

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060729.D
 Acq On : 27 Dec 2018 16:31
 Operator : VA/AP
 Sample : J6446-13RE
 Misc : 3.70g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0612-01RE

Quant Time: Dec 28 01:37:51 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

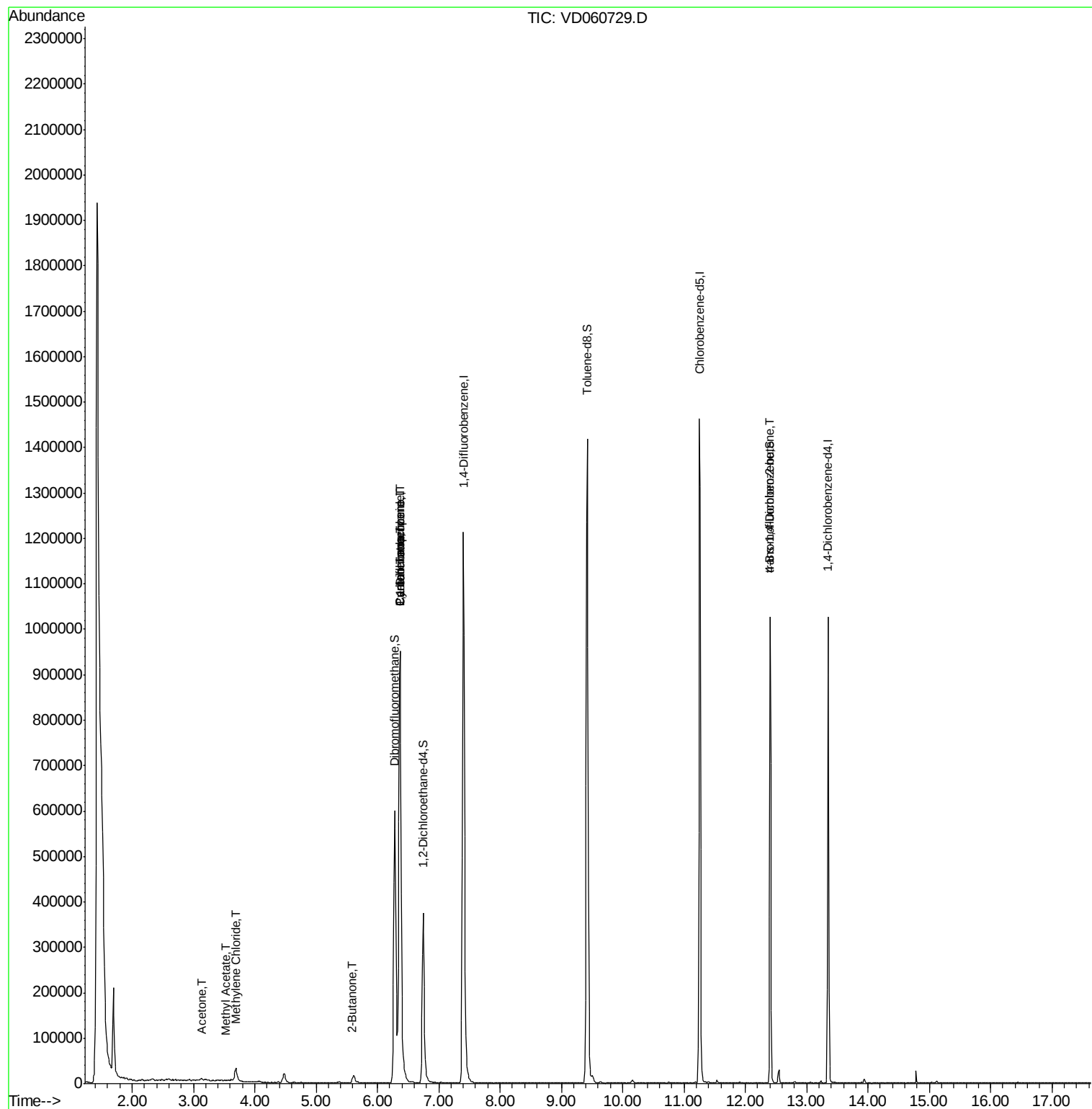
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	981183	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	1293000	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.25	117	813041	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	247453	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.74	65	324821	47.90	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	95.80%	
35) Dibromofluoromethane	6.28	113	483613	51.10	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	102.20%	
50) Toluene-d8	9.42	98	1142911	40.48	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	80.96%	
62) 4-Bromofluorobenzene	12.40	95	269994	27.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	54.60%	
Target Compounds						
16) Acetone	3.13	43	5969	5.041	ug/l	97
18) Methyl Acetate	3.54	43	3810	1.298	ug/l #	63
20) Methylene Chloride	3.68	84	17021	1.384	ug/l	86
25) 2-Butanone	5.58	43	4257	1.879	ug/l #	61
31) Cyclohexane	6.37	56	19206	1.121	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	70037	5.260	ug/l #	46
38) Carbon Tetrachloride	6.37	117	73202	6.232	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.40	75	113631	145.968	ug/l #	13

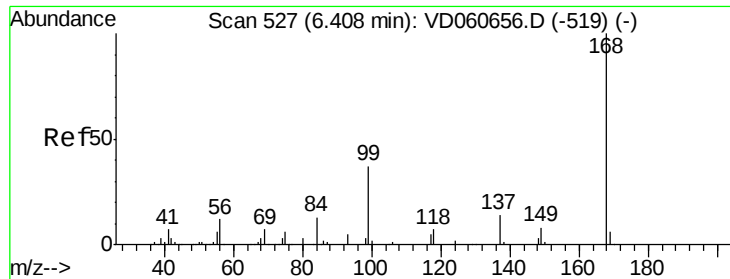
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

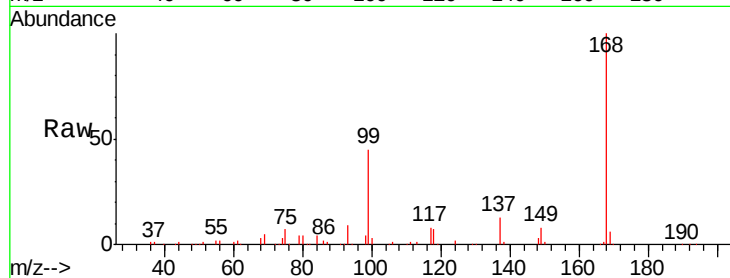
P001-SS022-0612-01RE

Tgt Ion:168 Resp: 981183

Ion Ratio Lower Upper

168 100

99 45.4 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

400000

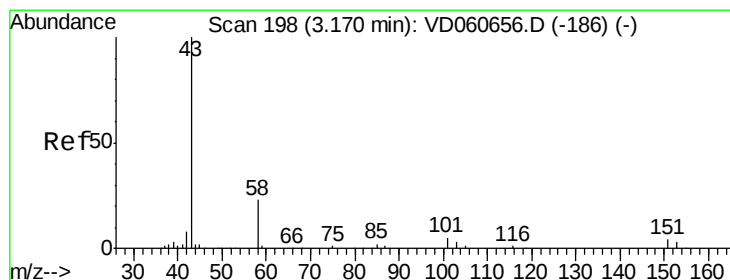
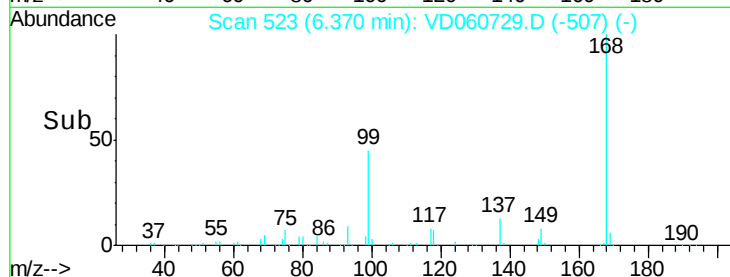
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.041 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060729.D

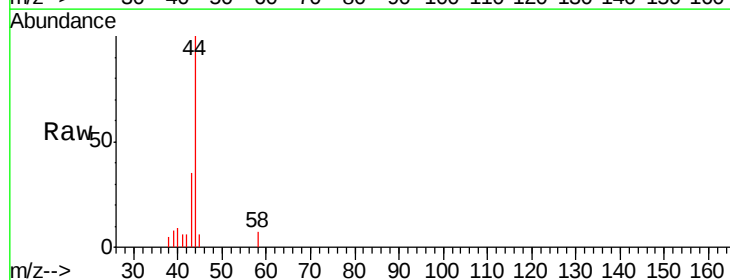
Acq: 27 Dec 2018 16:31

Tgt Ion: 43 Resp: 5969

Ion Ratio Lower Upper

43 100

58 21.1 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

2500

2000

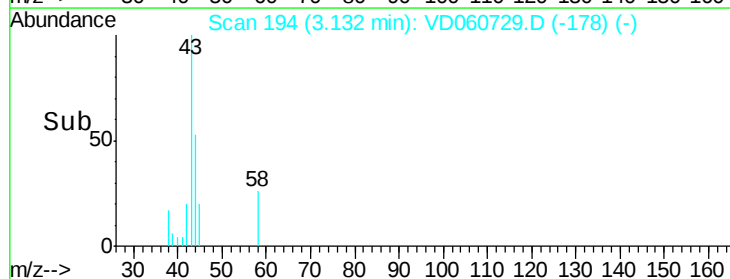
1500

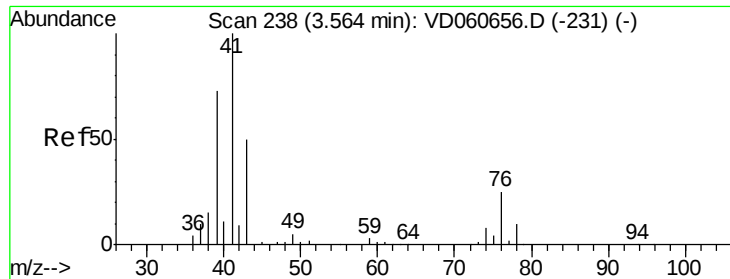
1000

500

0

Time-->

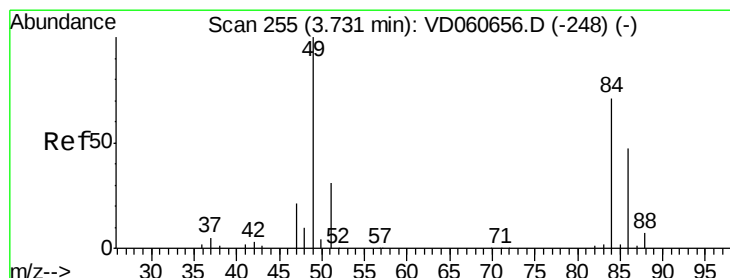
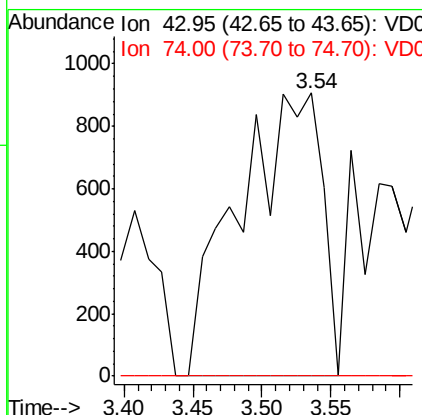
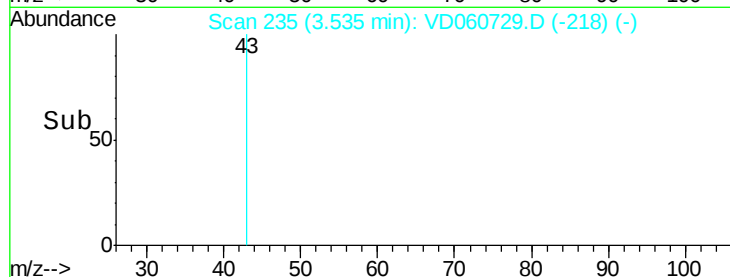
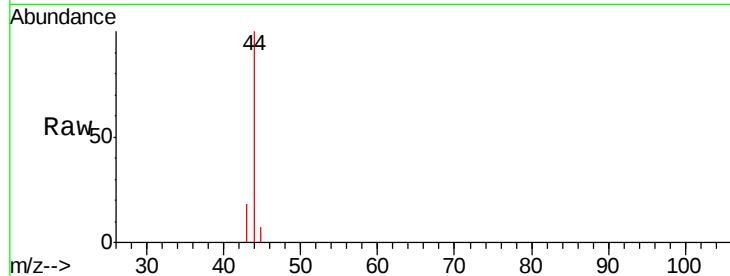




#18
Methyl Acetate
Concen: 1.298 ug/l
RT: 3.54 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD060729.D
Acq: 27 Dec 2018 16:31

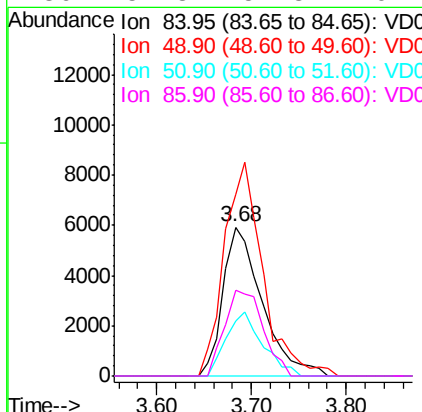
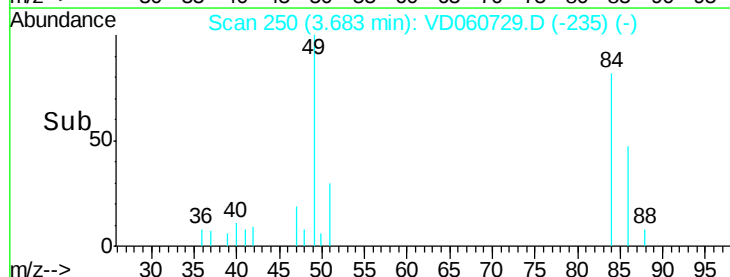
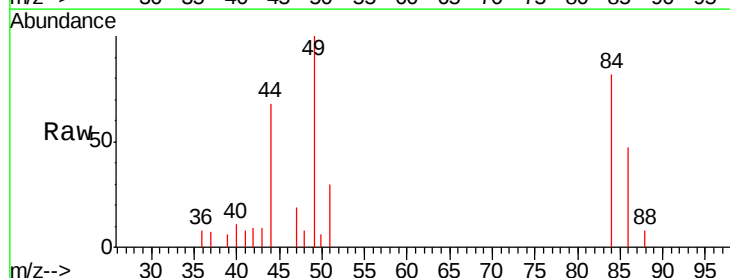
Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-01RE

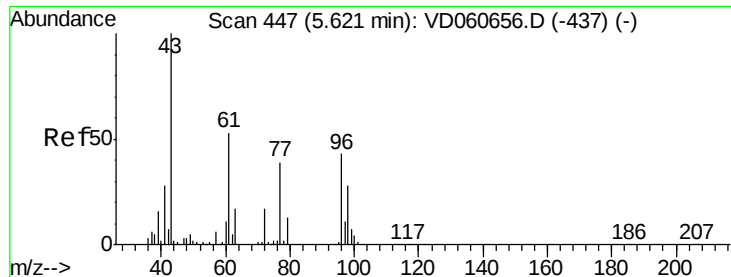
Tgt Ion: 43 Resp: 3810
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 1.384 ug/l
RT: 3.68 min Scan# 250
Delta R.T. -0.05 min
Lab File: VD060729.D
Acq: 27 Dec 2018 16:31

Tgt Ion: 84 Resp: 17021
Ion Ratio Lower Upper
84 100
49 122.1 113.6 170.4
51 36.7 34.7 52.1
86 57.8 52.8 79.2





#25

2-Butanone

Concen: 1.879 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

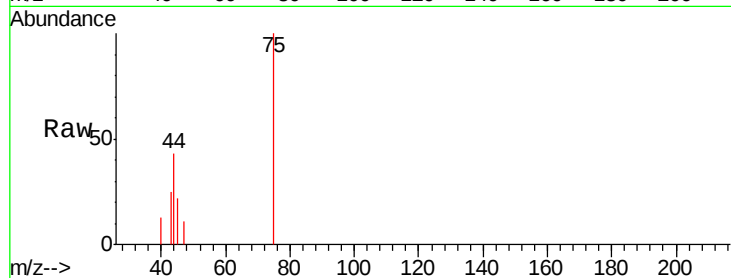
P001-SS022-0612-01RE

Tgt Ion: 43 Resp: 4257

Ion Ratio Lower Upper

43 100

72 0.0 13.7 20.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.58

1000

800

600

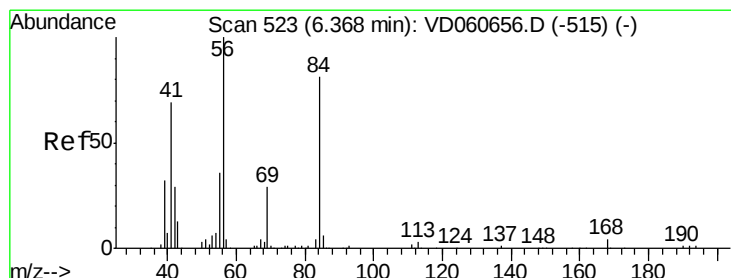
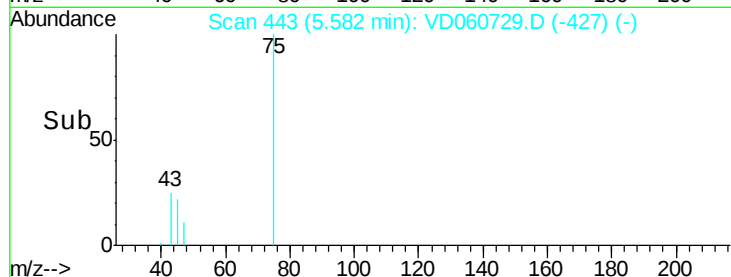
400

200

0

5.50 5.60 5.70

Time-->



#31

Cyclohexane

Concen: 1.121 ug/l

RT: 6.37 min Scan# 523

Delta R.T. 0.00 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

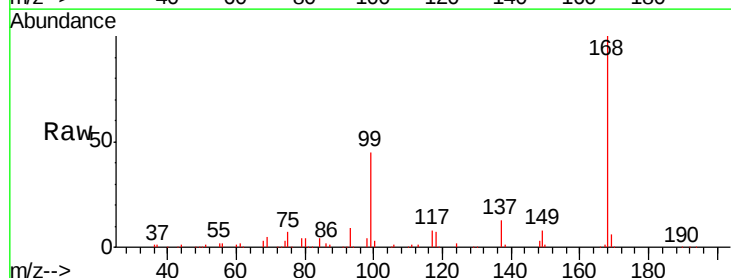
Tgt Ion: 56 Resp: 19206

Ion Ratio Lower Upper

56 100

69 258.8 23.6 35.4#

84 190.3 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

20000

15000

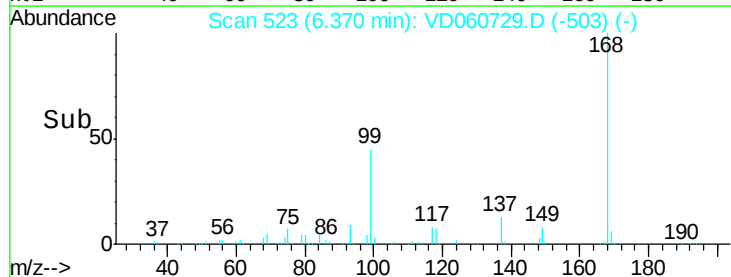
10000

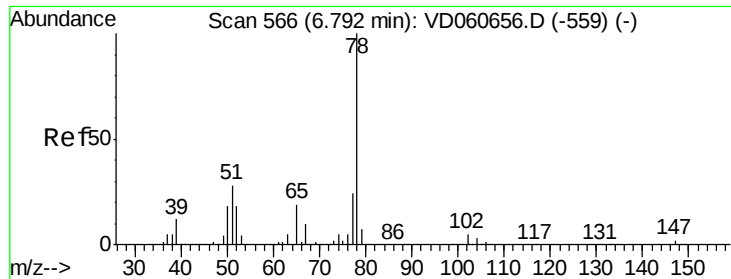
5000

0

6.30 6.40 6.50

Time-->

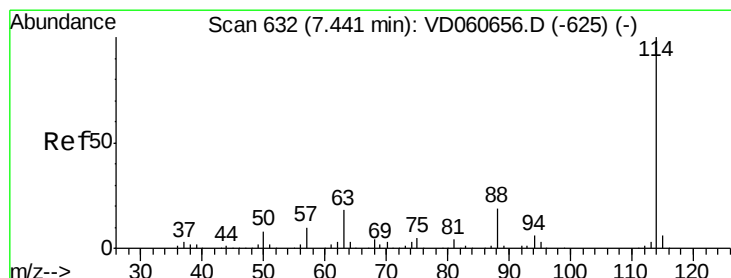
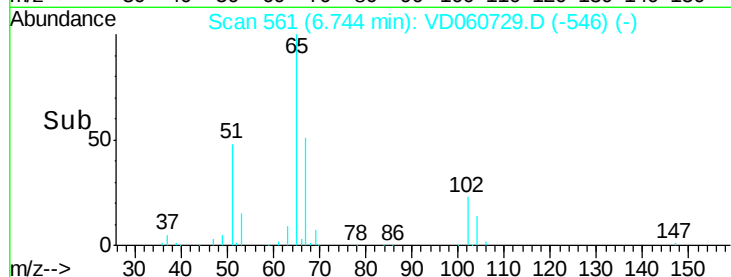
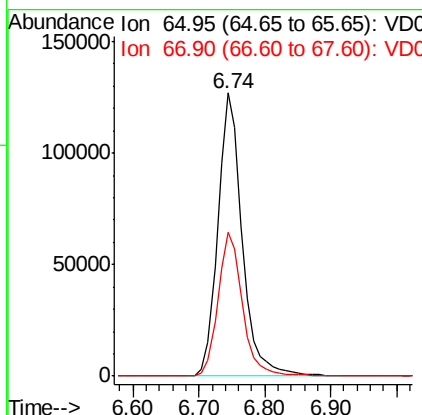
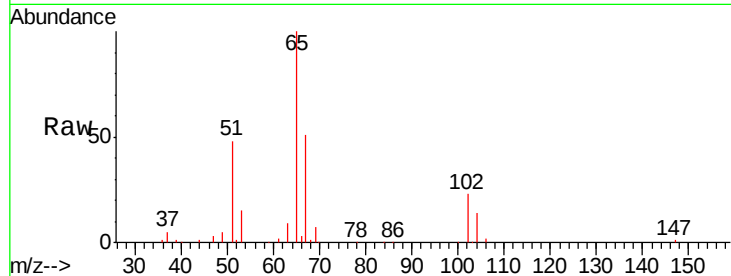




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.74 min Scan# 561
 Delta R.T. -0.05 min
 Lab File: VD060729.D
 Acq: 27 Dec 2018 16:31

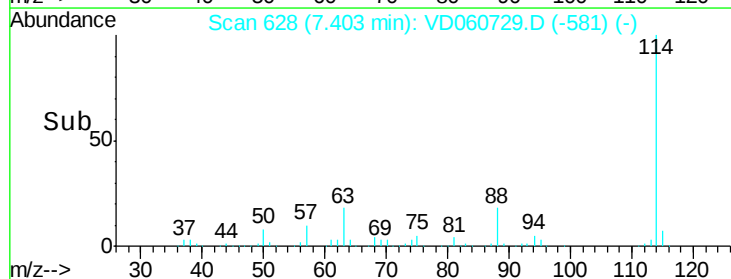
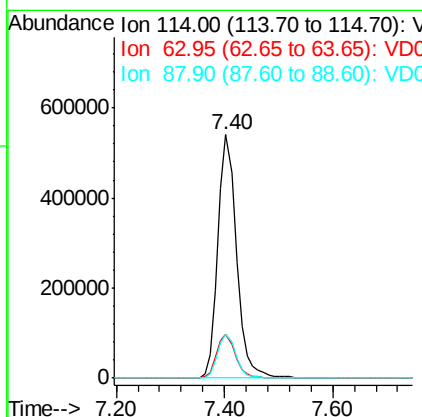
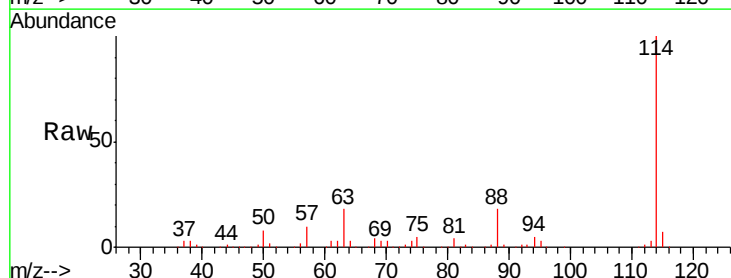
Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0612-01RE

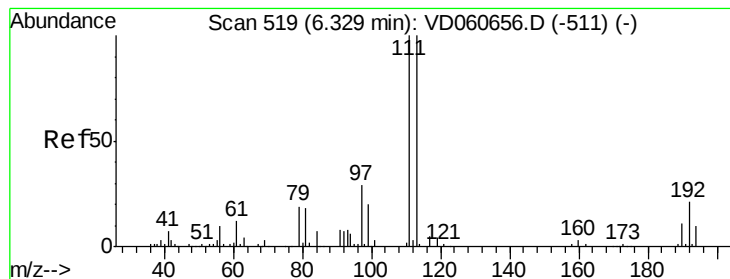
Tgt Ion: 65 Resp: 324821
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.40 min Scan# 628
 Delta R.T. -0.04 min
 Lab File: VD060729.D
 Acq: 27 Dec 2018 16:31

Tgt Ion: 114 Resp: 1293000
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 18.0 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.28 min Scan# 514

Delta R.T. -0.05 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0612-01RE

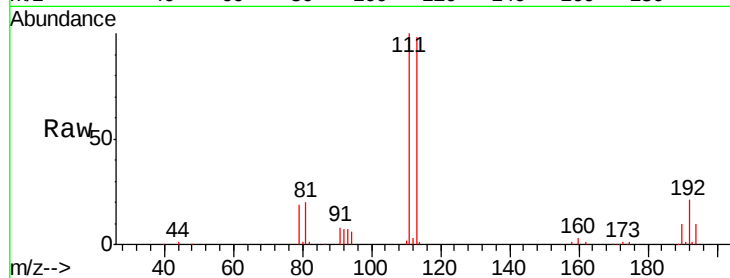
Tgt Ion:113 Resp: 483613

Ion Ratio Lower Upper

113 100

111 102.4 80.0 120.0

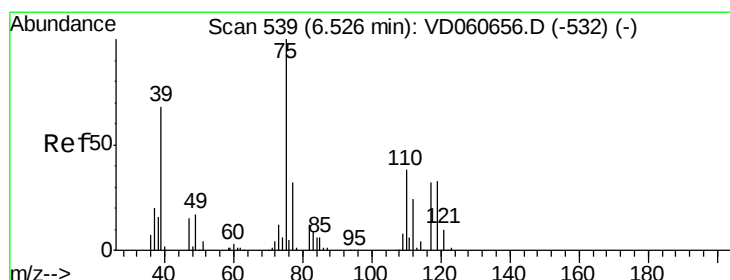
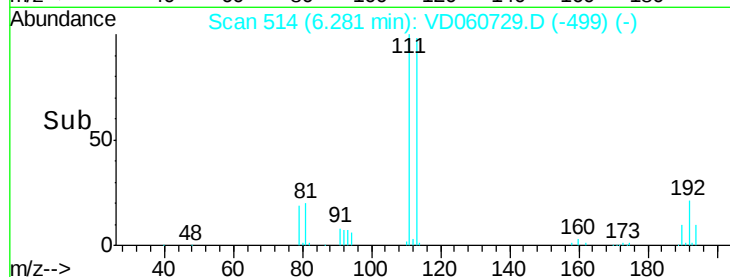
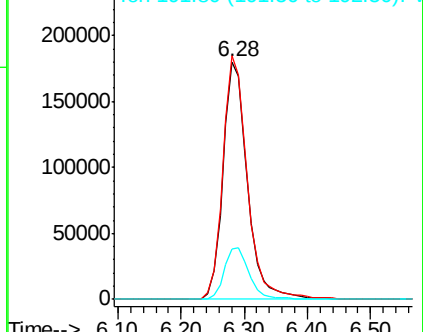
192 21.0 16.6 25.0



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: 5.260 ug/l

RT: 6.36 min Scan# 522

Delta R.T. -0.17 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

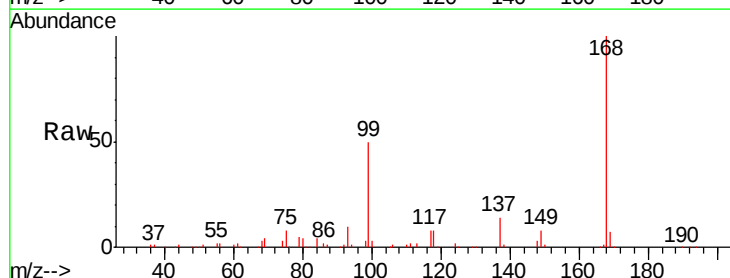
Tgt Ion: 75 Resp: 70037

Ion Ratio Lower Upper

75 100

110 7.2 18.9 56.7#

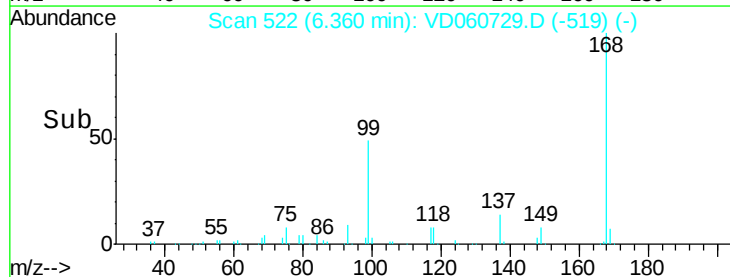
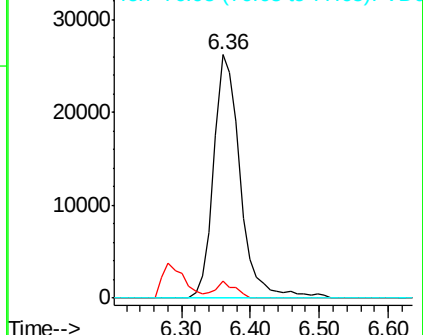
77 0.0 25.4 38.0#

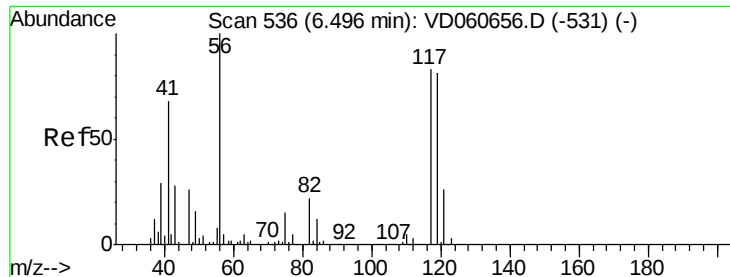


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.232 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.13 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

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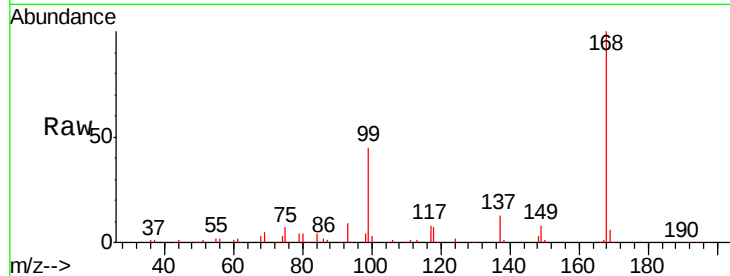
Tgt Ion:117 Resp: 73202

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.4#

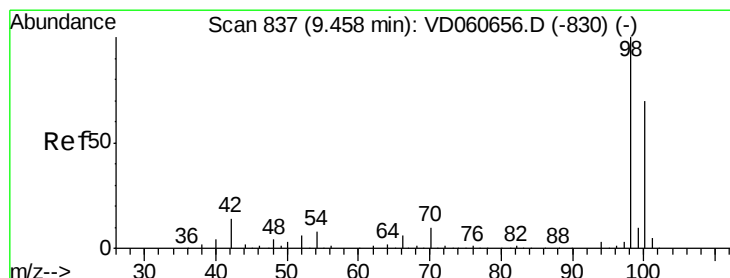
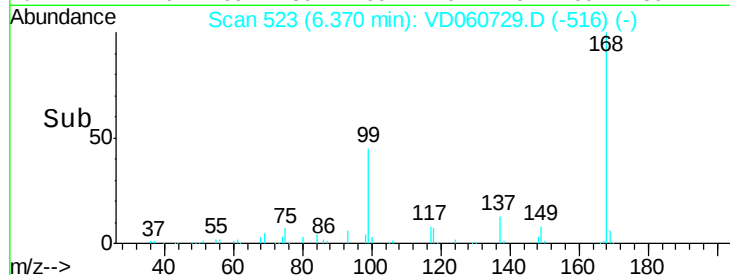
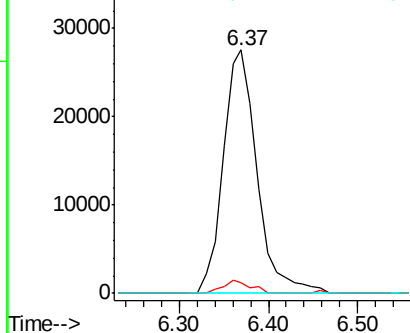
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060729.D

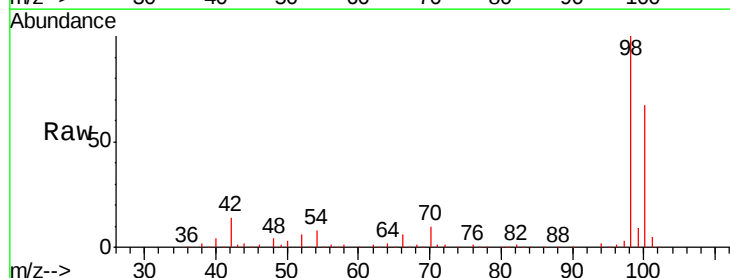
Acq: 27 Dec 2018 16:31

Tgt Ion: 98 Resp: 1142911

Ion Ratio Lower Upper

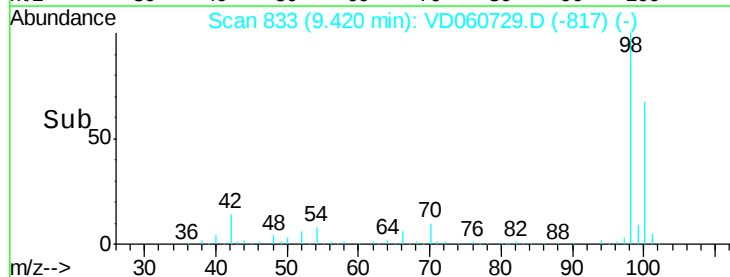
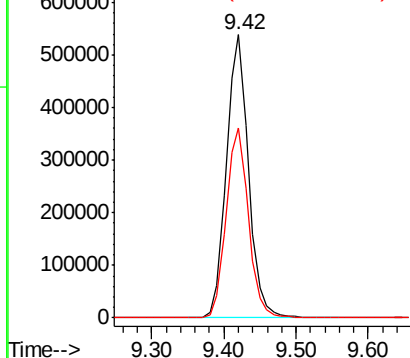
98 100

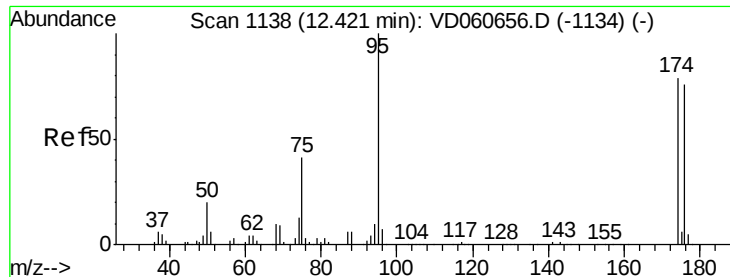
100 67.0 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

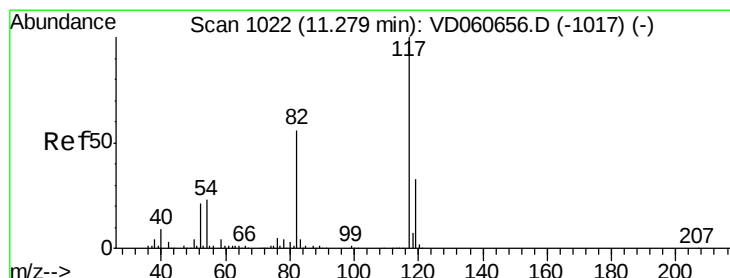
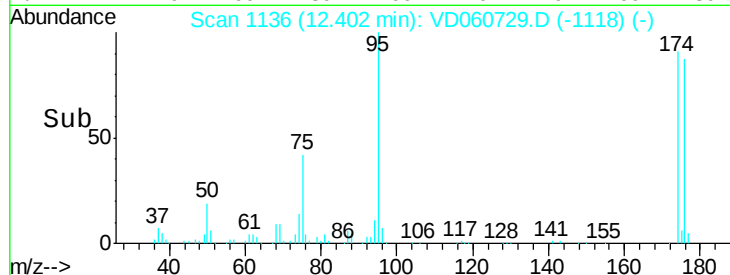
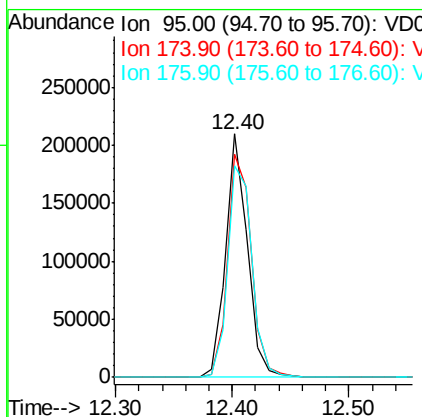
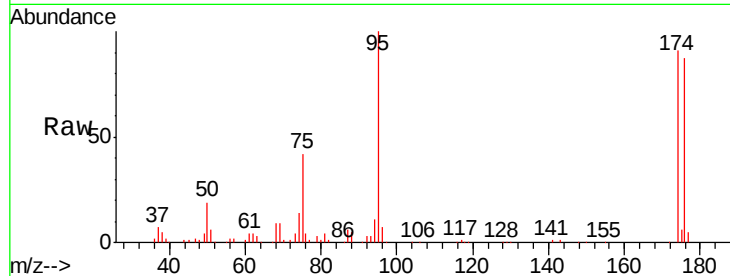




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD060729.D
Acq: 27 Dec 2018 16:31

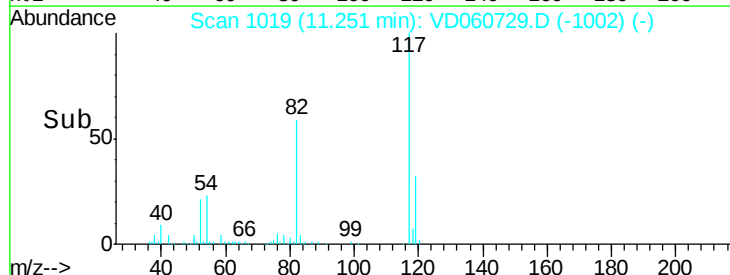
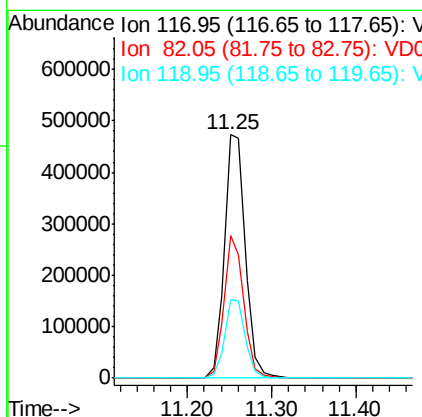
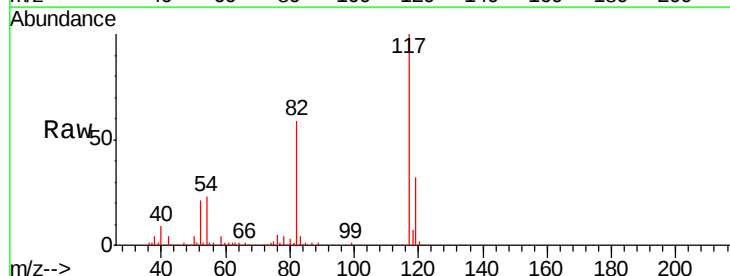
Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-01RE

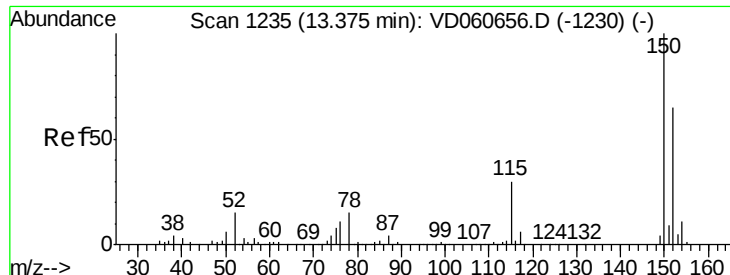
Tgt Ion: 95 Resp: 269994
Ion Ratio Lower Upper
95 100
174 91.4 0.0 158.2
176 87.1 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060729.D
Acq: 27 Dec 2018 16:31

Tgt Ion: 117 Resp: 813041
Ion Ratio Lower Upper
117 100
82 58.8 44.5 66.7
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0612-01RE

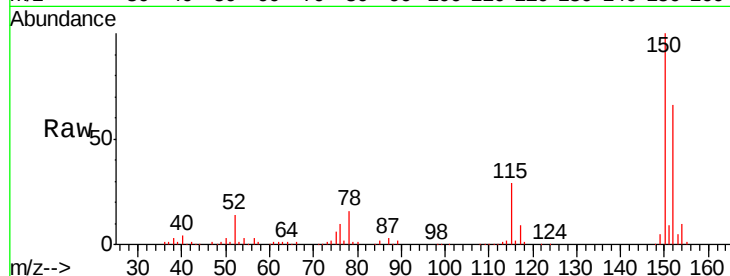
Tgt Ion:152 Resp: 247453

Ion Ratio Lower Upper

152 100

115 43.7 24.1 72.3

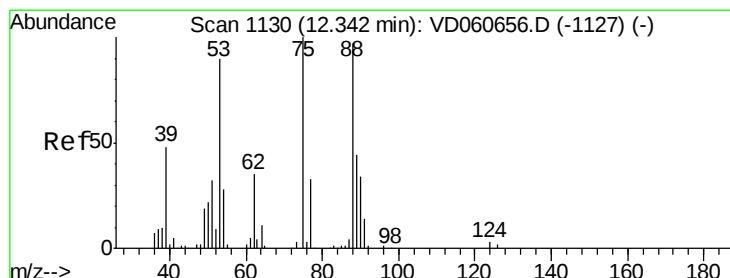
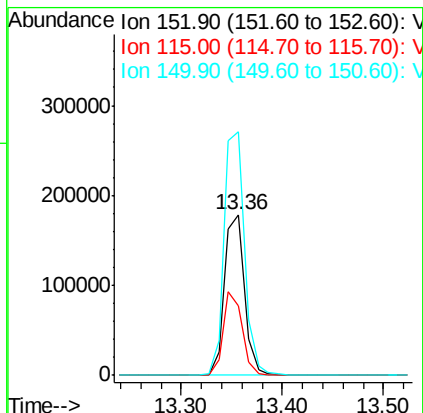
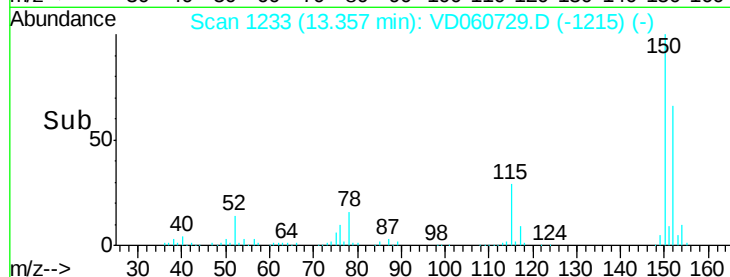
150 151.6 0.0 315.0



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: 145.968 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060729.D

Acq: 27 Dec 2018 16:31

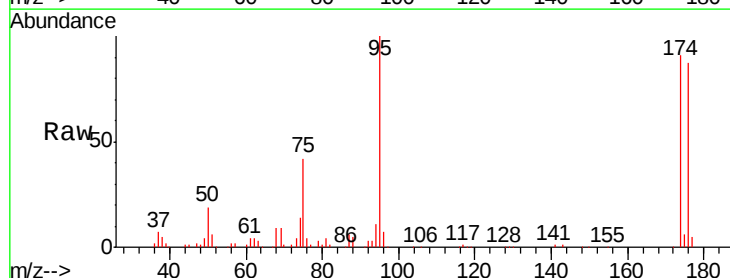
Tgt Ion: 75 Resp: 113631

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

