

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061182.D
 Acq On : 19 Mar 2019 13:54
 Operator : VA/AP
 Sample : K1970-04
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-4-E.WALL-S.CENTER

Quant Time: Mar 19 14:50:47 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	607591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1126760	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	371770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	49935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	238590	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
35) Dibromofluoromethane	6.91	113	374457	44.78	ug/l	-0.01
Spiked Amount			Recovery	=	89.56%	
50) Toluene-d8	10.40	98	955716	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
62) 4-Bromofluorobenzene	13.55	95	355477	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	

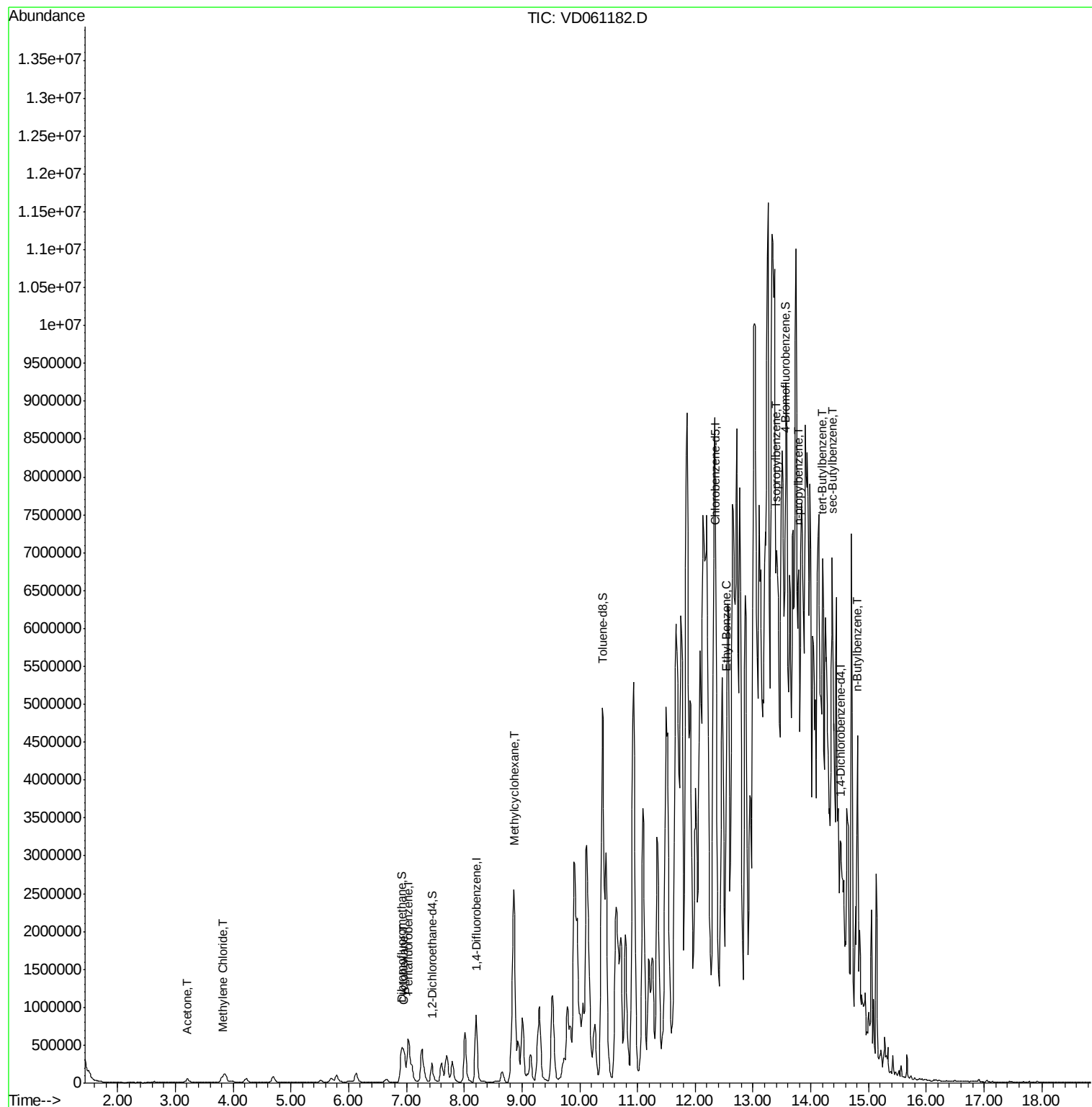
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	84290	58.282	ug/l	99
20) Methylene Chloride	3.81	84	38921	1.366	ug/l	97
31) Cyclohexane	6.95	56	216384	24.178	ug/l	88
39) Methylcyclohexane	8.86	83	1591196	157.996	ug/l	94
67) Ethyl Benzene	12.53	91	847743	78.130	ug/l	100
73) Isopropylbenzene	13.42	105	1593633	442.836	ug/l	100
78) n-propylbenzene	13.79	91	3044645	722.680	ug/l	94
83) tert-Butylbenzene	14.19	119	154133	51.552	ug/l	86
85) sec-Butylbenzene	14.37	105	2149037	588.769	ug/l	99
89) n-Butylbenzene	14.80	91	548516	191.444	ug/l	94

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

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Quant Title : SW846 8260
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# 570

Delta R.T. -0.00 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

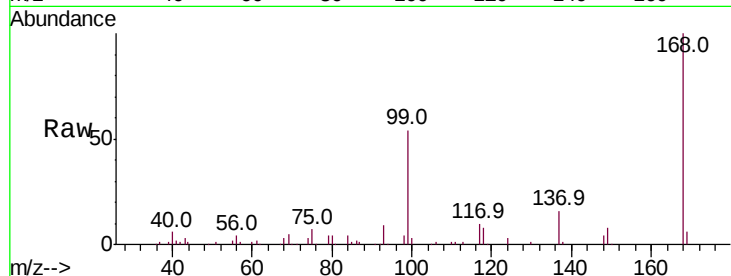
P-4-E.WALL-S.CENTER

Tot Ion:168 Resp: 607591

Ion Ratio Lower Upper

168 100

99 53.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

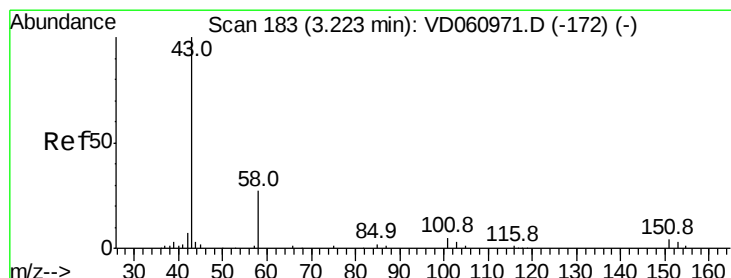
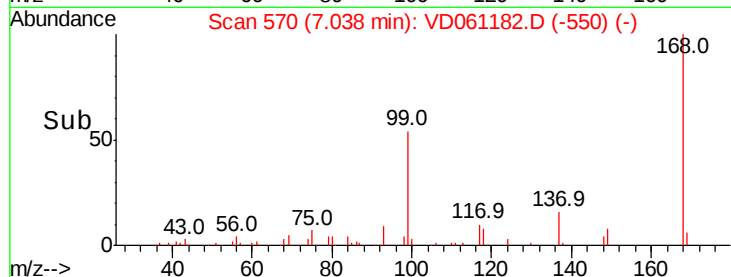
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 58.282 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061182.D

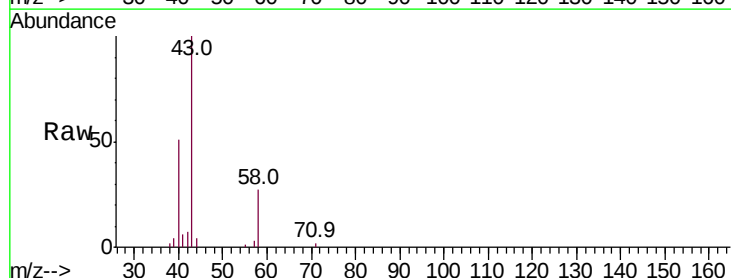
Acq: 19 Mar 2019 13:54

Tgt Ion: 43 Resp: 84290

Ion Ratio Lower Upper

43 100

58 26.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

30000

25000

20000

15000

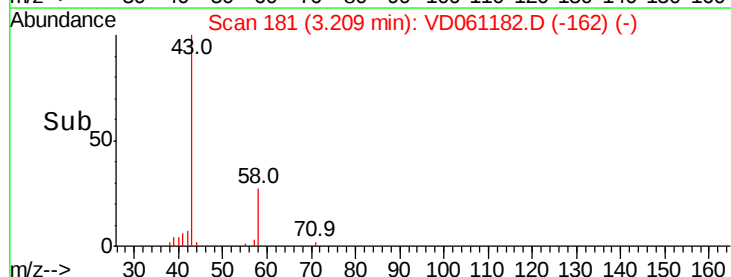
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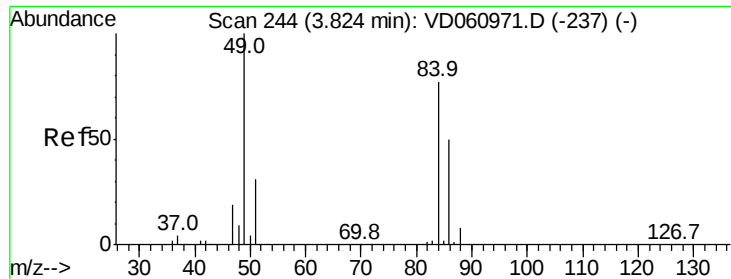
5000

0

3.10 3.20 3.30 3.40

Time-->

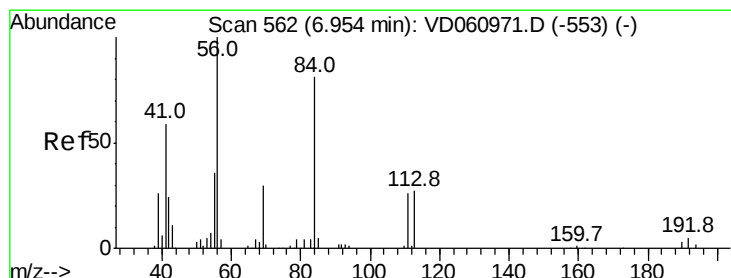
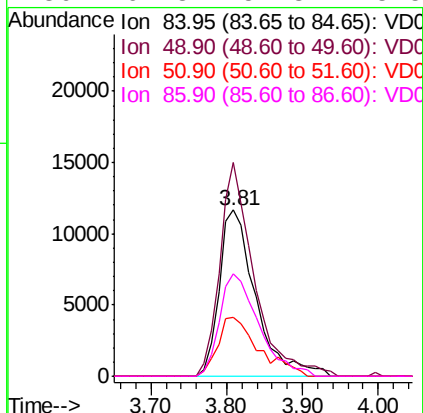
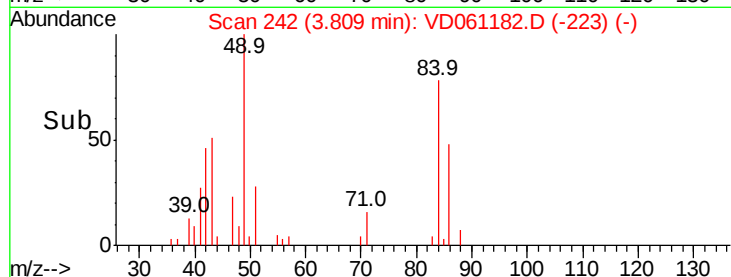
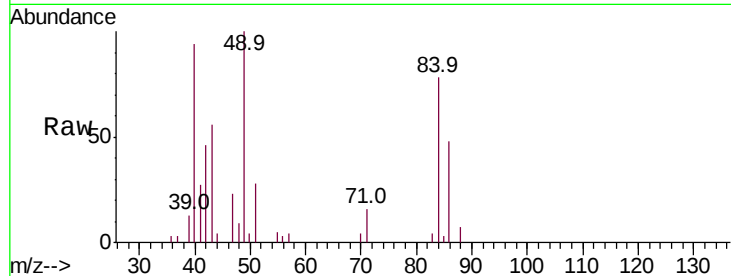




#20
Methylene Chloride
Concen: 1.366 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

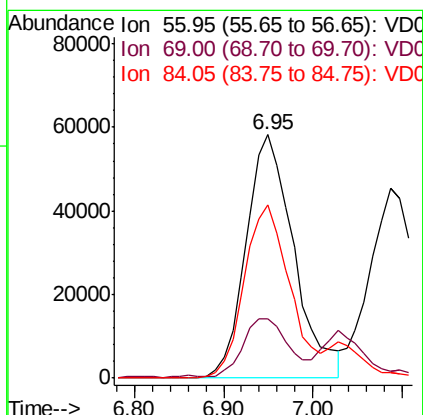
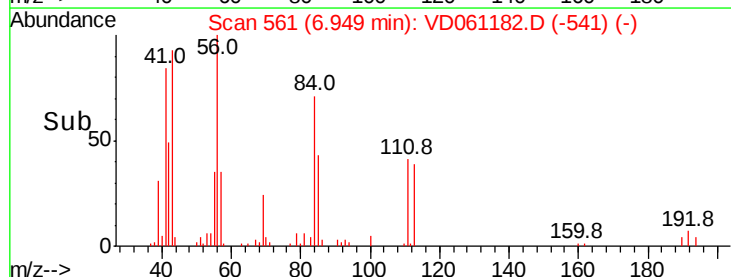
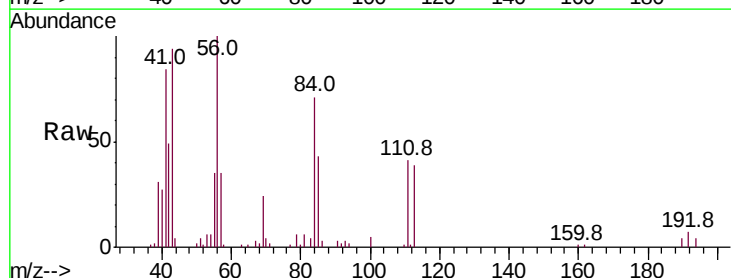
Instrument :
MSVOA_D
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P-4-E.WALL-S.CENTER

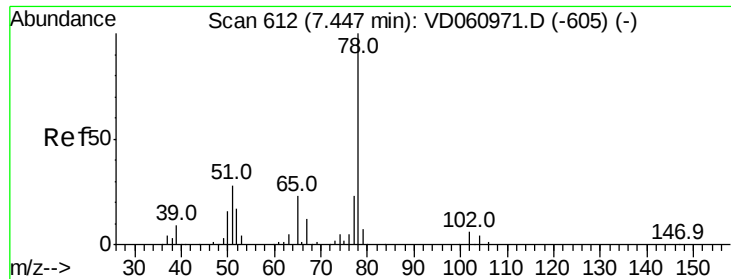
Tot Ion: 84 Resp: 38921
Ion Ratio Lower Upper
84 100
49 128.5 104.2 156.2
51 35.6 32.3 48.5
86 61.8 52.3 78.5



#31
Cyclohexane
Concen: 24.178 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

Tgt Ion: 56 Resp: 216384
Ion Ratio Lower Upper
56 100
69 24.4 24.0 36.0
84 71.3 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

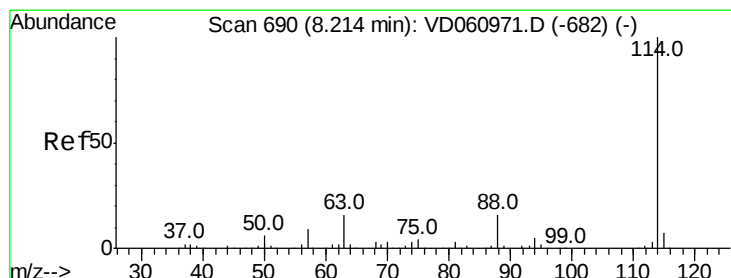
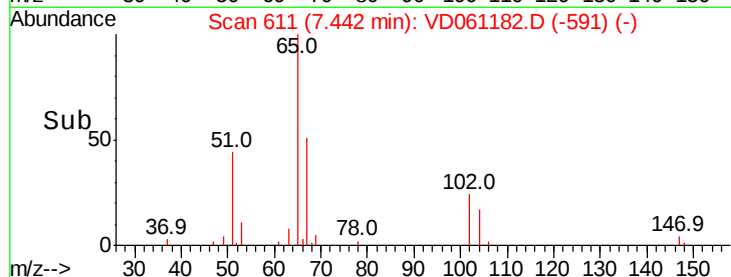
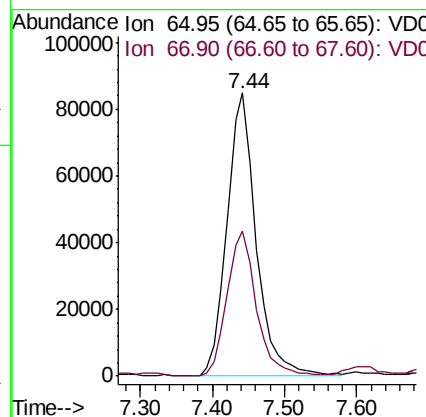
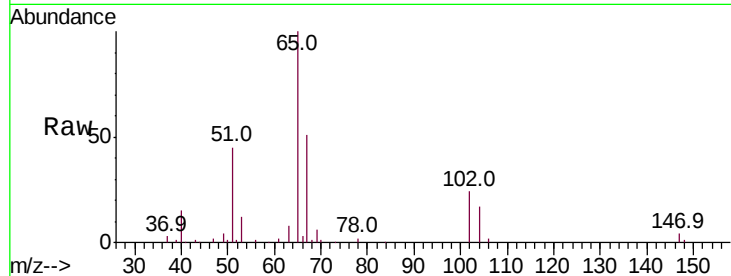
P-4-E.WALL-S.CENTER

Tot Ion: 65 Resp: 238590

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

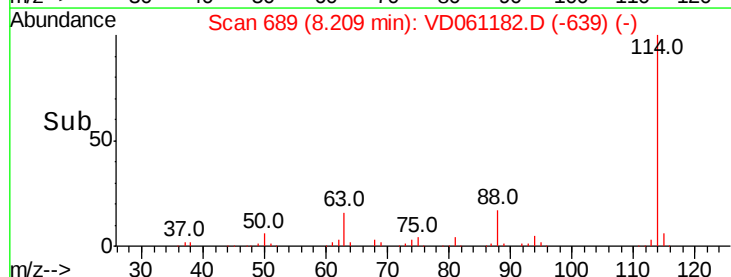
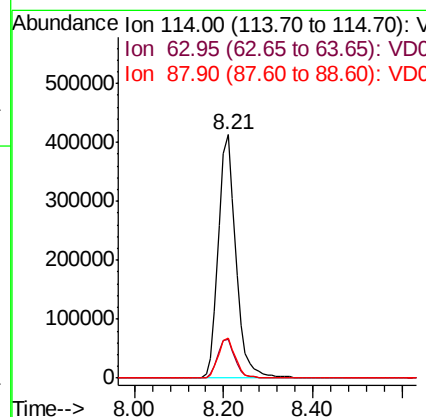
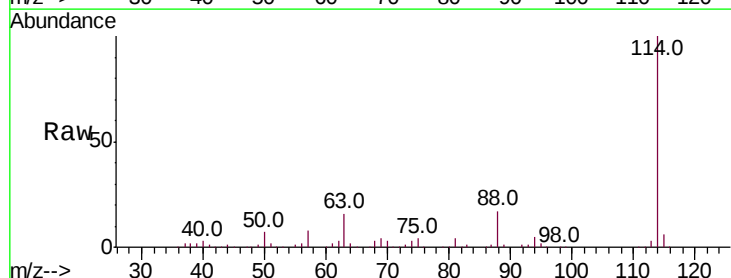
Tgt Ion:114 Resp: 1126760

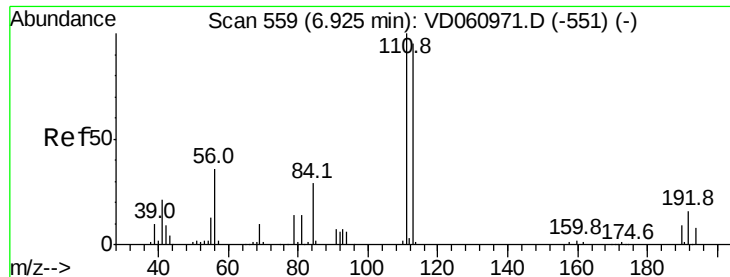
Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

P-4-E.WALL-S.CENTER

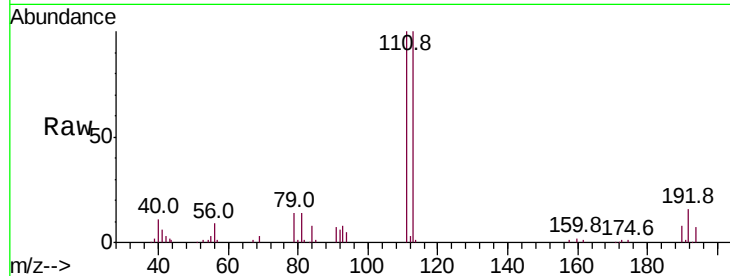
Tot Ion:113 Resp: 374457

Ion Ratio Lower Upper

113 100

111 100.2 84.2 126.4

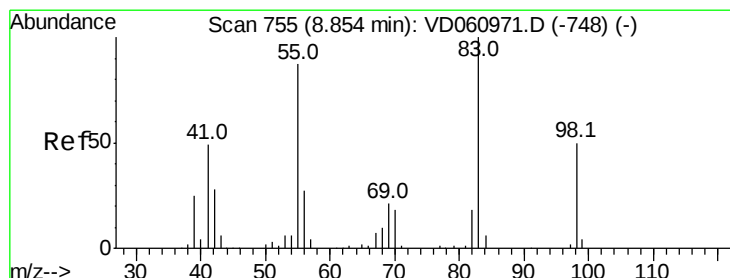
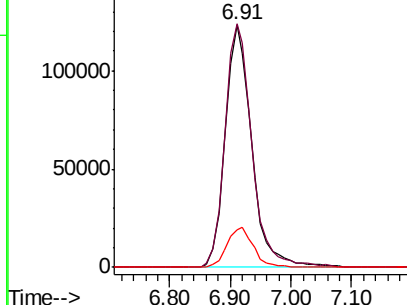
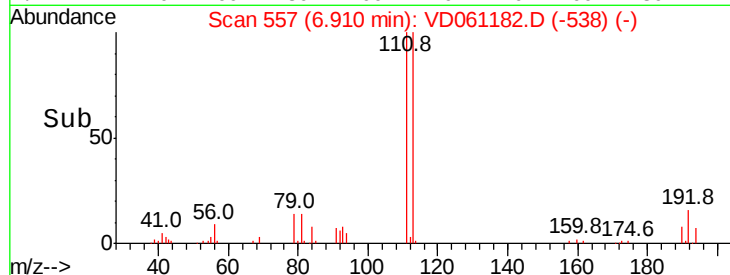
192 15.6 13.1 19.7



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

Methylcyclohexane

Concen: 157.996 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

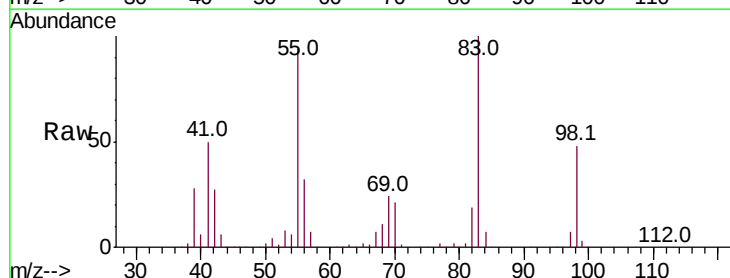
Tgt Ion: 83 Resp: 1591196

Ion Ratio Lower Upper

83 100

55 94.1 69.6 104.4

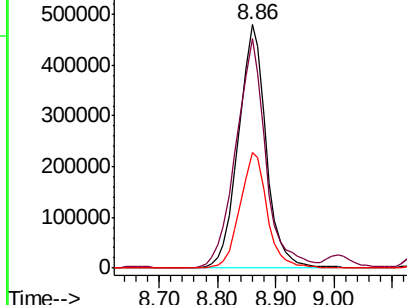
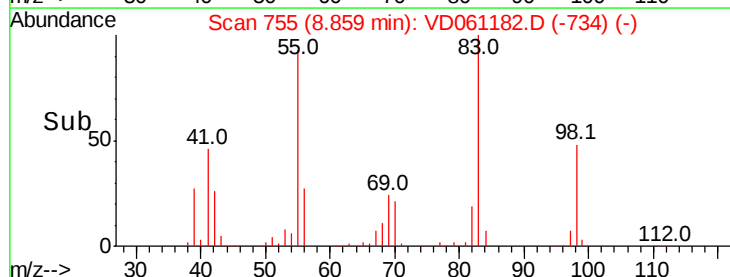
98 47.7 40.0 60.0

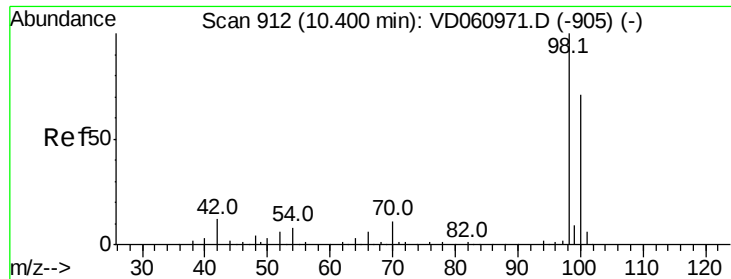


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

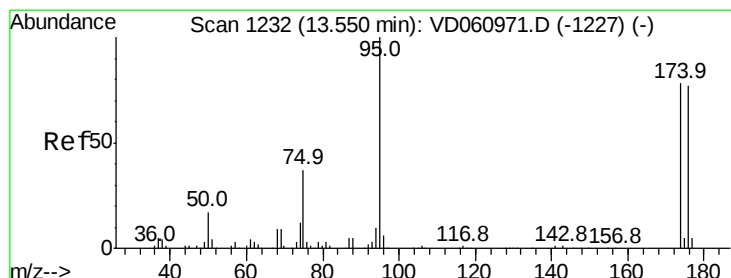
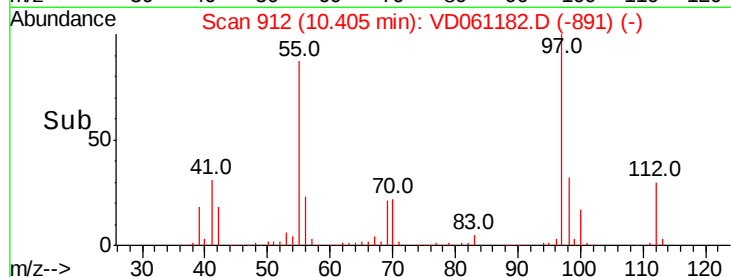
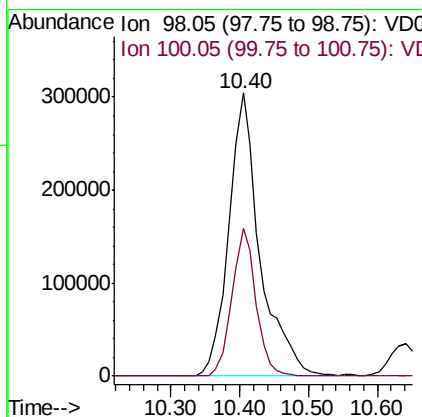
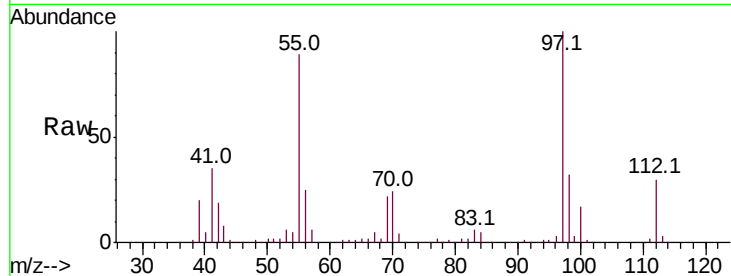




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

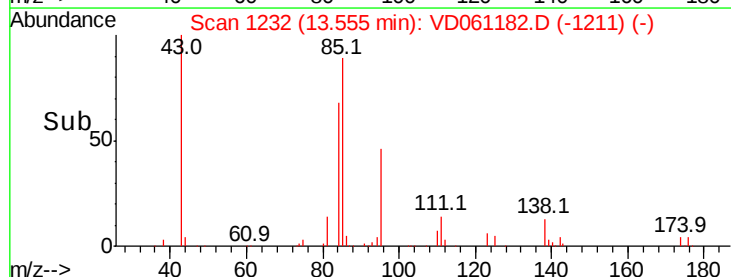
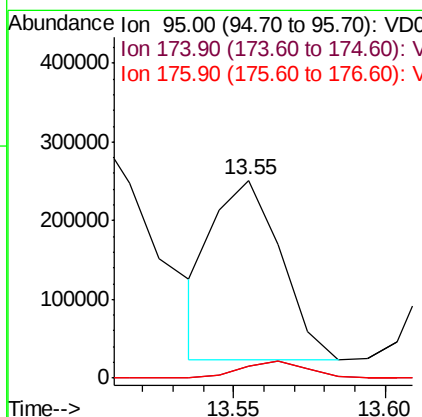
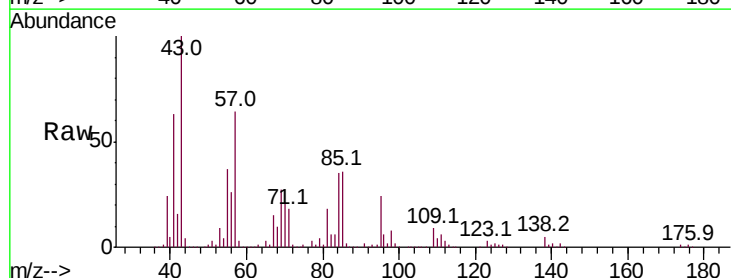
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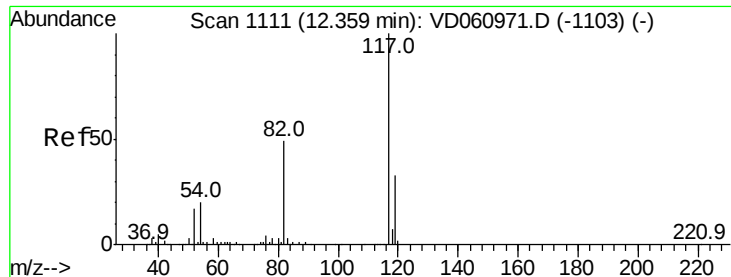
Tot Ion: 98 Resp: 955716
Ion Ratio Lower Upper
98 100
100 52.0 57.4 86.2#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

Tgt Ion: 95 Resp: 355477
Ion Ratio Lower Upper
95 100
174 6.1 0.0 155.6
176 5.8 0.0 153.8

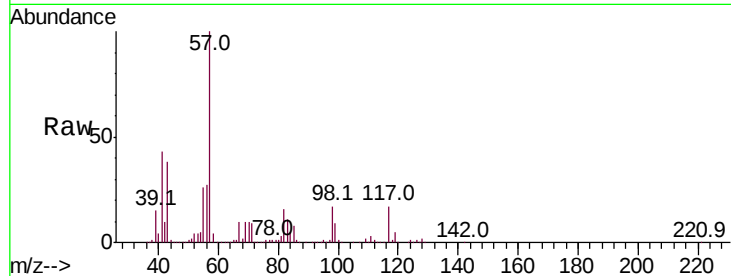




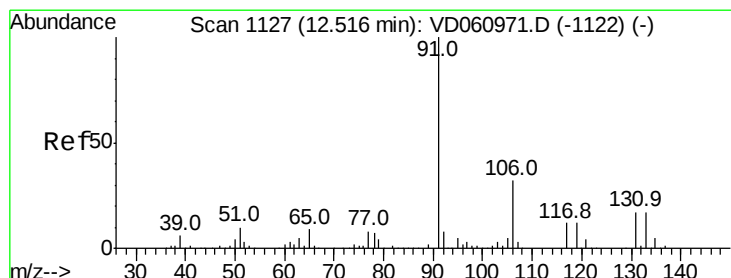
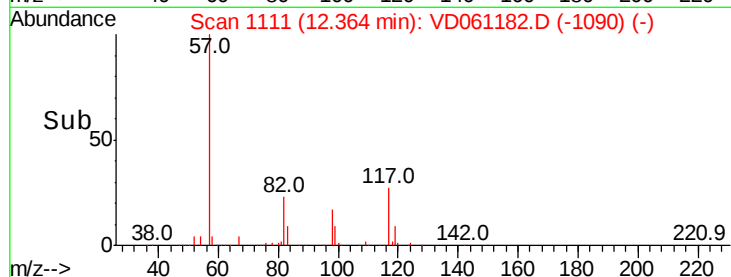
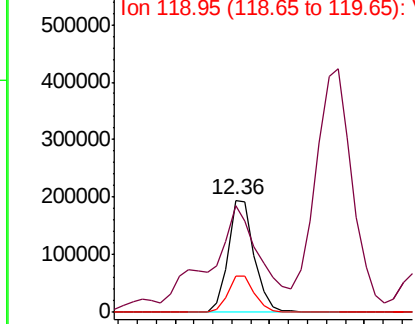
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
P-4-E.WALL-S.CENTER

Tot Ion:117 Resp: 371770
Ion Ratio Lower Upper
117 100
82 95.1 38.9 58.3#
119 32.3 26.6 39.8

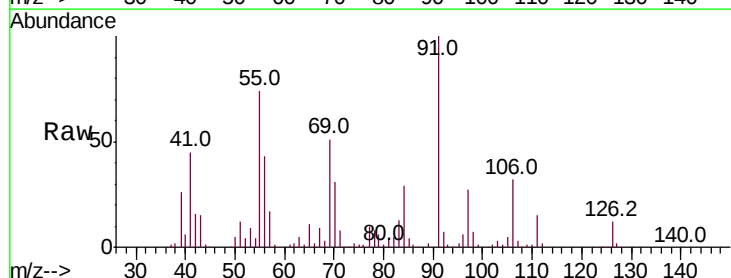


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

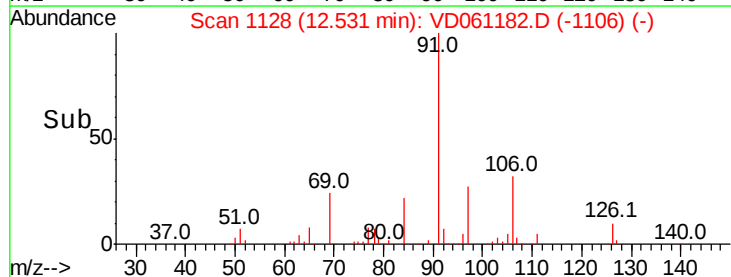
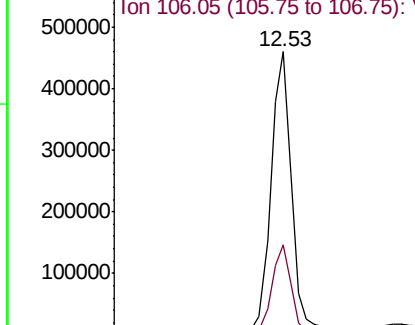


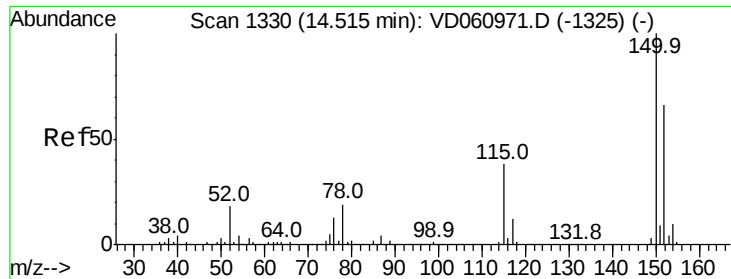
#67
Ethyl Benzene
Concen: 78.130 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

Tgt Ion: 91 Resp: 847743
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061182.D

Acq: 19 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

P-4-E.WALL-S.CENTER

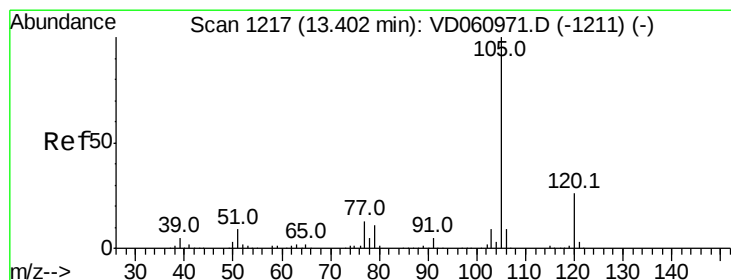
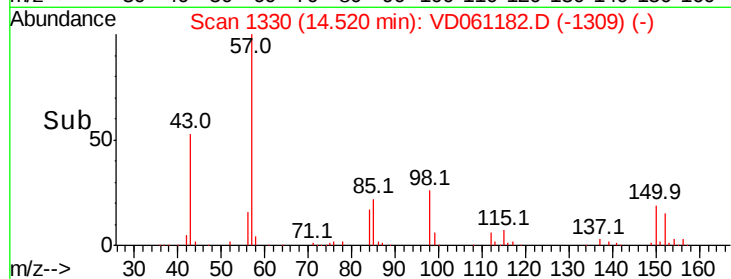
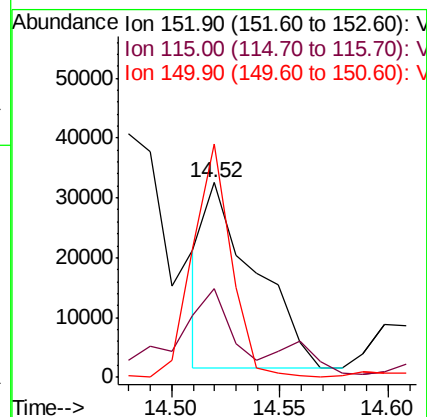
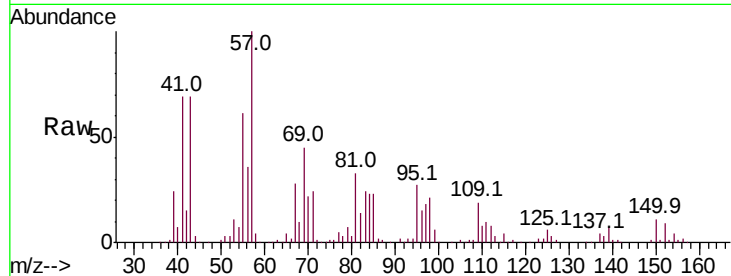
Tot Ion:152 Resp: 49935

Ion Ratio Lower Upper

152 100

115 45.7 28.6 85.9

150 119.9 0.0 310.6



#73

Isopropylbenzene

Concen: 442.836 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061182.D

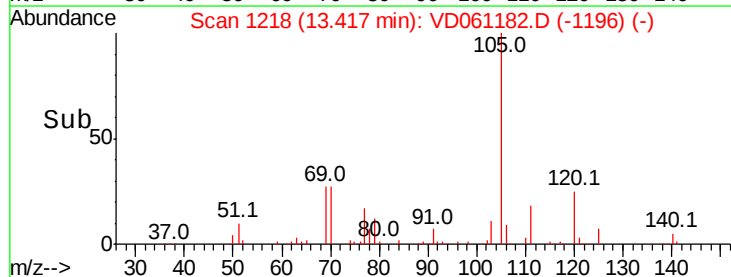
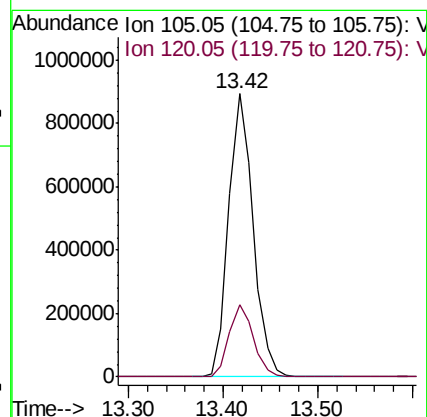
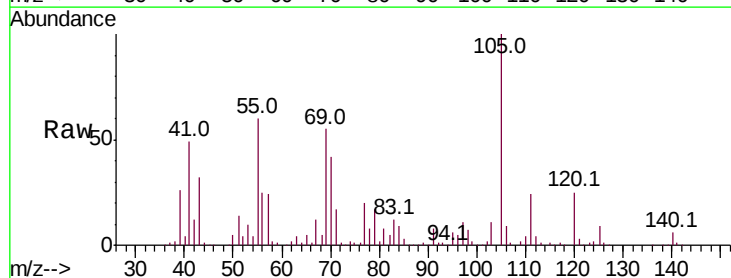
Acq: 19 Mar 2019 13:54

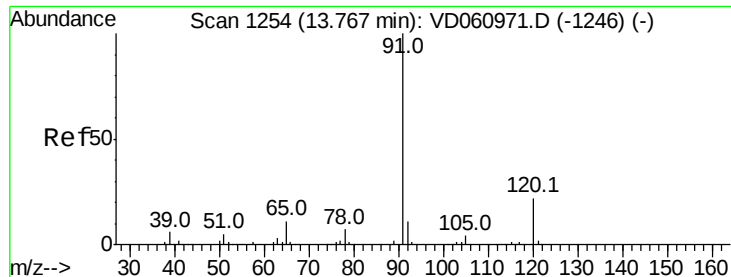
Tgt Ion:105 Resp: 1593633

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4

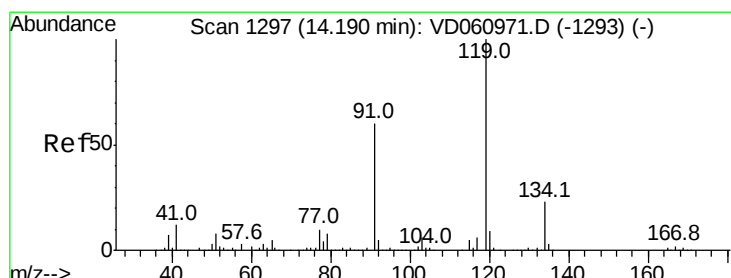
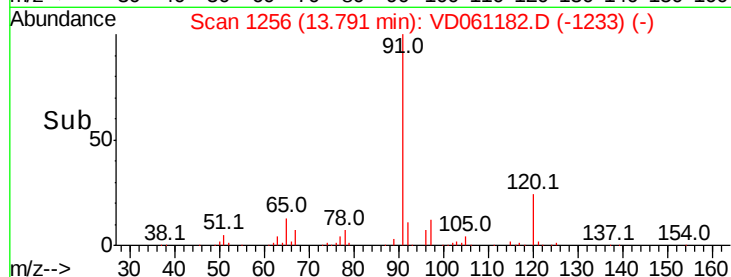
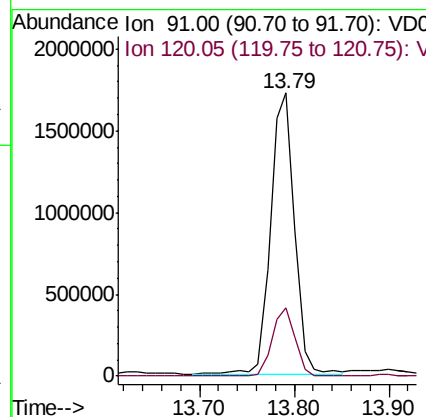
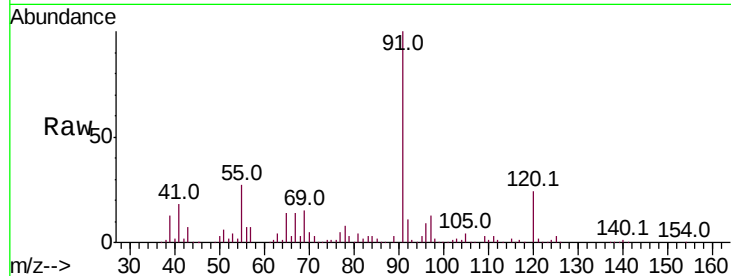




#78
n-propylbenzene
Concen: 722.680 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

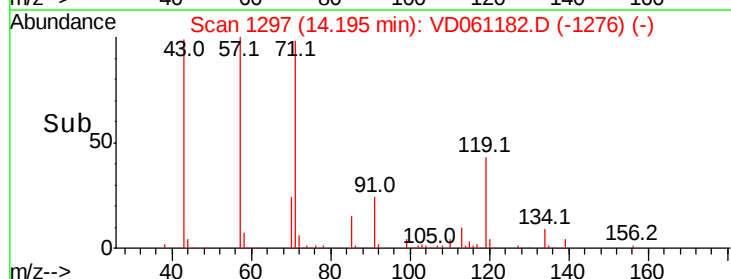
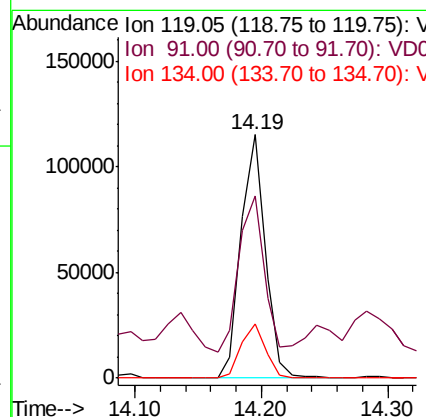
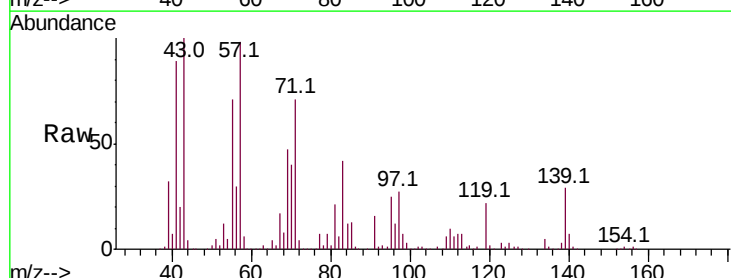
Instrument :
MSVOA_D
ClientSampleId :
P-4-E.WALL-S.CENTER

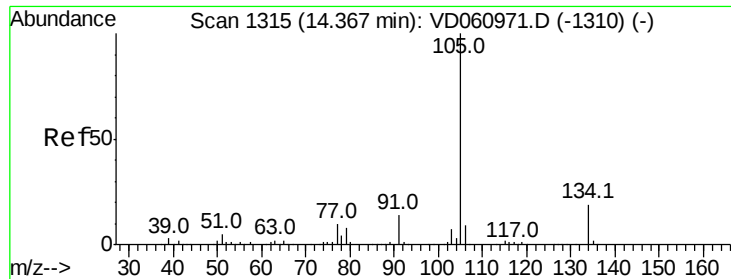
Tot Ion: 91 Resp: 3044645
Ion Ratio Lower Upper
91 100
120 24.1 10.8 32.3



#83
tert-Butylbenzene
Concen: 51.552 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061182.D
Acq: 19 Mar 2019 13:54

Tgt Ion: 119 Resp: 154133
Ion Ratio Lower Upper
119 100
91 74.7 30.1 90.3
134 22.0 11.6 34.7

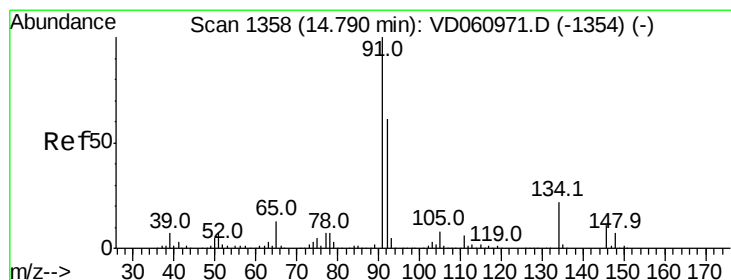
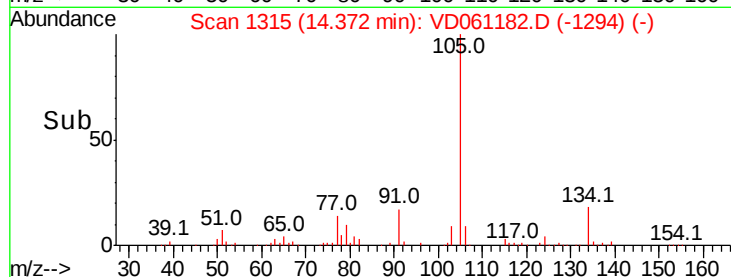
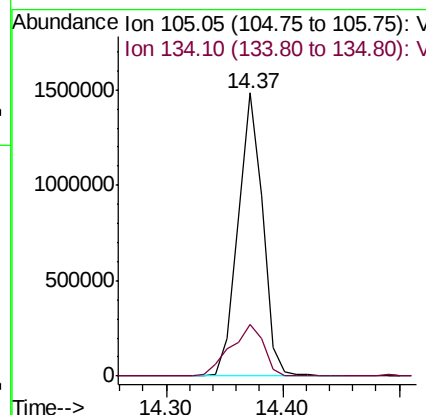
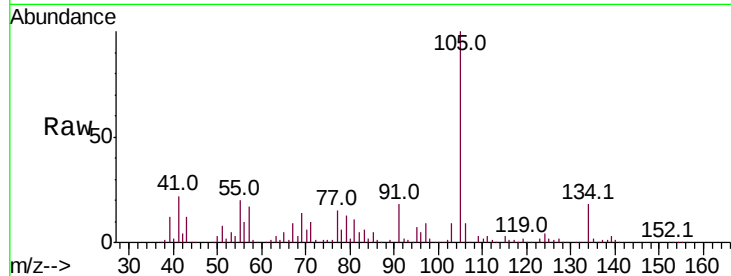




#85
 sec-Butylbenzene
 Concen: 588.769 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061182.D
 Acq: 19 Mar 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 P-4-E.WALL-S.CENTER

Tot Ion:105 Resp: 2149037
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2



#89
 n-Butylbenzene
 Concen: 191.444 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.01 min
 Lab File: VD061182.D
 Acq: 19 Mar 2019 13:54

Tgt Ion: 91 Resp: 548516
 Ion Ratio Lower Upper
 91 100
 92 58.1 30.6 91.8
 134 27.8 11.0 33.0

