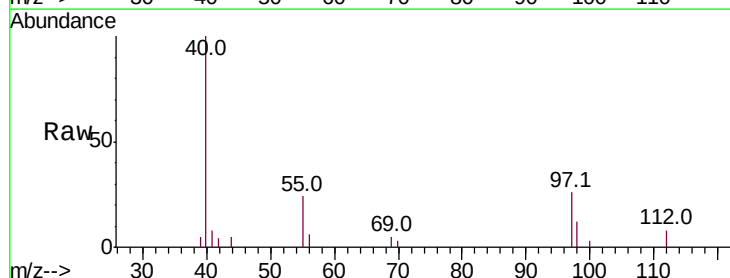
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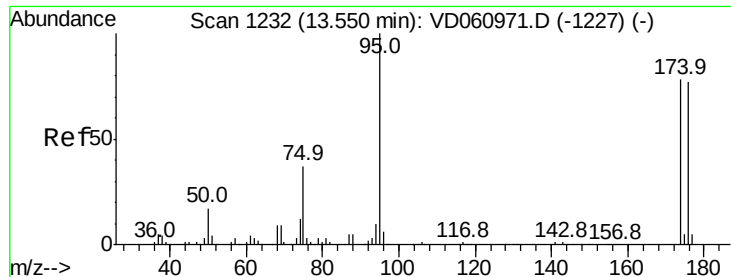
Tot Ion: 83 Resp: 4721
Ion Ratio Lower Upper
83 100
55 100.7 69.6 104.4
98 38.0 40.0 60.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061155.D
Acq: 18 Mar 2019 19:46

Tgt Ion: 98 Resp: 2577
Ion Ratio Lower Upper
98 100
100 28.5 57.4 86.2#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061155.D

Acq: 18 Mar 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031519-A

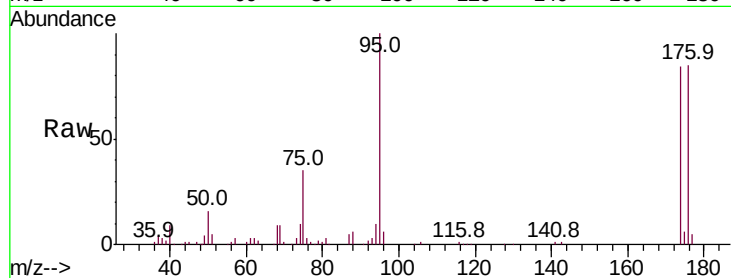
Tot Ion: 95 Resp: 160425

Ion Ratio Lower Upper

95 100

174 83.6 0.0 155.6

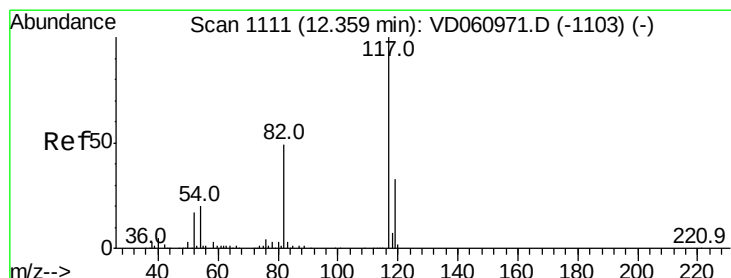
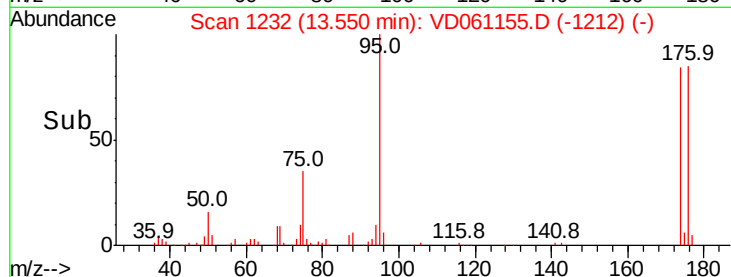
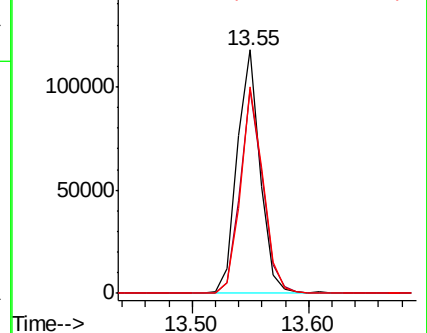
176 84.7 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061155.D

Acq: 18 Mar 2019 19:46

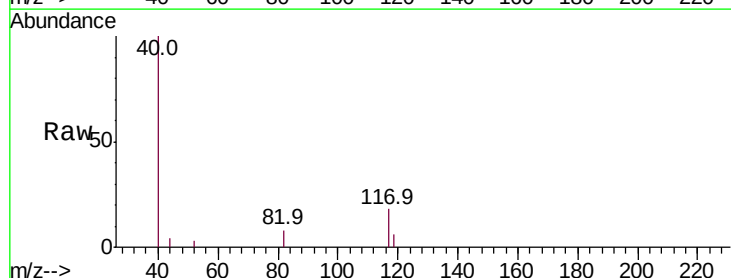
Tgt Ion: 117 Resp: 2788

Ion Ratio Lower Upper

117 100

82 43.3 38.9 58.3

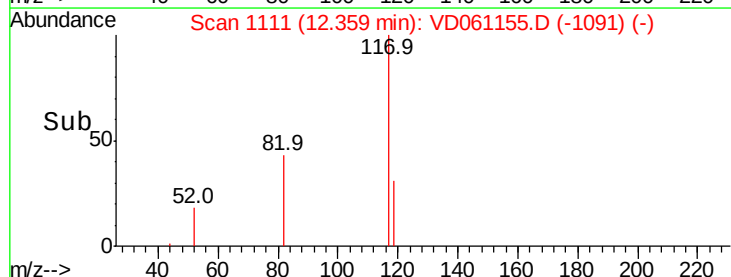
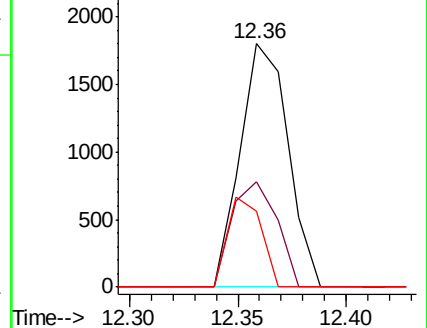
119 31.4 26.6 39.8

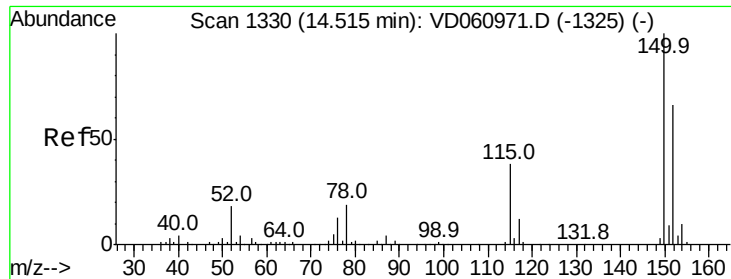


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

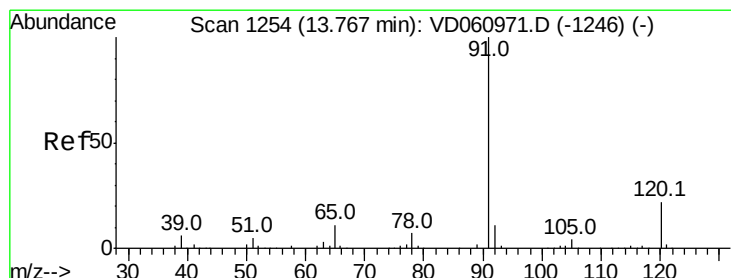
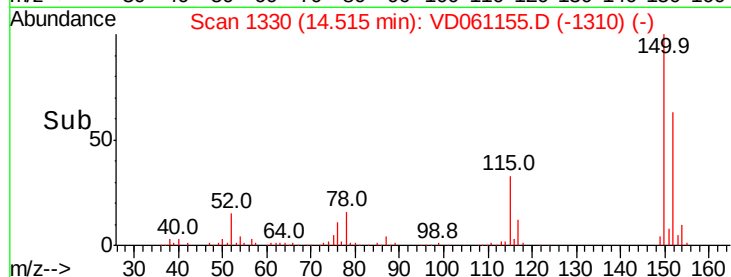
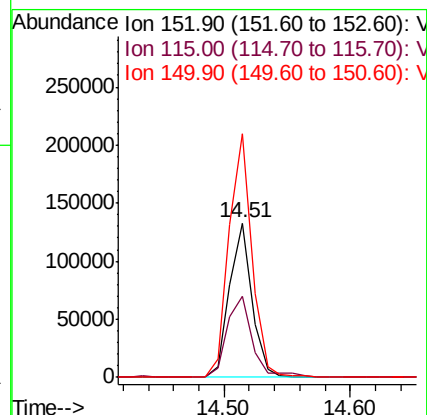
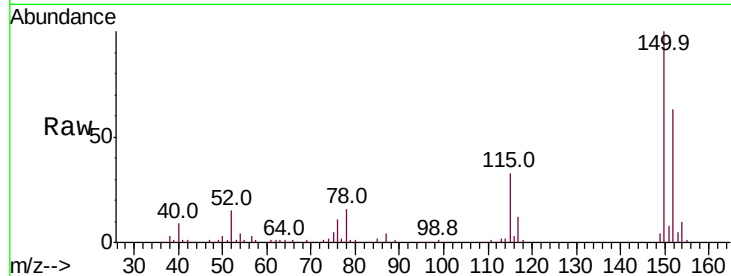




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

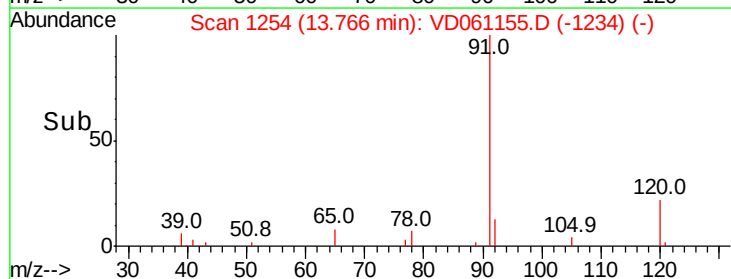
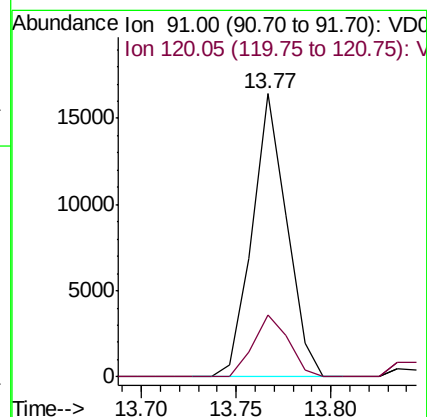
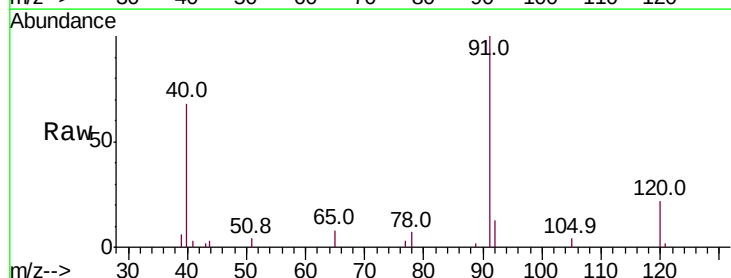
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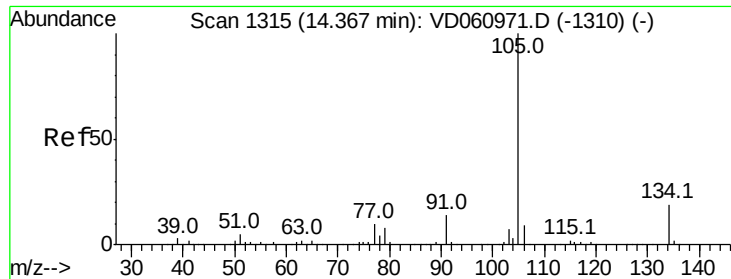
Tot Ion:152 Resp: 163823
 Ion Ratio Lower Upper
 152 100
 115 52.6 28.6 85.9
 150 157.7 0.0 310.6



#78
 n-propylbenzene
 Concen: 1.511 ug/l
 RT: 13.77 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

Tgt Ion: 91 Resp: 20884
 Ion Ratio Lower Upper
 91 100
 120 21.7 10.8 32.3

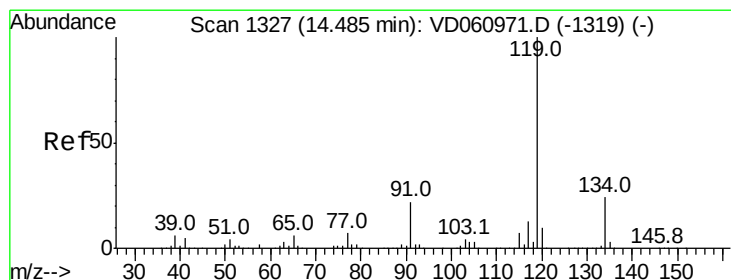
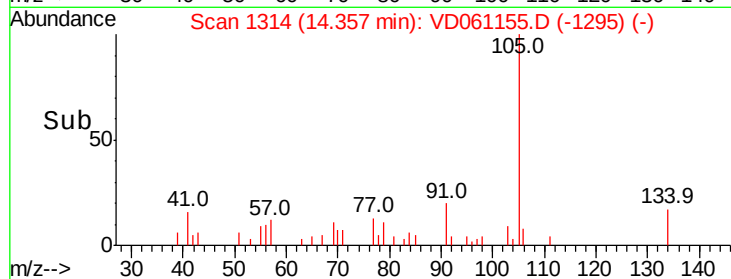
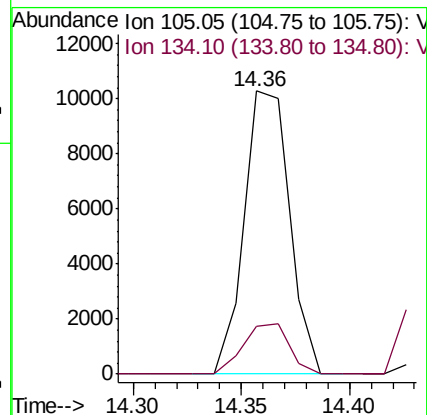
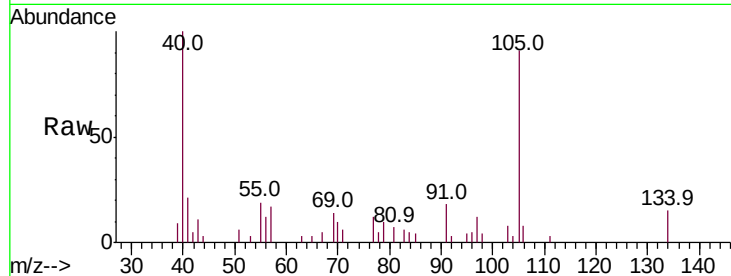




#85
 sec-Butylbenzene
 Concen: 1.263 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

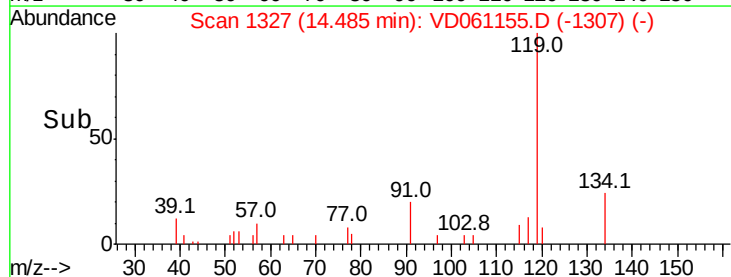
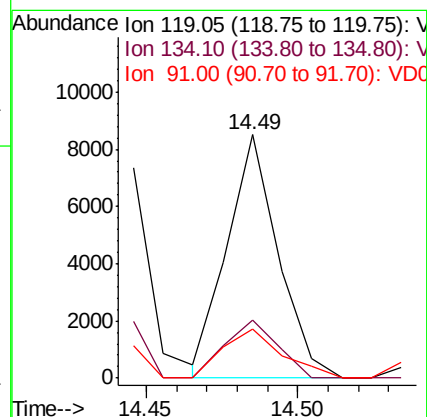
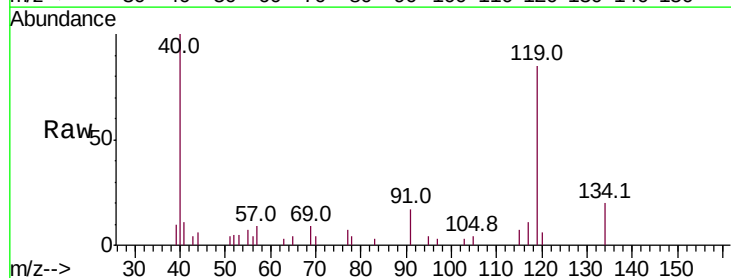
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031519-A

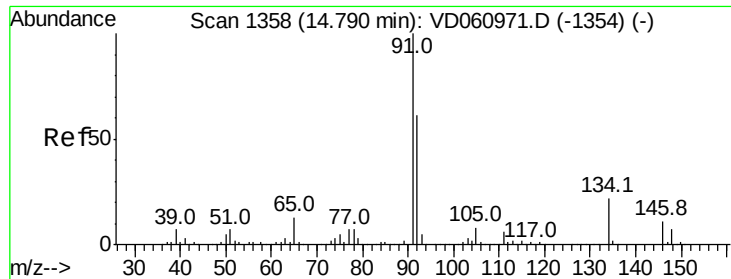
Tot Ion:105 Resp: 15125
 Ion Ratio Lower Upper
 105 100
 134 16.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 1.024 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061155.D
 Acq: 18 Mar 2019 19:46

Tgt Ion:119 Resp: 10021
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.0 36.1
 91 20.4 11.2 33.6





#89

n-Butylbenzene

Concen: 3.906 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061155.D

Acq: 18 Mar 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031519-A

Tot Ion: 91 Resp: 36716

Ion Ratio Lower Upper

91 100

92 57.3 30.6 91.8

134 33.2 11.0 33.0#

