

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060735.D
 Acq On : 27 Dec 2018 19:18
 Operator : VA/AP
 Sample : J6447-03RE
 Misc : 3.70g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS024-0612-01RE

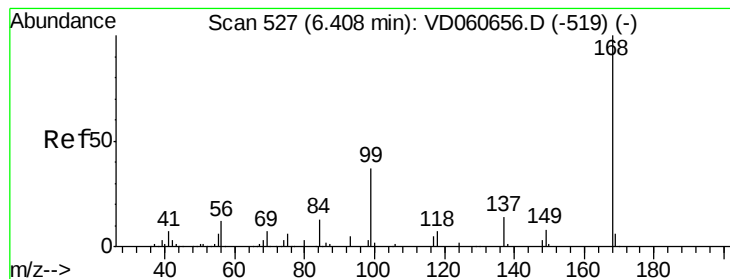
Quant Time: Dec 28 01:38:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	526102	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	795256	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.25	117	534484	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.35	152	180960	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	338716	93.16	ug/l	-0.04
Spiked Amount			Recovery	=	186.32%	
35) Dibromofluoromethane	6.29	113	384815	66.11	ug/l	-0.04
Spiked Amount			Recovery	=	132.22%	
50) Toluene-d8	9.41	98	765139	44.06	ug/l	-0.04
Spiked Amount			Recovery	=	88.12%	
62) 4-Bromofluorobenzene	12.41	95	202590	33.31	ug/l	-0.01
Spiked Amount			Recovery	=	66.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.11	56	208	1.343	ug/l #	14
16) Acetone	3.14	43	177446	279.473	ug/l	95
18) Methyl Acetate	3.54	43	3074	1.954	ug/l #	63
20) Methylene Chloride	3.70	84	39207	5.946	ug/l	98
25) 2-Butanone	5.59	43	6512	5.360	ug/l	99
31) Cyclohexane	6.36	56	9364	1.020	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	38938	4.755	ug/l #	48
37) Ethyl Acetate	5.59	43	6512	1.901	ug/l #	69
38) Carbon Tetrachloride	6.37	117	41028	5.679	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	85342	149.911	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.03 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

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MSVOA_D

ClientSampleId :

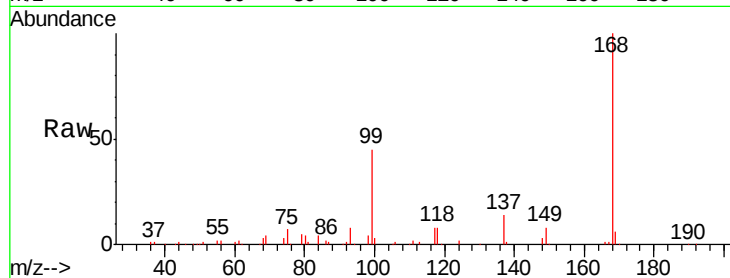
P001-SS024-0612-01RE

Tgt Ion:168 Resp: 526102

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

200000

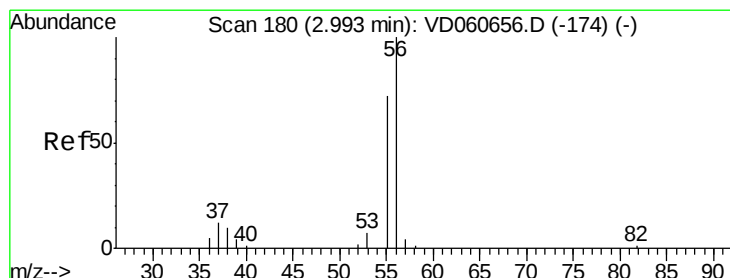
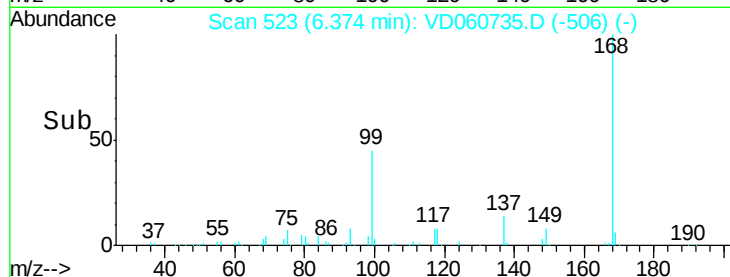
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.343 ug/l

RT: 3.11 min Scan# 191

Delta R.T. 0.11 min

Lab File: VD060735.D

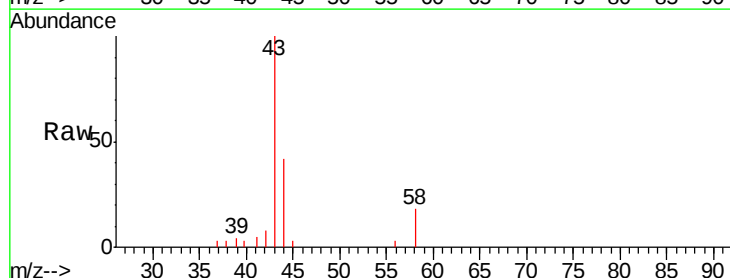
Acq: 27 Dec 2018 19:18

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.11

400

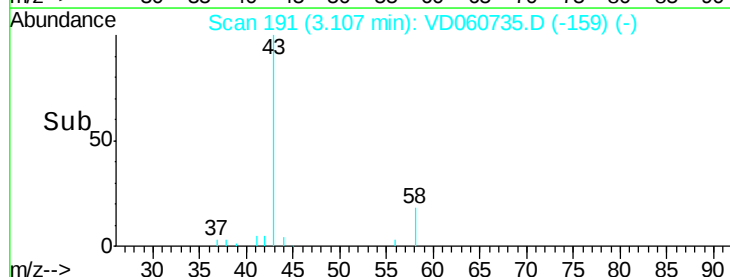
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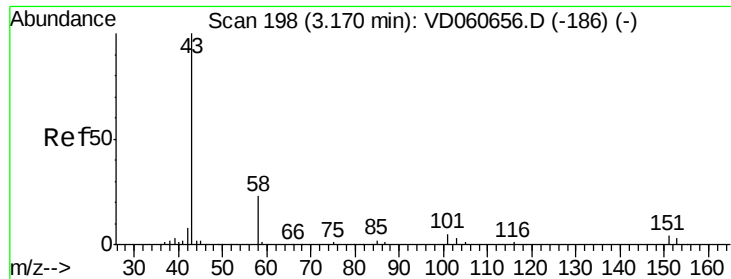
200

100

0

Time-->





#16

Acetone

Concen: 279.473 ug/l

RT: 3.14 min Scan# 194

Delta R.T. -0.03 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

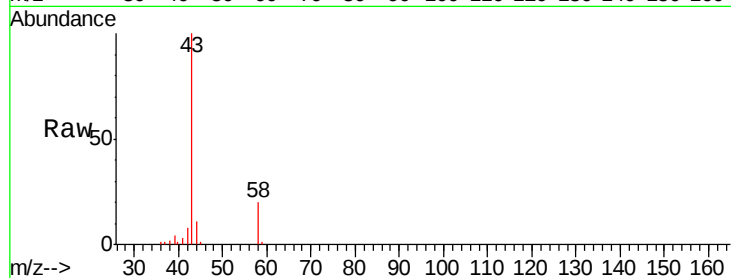
P001-SS024-0612-01RE

Tgt Ion: 43 Resp: 177446

Ion Ratio Lower Upper

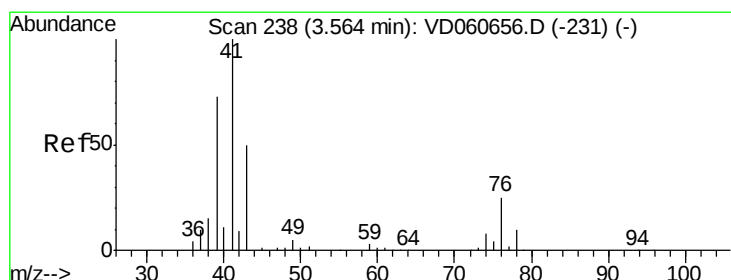
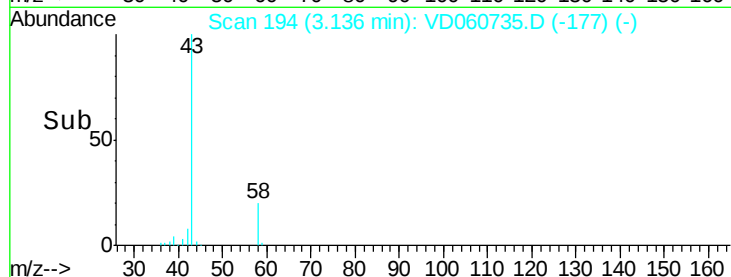
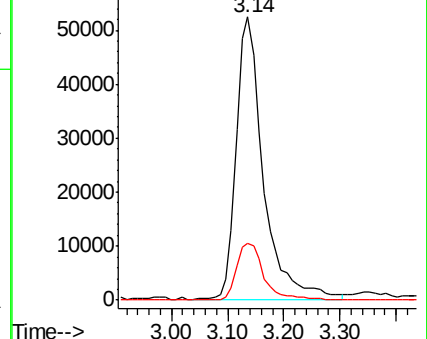
43 100

58 20.2 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.954 ug/l

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VD060735.D

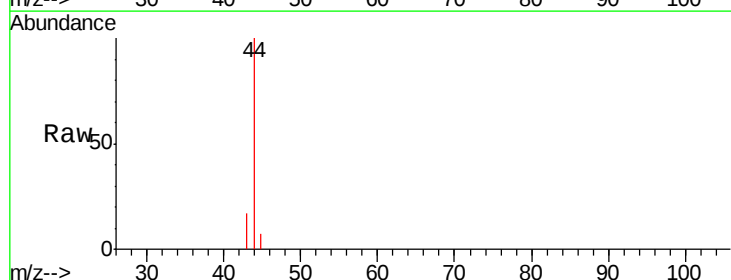
Acq: 27 Dec 2018 19:18

Tgt Ion: 43 Resp: 3074

Ion Ratio Lower Upper

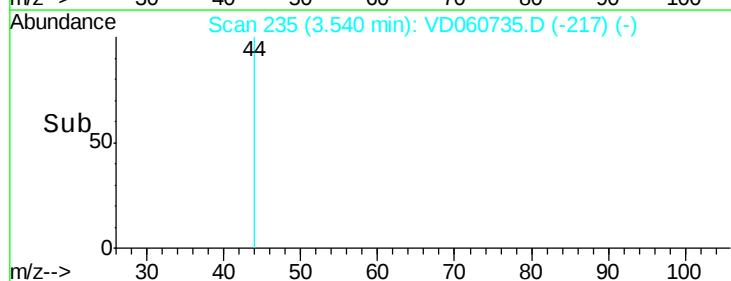
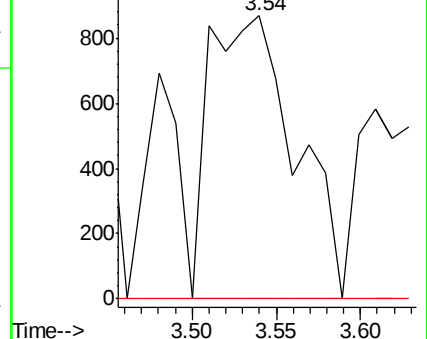
43 100

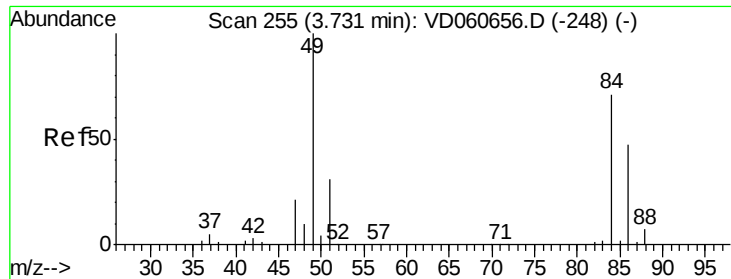
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

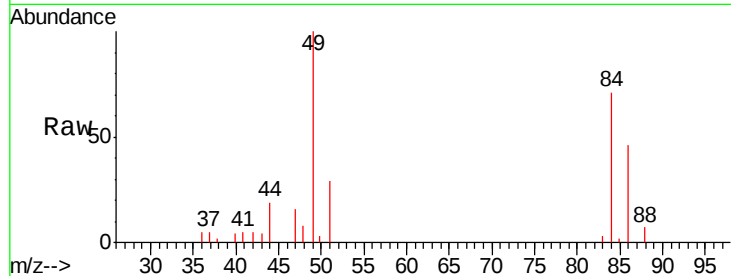




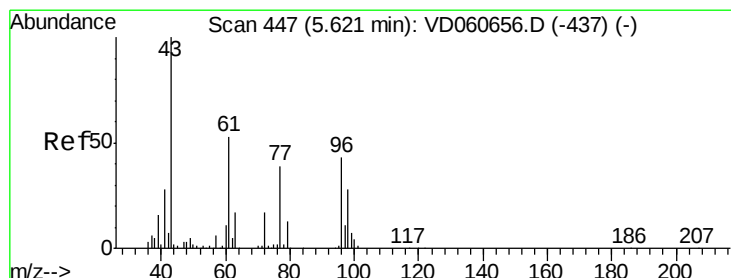
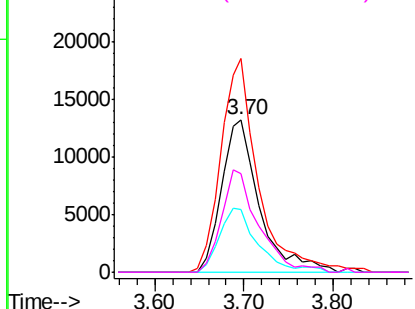
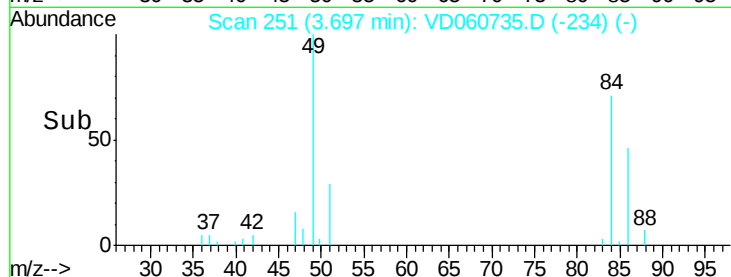
#20
Methylene Chloride
Concen: 5.946 ug/l
RT: 3.70 min Scan# 251
Delta R.T. -0.03 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0612-01RE

Tgt Ion: 84 Resp: 39207
Ion Ratio Lower Upper
84 100
49 139.9 113.6 170.4
51 41.0 34.7 52.1
86 64.4 52.8 79.2

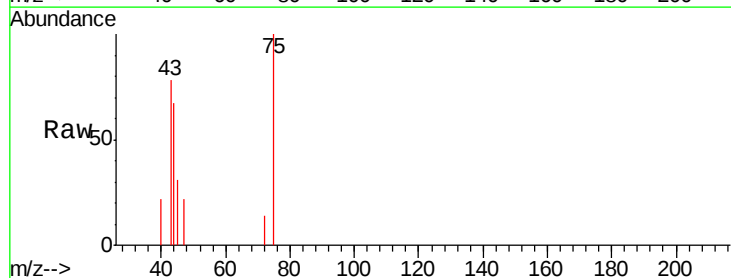


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

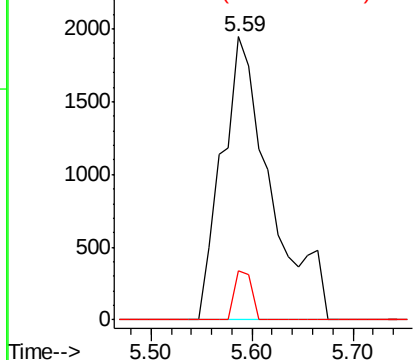
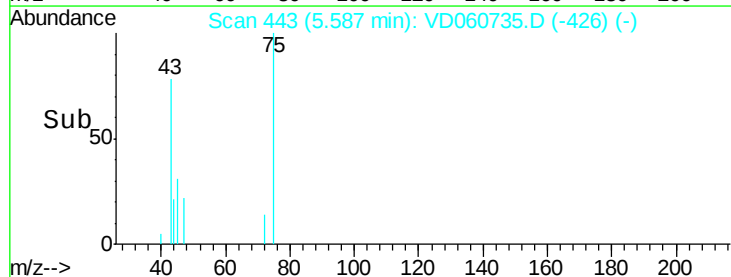


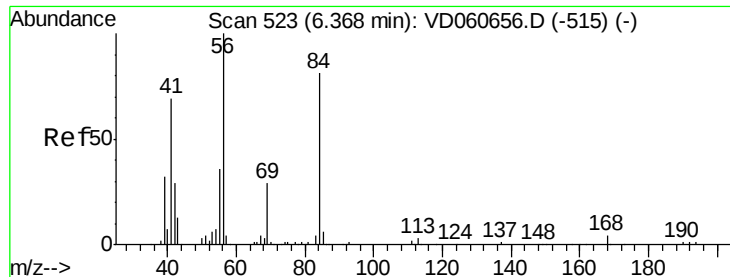
#25
2-Butanone
Concen: 5.360 ug/l
RT: 5.59 min Scan# 443
Delta R.T. -0.03 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Tgt Ion: 43 Resp: 6512
Ion Ratio Lower Upper
43 100
72 17.5 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

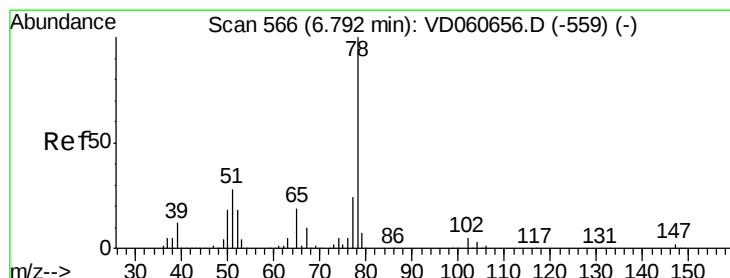
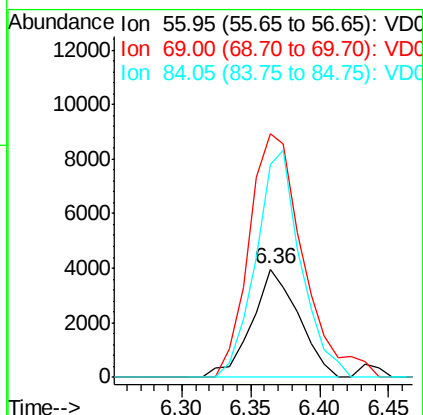
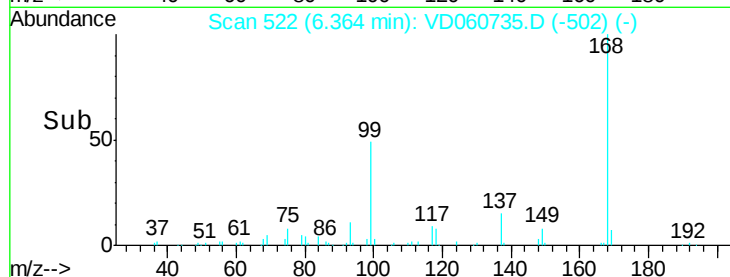
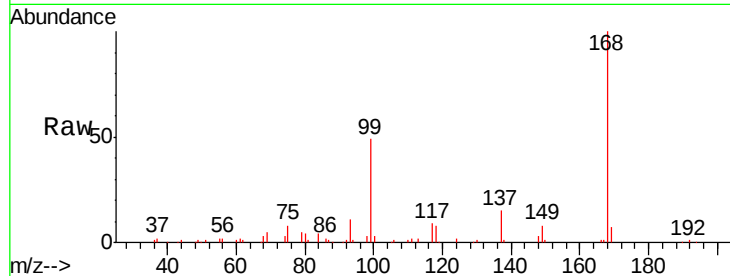




#31
Cyclohexane
Concen: 1.020 ug/l
RT: 6.36 min Scan# 522
Delta R.T. -0.00 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

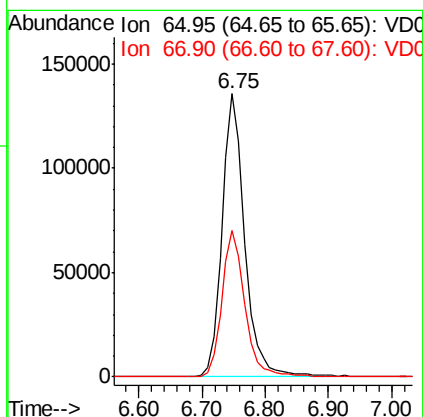
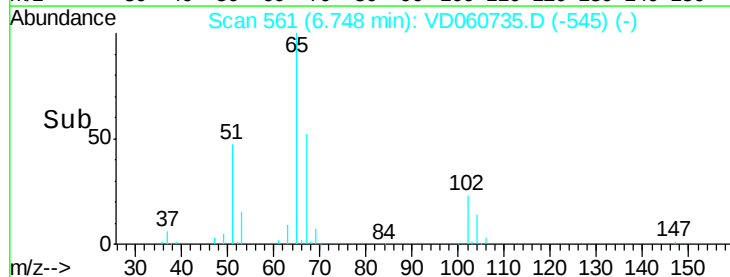
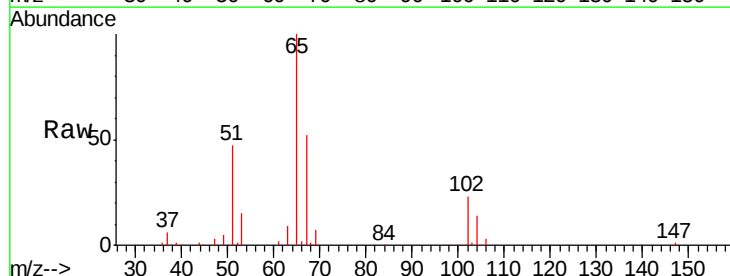
Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0612-01RE

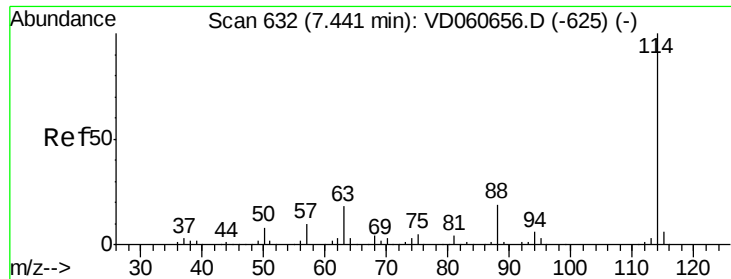
Tgt Ion: 56 Resp: 9364
Ion Ratio Lower Upper
56 100
69 225.2 23.6 35.4#
84 196.7 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 561
Delta R.T. -0.04 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Tgt Ion: 65 Resp: 338716
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

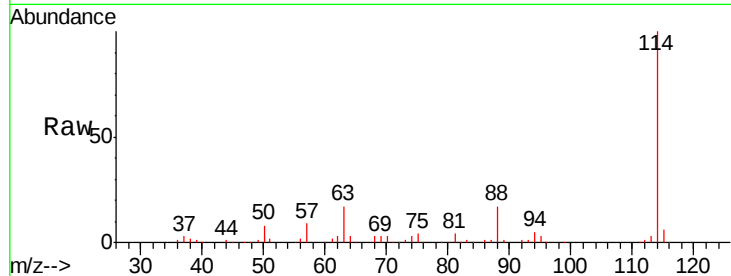




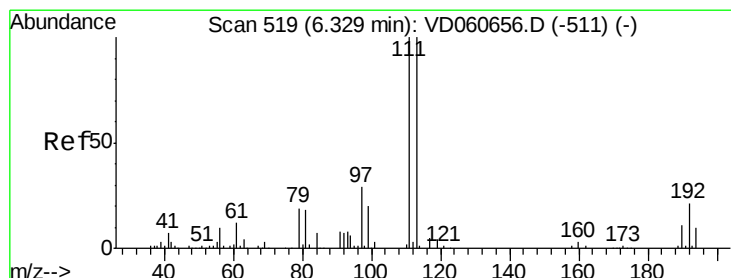
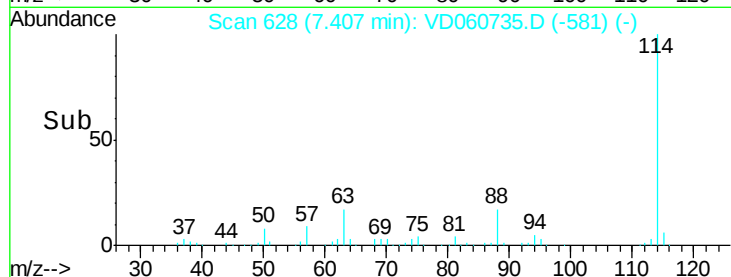
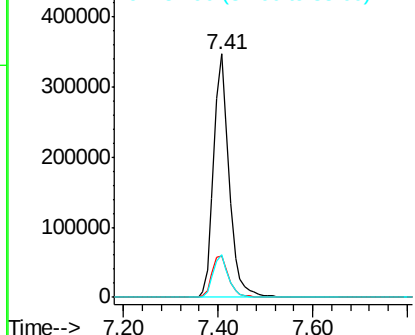
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.41 min Scan# 628
Delta R.T. -0.03 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0612-01RE

Tgt Ion:114 Resp: 795256
Ion Ratio Lower Upper
114 100
63 16.9 0.0 36.2
88 17.4 0.0 37.0

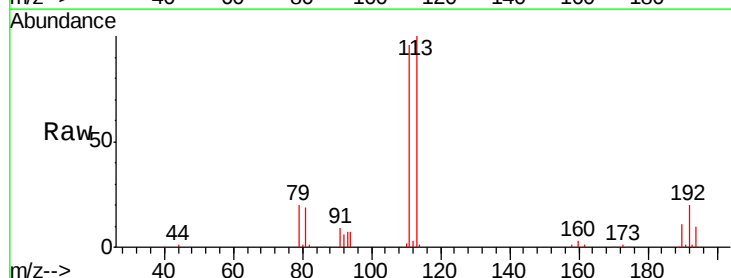


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

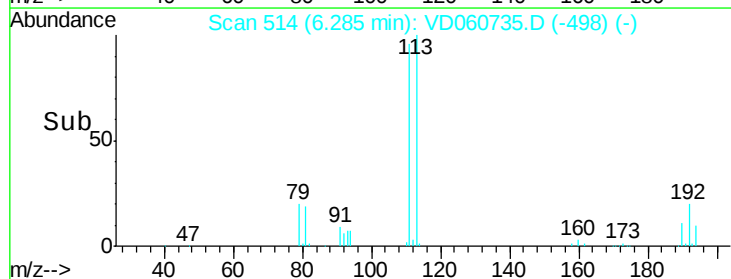
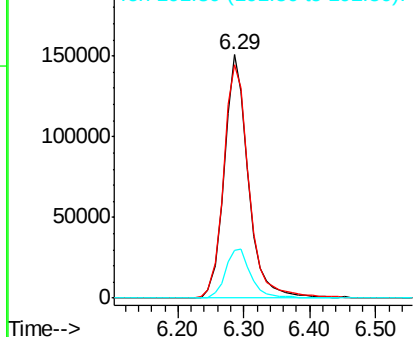


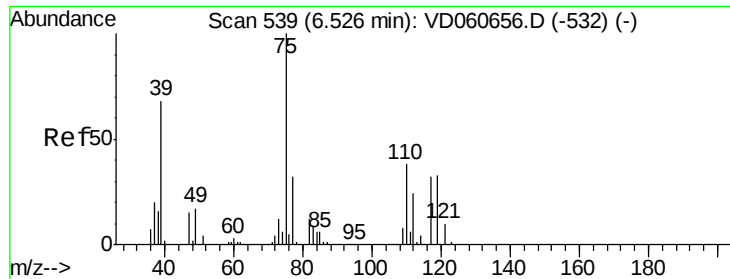
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 514
Delta R.T. -0.04 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Tgt Ion:113 Resp: 384815
Ion Ratio Lower Upper
113 100
111 96.0 80.0 120.0
192 19.9 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: 4.755 ug/l

RT: 6.36 min Scan# 522

Delta R.T. -0.16 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

P001-SS024-0612-01RE

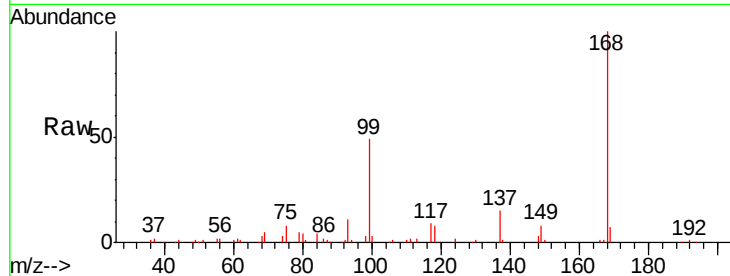
Tgt Ion: 75 Resp: 38938

Ion Ratio Lower Upper

75 100

110 8.9 18.9 56.7#

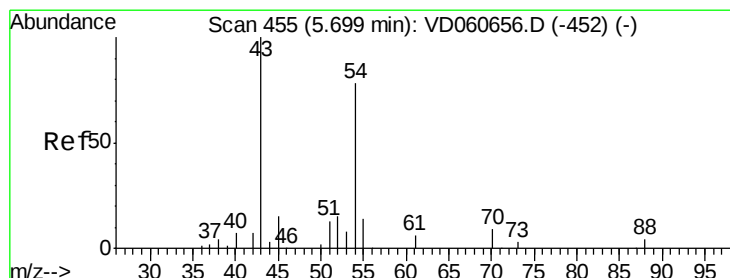
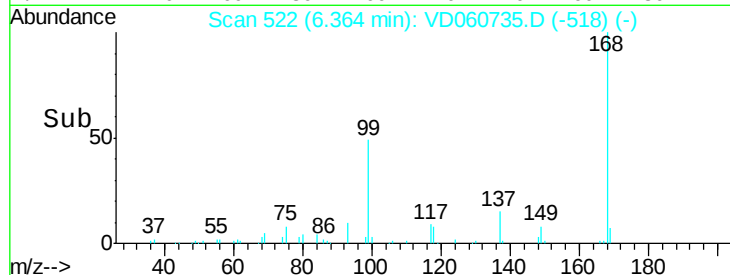
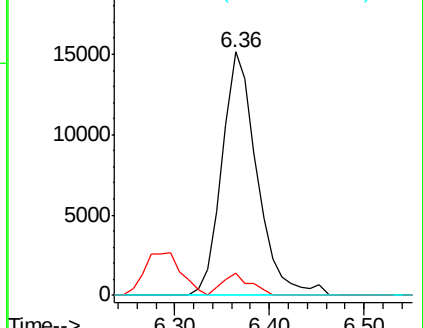
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.901 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.11 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

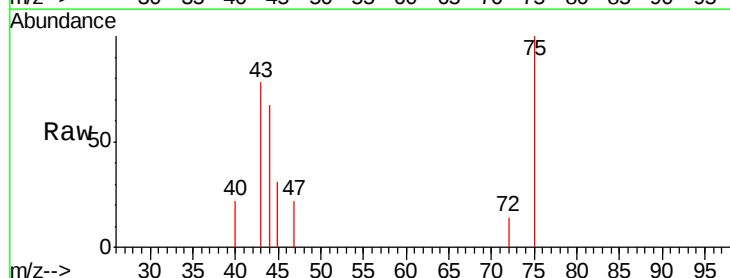
Tgt Ion: 43 Resp: 6512

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

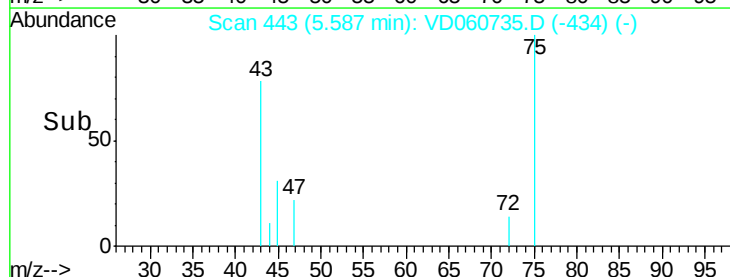
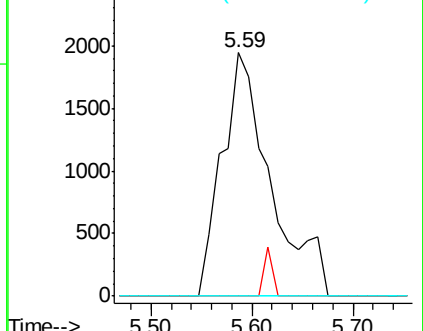
70 0.0 5.8 8.6#

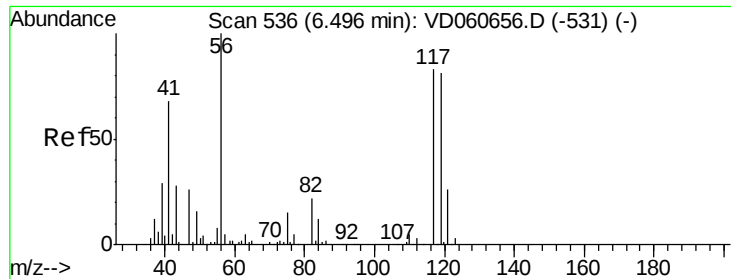


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

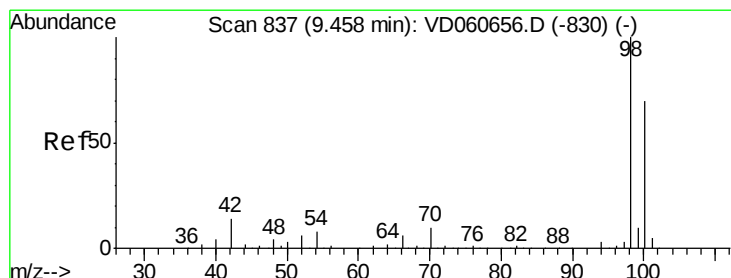
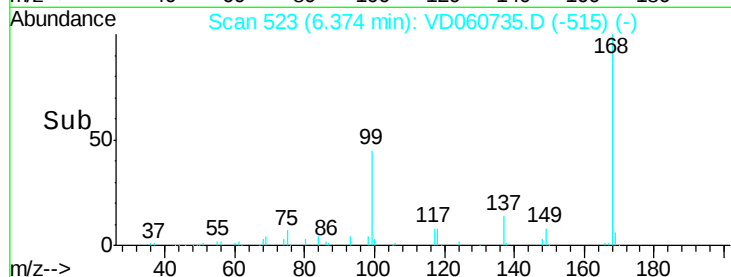
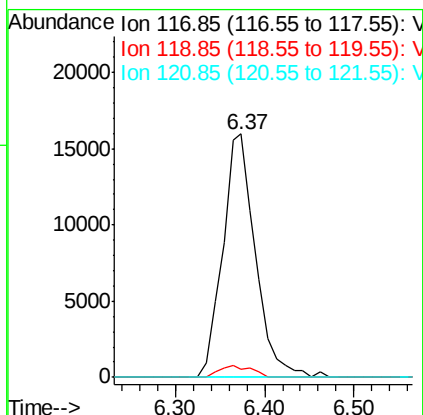
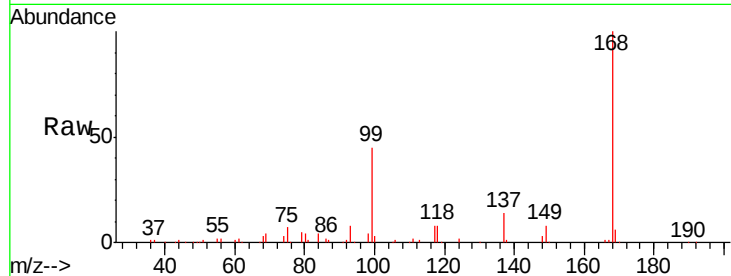




#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 6.37 min Scan# 523
Delta R.T. -0.12 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

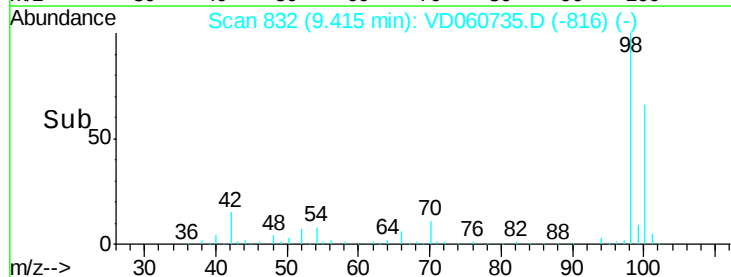
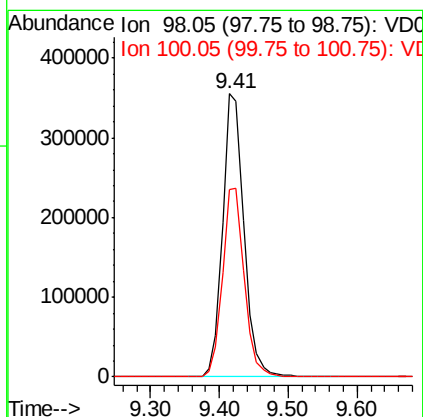
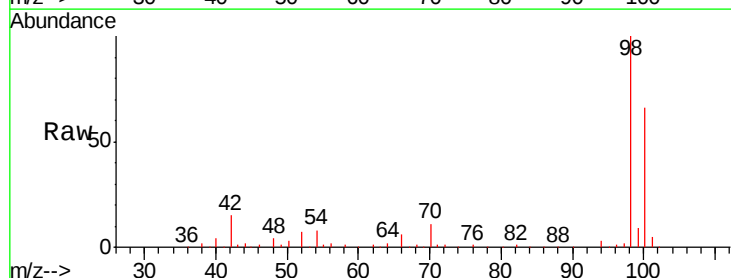
Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0612-01RE

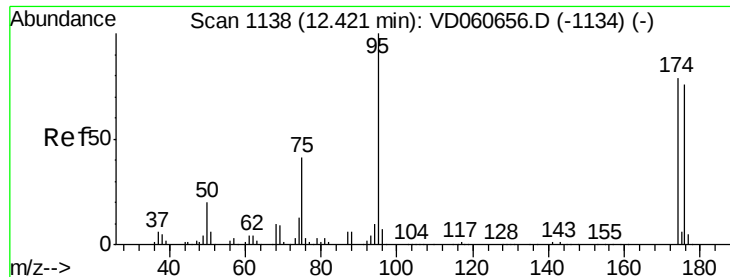
Tgt Ion:117 Resp: 41028
Ion Ratio Lower Upper
117 100
119 3.5 77.0 115.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.41 min Scan# 832
Delta R.T. -0.04 min
Lab File: VD060735.D
Acq: 27 Dec 2018 19:18

Tgt Ion: 98 Resp: 765139
Ion Ratio Lower Upper
98 100
100 66.2 55.8 83.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

P001-SS024-0612-01RE

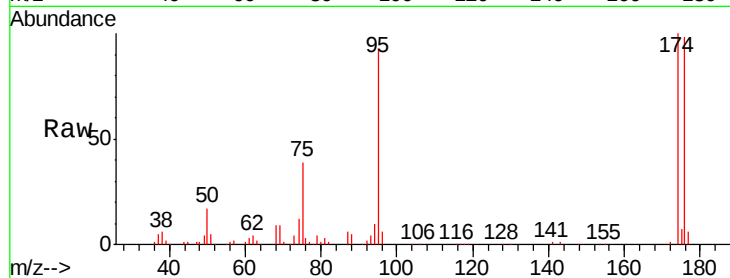
Tgt Ion: 95 Resp: 202590

Ion Ratio Lower Upper

95 100

174 107.1 0.0 158.2

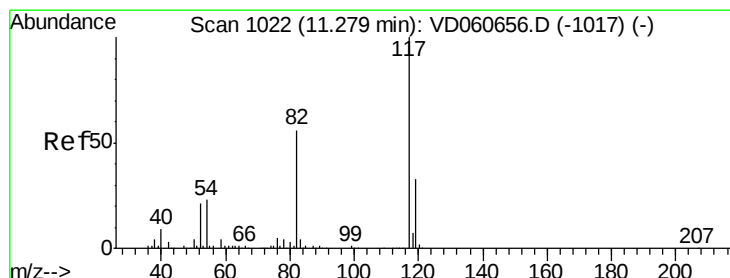
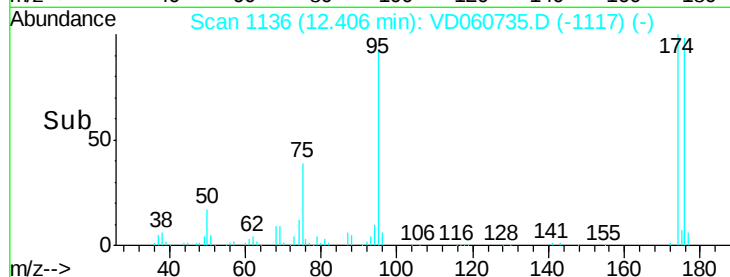
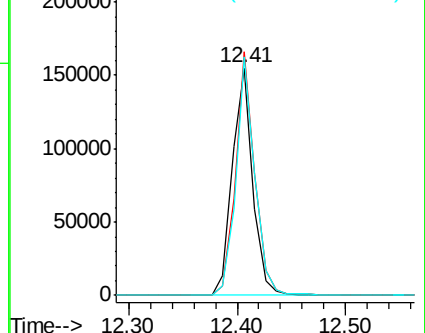
176 104.9 0.0 152.4



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: 11.25 min Scan# 1019

Delta R.T. -0.02 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

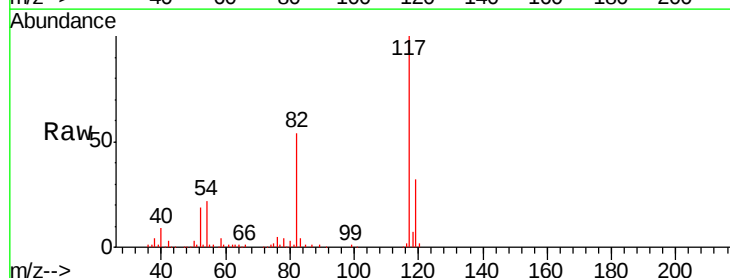
Tgt Ion: 117 Resp: 534484

Ion Ratio Lower Upper

117 100

82 54.3 44.5 66.7

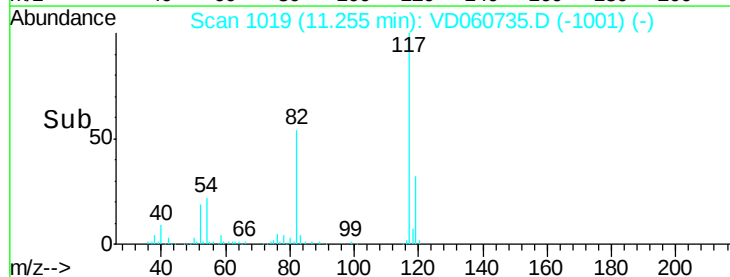
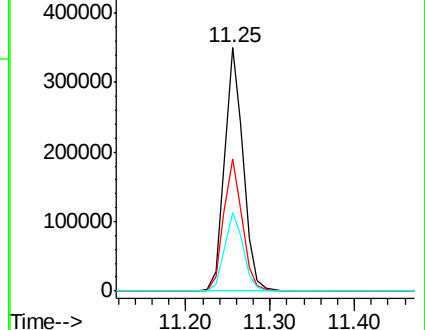
119 32.1 26.3 39.5

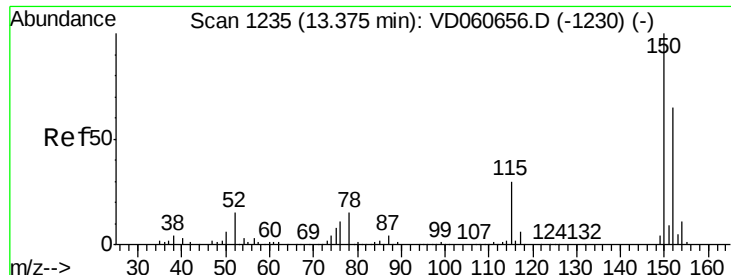


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060735.D

Acq: 27 Dec 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

P001-SS024-0612-01RE

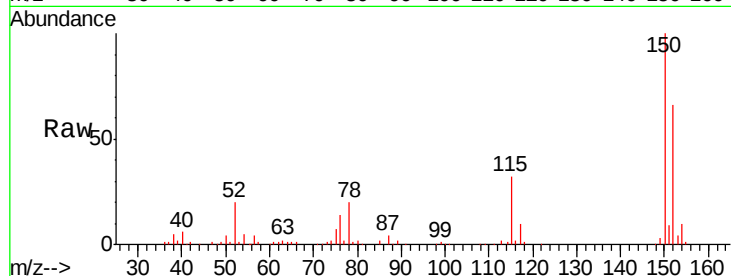
Tgt Ion:152 Resp: 180960

Ion Ratio Lower Upper

152 100

115 47.9 24.1 72.3

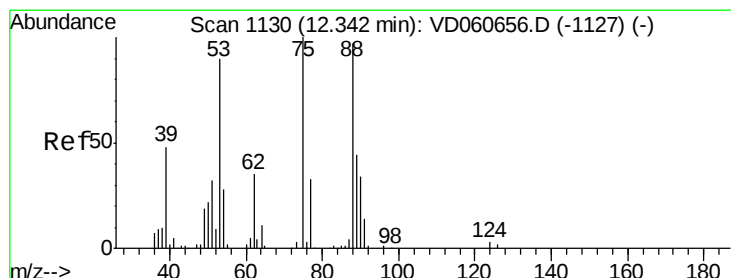
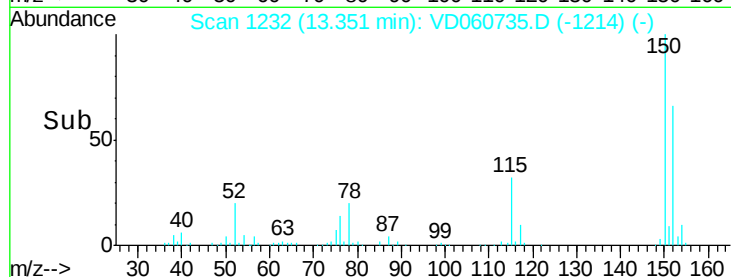
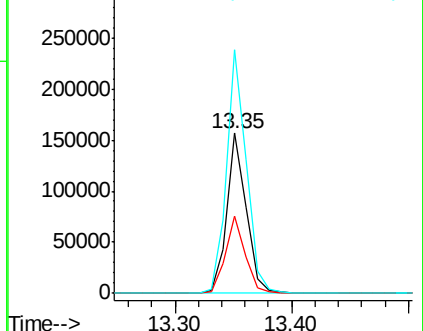
150 151.9 0.0 315.0



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: 149.911 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060735.D

Acq: 27 Dec 2018 19:18

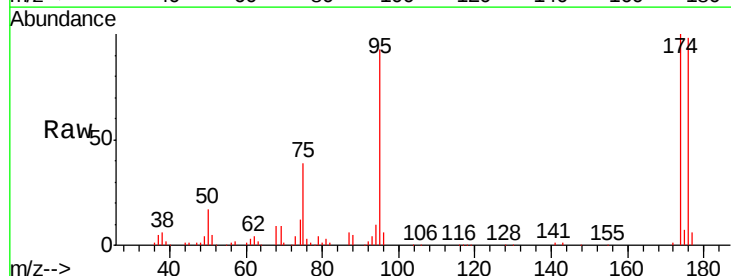
Tgt Ion: 75 Resp: 85342

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

