

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060725.D
 Acq On : 27 Dec 2018 14:39
 Operator : VA/AP
 Sample : J6446-02RE
 Misc : 4.68g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-02RE

Quant Time: Dec 28 01:36:57 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	208264	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	347270	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.25	117	237163	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	70285	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	225147	156.43	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	312.86%	
35) Dibromofluoromethane	6.28	113	208635	82.08	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	164.16%	
50) Toluene-d8	9.42	98	351341	46.33	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	92.66%	
62) 4-Bromofluorobenzene	12.40	95	89858	33.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	67.66%	

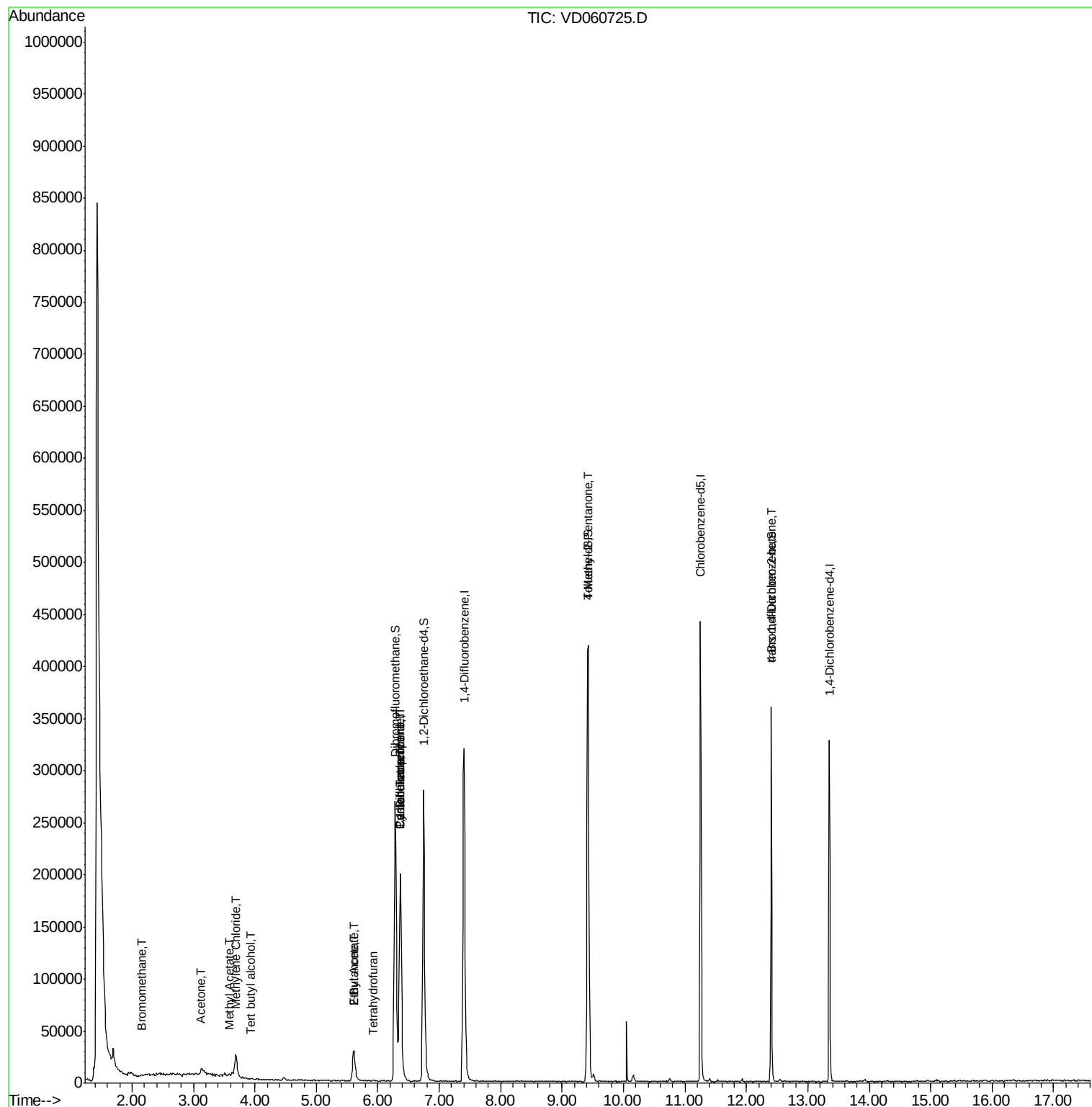
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1183	2.716	ug/l #	2
11) Tert butyl alcohol	3.93	59	178	2.959	ug/l #	74
16) Acetone	3.13	43	11221	44.644	ug/l #	89
18) Methyl Acetate	3.57	43	1361	2.185	ug/l #	63
20) Methylene Chloride	3.69	84	14316	5.484	ug/l	92
25) 2-Butanone	5.60	43	3690	7.672	ug/l #	61
29) Tetrahydrofuran	5.91	42	1127	4.133	ug/l #	40
31) Cyclohexane	6.37	56	3681	1.013	ug/l #	1
36) 1,1-Dichloropropene	6.36	75	12833	3.589	ug/l #	45
37) Ethyl Acetate	5.60	43	3690	2.467	ug/l #	50
38) Carbon Tetrachloride	6.37	117	15656	4.963	ug/l #	16
51) 4-Methyl-2-Pentanone	9.41	43	1784	1.517	ug/l #	46
81) trans-1,4-Dichloro-2-buten	12.40	75	35777	161.806	ug/l #	13

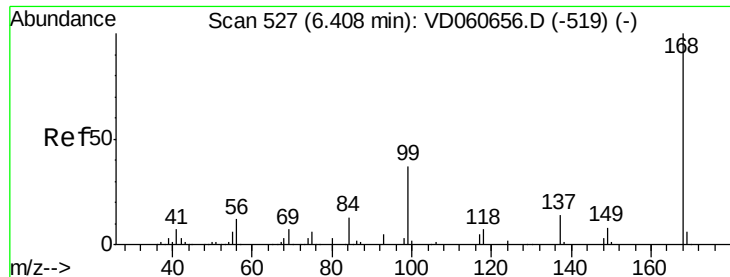
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060725.D

Acq: 27 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

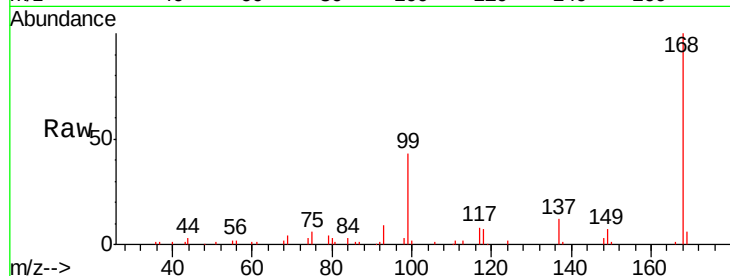
P001-SS025-1218-02RE

Tgt Ion:168 Resp: 208264

Ion Ratio Lower Upper

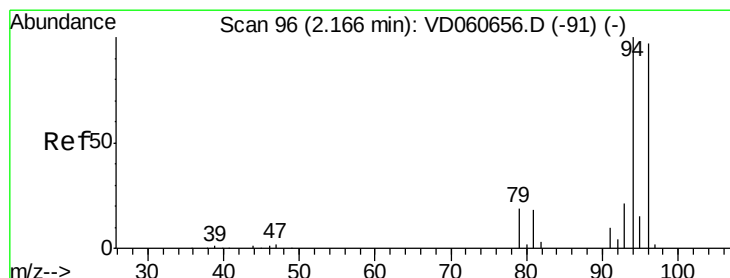
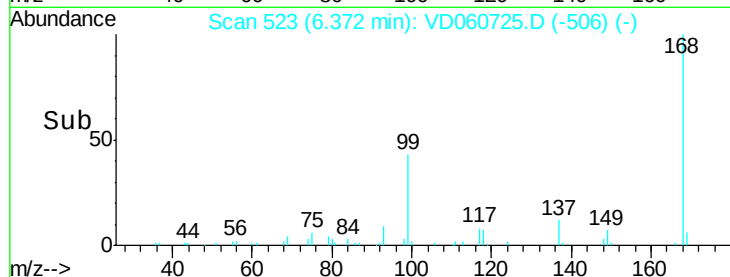
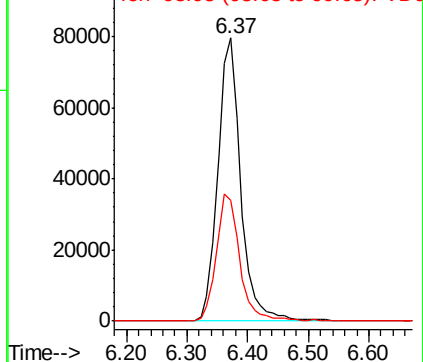
168 100

99 42.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.716 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.00 min

Lab File: VD060725.D

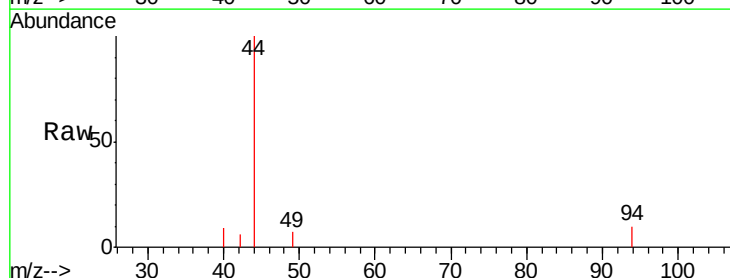
Acq: 27 Dec 2018 14:39

Tgt Ion: 94 Resp: 1183

Ion Ratio Lower Upper

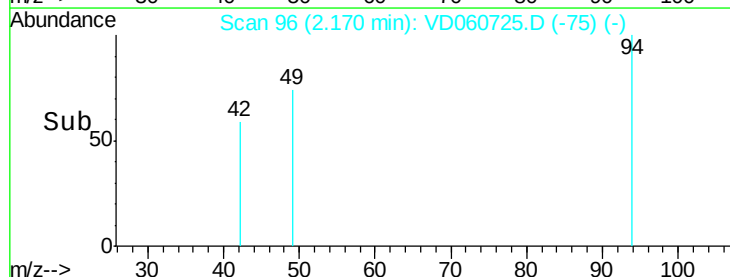
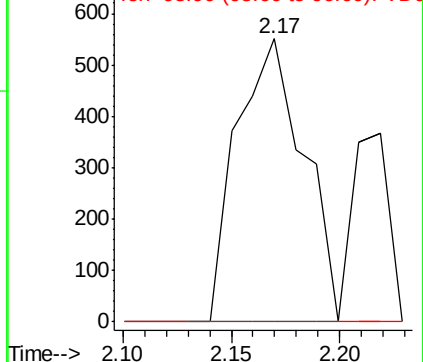
94 100

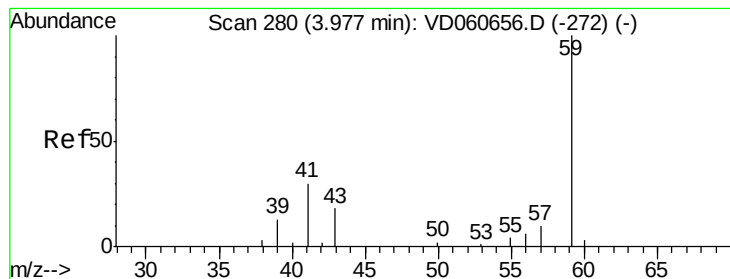
96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Tert butyl alcohol

Concen: 2.959 ug/l

RT: 3.93 min Scan# 275

Delta R.T. -0.05 min

Lab File: VD060725.D

Acq: 27 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

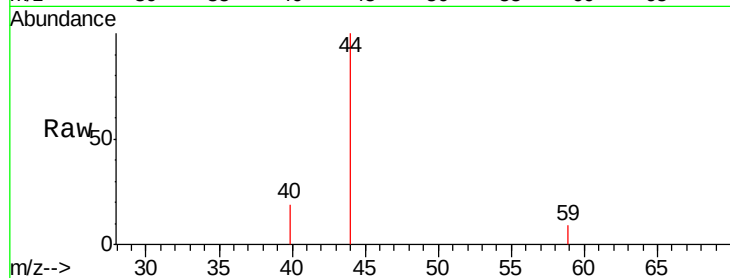
P001-SS025-1218-02RE

Tgt Ion: 59 Resp: 178

Ion Ratio Lower Upper

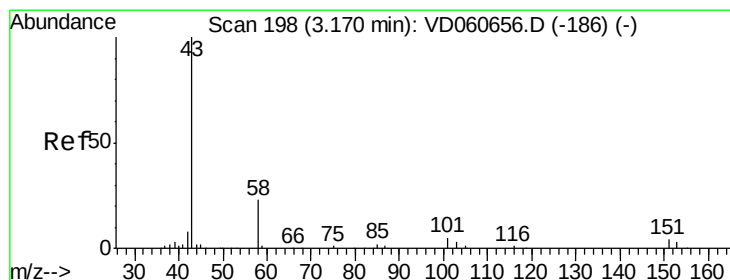
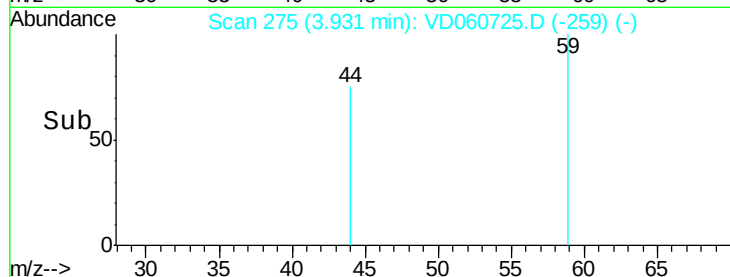
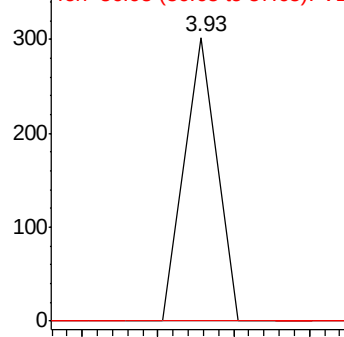
59 100

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: 44.644 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060725.D

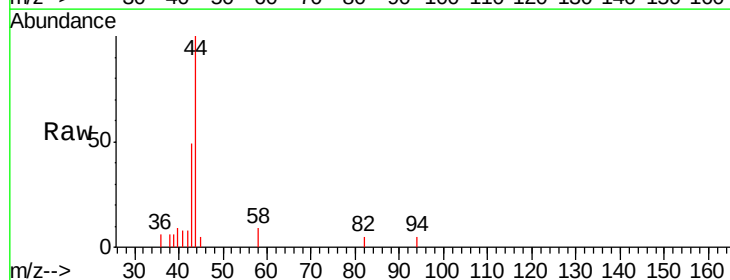
Acq: 27 Dec 2018 14:39

Tgt Ion: 43 Resp: 11221

Ion Ratio Lower Upper

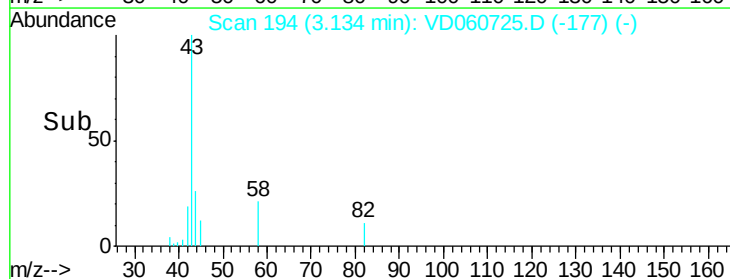
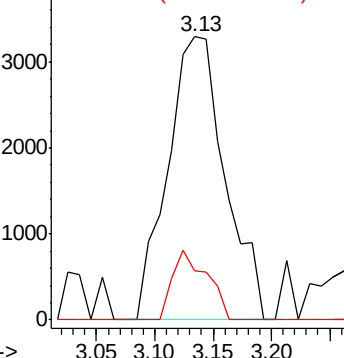
43 100

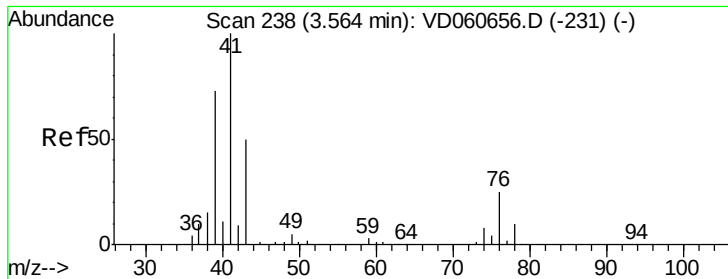
58 17.4 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

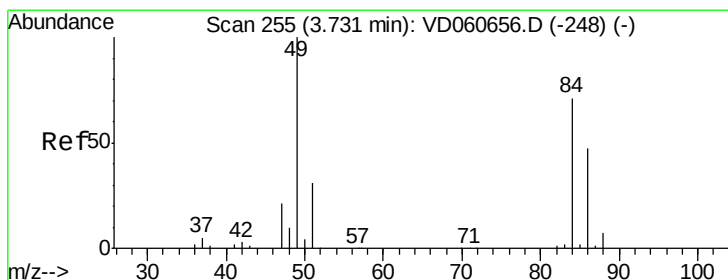
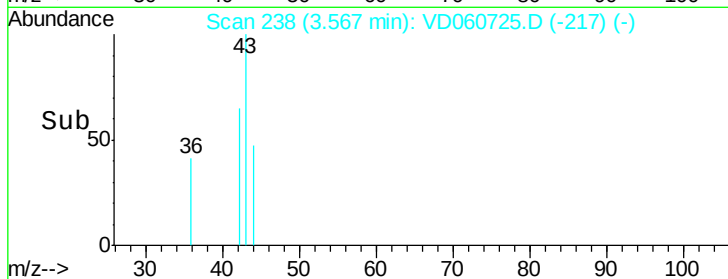
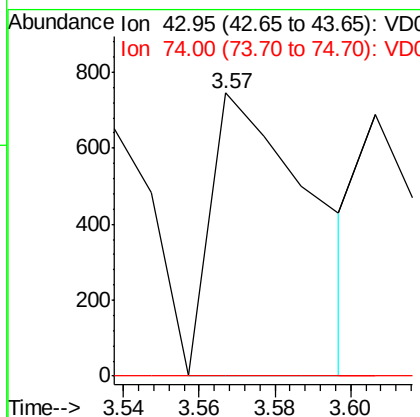
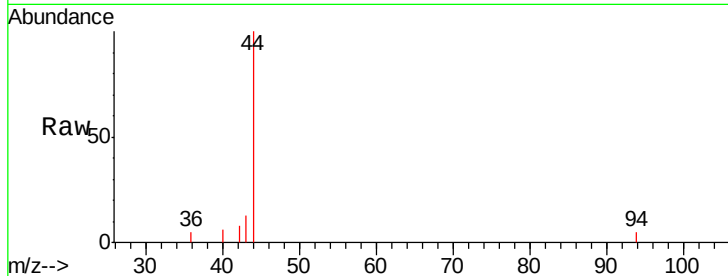




#18
Methyl Acetate
Concen: 2.185 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.00 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

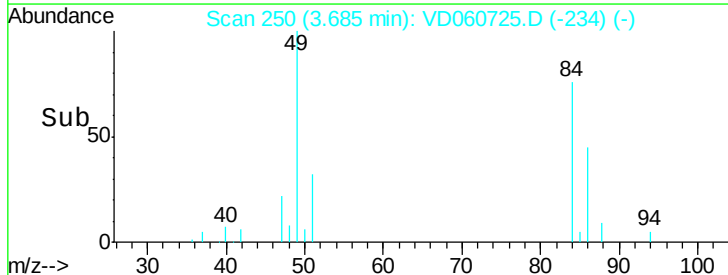
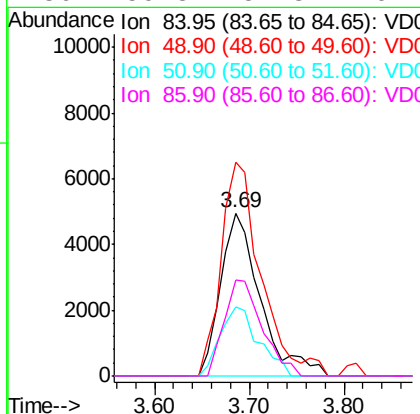
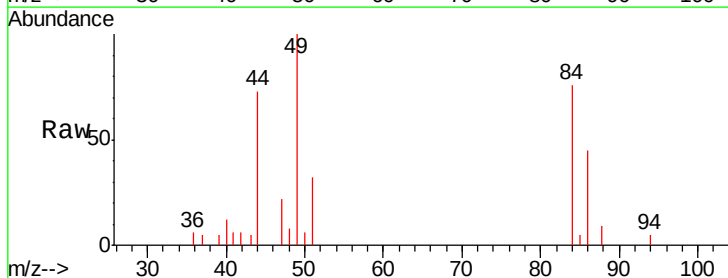
Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-02RE

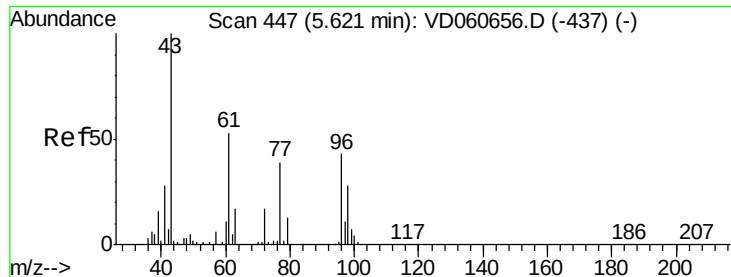
Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 5.484 ug/l
RT: 3.69 min Scan# 250
Delta R.T. -0.05 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Tgt Ion: 84 Resp: 14316
Ion Ratio Lower Upper
84 100
49 131.1 113.6 170.4
51 42.2 34.7 52.1
86 59.3 52.8 79.2

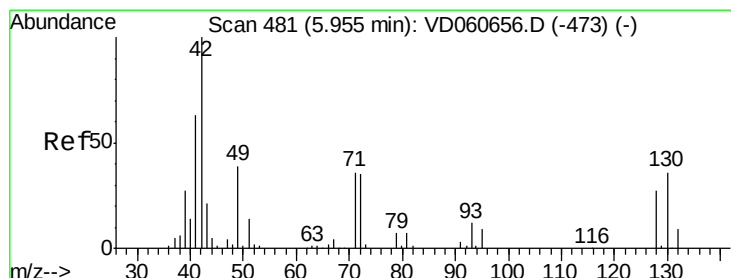
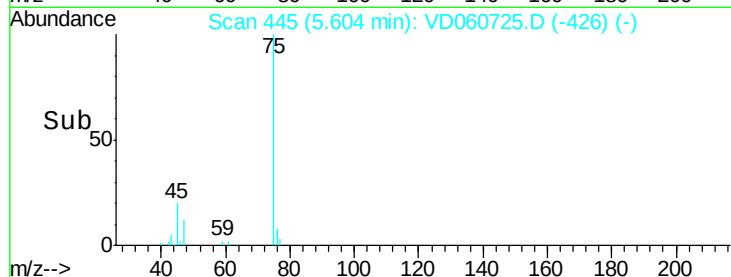
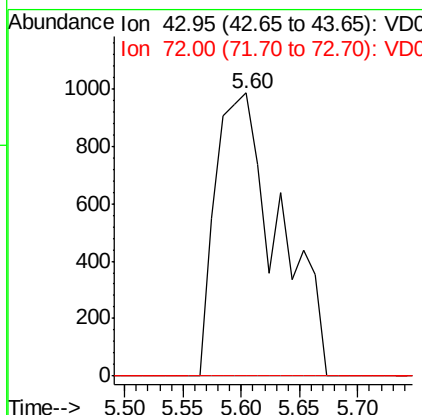
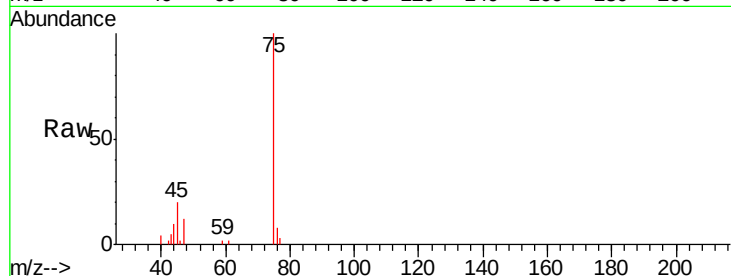




#25
 2-Butanone
 Concen: 7.672 ug/l
 RT: 5.60 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VD060725.D
 Acq: 27 Dec 2018 14:39

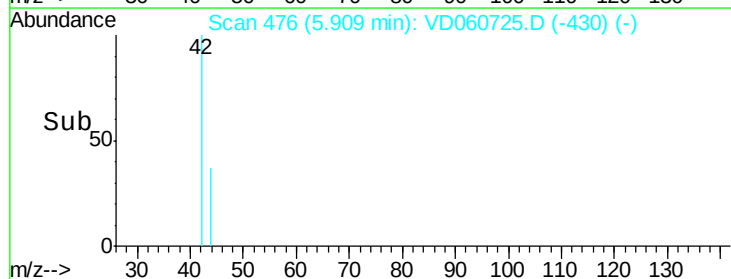
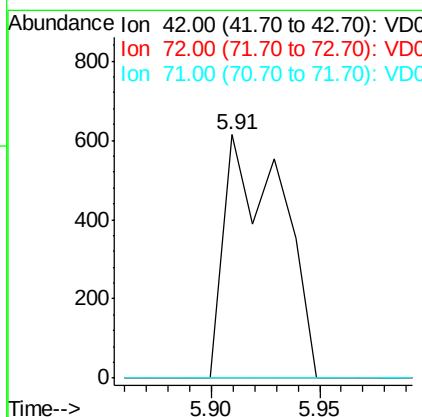
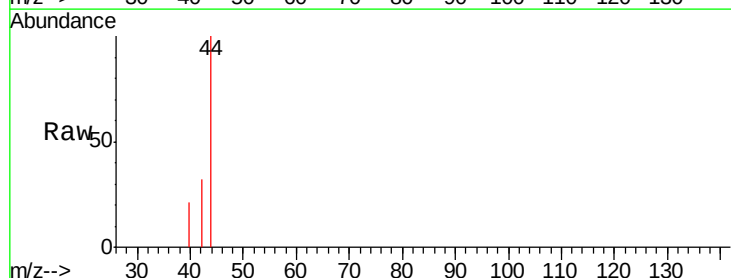
Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS025-1218-02RE

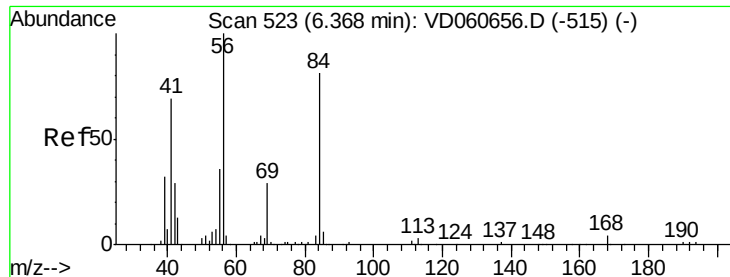
Tgt Ion: 43 Resp: 3690
 Ion Ratio Lower Upper
 43 100
 72 0.0 13.7 20.5#



#29
 Tetrahydrofuran
 Concen: 4.133 ug/l
 RT: 5.91 min Scan# 476
 Delta R.T. -0.05 min
 Lab File: VD060725.D
 Acq: 27 Dec 2018 14:39

Tgt Ion: 42 Resp: 1127
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.0 42.0#
 71 0.0 27.0 40.6#

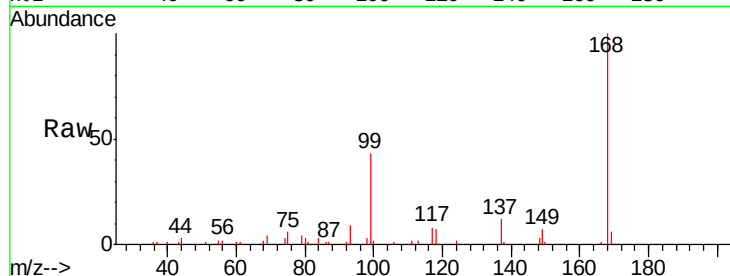




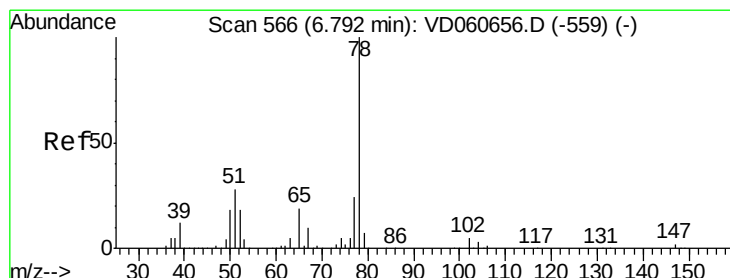
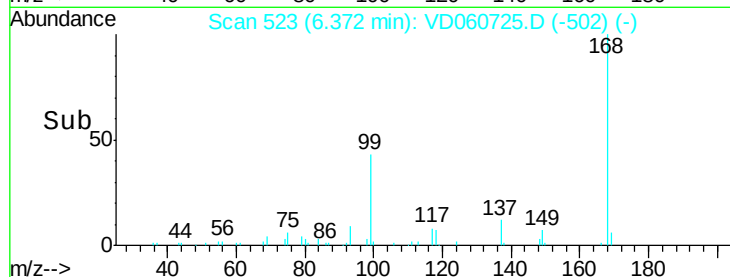
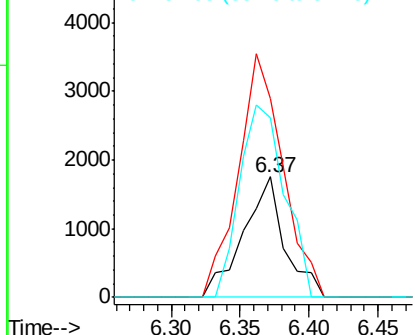
#31
Cyclohexane
Concen: 1.013 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-02RE

Tgt Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 164.9 23.6 35.4#
84 149.1 65.8 98.6#

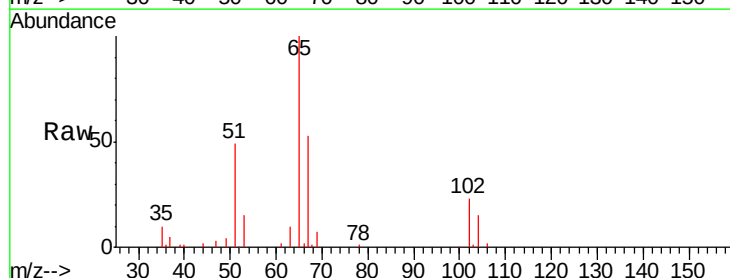


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

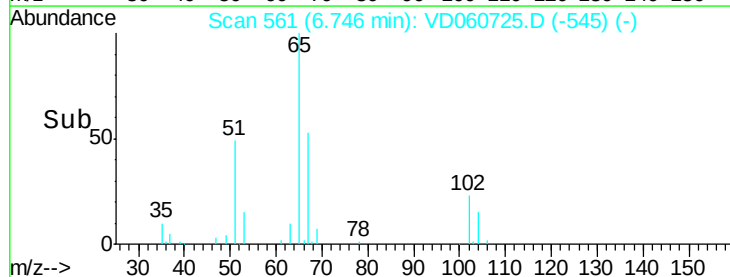
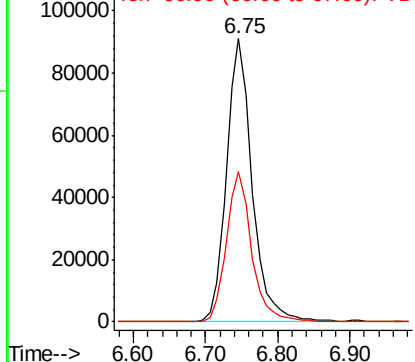


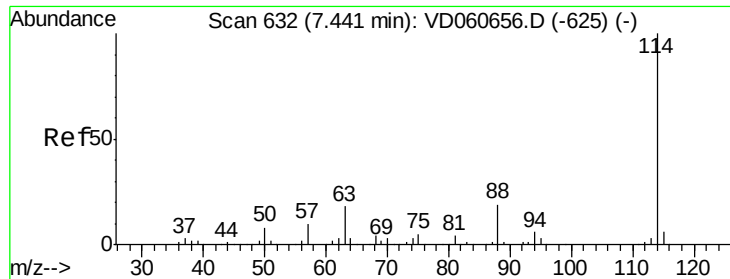
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 561
Delta R.T. -0.05 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Tgt Ion: 65 Resp: 225147
Ion Ratio Lower Upper
65 100
67 53.2 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: VD060725.D

Acq: 27 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-02RE

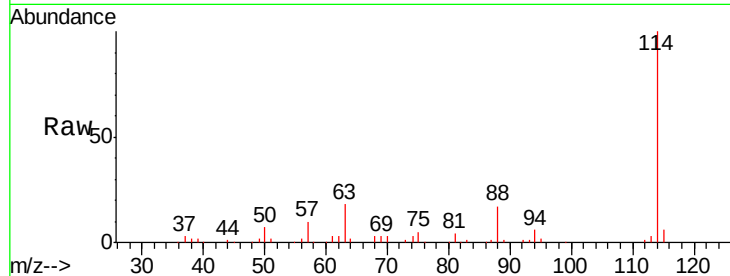
Tgt Ion:114 Resp: 347270

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

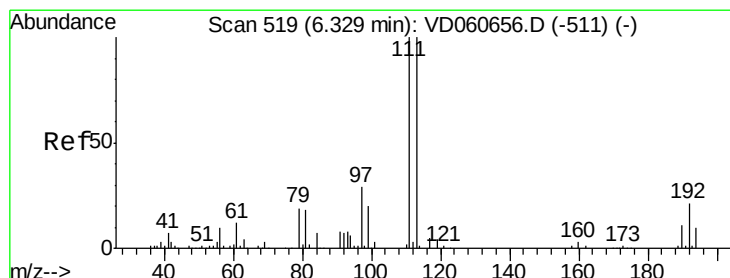
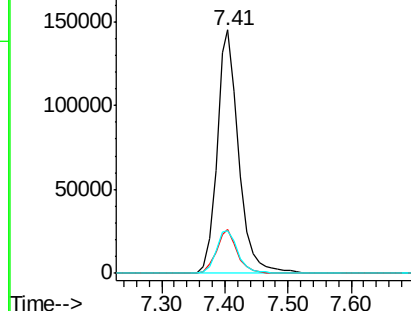
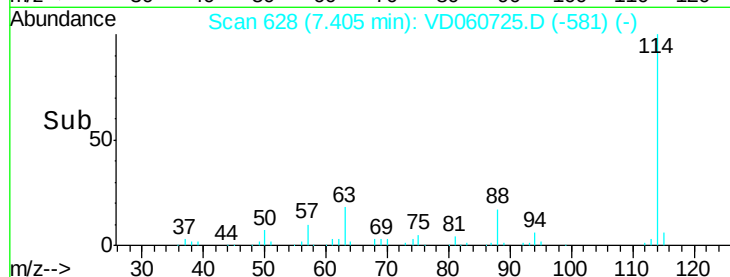
88 17.4 0.0 37.0



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: 6.28 min Scan# 514

Delta R.T. -0.05 min

Lab File: VD060725.D

Acq: 27 Dec 2018 14:39

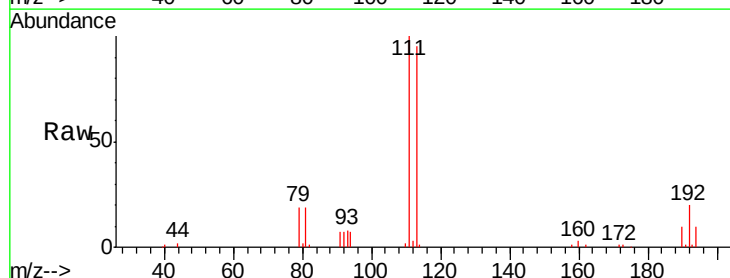
Tgt Ion:113 Resp: 208635

Ion Ratio Lower Upper

113 100

111 104.8 80.0 120.0

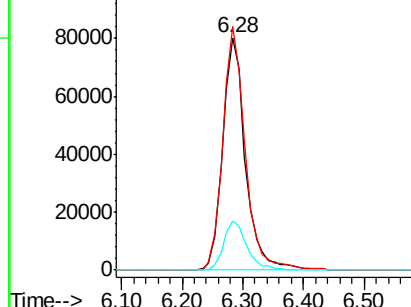
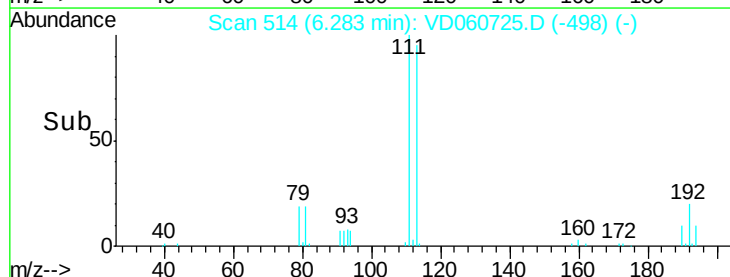
192 21.1 16.6 25.0

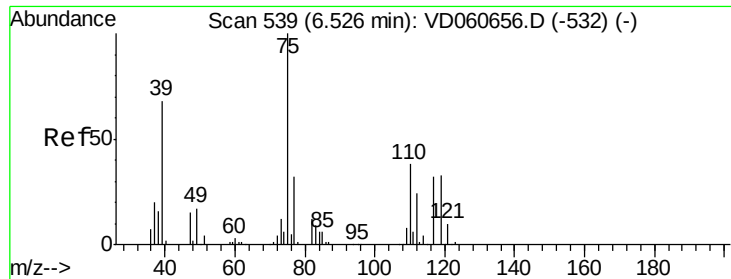


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

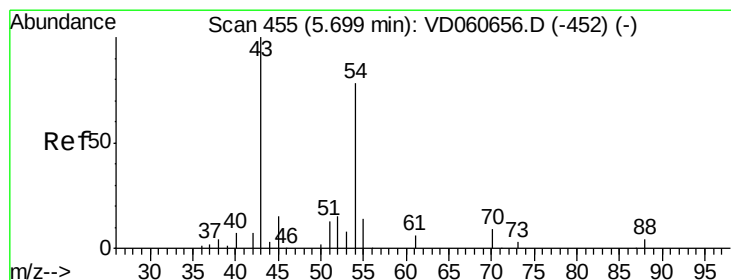
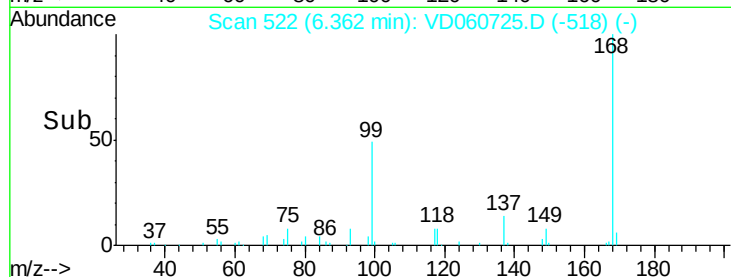
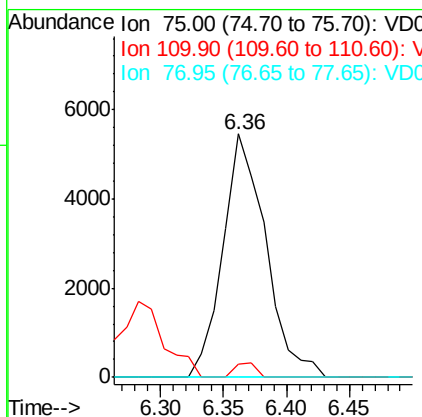
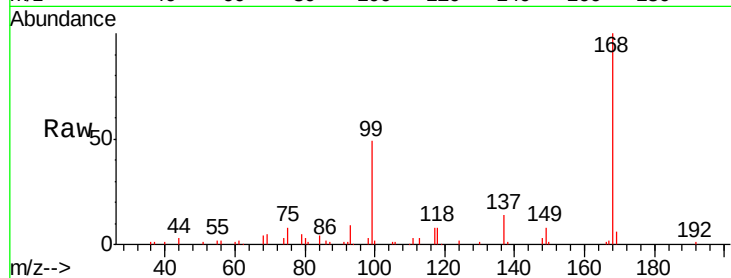




#36
 1,1-Dichloropropene
 Concen: 3.589 ug/l
 RT: 6.36 min Scan# 522
 Delta R.T. -0.16 min
 Lab File: VD060725.D
 Acq: 27 Dec 2018 14:39

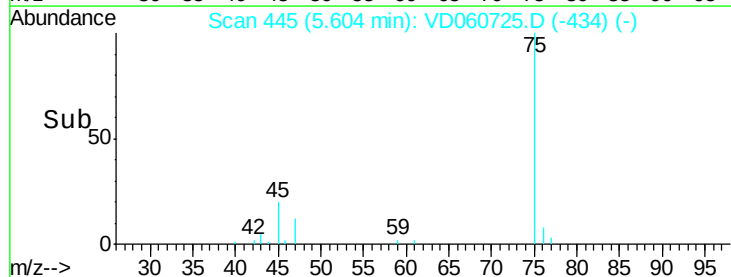
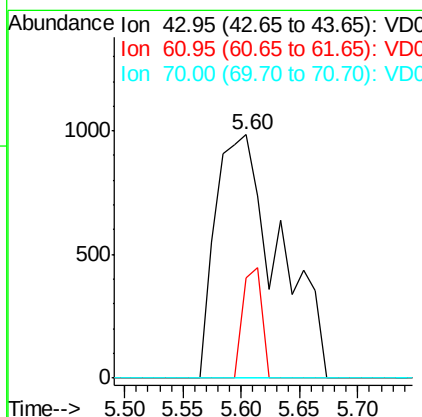
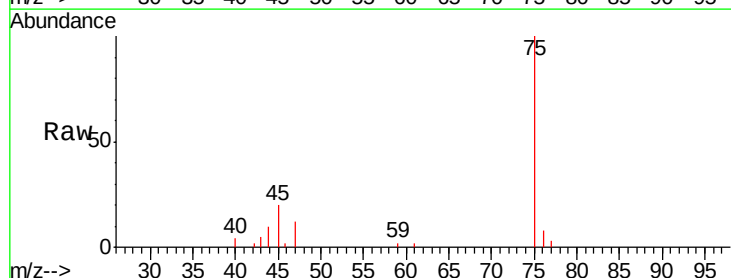
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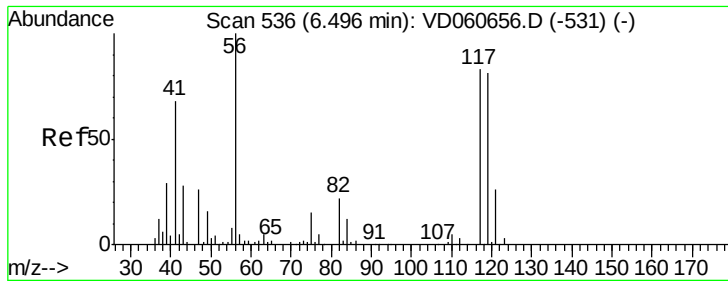
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.6	18.9	56.7#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: 2.467 ug/l
 RT: 5.60 min Scan# 445
 Delta R.T. -0.10 min
 Lab File: VD060725.D
 Acq: 27 Dec 2018 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	41.3	11.8	17.6#
70	0.0	5.8	8.6#





#38

Carbon Tetrachloride

Concen: 4.963 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.12 min

Lab File: VD060725.D

Acq: 27 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-02RE

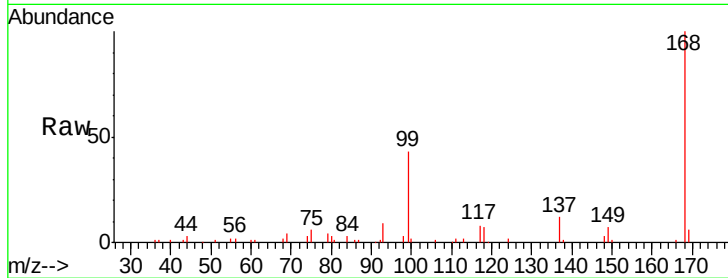
Tgt Ion:117 Resp: 15656

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.4#

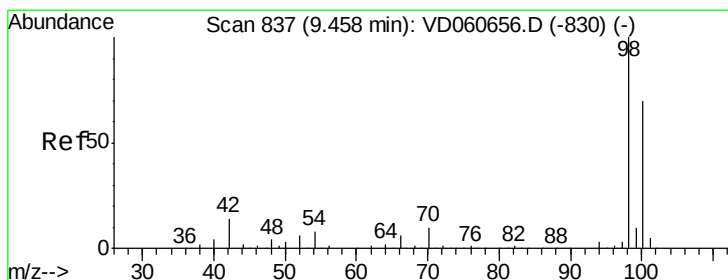
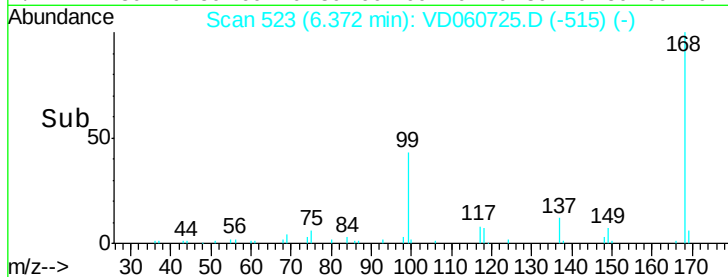
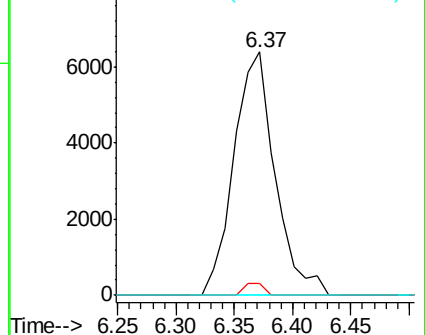
121 0.0 24.7 37.1#



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: VD060725.D

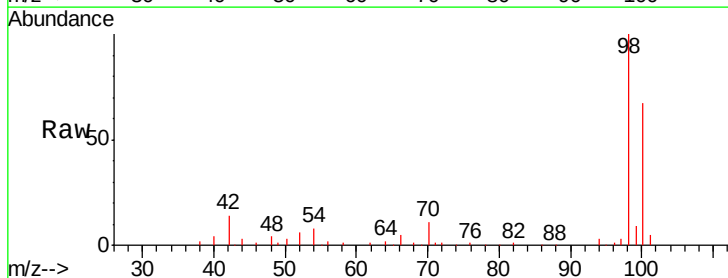
Acq: 27 Dec 2018 14:39

Tgt Ion: 98 Resp: 351341

Ion Ratio Lower Upper

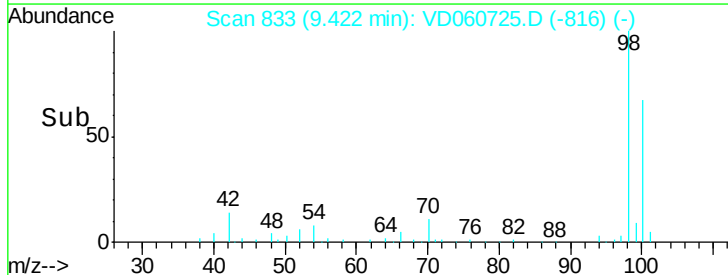
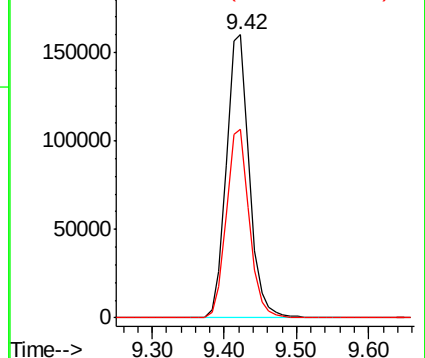
98 100

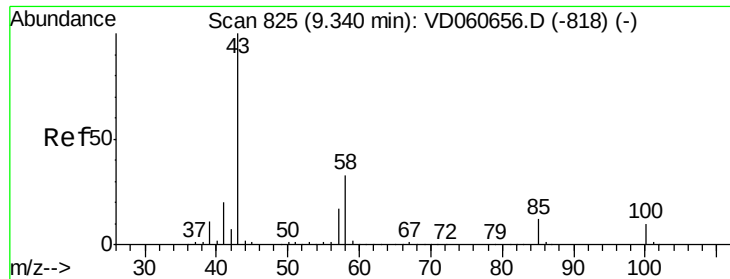
100 66.8 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

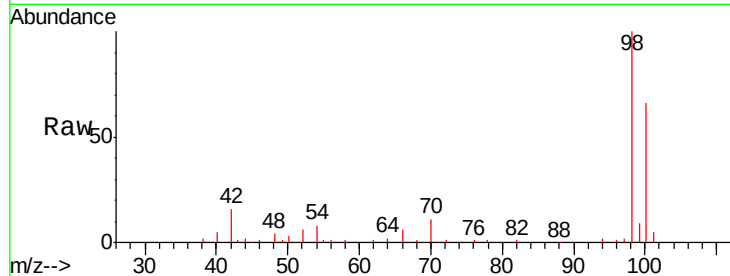




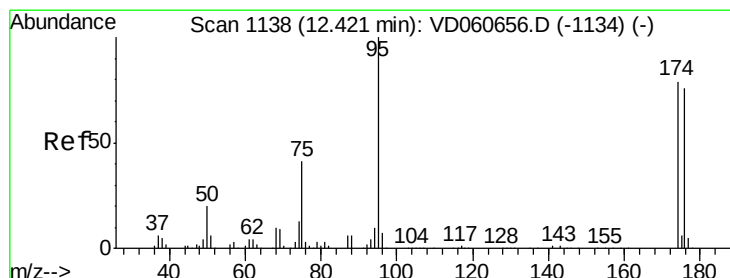
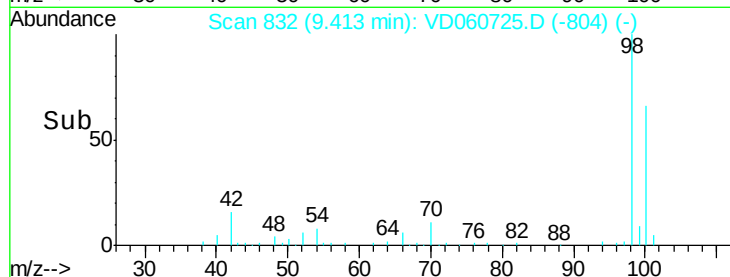
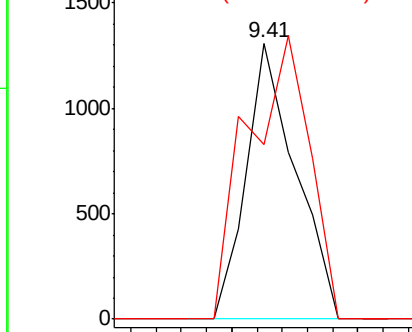
#51
4-Methyl-2-Pentanone
Concen: 1.517 ug/l
RT: 9.41 min Scan# 832
Delta R.T. 0.07 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-02RE

Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 63.3 26.3 39.5#

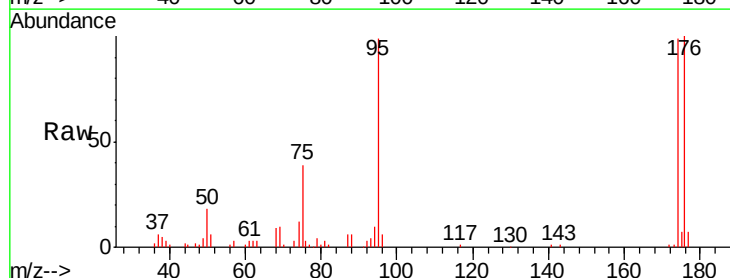


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

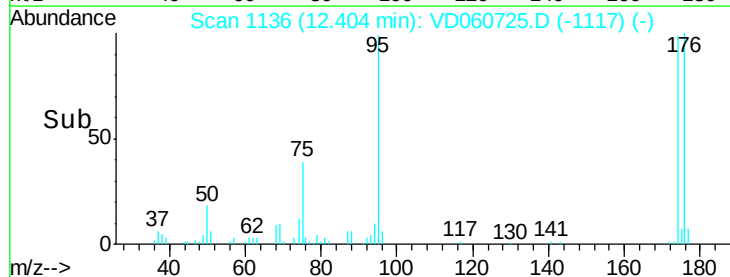
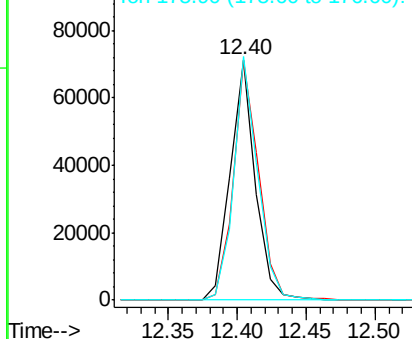


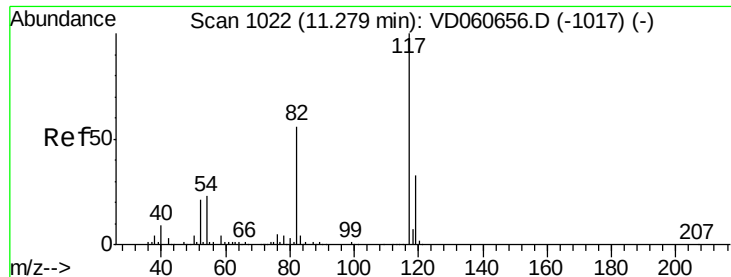
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Tgt Ion: 95 Resp: 89858
Ion Ratio Lower Upper
95 100
174 99.9 0.0 158.2
176 101.4 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

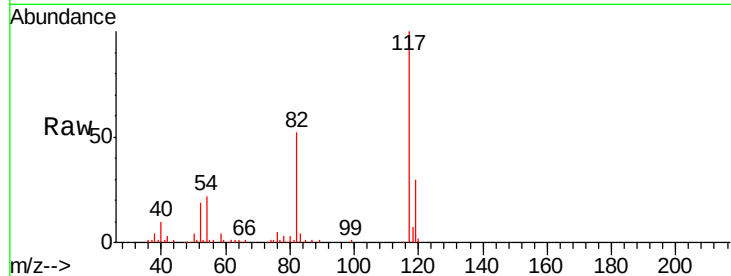




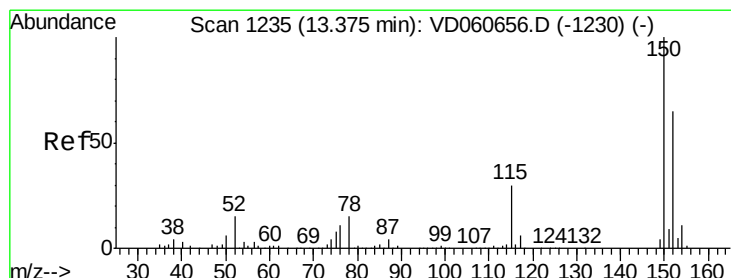
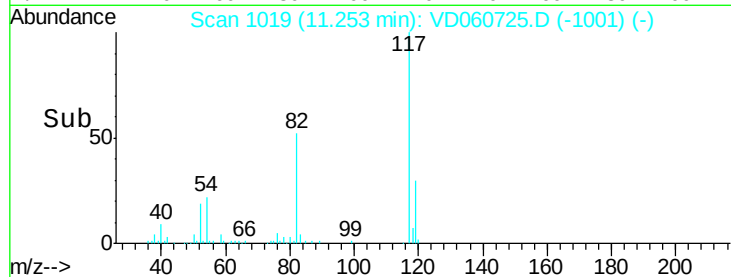
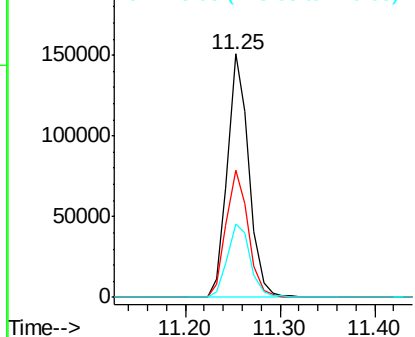
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :
P001-SS025-1218-02RE

Tgt Ion:117 Resp: 237163
Ion Ratio Lower Upper
117 100
82 52.3 44.5 66.7
119 30.0 26.3 39.5

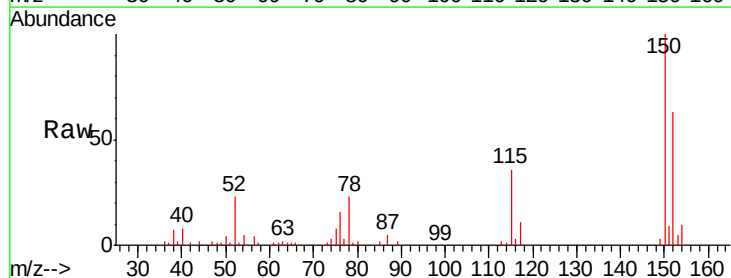


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

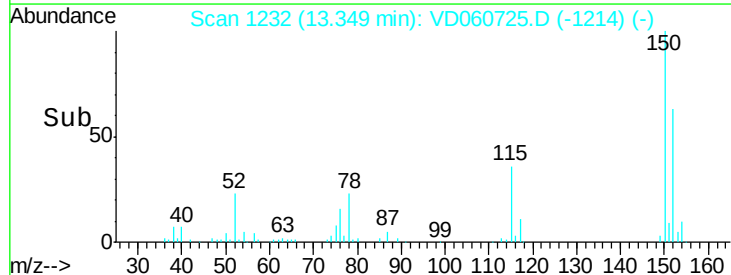
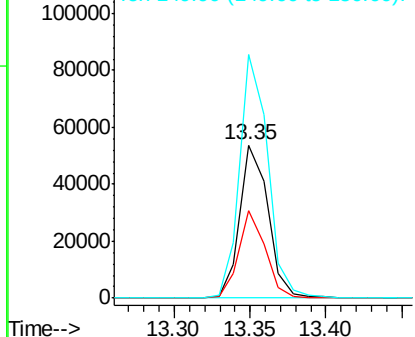


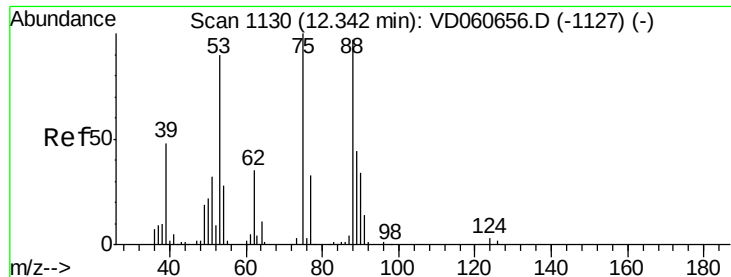
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD060725.D
Acq: 27 Dec 2018 14:39

Tgt Ion:152 Resp: 70285
Ion Ratio Lower Upper
152 100
115 57.6 24.1 72.3
150 159.3 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: 161.806 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060725.D

Acq: 27 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

P001-SS025-1218-02RE

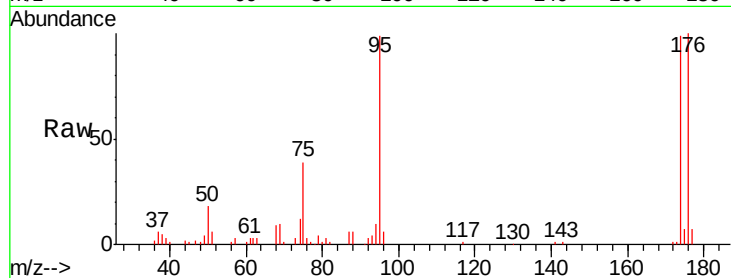
Tgt Ion: 75 Resp: 35777

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

