

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060721.D
 Acq On : 27 Dec 2018 12:38
 Operator : VA/AP
 Sample : VD1227SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL01

Quant Time: Dec 28 01:35:40 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	1536790	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	2126272	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.25	117	1700680	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	852320	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	472867	44.53	ug/l	-0.05
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	6.28	113	697184	44.80	ug/l	-0.05
Spiked Amount			Recovery	=	89.60%	
50) Toluene-d8	9.42	98	2070637	44.59	ug/l	-0.04
Spiked Amount			Recovery	=	89.18%	
62) 4-Bromofluorobenzene	12.40	95	712972	43.84	ug/l	-0.02
Spiked Amount			Recovery	=	87.68%	

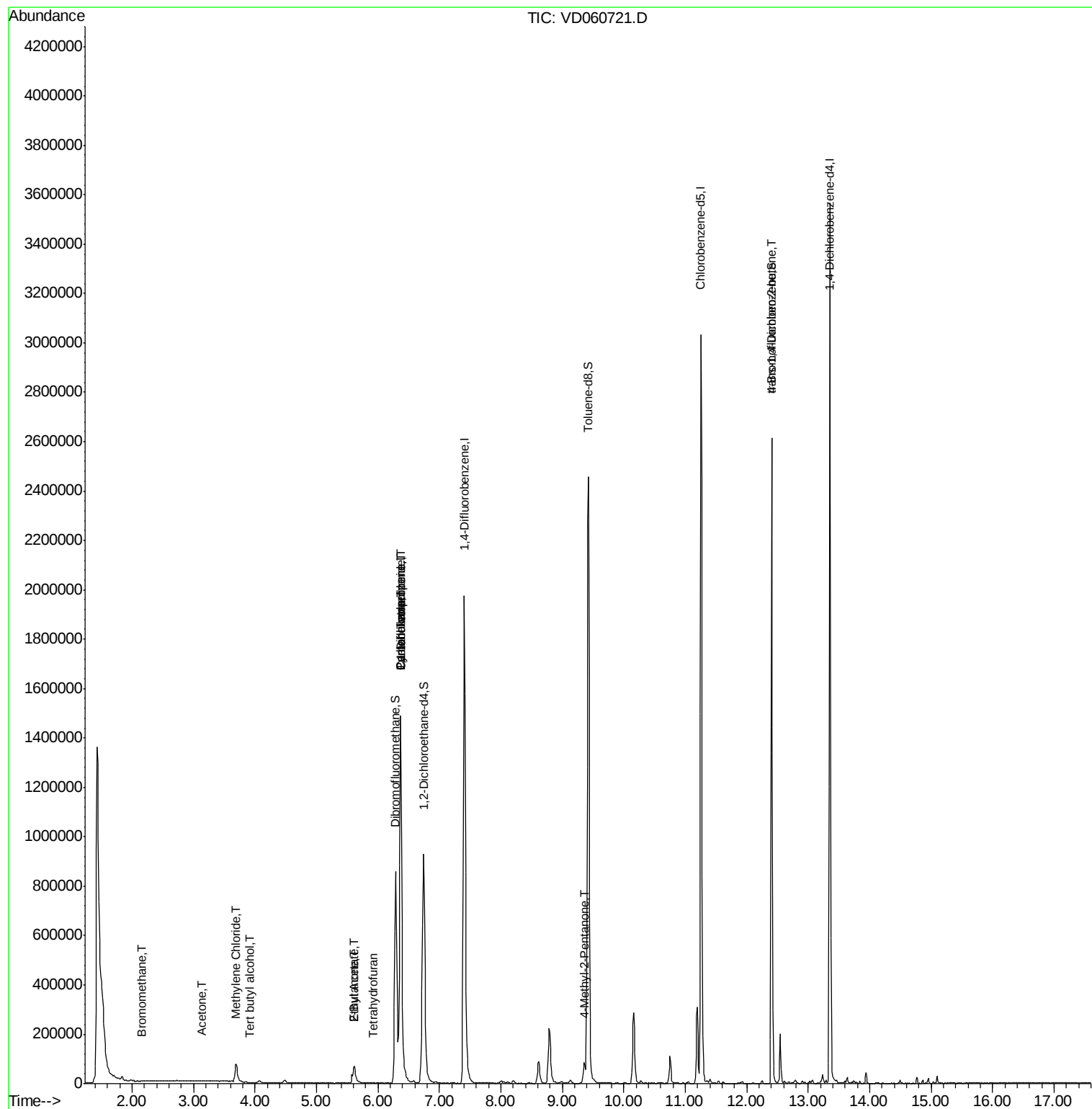
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	3784	1.177	ug/l #	34
11) Tert butyl alcohol	3.92	59	1272	2.866	ug/l #	74
16) Acetone	3.13	43	8565	4.618	ug/l #	85
20) Methylene Chloride	3.70	84	47893	2.486	ug/l	99
25) 2-Butanone	5.60	43	10699	3.015	ug/l #	61
29) Tetrahydrofuran	5.92	42	2561	1.273	ug/l #	48
31) Cyclohexane	6.37	56	29820	1.112	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	100037	4.569	ug/l #	45
37) Ethyl Acetate	5.60	43	10699	1.168	ug/l #	27
38) Carbon Tetrachloride	6.37	117	116860	6.050	ug/l #	16
51) 4-Methyl-2-Pentanone	9.35	43	21041	2.923	ug/l #	73
81) trans-1,4-Dichloro-2-buten	12.40	75	282926	105.517	ug/l #	13

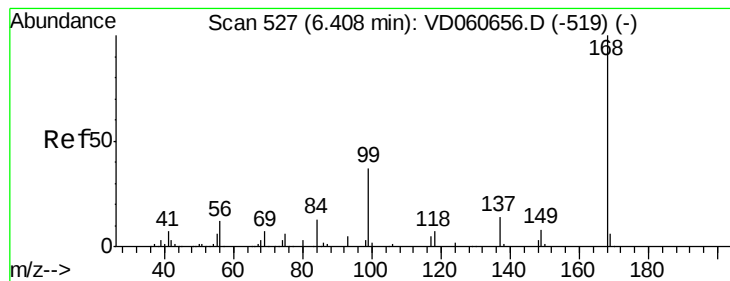
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060721.D

Acq: 27 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

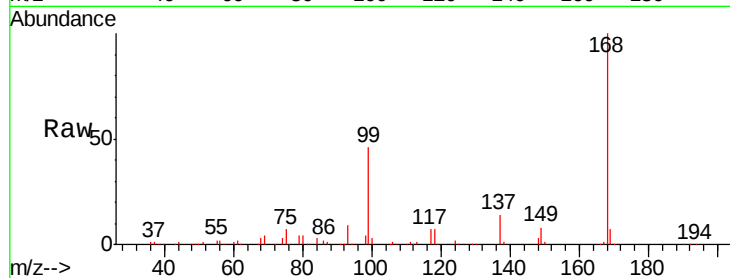
VD1227SBL01

Tgt Ion:168 Resp: 1536790

Ion Ratio Lower Upper

168 100

99 45.7 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

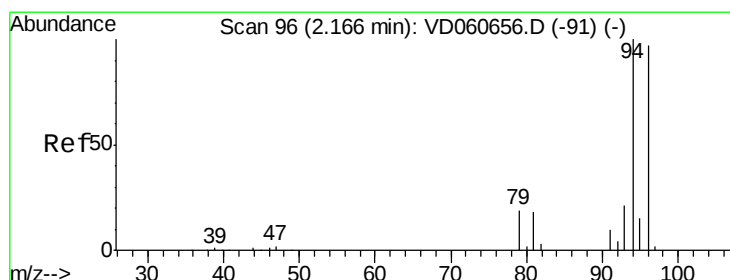
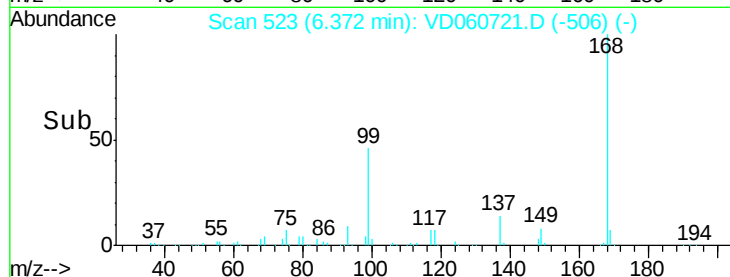
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 1.177 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060721.D

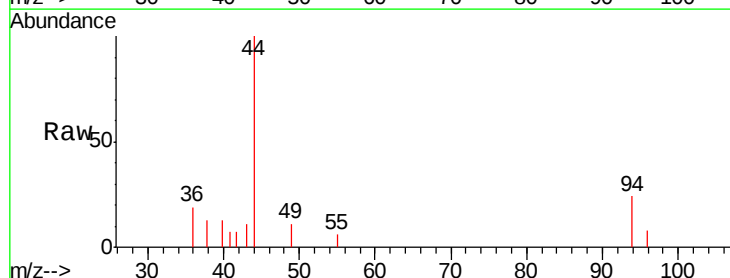
Acq: 27 Dec 2018 12:38

Tgt Ion: 94 Resp: 3784

Ion Ratio Lower Upper

94 100

96 31.9 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

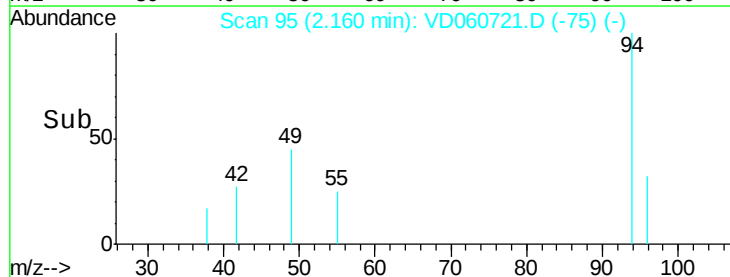
2.16

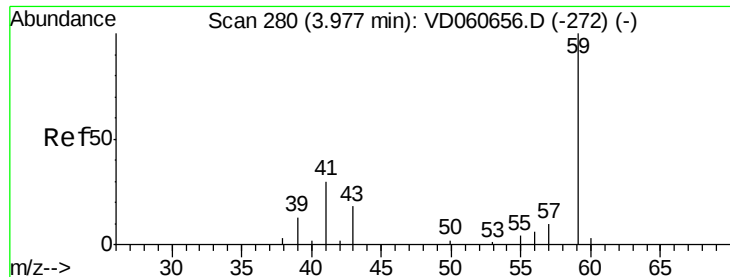
1000

500

0

Time-->



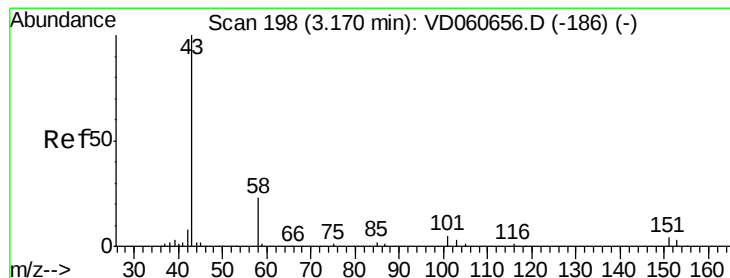
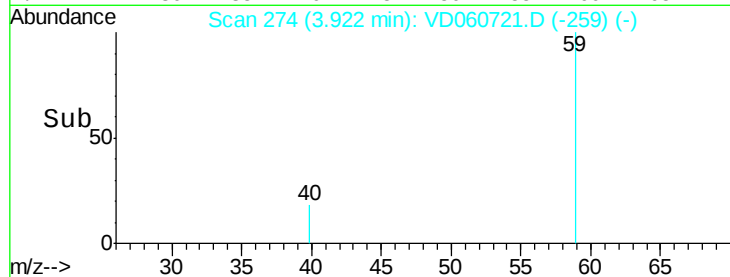
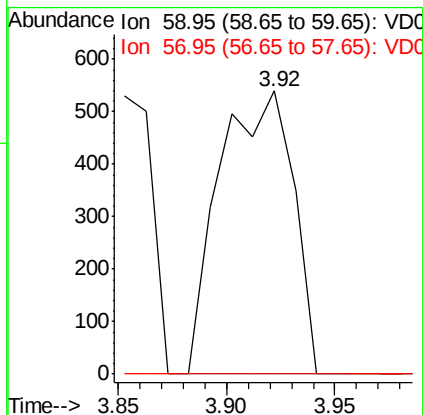
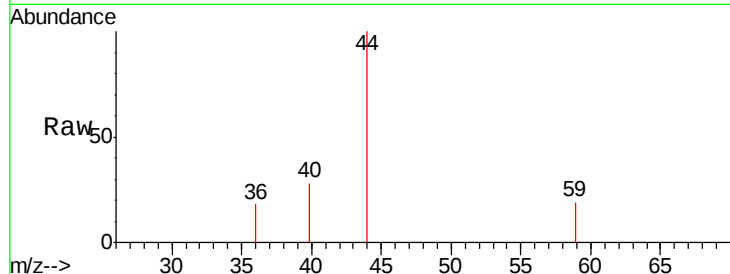


#11

Tert butyl alcohol
Concen: 2.866 ug/l
RT: 3.92 min Scan# 274
Delta R.T. -0.06 min
Lab File: VD060721.D
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Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

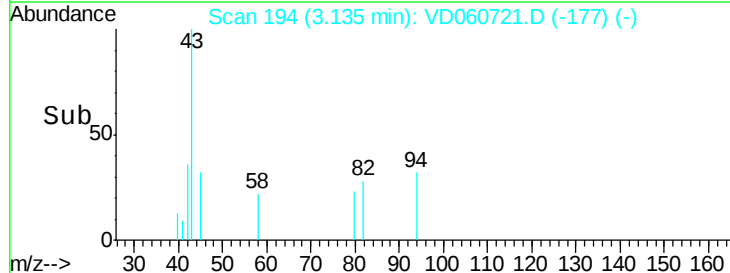
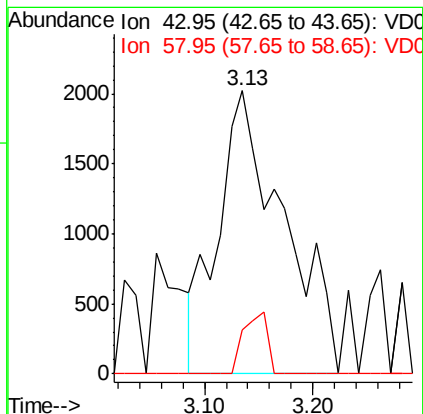
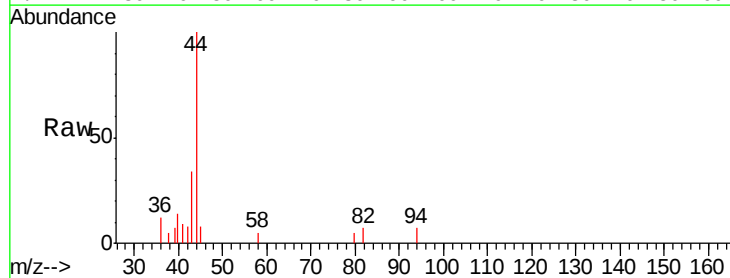
Tgt Ion: 59 Resp: 1272
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

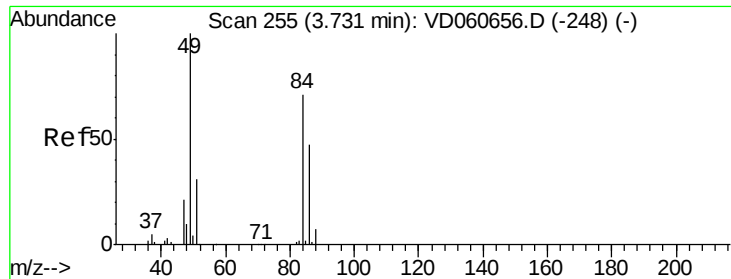


#16

Acetone
Concen: 4.618 ug/l
RT: 3.13 min Scan# 194
Delta R.T. -0.04 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 43 Resp: 8565
Ion Ratio Lower Upper
43 100
58 15.6 18.2 27.2#

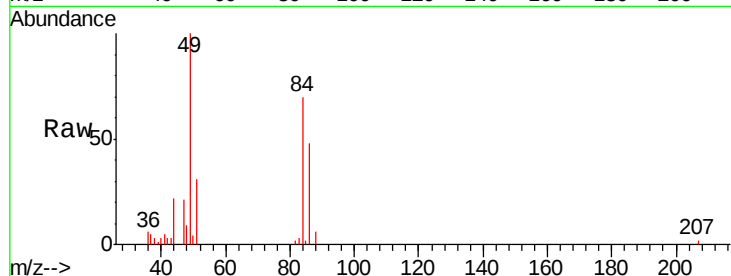




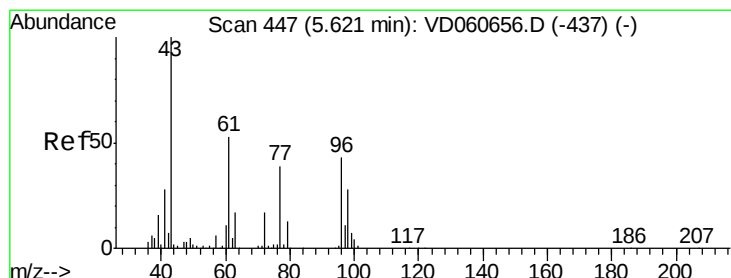
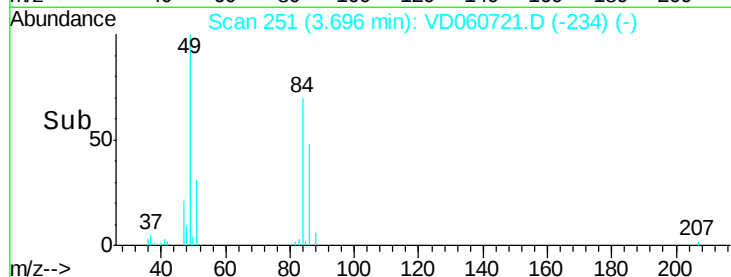
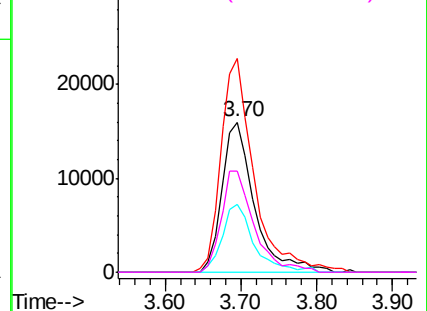
#20
Methylene Chloride
Concen: 2.486 ug/l
RT: 3.70 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

Tgt Ion: 84 Resp: 47893
Ion Ratio Lower Upper
84 100
49 142.4 113.6 170.4
51 44.9 34.7 52.1
86 67.7 52.8 79.2

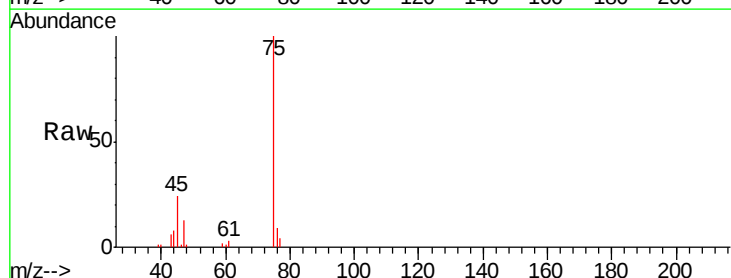


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

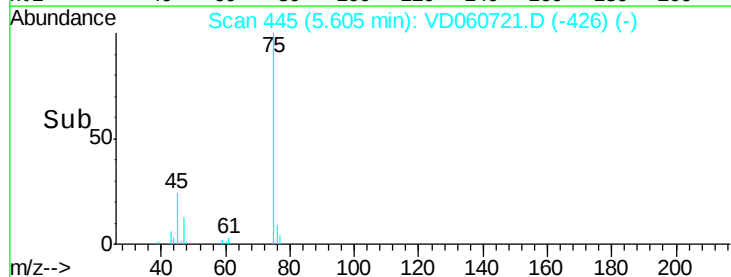
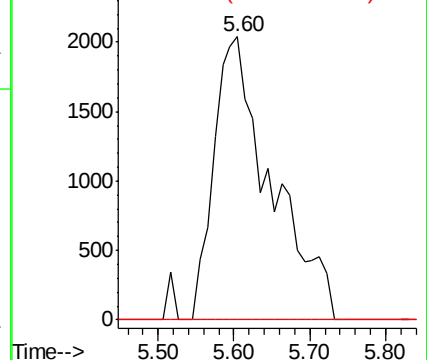


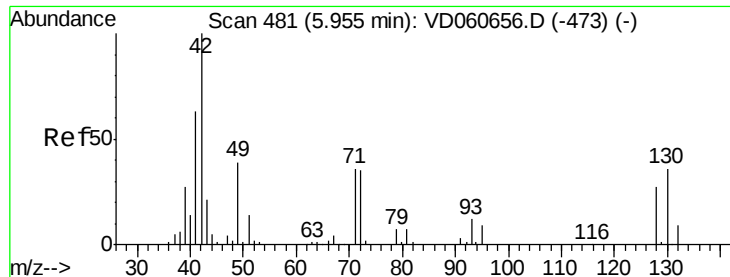
#25
2-Butanone
Concen: 3.015 ug/l
RT: 5.60 min Scan# 445
Delta R.T. -0.02 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 43 Resp: 10699
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

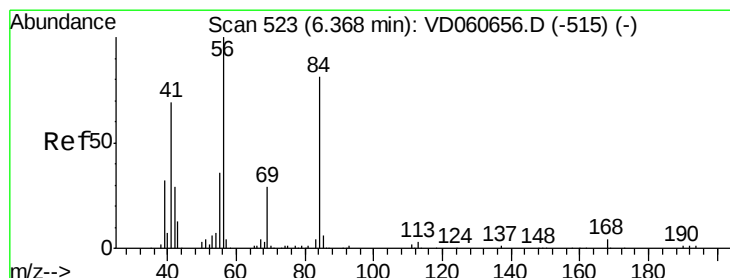
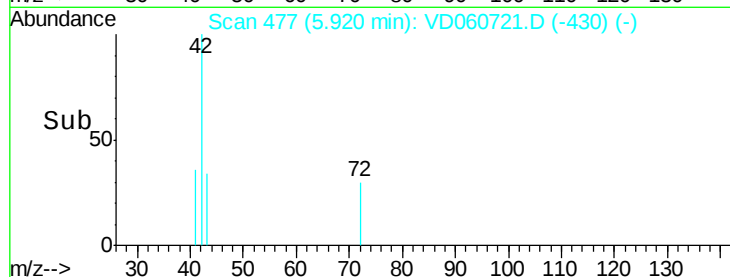
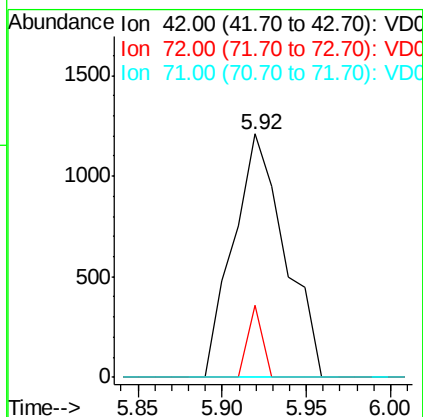
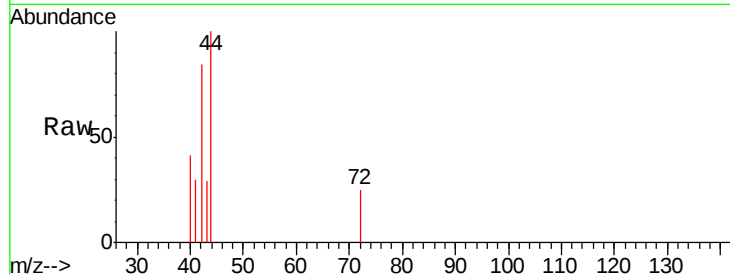




#29
Tetrahydrofuran
Concen: 1.273 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

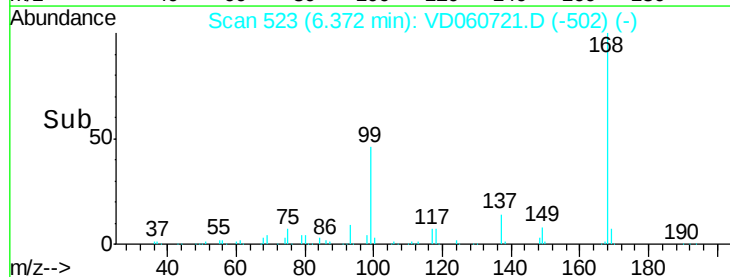
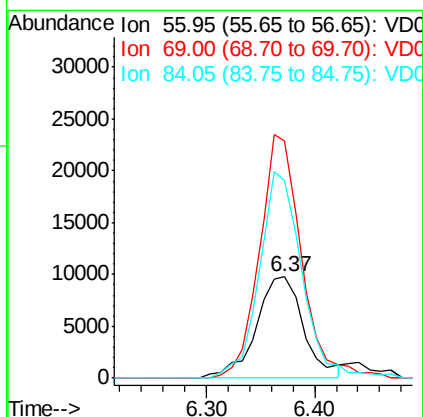
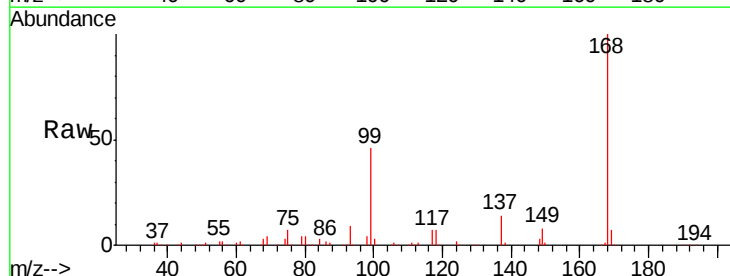
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

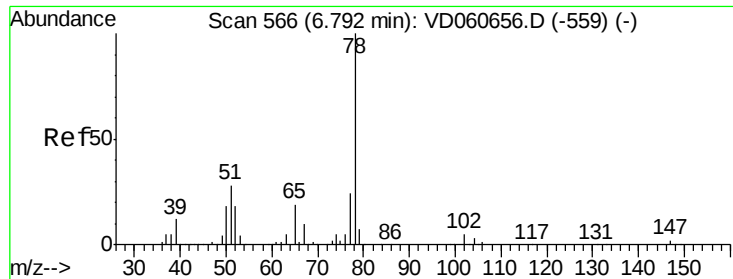
Tgt Ion: 42 Resp: 2561
Ion Ratio Lower Upper
42 100
72 8.3 28.0 42.0#
71 0.0 27.0 40.6#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 56 Resp: 29820
Ion Ratio Lower Upper
56 100
69 233.8 23.6 35.4#
84 194.3 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.75 min Scan# 561

Delta R.T. -0.05 min

Lab File: VD060721.D

Acq: 27 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

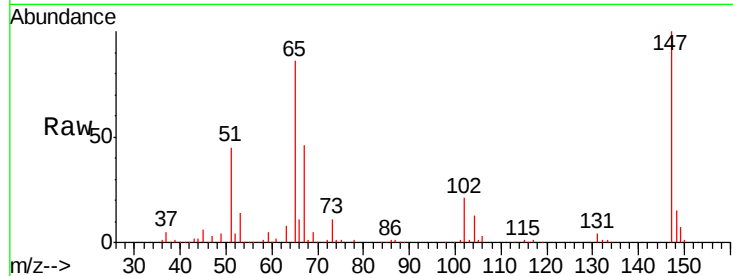
VD1227SBL01

Tgt Ion: 65 Resp: 472867

Ion Ratio Lower Upper

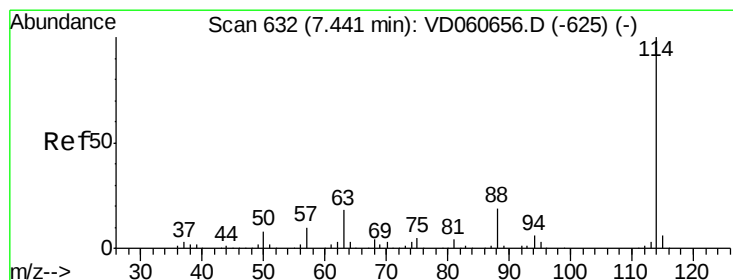
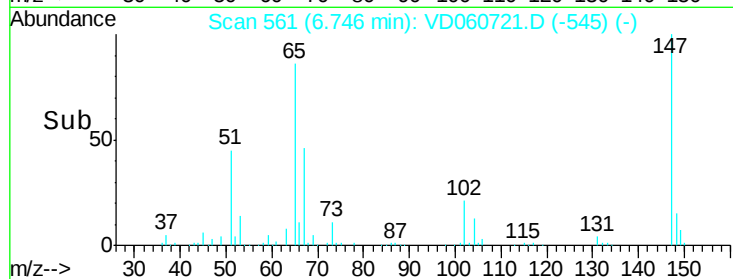
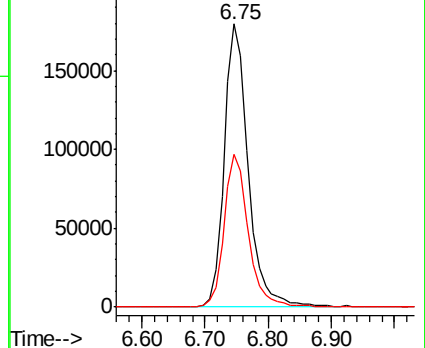
65 100

67 53.8 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: VD060721.D

Acq: 27 Dec 2018 12:38

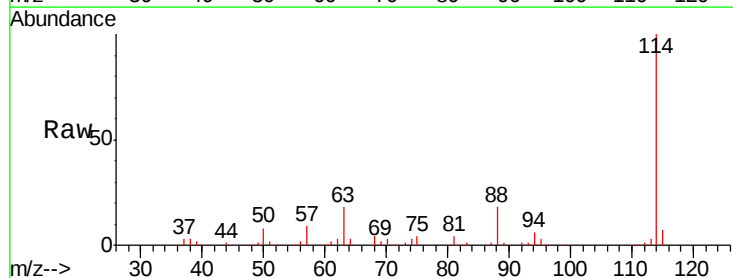
Tgt Ion: 114 Resp: 2126272

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.2

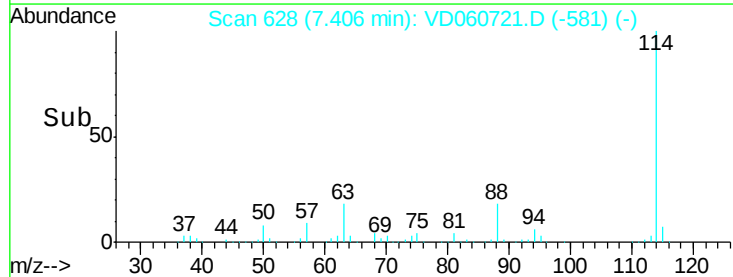
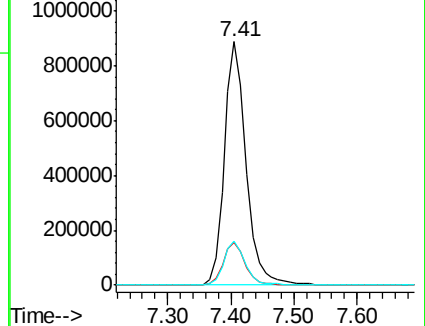
88 17.9 0.0 37.0

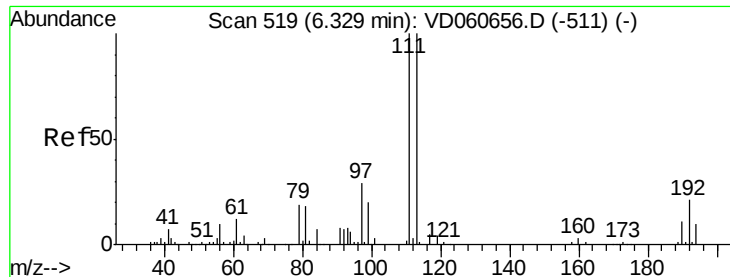


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.28 min Scan# 514

Delta R.T. -0.05 min

Lab File: VD060721.D

Acq: 27 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL01

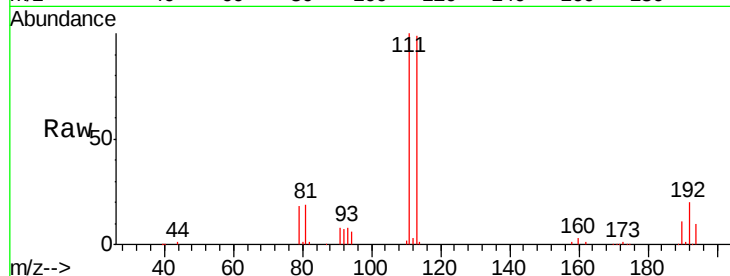
Tgt Ion:113 Resp: 697184

Ion Ratio Lower Upper

113 100

111 100.5 80.0 120.0

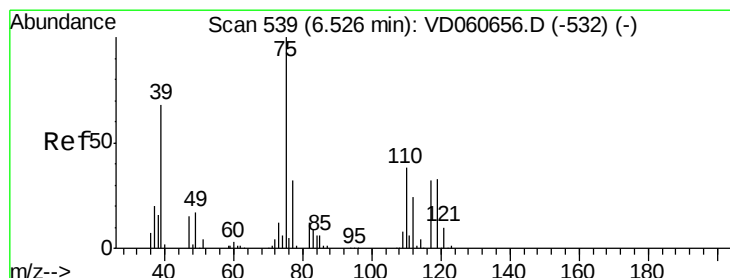
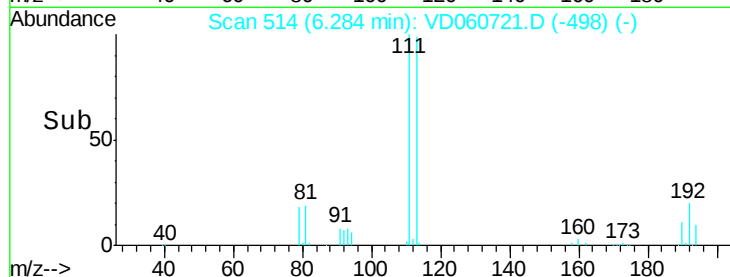
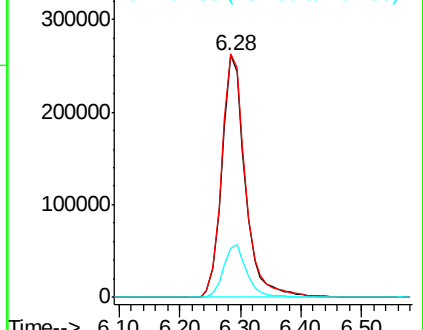
192 20.5 16.6 25.0



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: 4.569 ug/l

RT: 6.36 min Scan# 522

Delta R.T. -0.16 min

Lab File: VD060721.D

Acq: 27 Dec 2018 12:38

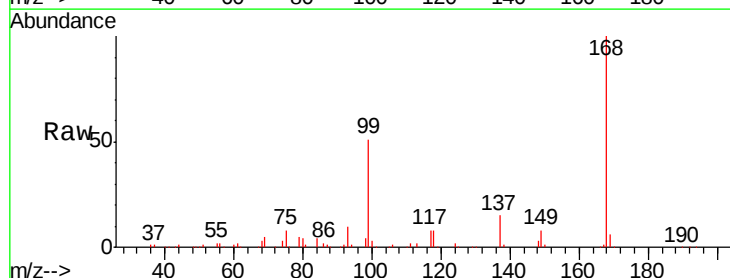
Tgt Ion: 75 Resp: 100037

Ion Ratio Lower Upper

75 100

110 5.7 18.9 56.7#

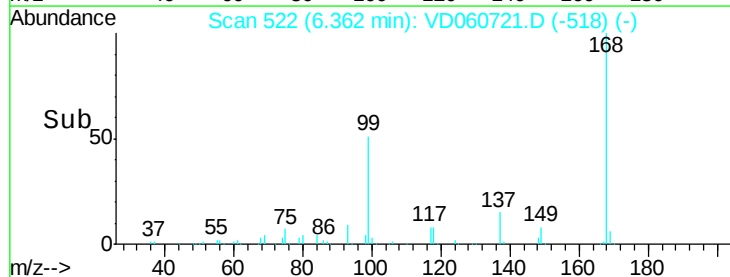
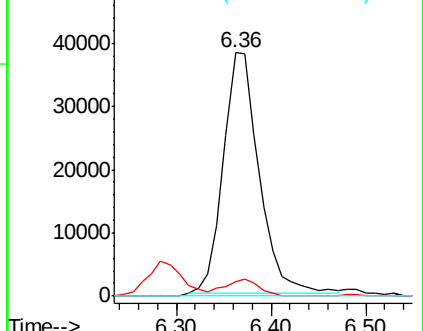
77 0.0 25.4 38.0#

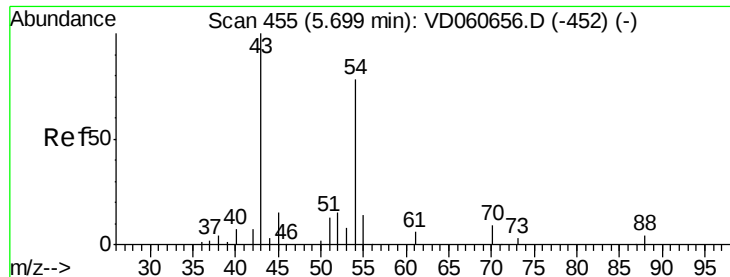


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

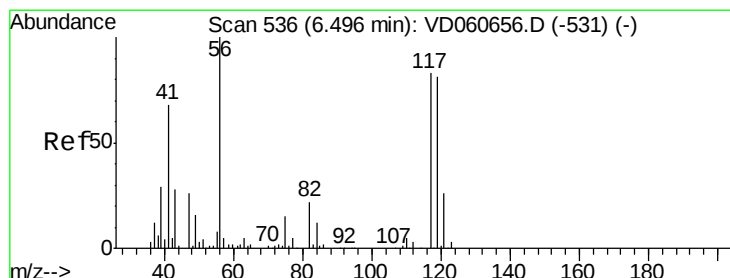
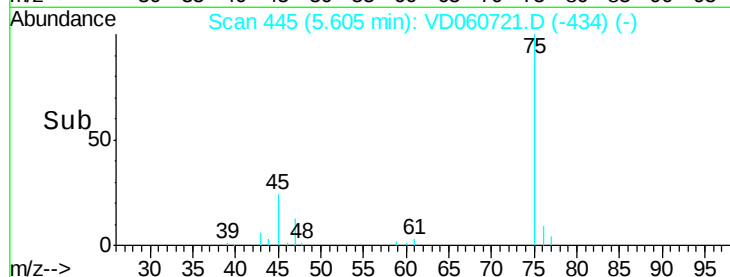
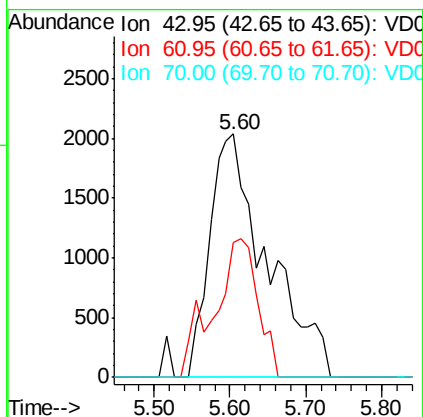
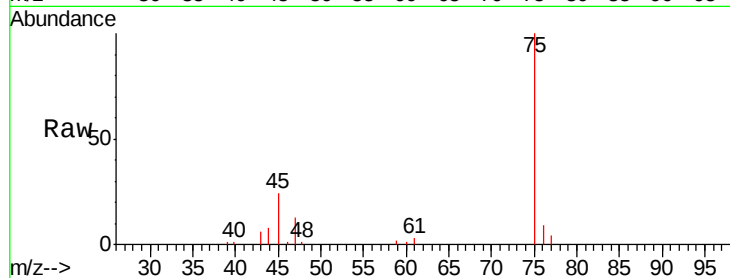




#37
Ethyl Acetate
Concen: 1.168 ug/l
RT: 5.60 min Scan# 445
Delta R.T. -0.09 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

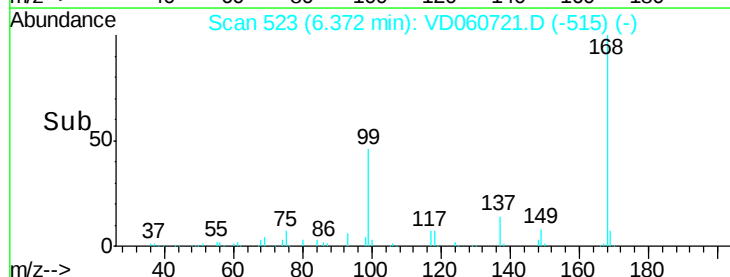
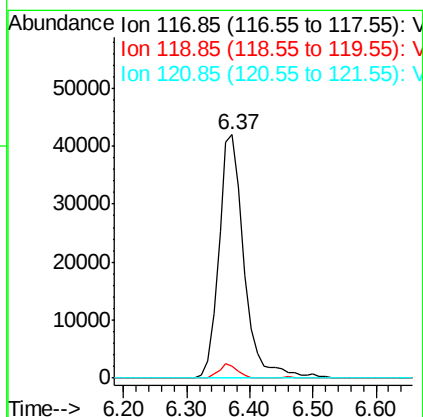
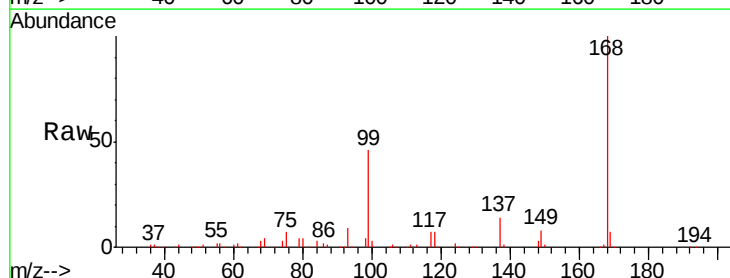
Instrument :
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VD1227SBL01

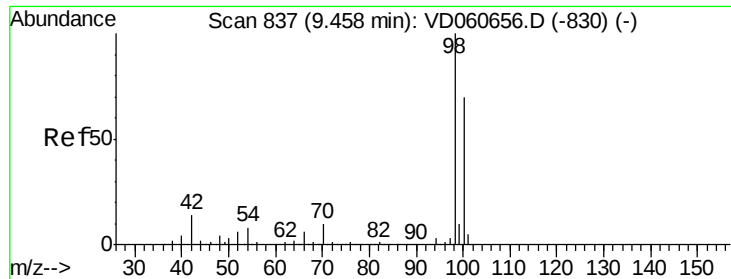
Tgt Ion: 43 Resp: 10699
Ion Ratio Lower Upper
43 100
61 55.6 11.8 17.6#
70 0.0 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 6.37 min Scan# 523
Delta R.T. -0.12 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 117 Resp: 116860
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.4#
121 0.0 24.7 37.1#

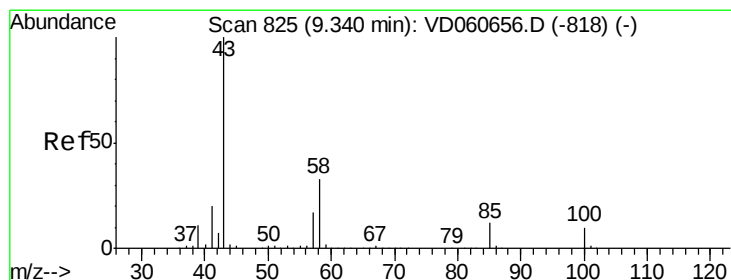
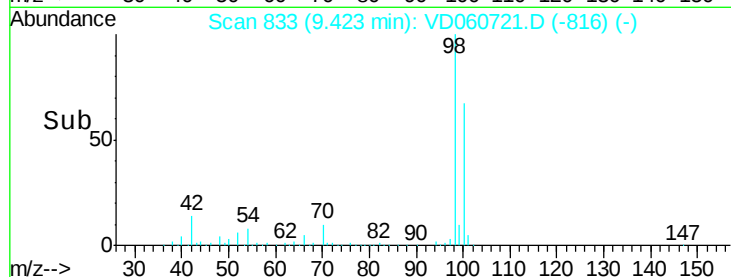
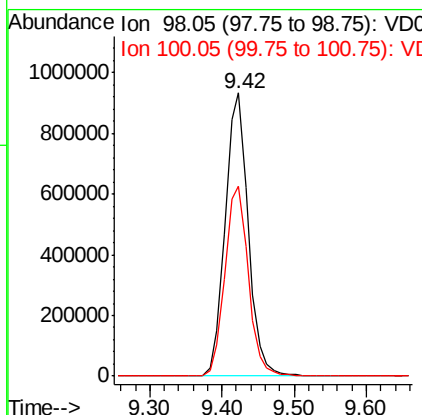
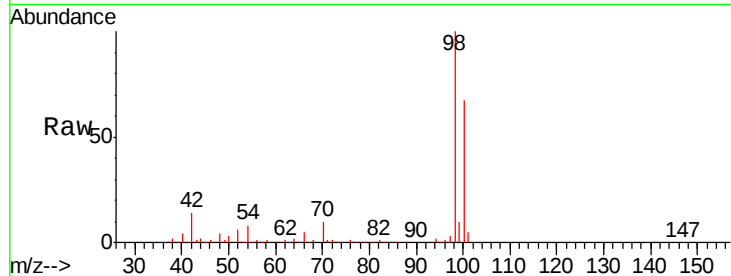




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.04 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

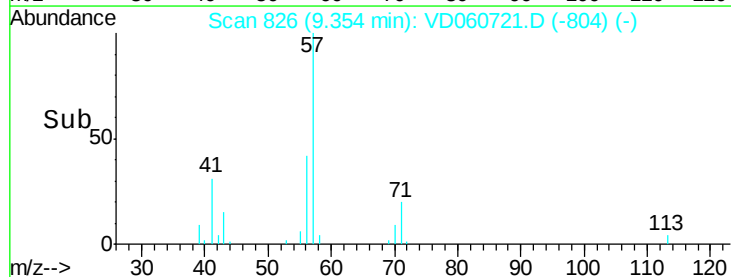
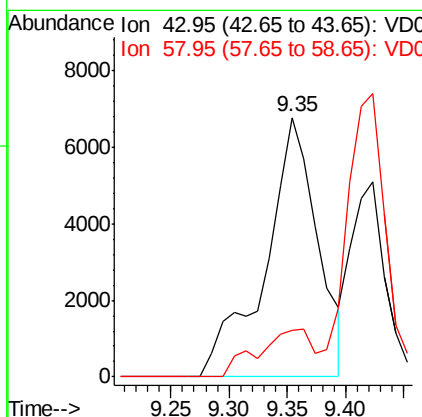
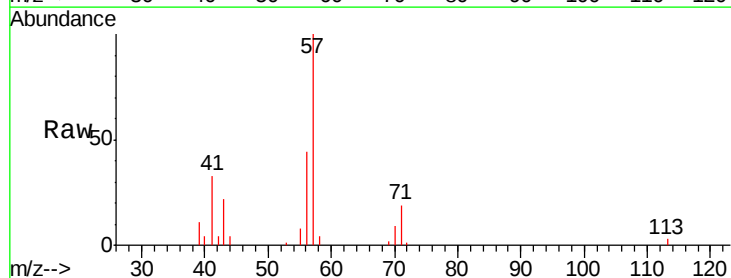
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

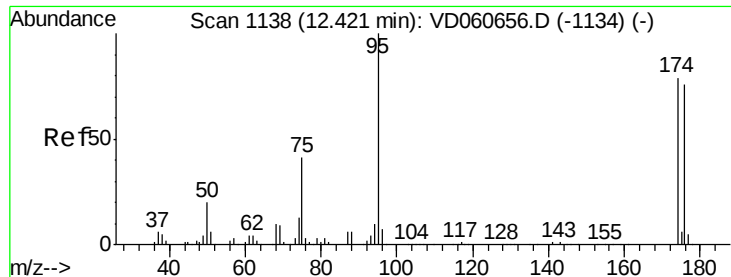
Tgt Ion: 98 Resp: 2070637
Ion Ratio Lower Upper
98 100
100 67.3 55.8 83.8



#51
4-Methyl-2-Pentanone
Concen: 2.923 ug/l
RT: 9.35 min Scan# 826
Delta R.T. 0.01 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 43 Resp: 21041
Ion Ratio Lower Upper
43 100
58 17.9 26.3 39.5#

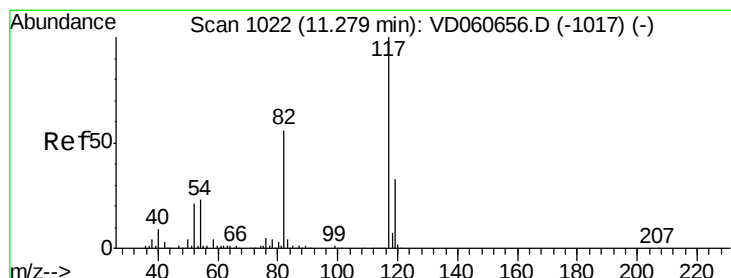
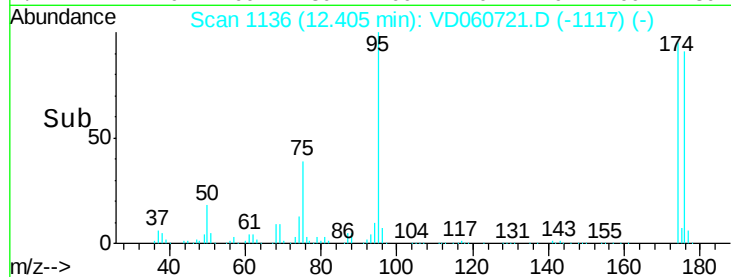
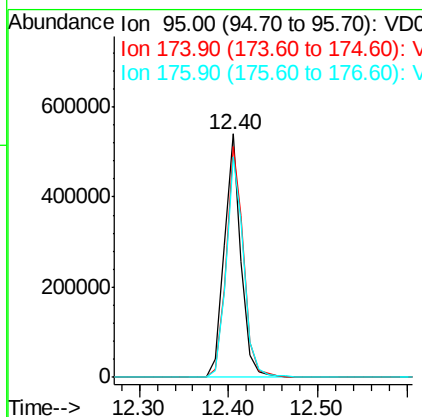
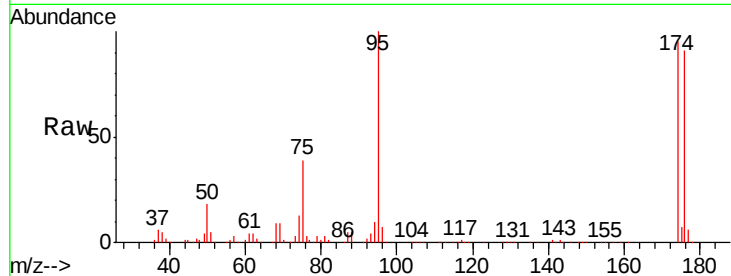




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

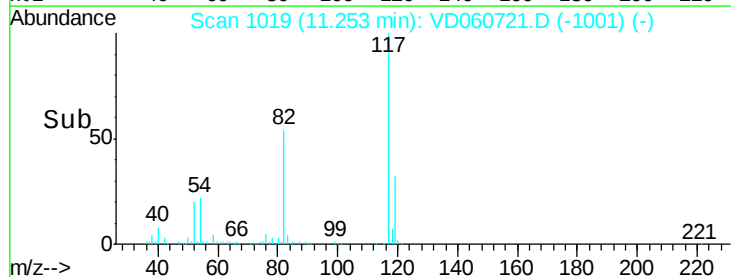
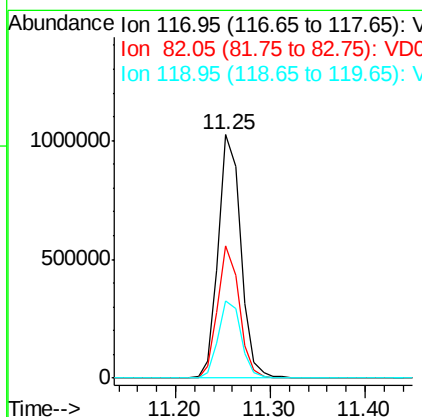
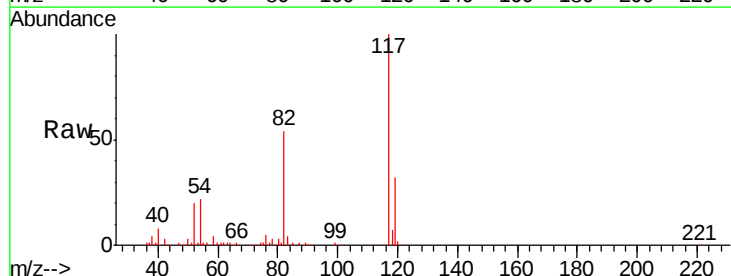
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBL01

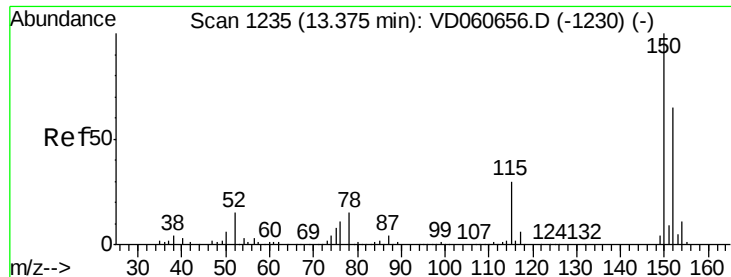
Tgt Ion: 95 Resp: 712972
Ion Ratio Lower Upper
95 100
174 94.6 0.0 158.2
176 90.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060721.D
Acq: 27 Dec 2018 12:38

Tgt Ion: 117 Resp: 1700680
Ion Ratio Lower Upper
117 100
82 54.3 44.5 66.7
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD060721.D

Acq: 27 Dec 2018 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL01

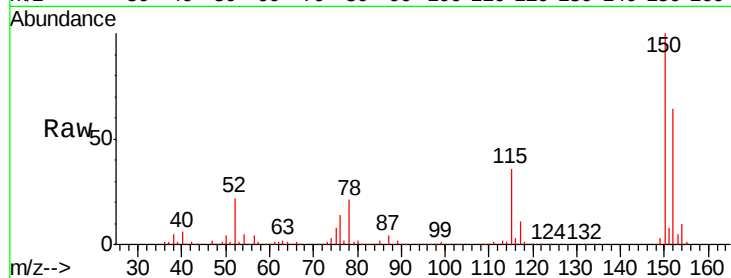
Tgt Ion:152 Resp: 852320

Ion Ratio Lower Upper

152 100

115 55.9 24.1 72.3

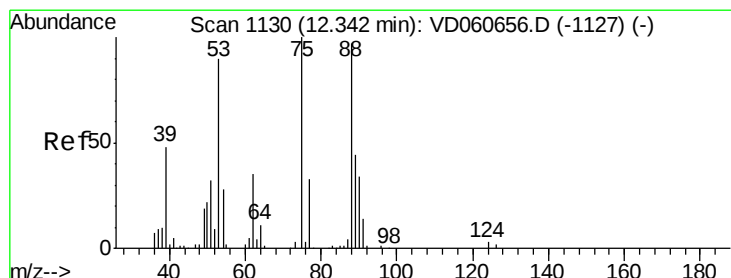
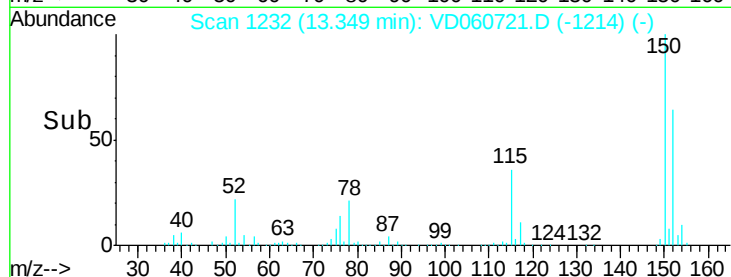
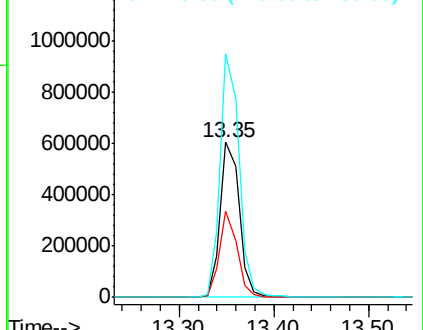
150 156.8 0.0 315.0



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: 105.517 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060721.D

Acq: 27 Dec 2018 12:38

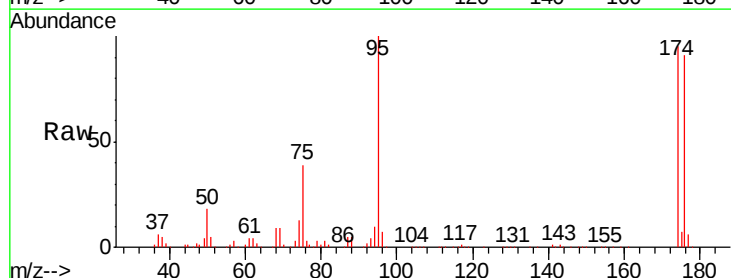
Tgt Ion: 75 Resp: 282926

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

