

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060730.D
 Acq On : 27 Dec 2018 16:59
 Operator : VA/AP
 Sample : J6446-16RE
 Misc : 3.90g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-1218-01RE

Quant Time: Dec 28 01:38:02 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	860160	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	1178639	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.25	117	630126	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	144650	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	365206	61.44	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	122.88%	
35) Dibromofluoromethane	6.28	113	493778	57.24	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	114.48%	
50) Toluene-d8	9.42	98	1036223	40.26	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	80.52%	
62) 4-Bromofluorobenzene	12.40	95	193781	21.50	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	43.00%	

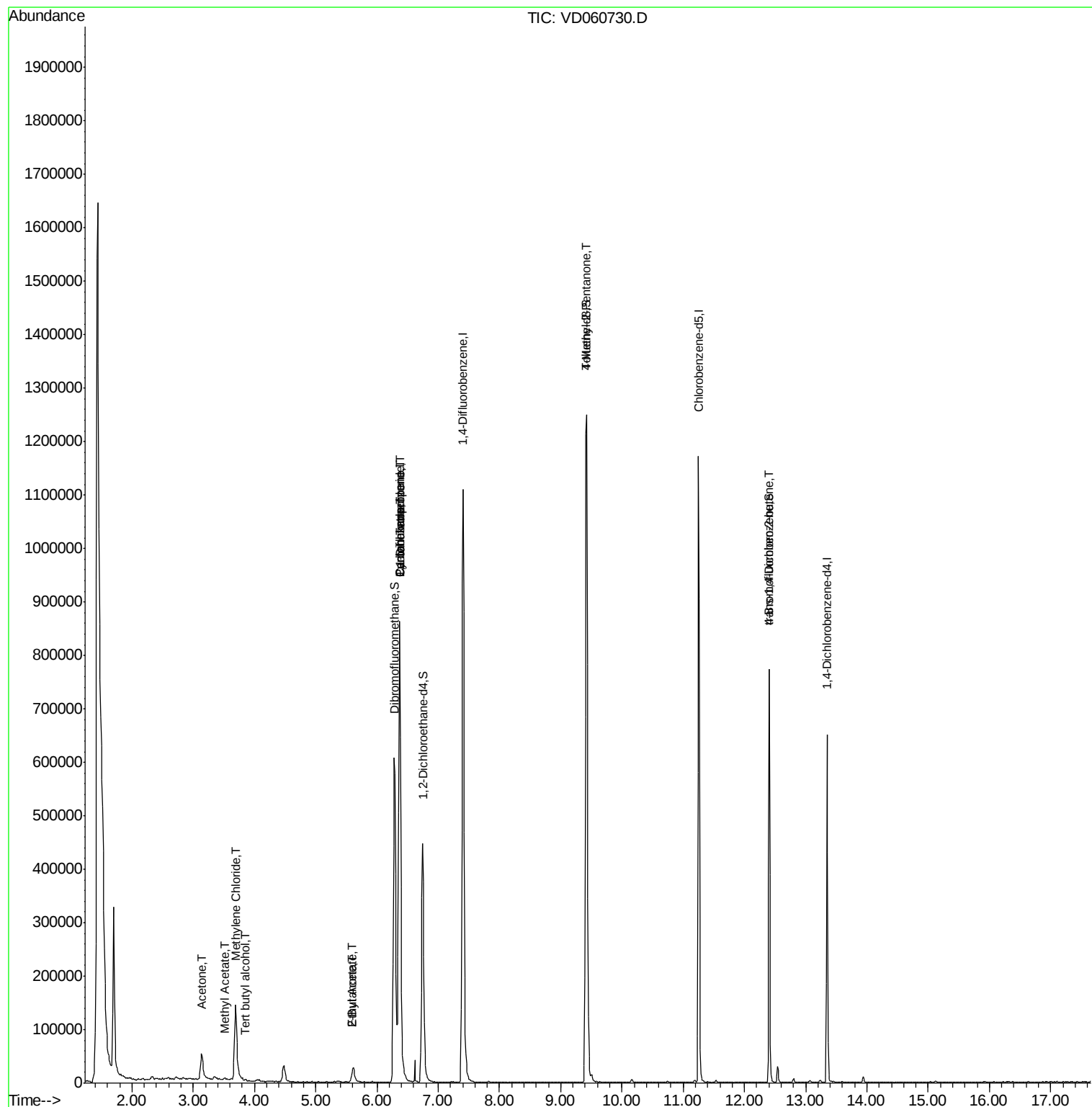
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.85	59	631	2.540	ug/l #	74
16) Acetone	3.13	43	106698	102.783	ug/l	100
18) Methyl Acetate	3.52	43	7193	2.796	ug/l #	63
20) Methylene Chloride	3.70	84	92246	8.557	ug/l	97
25) 2-Butanone	5.58	43	10477	5.274	ug/l	94
31) Cyclohexane	6.36	56	16875	1.124	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	61690	5.083	ug/l #	46
37) Ethyl Acetate	5.58	43	10477	2.064	ug/l #	69
38) Carbon Tetrachloride	6.37	117	66365	6.198	ug/l #	16
51) 4-Methyl-2-Pentanone	9.41	43	5339	1.338	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	78753	173.062	ug/l #	13

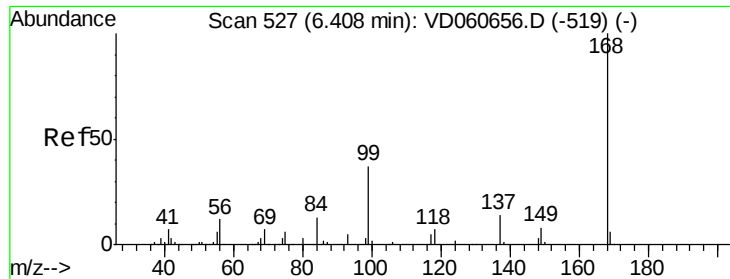
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
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: VD060730.D

Acq: 27 Dec 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

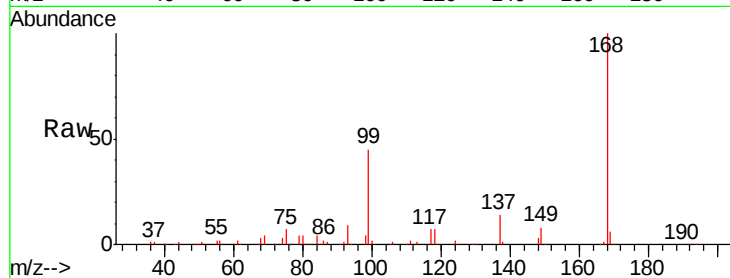
P001-SS022-1218-01RE

Tgt Ion:168 Resp: 860160

Ion Ratio Lower Upper

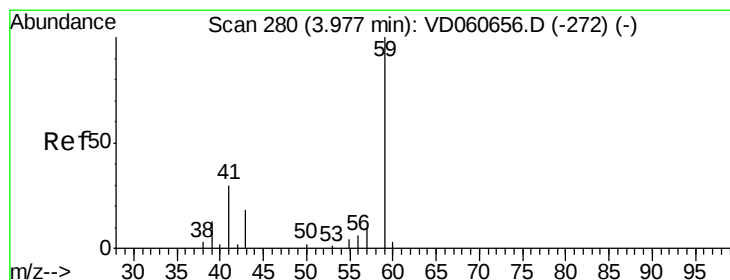
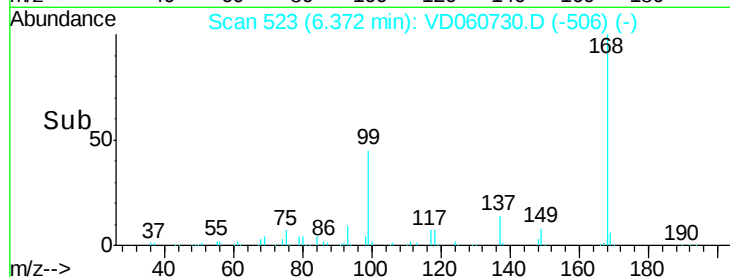
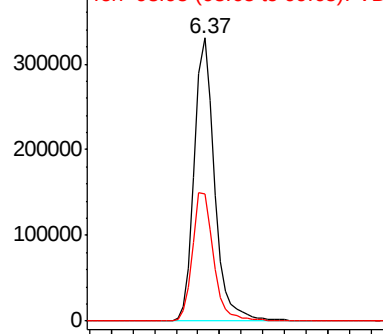
168 100

99 45.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.540 ug/l

RT: 3.85 min Scan# 267

Delta R.T. -0.12 min

Lab File: VD060730.D

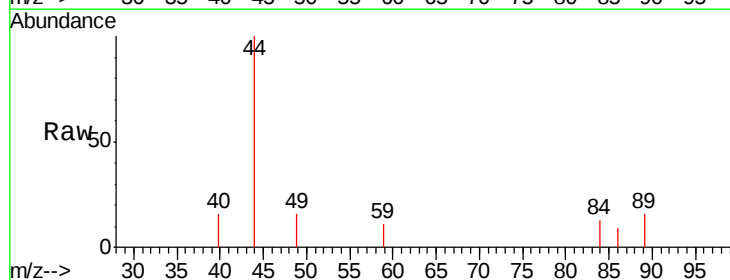
Acq: 27 Dec 2018 16:59

Tgt Ion: 59 Resp: 631

Ion Ratio Lower Upper

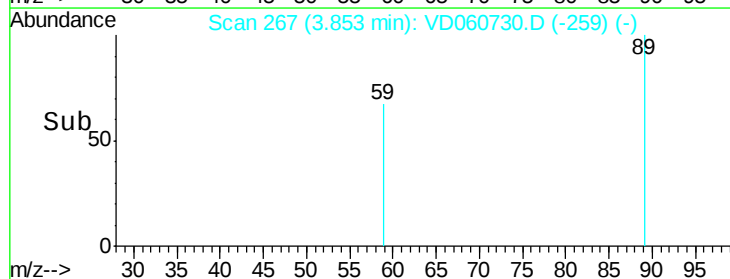
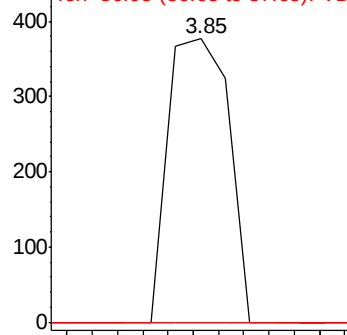
59 100

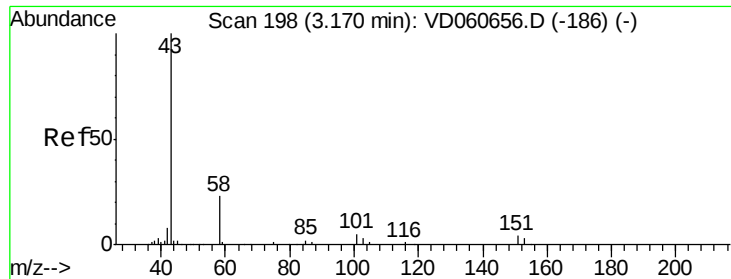
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 102.783 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060730.D

Acq: 27 Dec 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

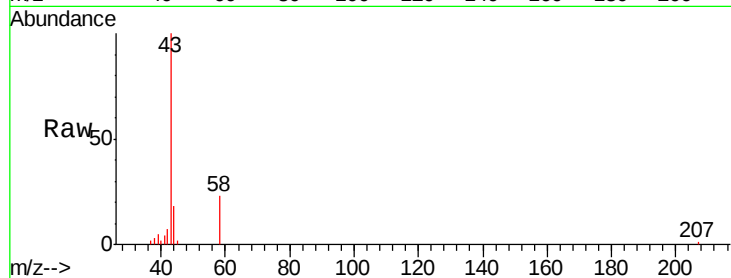
P001-SS022-1218-01RE

Tgt Ion: 43 Resp: 106698

Ion Ratio Lower Upper

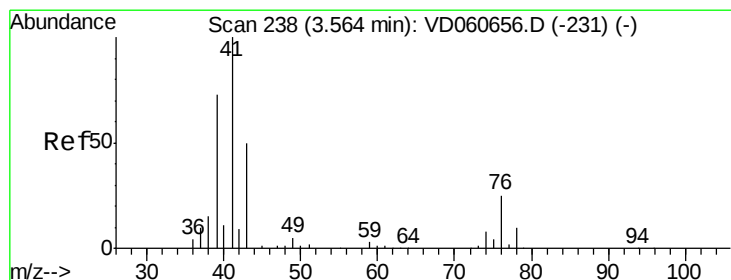
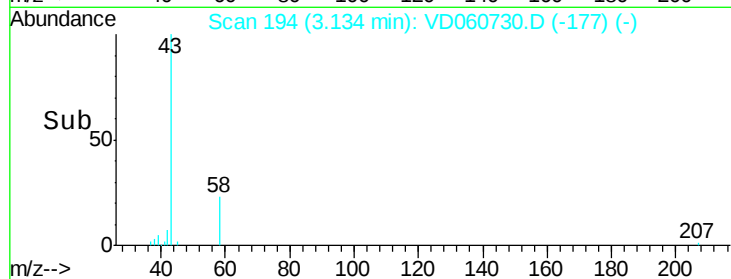
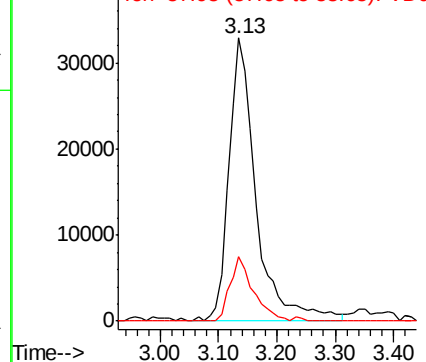
43 100

58 22.9 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: 2.796 ug/l

RT: 3.52 min Scan# 233

Delta R.T. -0.05 min

Lab File: VD060730.D

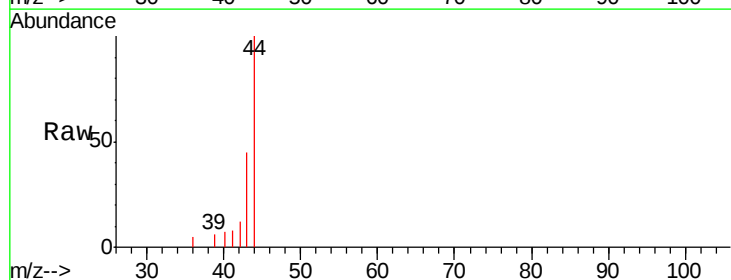
Acq: 27 Dec 2018 16:59

Tgt Ion: 43 Resp: 7193

Ion Ratio Lower Upper

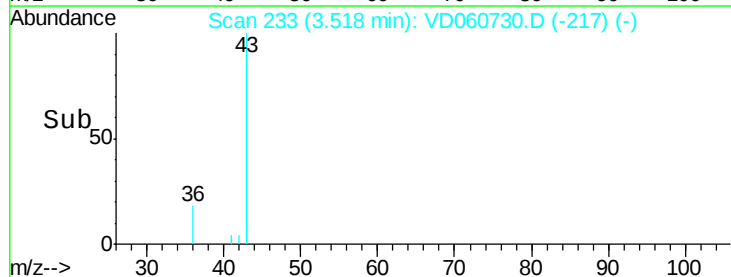
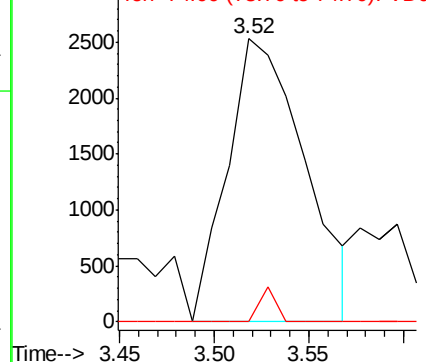
43 100

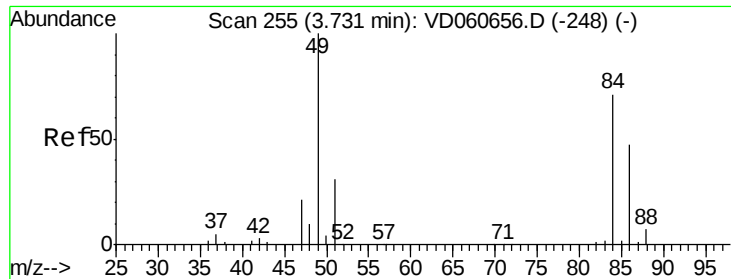
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

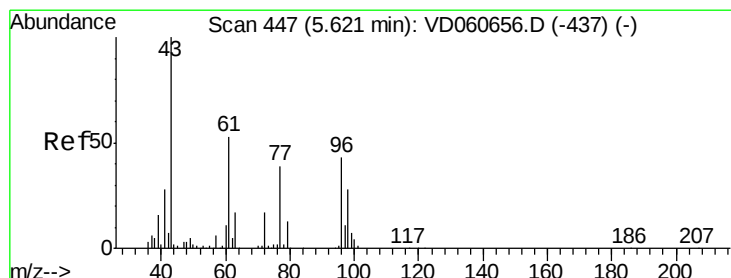
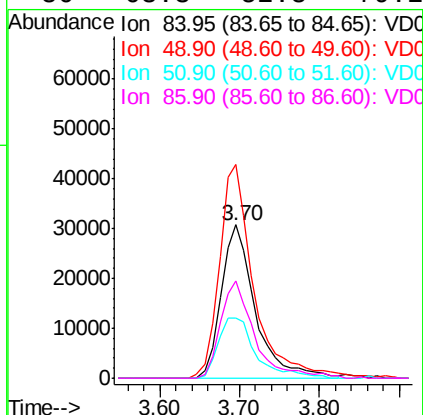
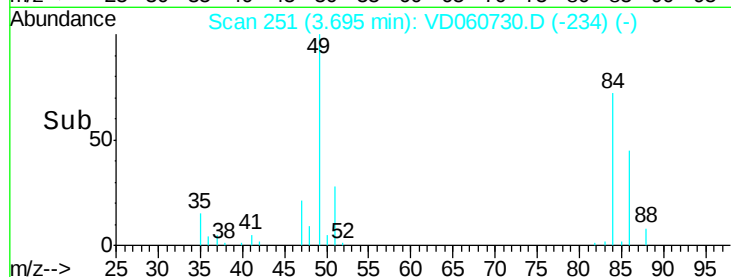
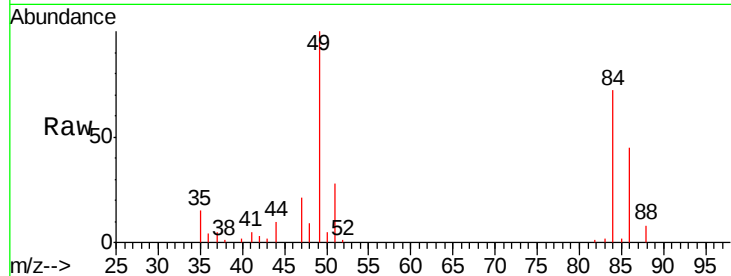




#20
Methylene Chloride
Concen: 8.557 ug/l
RT: 3.70 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

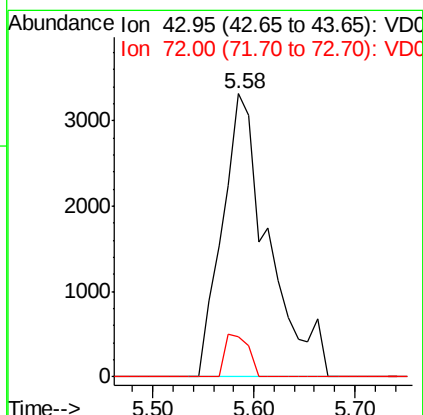
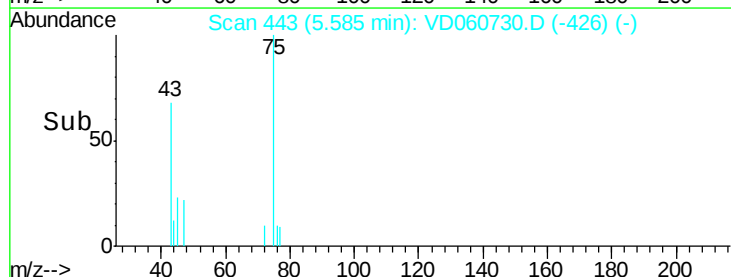
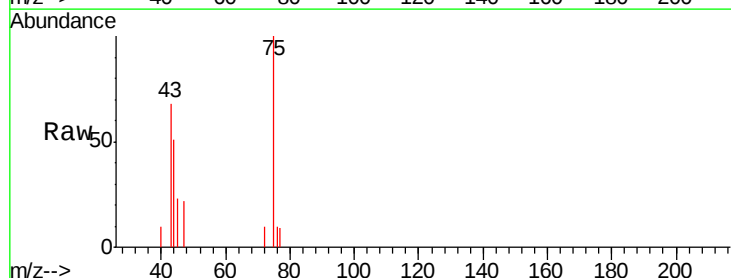
Instrument :
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P001-SS022-1218-01RE

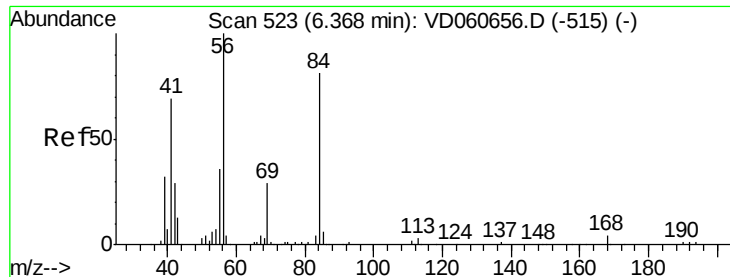
Tgt Ion: 84 Resp: 92246
Ion Ratio Lower Upper
84 100
49 139.4 113.6 170.4
51 39.4 34.7 52.1
86 63.3 52.8 79.2



#25
2-Butanone
Concen: 5.274 ug/l
RT: 5.58 min Scan# 443
Delta R.T. -0.04 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

Tgt Ion: 43 Resp: 10477
Ion Ratio Lower Upper
43 100
72 14.4 13.7 20.5

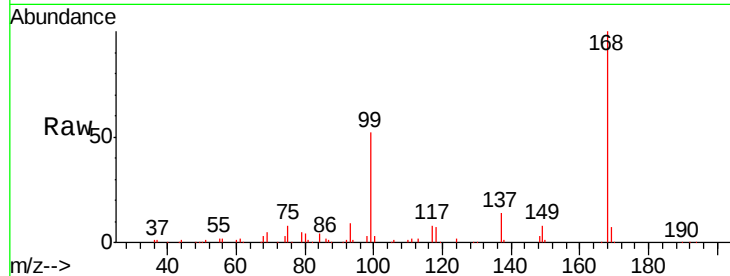




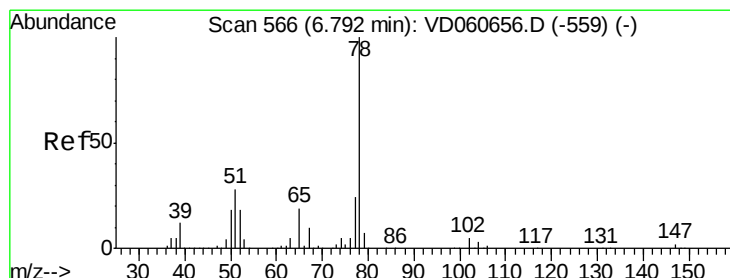
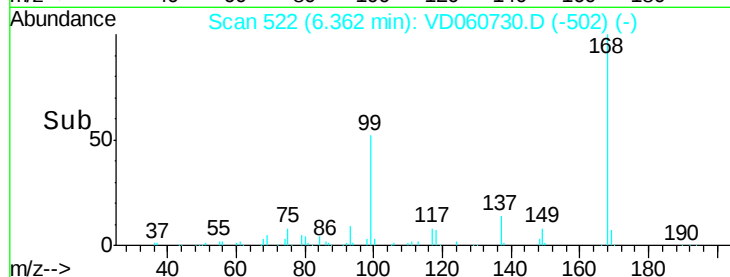
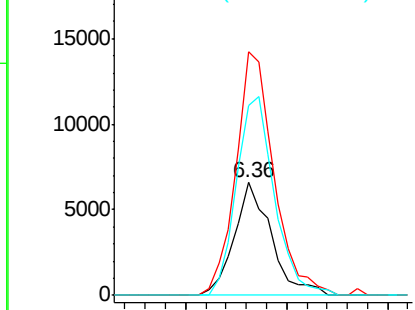
#31
Cyclohexane
Concen: 1.124 ug/l
RT: 6.36 min Scan# 522
Delta R.T. -0.01 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-1218-01RE

Tgt Ion: 56 Resp: 16875
Ion Ratio Lower Upper
56 100
69 216.2 23.6 35.4#
84 168.3 65.8 98.6#

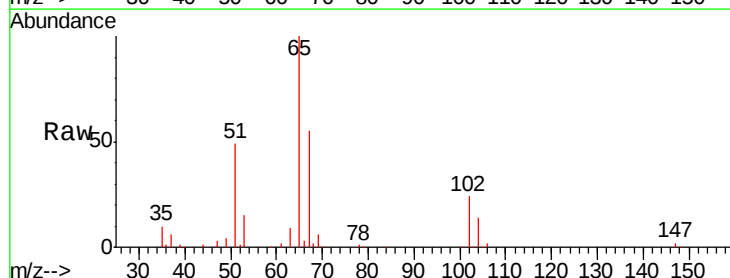


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

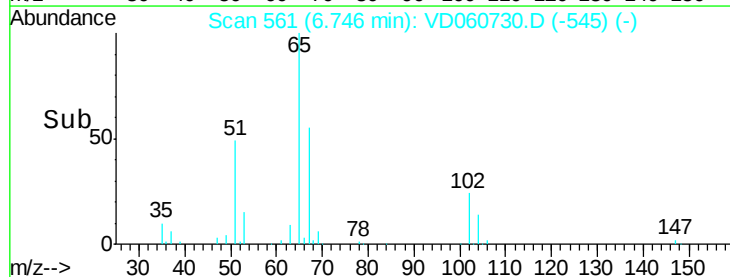
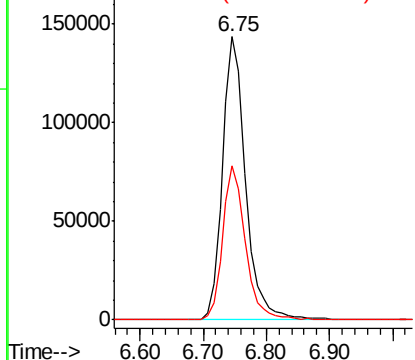


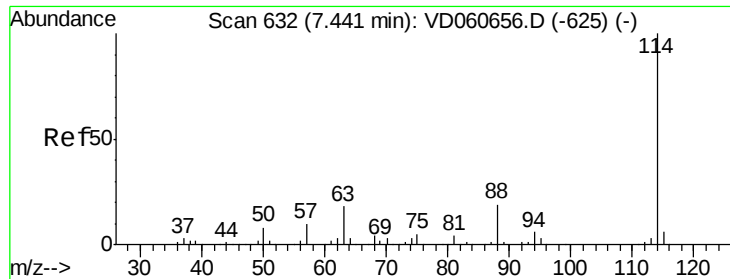
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 561
Delta R.T. -0.05 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

Tgt Ion: 65 Resp: 365206
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

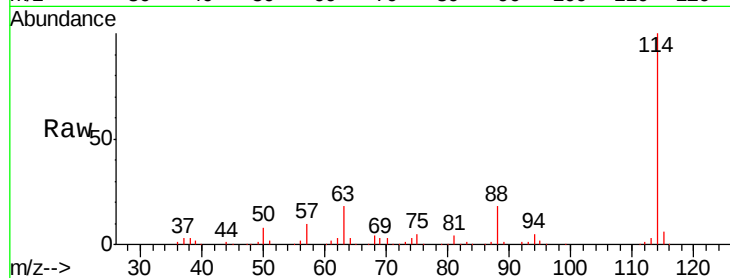




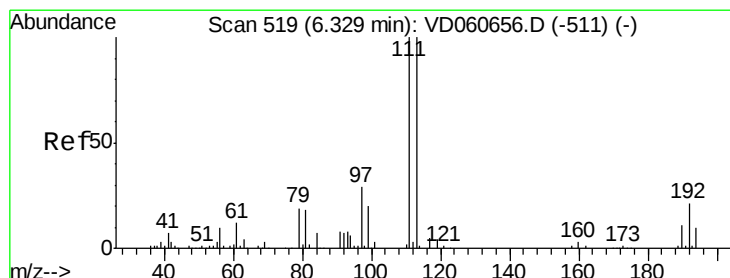
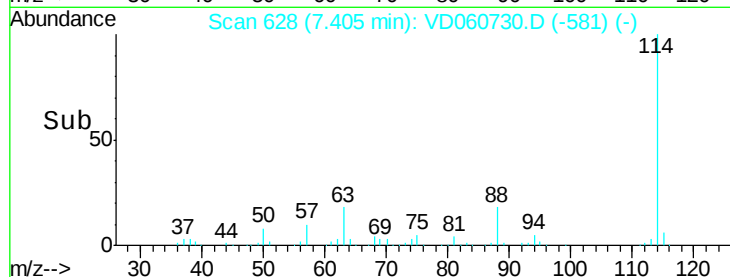
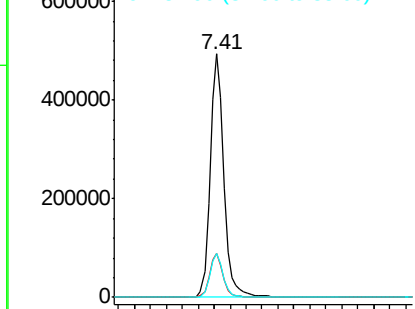
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 628
 Delta R.T. -0.04 min
 Lab File: VD060730.D
 Acq: 27 Dec 2018 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-1218-01RE

Tgt Ion:114 Resp: 1178639
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 17.8 0.0 37.0

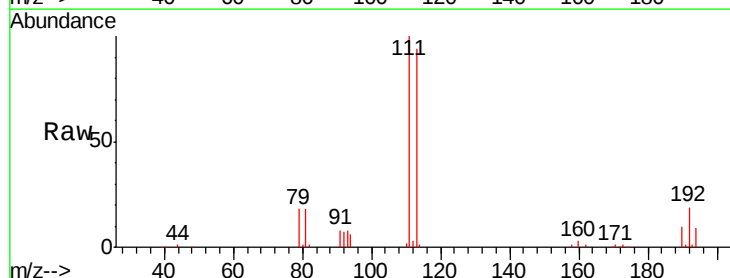


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

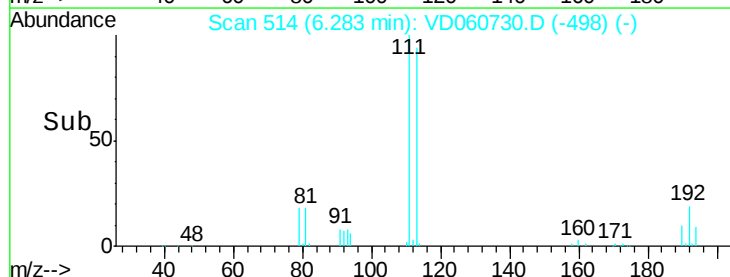
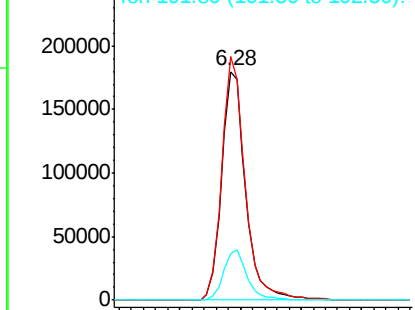


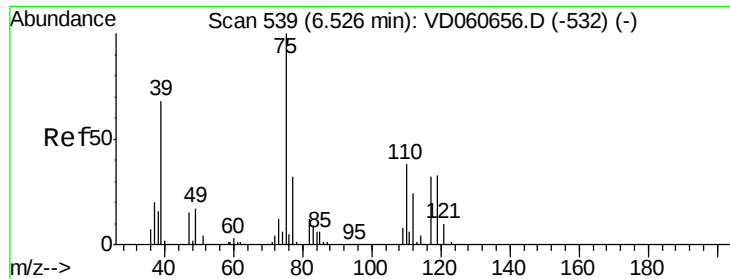
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.28 min Scan# 514
 Delta R.T. -0.05 min
 Lab File: VD060730.D
 Acq: 27 Dec 2018 16:59

Tgt Ion:113 Resp: 493778
 Ion Ratio Lower Upper
 113 100
 111 106.4 80.0 120.0
 192 20.4 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

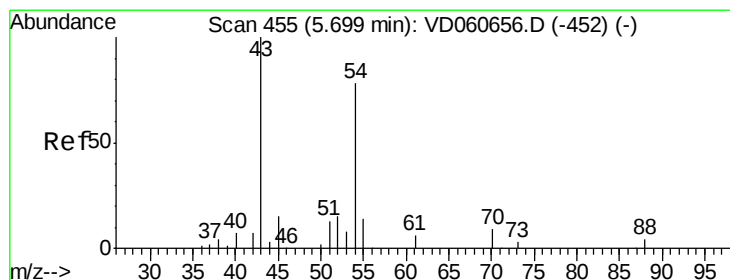
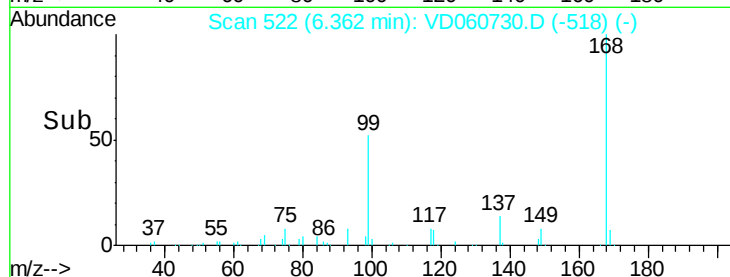
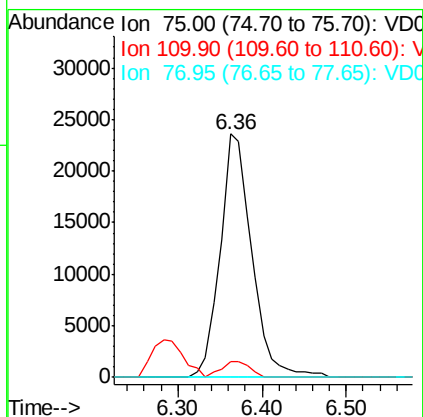
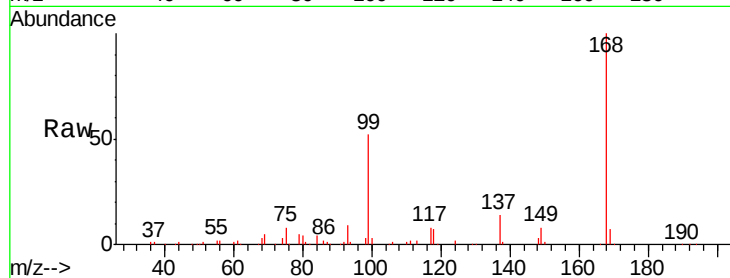




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 6.36 min Scan# 522
 Delta R.T. -0.16 min
 Lab File: VD060730.D
 Acq: 27 Dec 2018 16:59

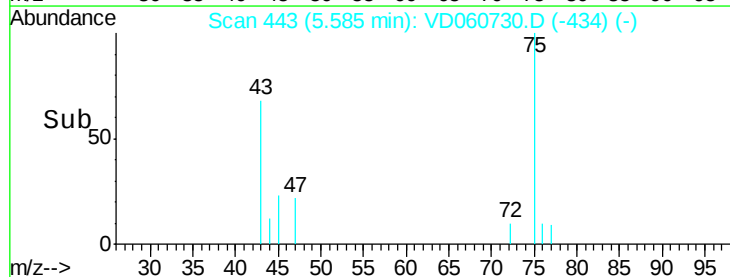
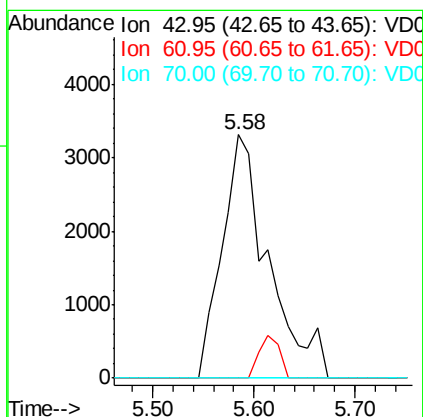
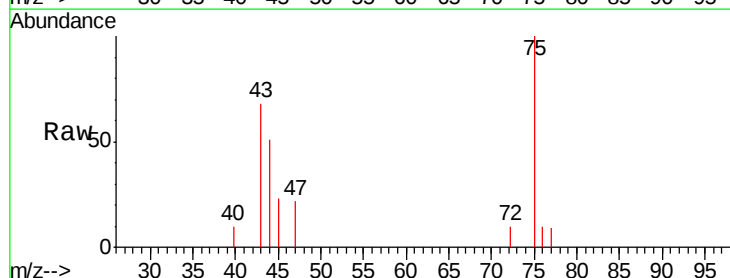
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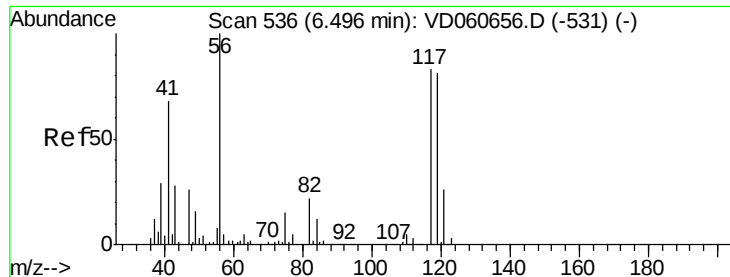
Tgt Ion: 75 Resp: 61690
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.9 56.7#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 2.064 ug/l
 RT: 5.58 min Scan# 443
 Delta R.T. -0.11 min
 Lab File: VD060730.D
 Acq: 27 Dec 2018 16:59

Tgt Ion: 43 Resp: 10477
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 5.8 8.6#





#38

Carbon Tetrachloride

Concen: 6.198 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.12 min

Lab File: VD060730.D

Acq: 27 Dec 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-1218-01RE

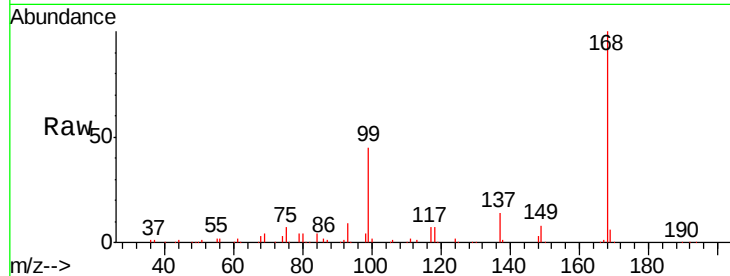
Tgt Ion:117 Resp: 66365

Ion Ratio Lower Upper

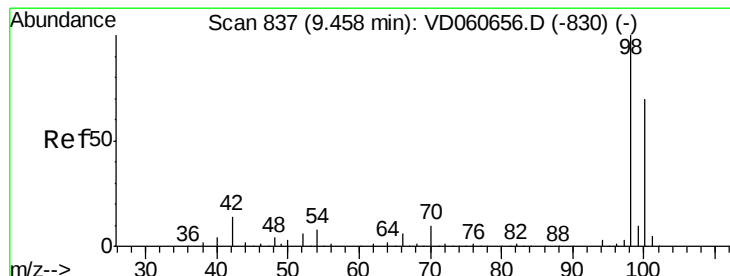
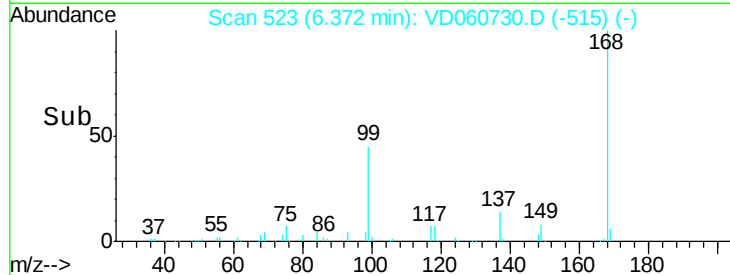
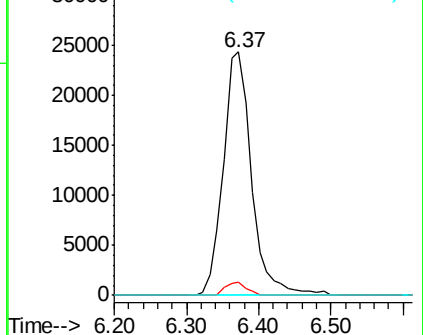
117 100

119 5.6 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: VD060730.D

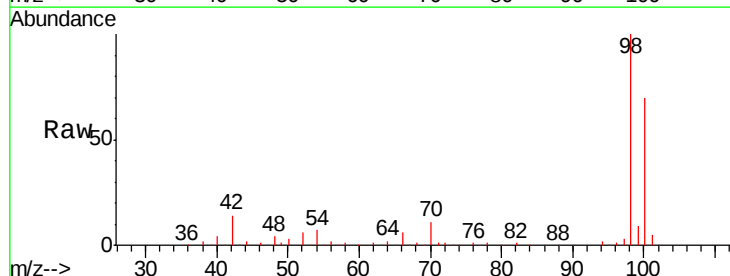
Acq: 27 Dec 2018 16:59

Tgt Ion: 98 Resp: 1036223

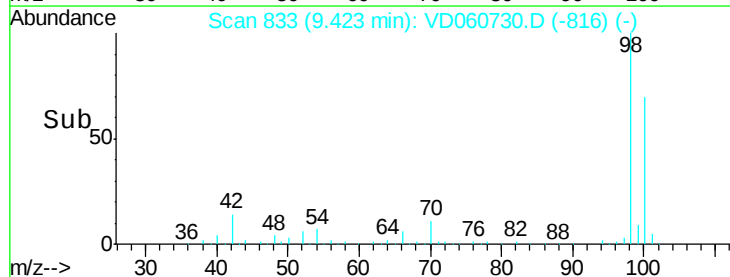
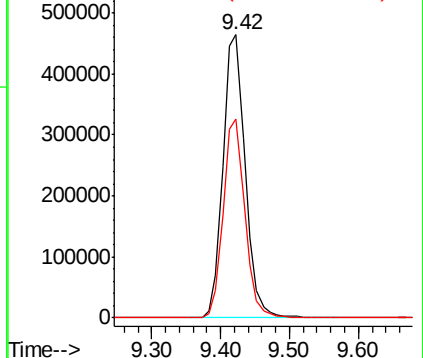
Ion Ratio Lower Upper

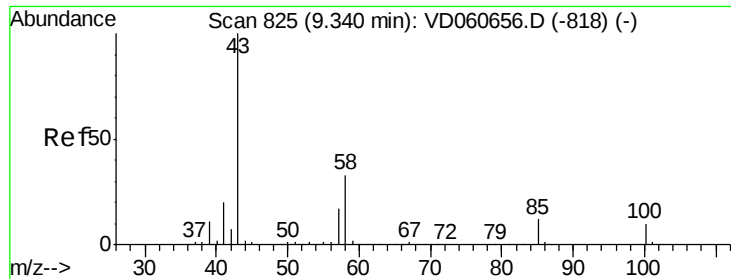
98 100

100 70.5 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.338 ug/l

RT: 9.41 min Scan# 832

Delta R.T. 0.07 min

Lab File: VD060730.D

Acq: 27 Dec 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

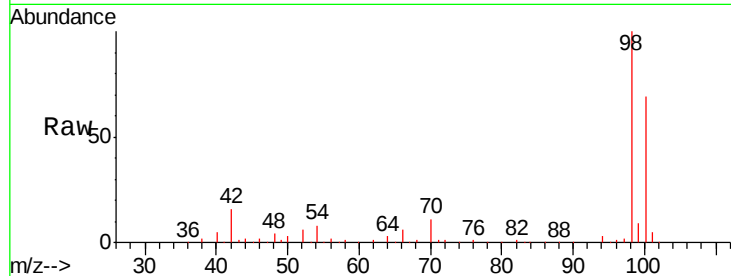
P001-SS022-1218-01RE

Tgt Ion: 43 Resp: 5339

Ion Ratio Lower Upper

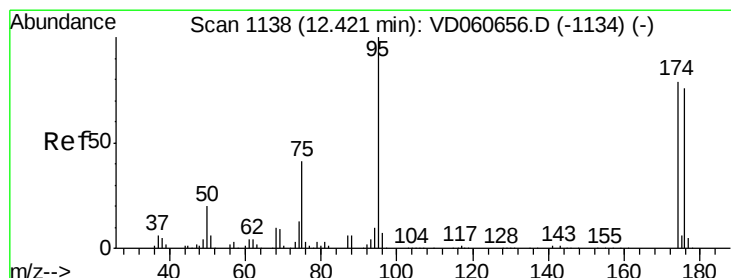
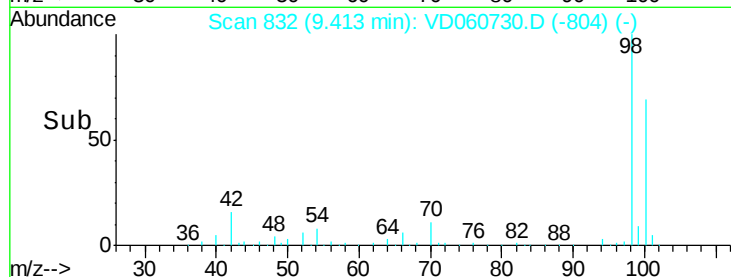
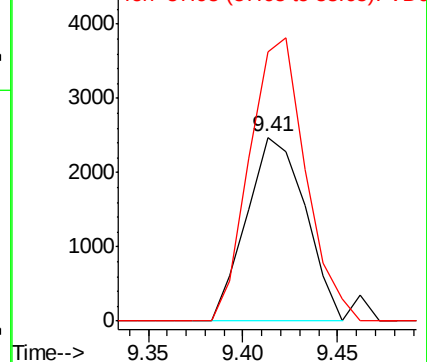
43 100

58 146.9 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060730.D

Acq: 27 Dec 2018 16:59

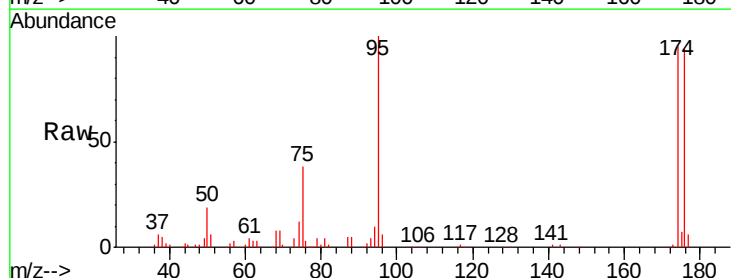
Tgt Ion: 95 Resp: 193781

Ion Ratio Lower Upper

95 100

174 95.2 0.0 158.2

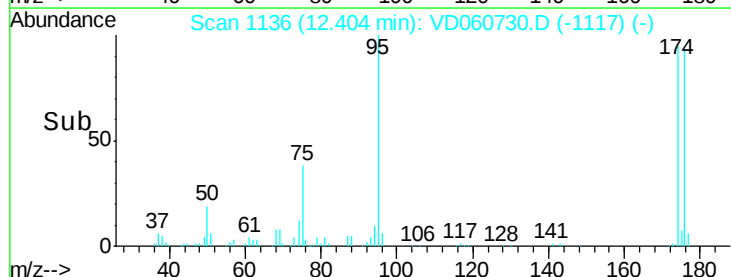
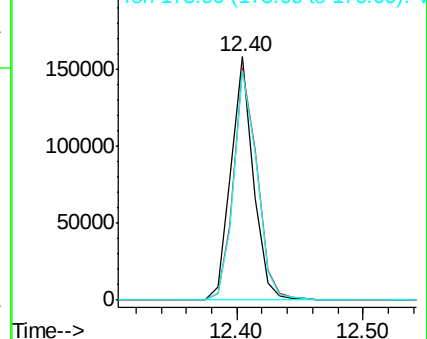
176 94.2 0.0 152.4

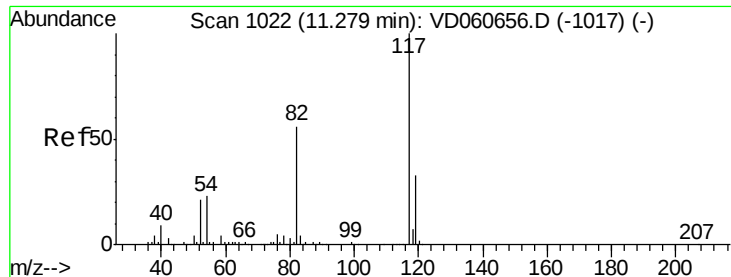


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

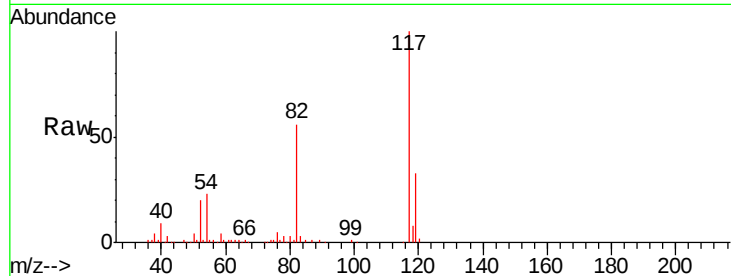




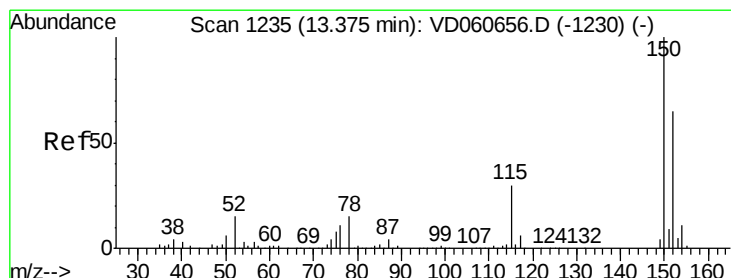
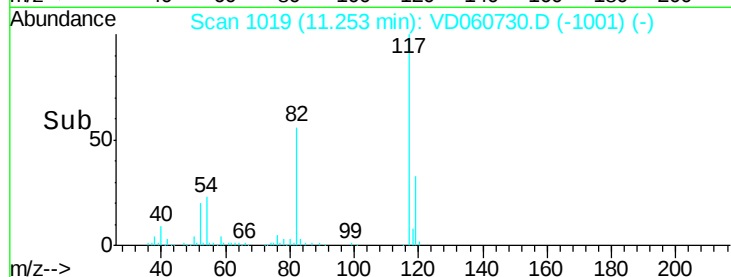
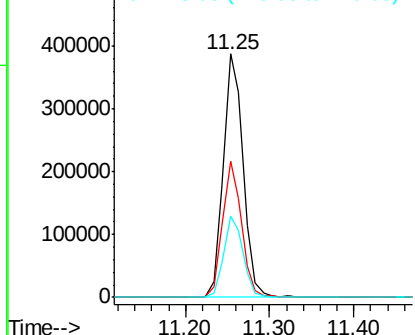
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-1218-01RE

Tgt Ion:117 Resp: 630126
Ion Ratio Lower Upper
117 100
82 56.0 44.5 66.7
119 33.0 26.3 39.5

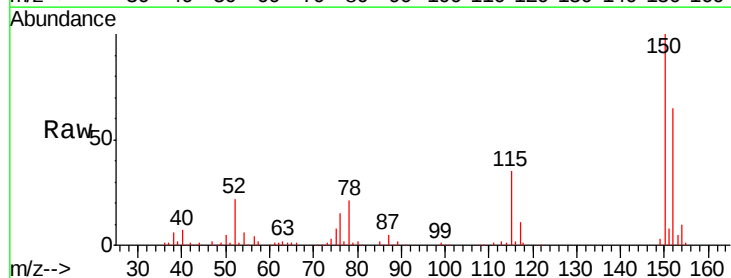


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

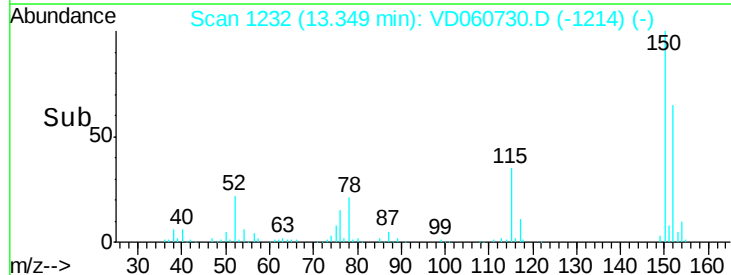
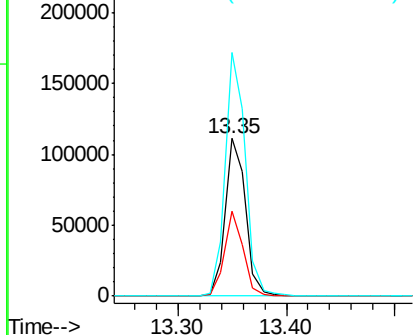


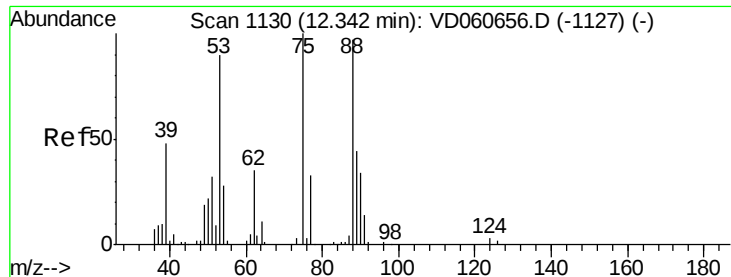
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD060730.D
Acq: 27 Dec 2018 16:59

Tgt Ion:152 Resp: 144650
Ion Ratio Lower Upper
152 100
115 54.3 24.1 72.3
150 154.8 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: 173.062 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060730.D

Acq: 27 Dec 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-1218-01RE

Tgt Ion: 75 Resp: 78753

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#

