

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060738.D
 Acq On : 27 Dec 2018 20:42
 Operator : VA/AP
 Sample : J6447-07RE
 Misc : 3.56g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-0612-01RE

Quant Time: Dec 28 01:39:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

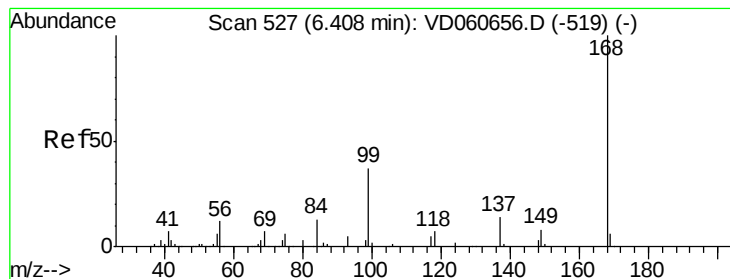
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	582531	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	866902	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	594340	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.35	152	216034	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	343212	85.26	ug/l	-0.04
Spiked Amount			Recovery	=	170.52%	
35) Dibromofluoromethane	6.29	113	401043	63.21	ug/l	-0.04
Spiked Amount			Recovery	=	126.42%	
50) Toluene-d8	9.42	98	830230	43.85	ug/l	-0.04
Spiked Amount			Recovery	=	87.70%	
62) 4-Bromofluorobenzene	12.41	95	216254	32.62	ug/l	-0.01
Spiked Amount			Recovery	=	65.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.13	43	202063	287.416	ug/l	94
18) Methyl Acetate	3.52	43	5381	3.088	ug/l #	63
20) Methylene Chloride	3.69	84	58658	8.034	ug/l	96
25) 2-Butanone	5.59	43	12851	9.552	ug/l	97
31) Cyclohexane	6.37	56	11317	1.113	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	42536	4.765	ug/l #	46
37) Ethyl Acetate	5.59	43	12851	3.442	ug/l #	69
38) Carbon Tetrachloride	6.37	117	44081	5.597	ug/l #	16
40) Benzene	6.76	78	41105	1.783	ug/l	96
52) Toluene	9.51	92	31846	2.203	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	91753	135.006	ug/l #	13

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD122718\
Data File : VD060738.D
Acq On    : 27 Dec 2018   20:42
Operator  : VA/AP
Sample    : J6447-07RE
Misc      : 3.56g/5ml/MSV0A_D/SOIL
ALS Vial  : 21      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.04 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

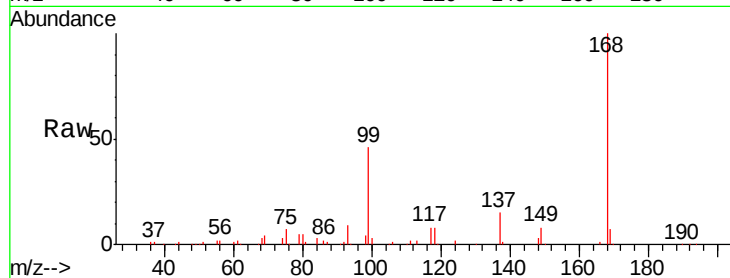
P001-SS025-0612-01RE

Tgt Ion:168 Resp: 582531

Ion Ratio Lower Upper

168 100

99 46.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

250000

200000

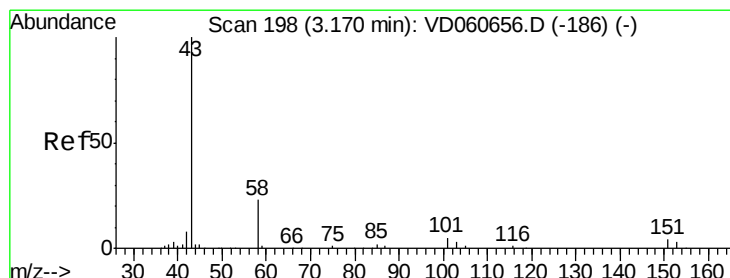
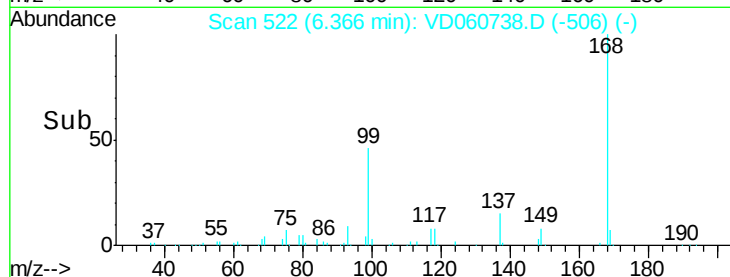
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 287.416 ug/l

RT: 3.13 min Scan# 193

Delta R.T. -0.04 min

Lab File: VD060738.D

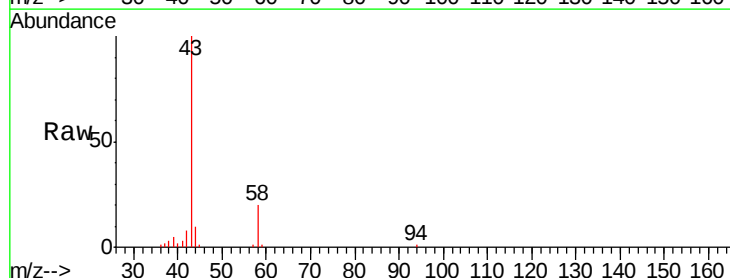
Acq: 27 Dec 2018 20:42

Tgt Ion: 43 Resp: 202063

Ion Ratio Lower Upper

43 100

58 19.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.13

80000

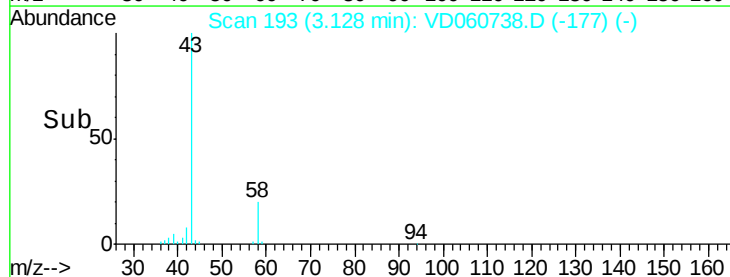
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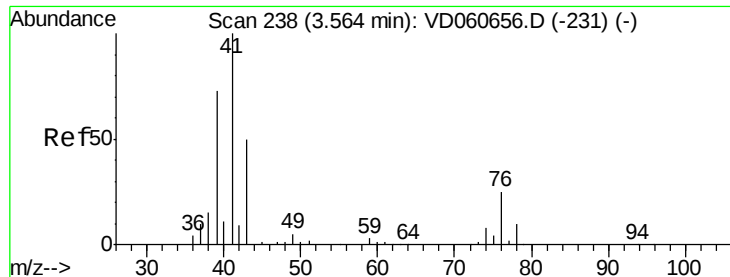
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Time-->

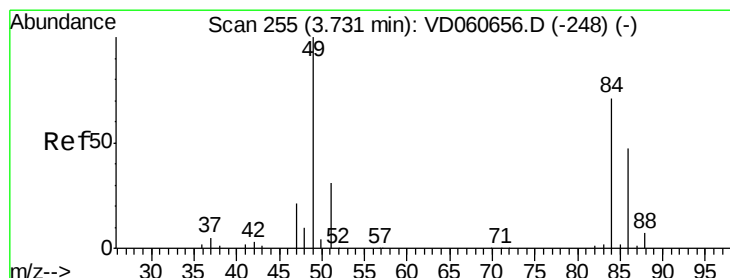
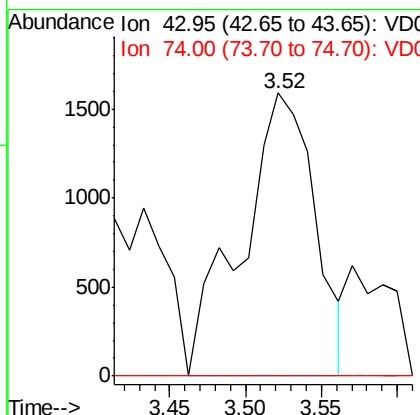
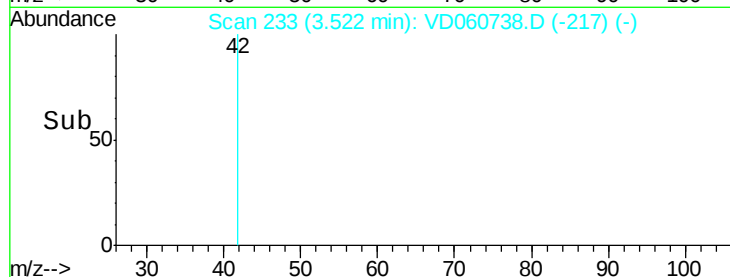
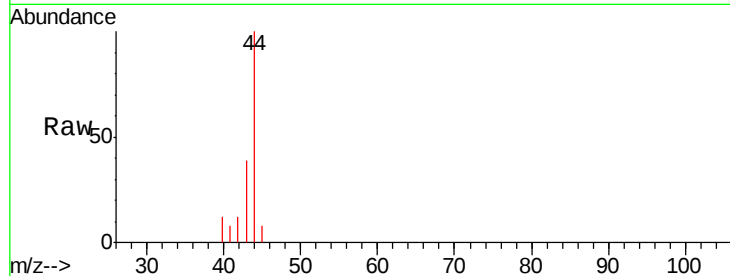




#18
Methyl Acetate
Concen: 3.088 ug/l
RT: 3.52 min Scan# 233
Delta R.T. -0.04 min
Lab File: VD060738.D
Acq: 27 Dec 2018 20:42

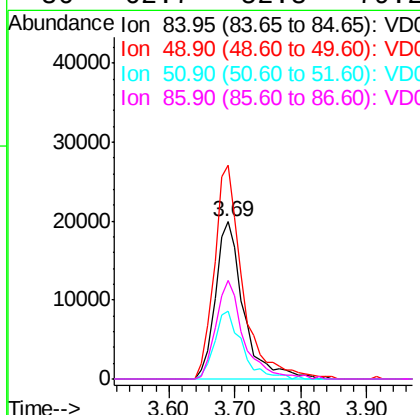
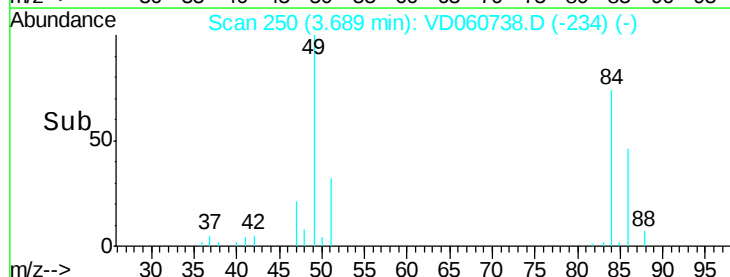
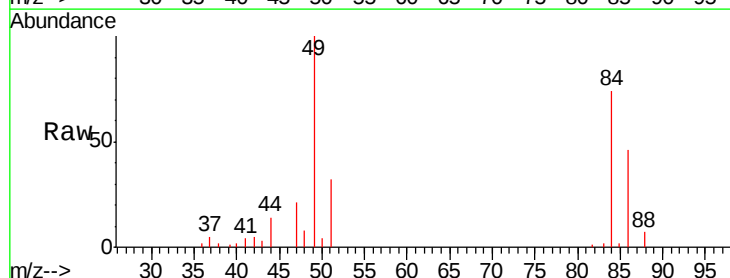
Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-0612-01RE

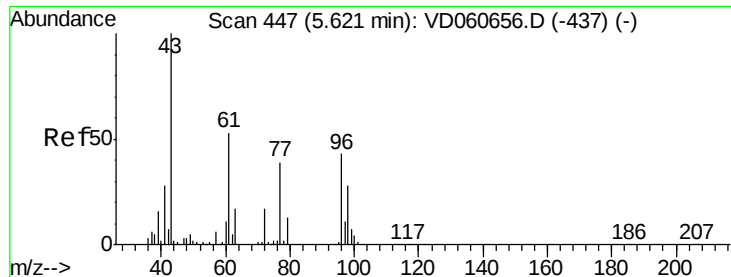
Tgt Ion: 43 Resp: 5381
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 8.034 ug/l
RT: 3.69 min Scan# 250
Delta R.T. -0.04 min
Lab File: VD060738.D
Acq: 27 Dec 2018 20:42

Tgt Ion: 84 Resp: 58658
Ion Ratio Lower Upper
84 100
49 135.8 113.6 170.4
51 42.9 34.7 52.1
86 62.7 52.8 79.2





#25

2-Butanone

Concen: 9.552 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.03 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

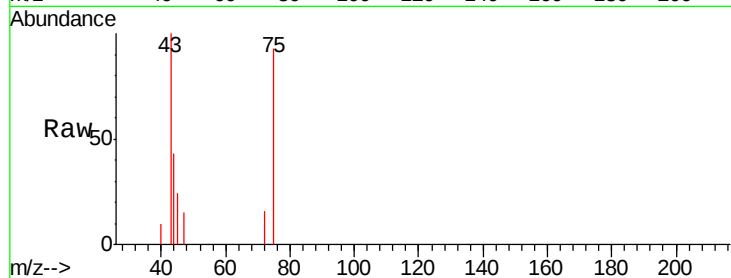
P001-SS025-0612-01RE

Tgt Ion: 43 Resp: 12851

Ion Ratio Lower Upper

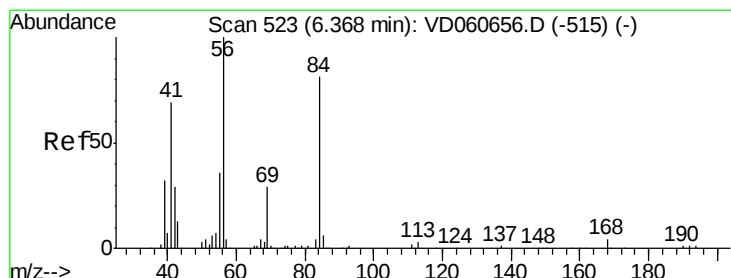
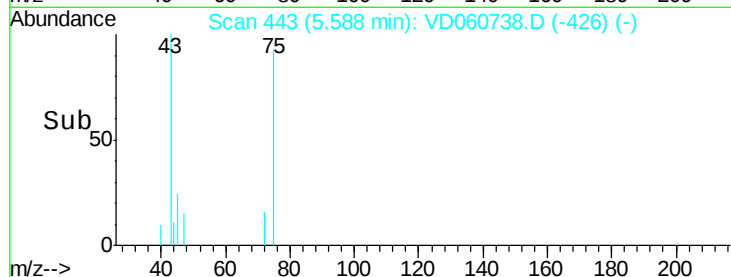
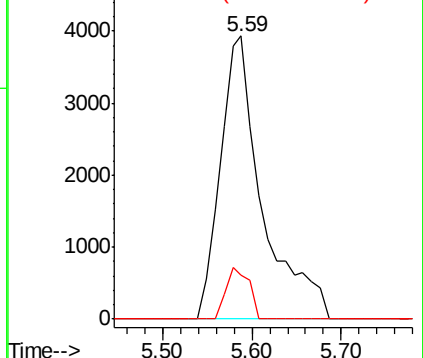
43 100

72 15.7 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.113 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.00 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

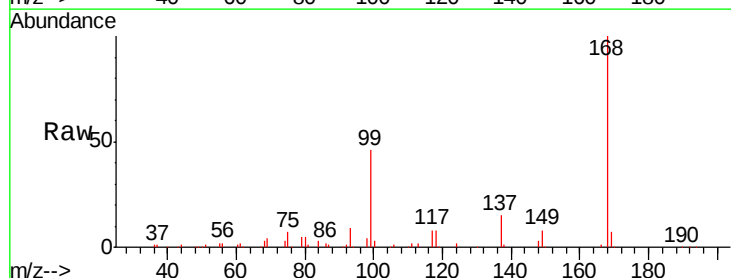
Tgt Ion: 56 Resp: 11317

Ion Ratio Lower Upper

56 100

69 217.9 23.6 35.4#

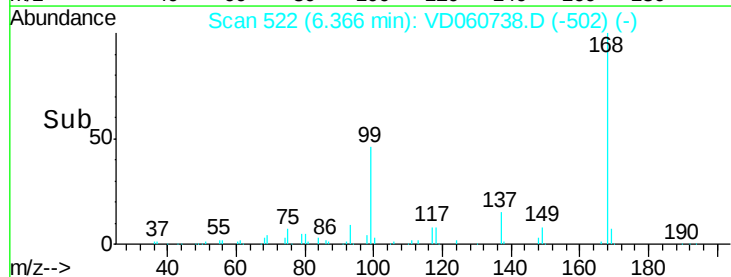
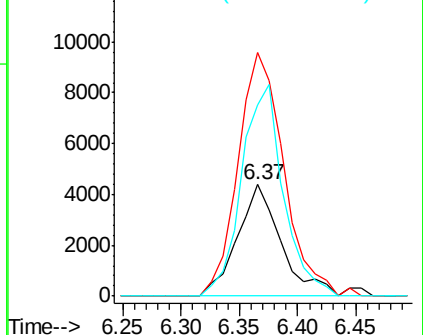
84 171.5 65.8 98.6#

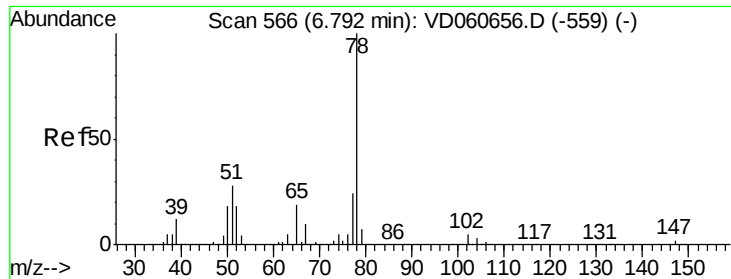


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

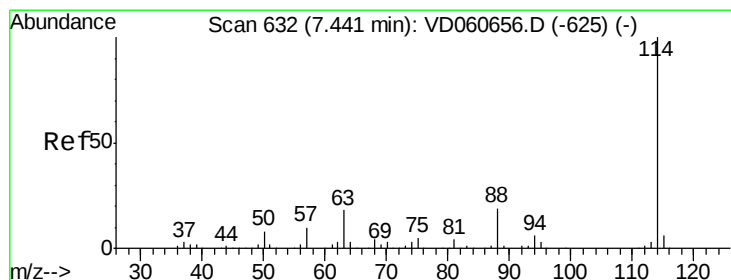
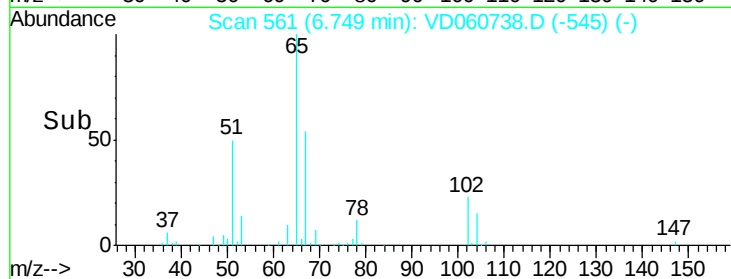
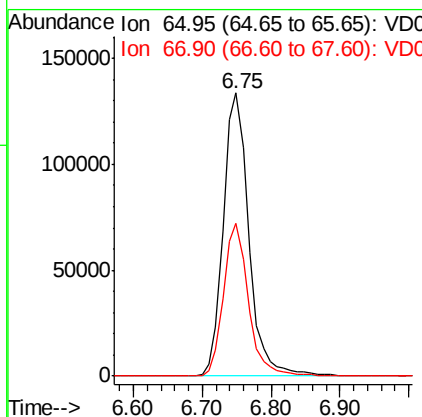
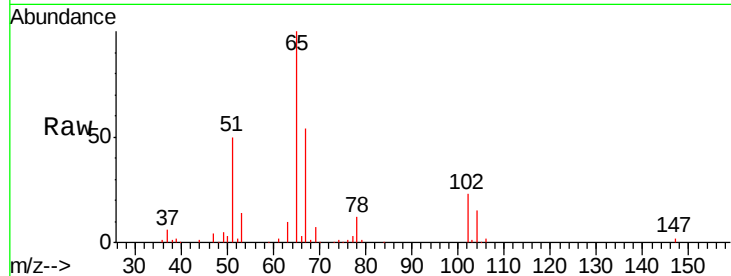




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.75 min Scan# 561
 Delta R.T. -0.04 min
 Lab File: VD060738.D
 Acq: 27 Dec 2018 20:42

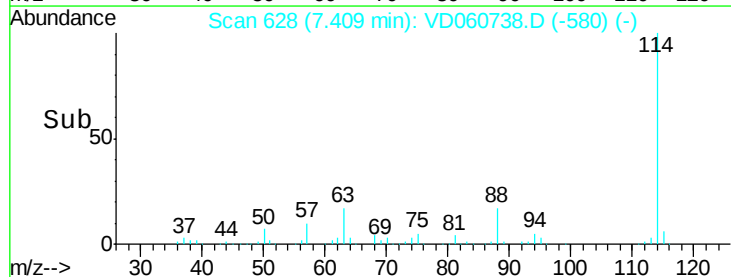
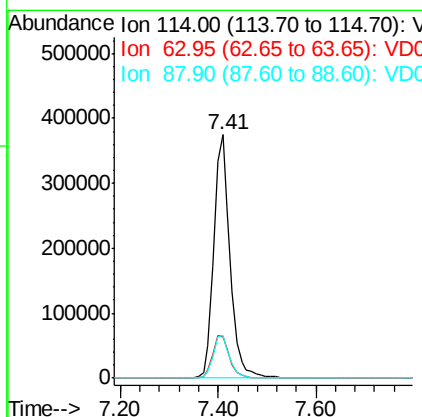
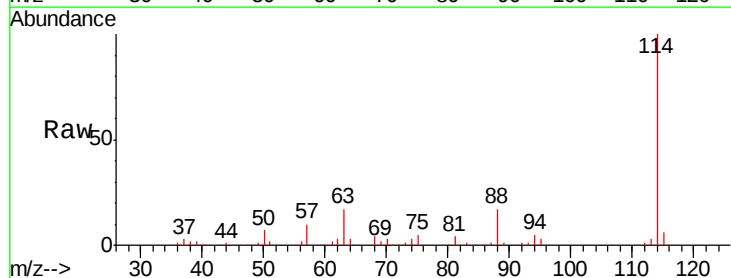
Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-0612-01RE

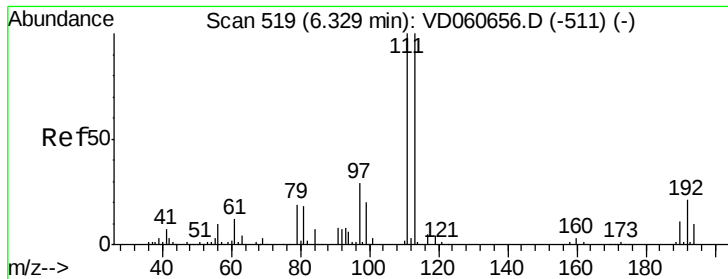
Tgt Ion: 65 Resp: 343212
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 628
 Delta R.T. -0.03 min
 Lab File: VD060738.D
 Acq: 27 Dec 2018 20:42

Tgt Ion: 114 Resp: 866902
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 36.2
 88 17.3 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 514

Delta R.T. -0.04 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-0612-01RE

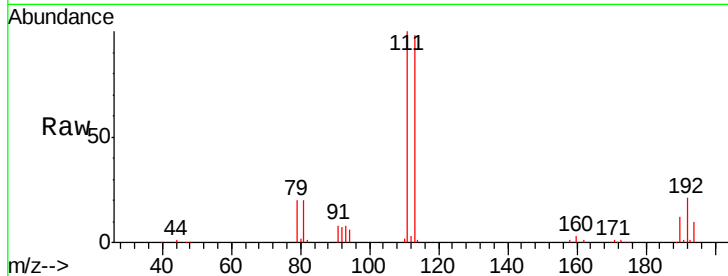
Tgt Ion:113 Resp: 401043

Ion Ratio Lower Upper

113 100

111 101.7 80.0 120.0

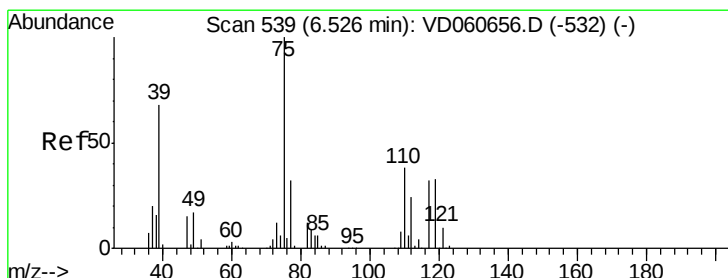
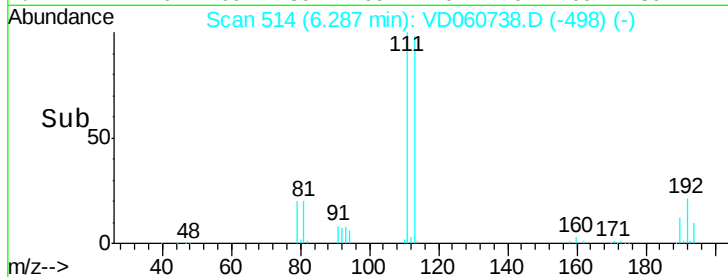
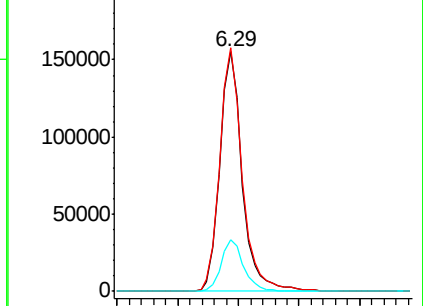
192 21.4 16.6 25.0



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



#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.16 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

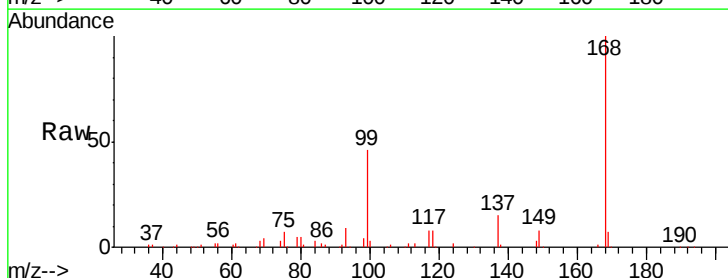
Tgt Ion: 75 Resp: 42536

Ion Ratio Lower Upper

75 100

110 6.5 18.9 56.7#

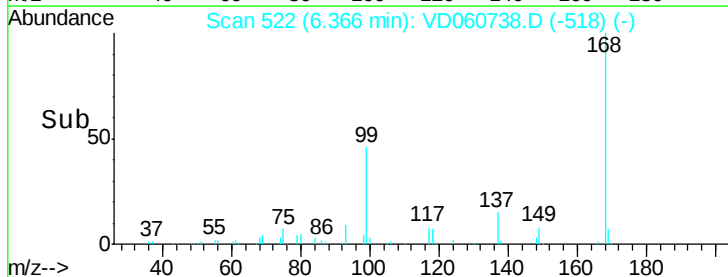
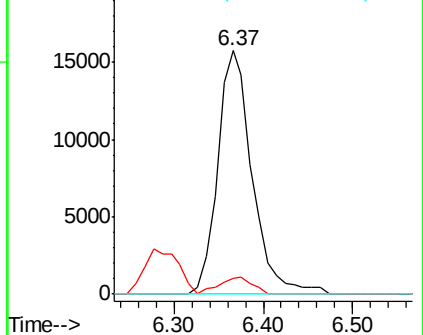
77 0.0 25.4 38.0#

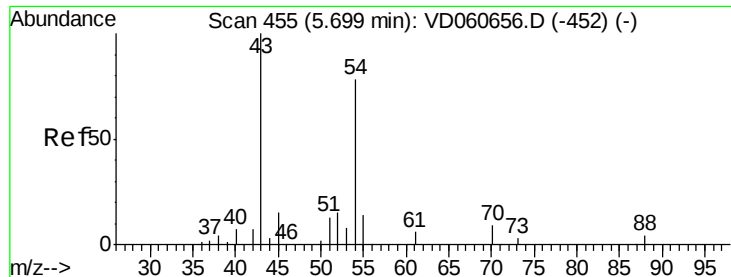


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 3.442 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.11 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-0612-01RE

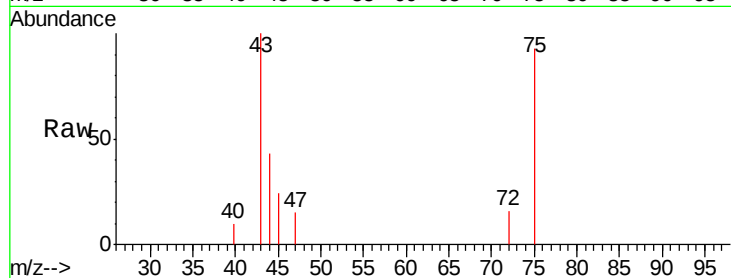
Tgt Ion: 43 Resp: 12851

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

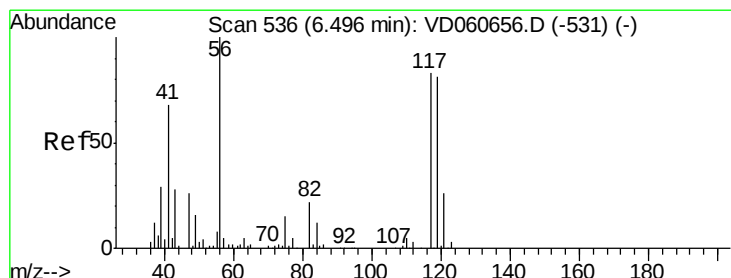
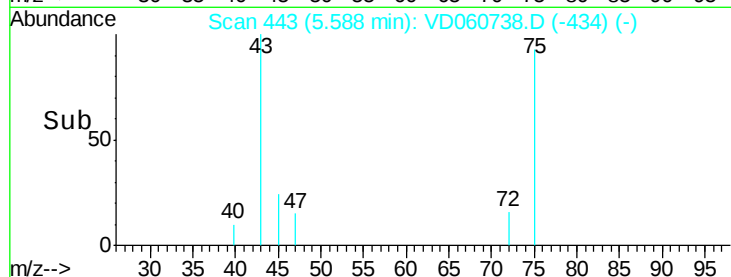
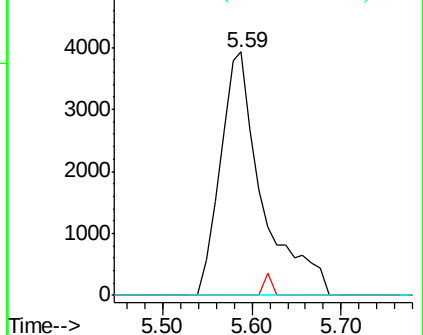
70 0.0 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.597 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.13 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

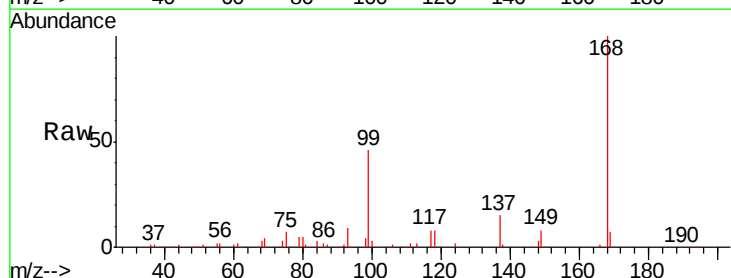
Tgt Ion: 117 Resp: 44081

Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.4#

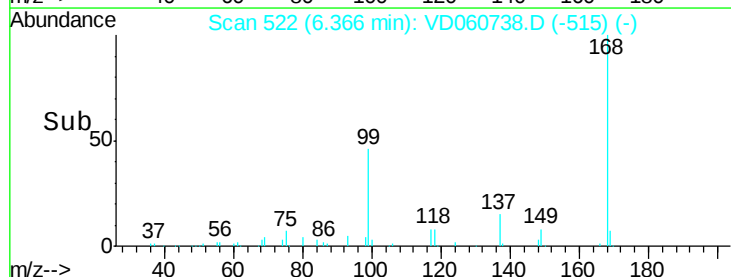
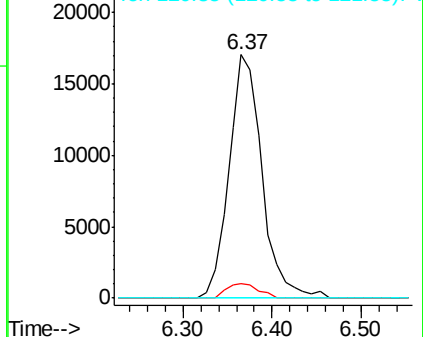
121 0.0 24.7 37.1#

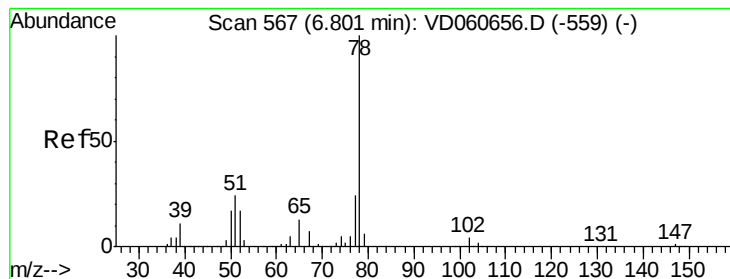


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 1.783 ug/l

RT: 6.76 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

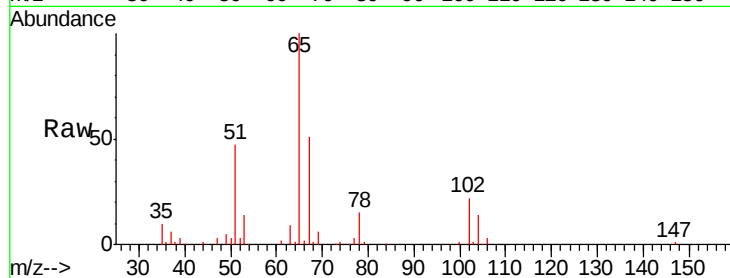
P001-SS025-0612-01RE

Tgt Ion: 78 Resp: 41105

Ion Ratio Lower Upper

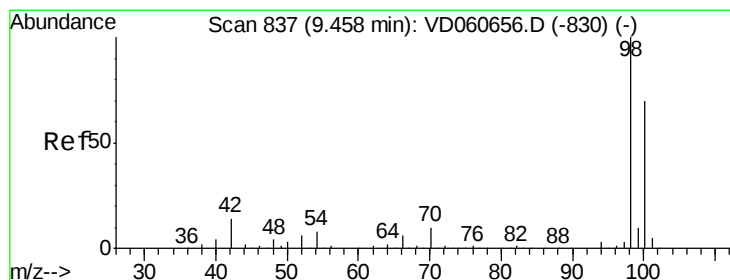
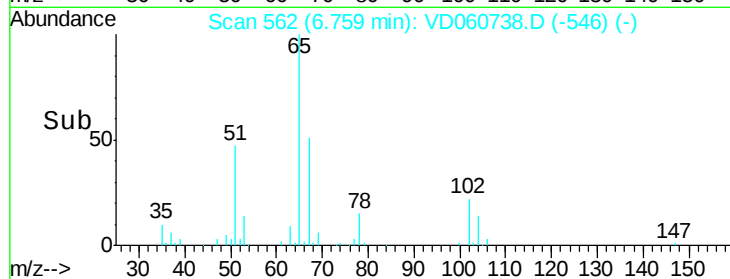
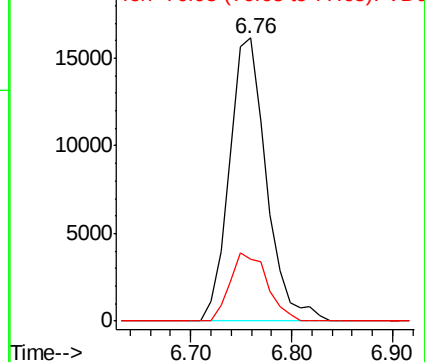
78 100

77 22.0 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 832

Delta R.T. -0.04 min

Lab File: VD060738.D

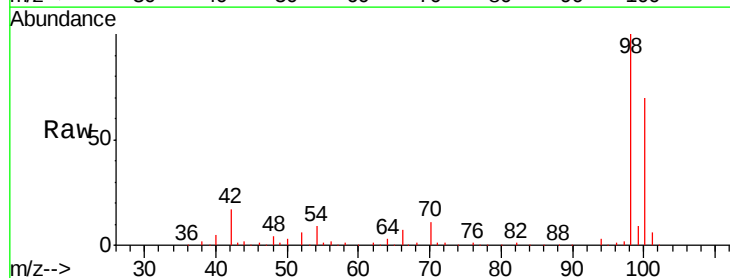
Acq: 27 Dec 2018 20:42

Tgt Ion: 98 Resp: 830230

Ion Ratio Lower Upper

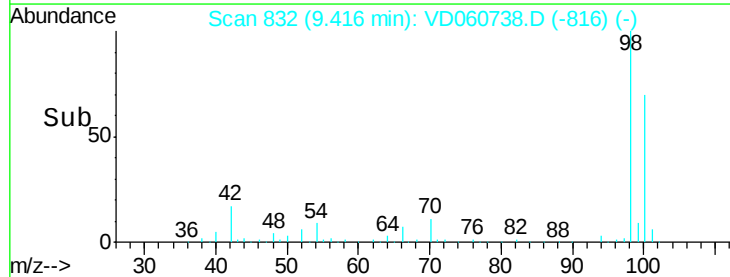
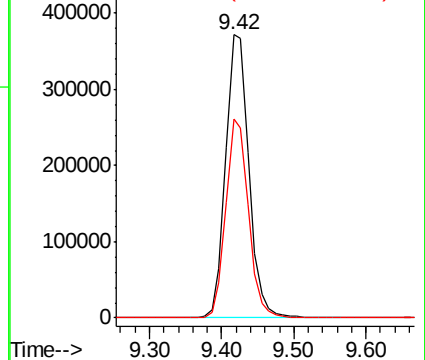
98 100

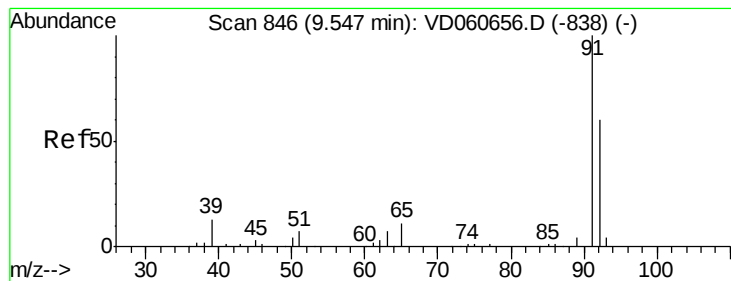
100 70.0 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 2.203 ug/l

RT: 9.51 min Scan# 842

Delta R.T. -0.03 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

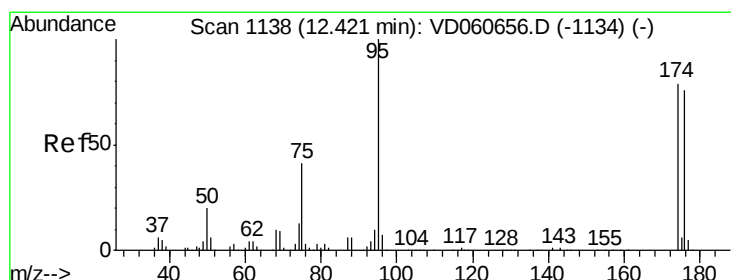
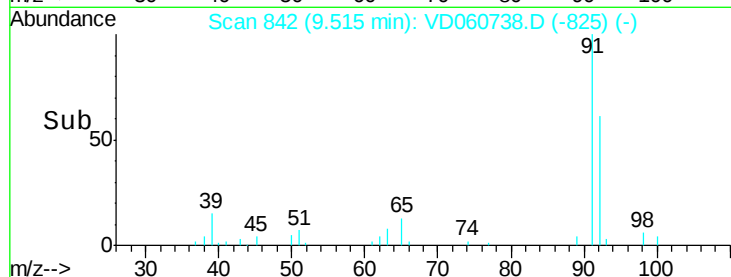
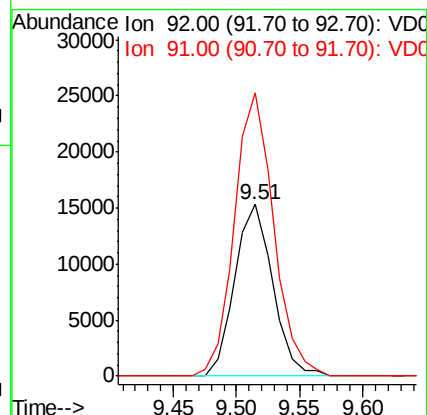
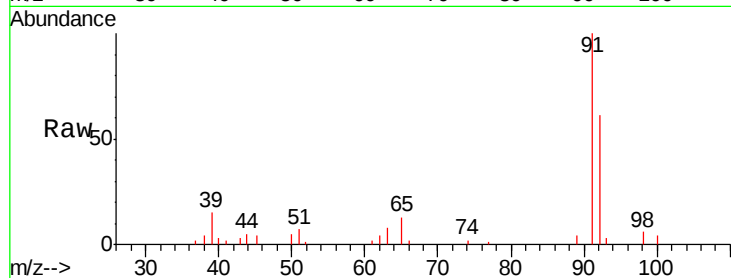
P001-SS025-0612-01RE

Tgt Ion: 92 Resp: 31846

Ion Ratio Lower Upper

92 100

91 165.1 132.6 199.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

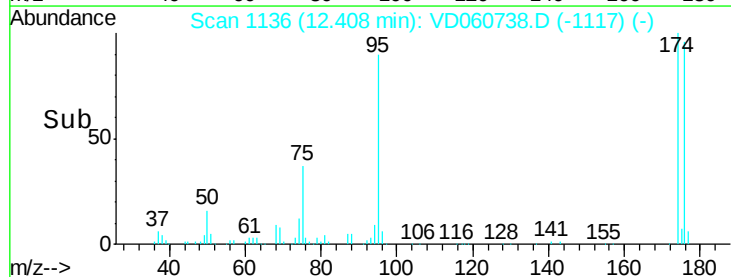
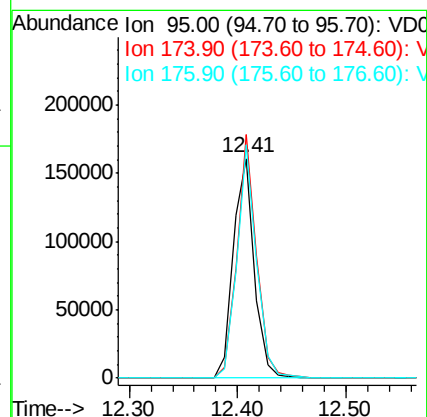
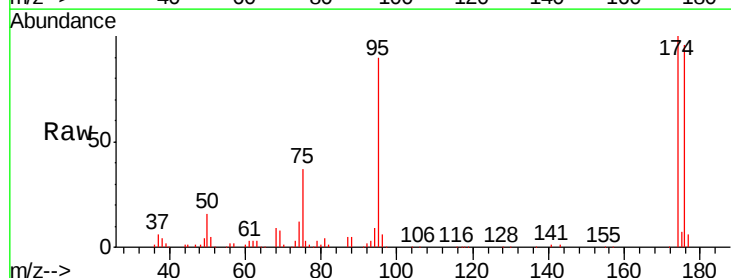
Tgt Ion: 95 Resp: 216254

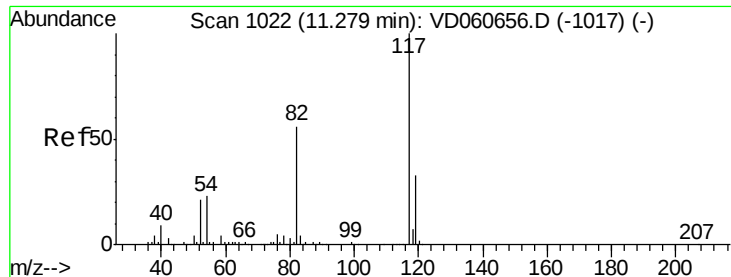
Ion Ratio Lower Upper

95 100

174 111.0 0.0 158.2

176 106.3 0.0 152.4

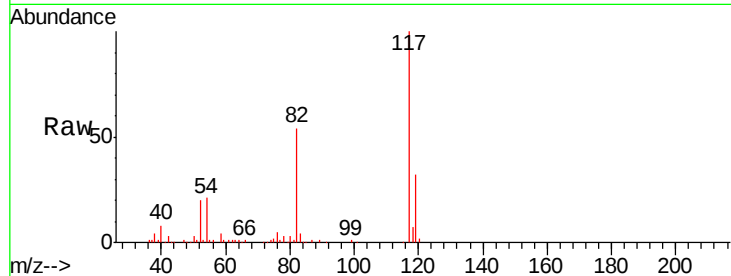




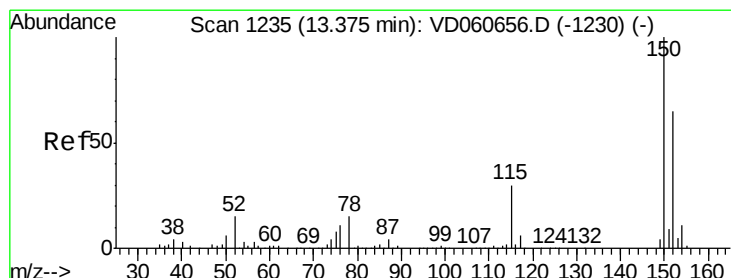
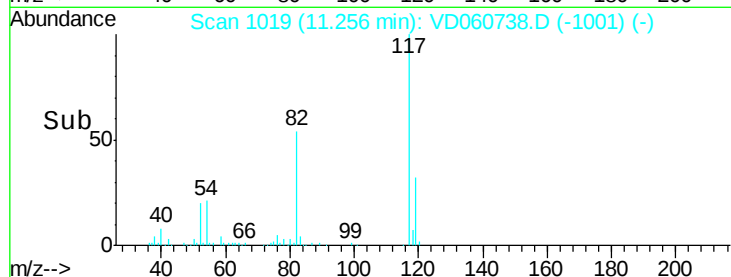
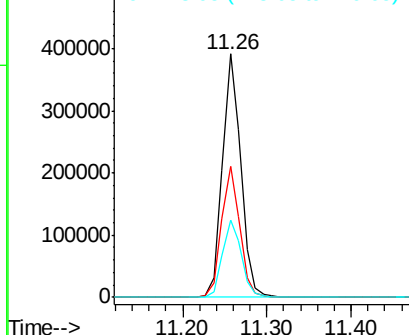
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060738.D
Acq: 27 Dec 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-0612-01RE

Tgt Ion:117 Resp: 594340
Ion Ratio Lower Upper
117 100
82 53.6 44.5 66.7
119 31.5 26.3 39.5

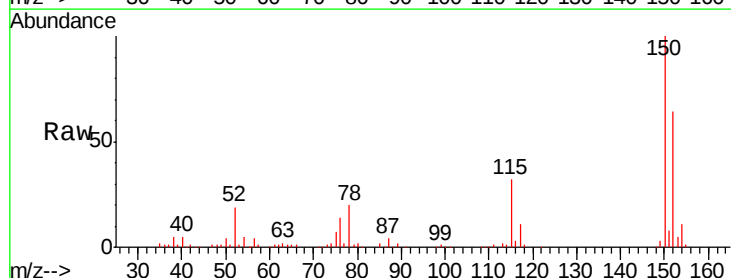


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

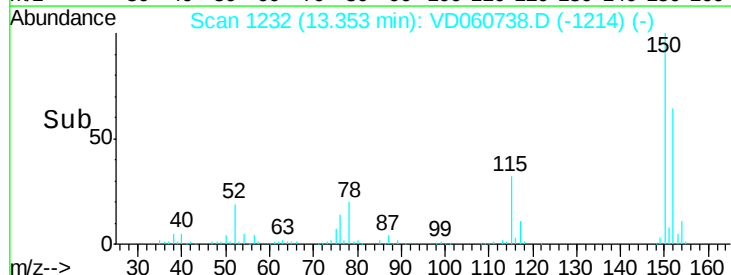
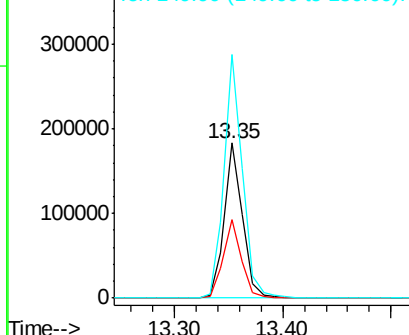


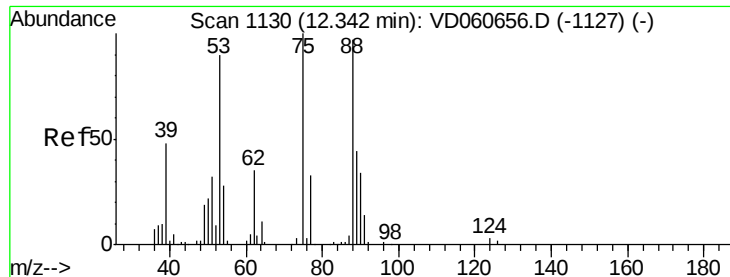
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD060738.D
Acq: 27 Dec 2018 20:42

Tgt Ion:152 Resp: 216034
Ion Ratio Lower Upper
152 100
115 50.9 24.1 72.3
150 157.0 0.0 315.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 135.006 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. 0.07 min

Lab File: VD060738.D

Acq: 27 Dec 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-0612-01RE

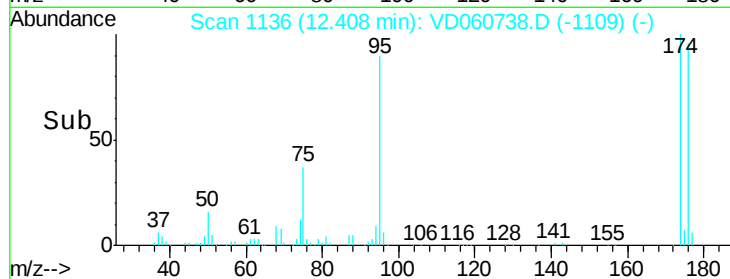
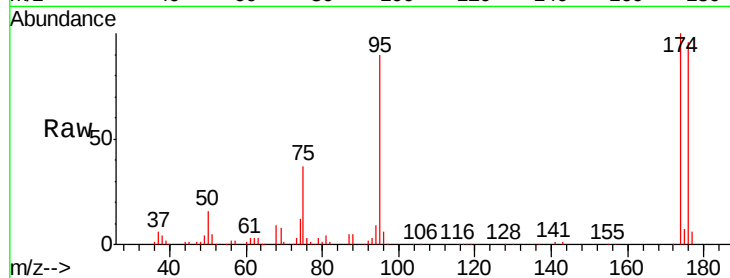
Tgt Ion: 75 Resp: 91753

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

