

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060695.D
 Acq On : 21 Dec 2018 20:31
 Operator : VA/AP
 Sample : J6525-01
 Misc : 5.59g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1(5)

Quant Time: Dec 21 22:29:24 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	6.44	168	977533	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	1405973	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	975418	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	329332	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	431779	63.92	ug/l	0.03
Spiked Amount 50.000			Recovery	=	127.84%	
35) Dibromofluoromethane	6.36	113	537944	52.27	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	9.49	98	1307096	42.57	ug/l	0.03
Spiked Amount 50.000			Recovery	=	85.14%	
62) 4-Bromofluorobenzene	12.45	95	340180	31.63	ug/l	0.03
Spiked Amount 50.000			Recovery	=	63.26%	

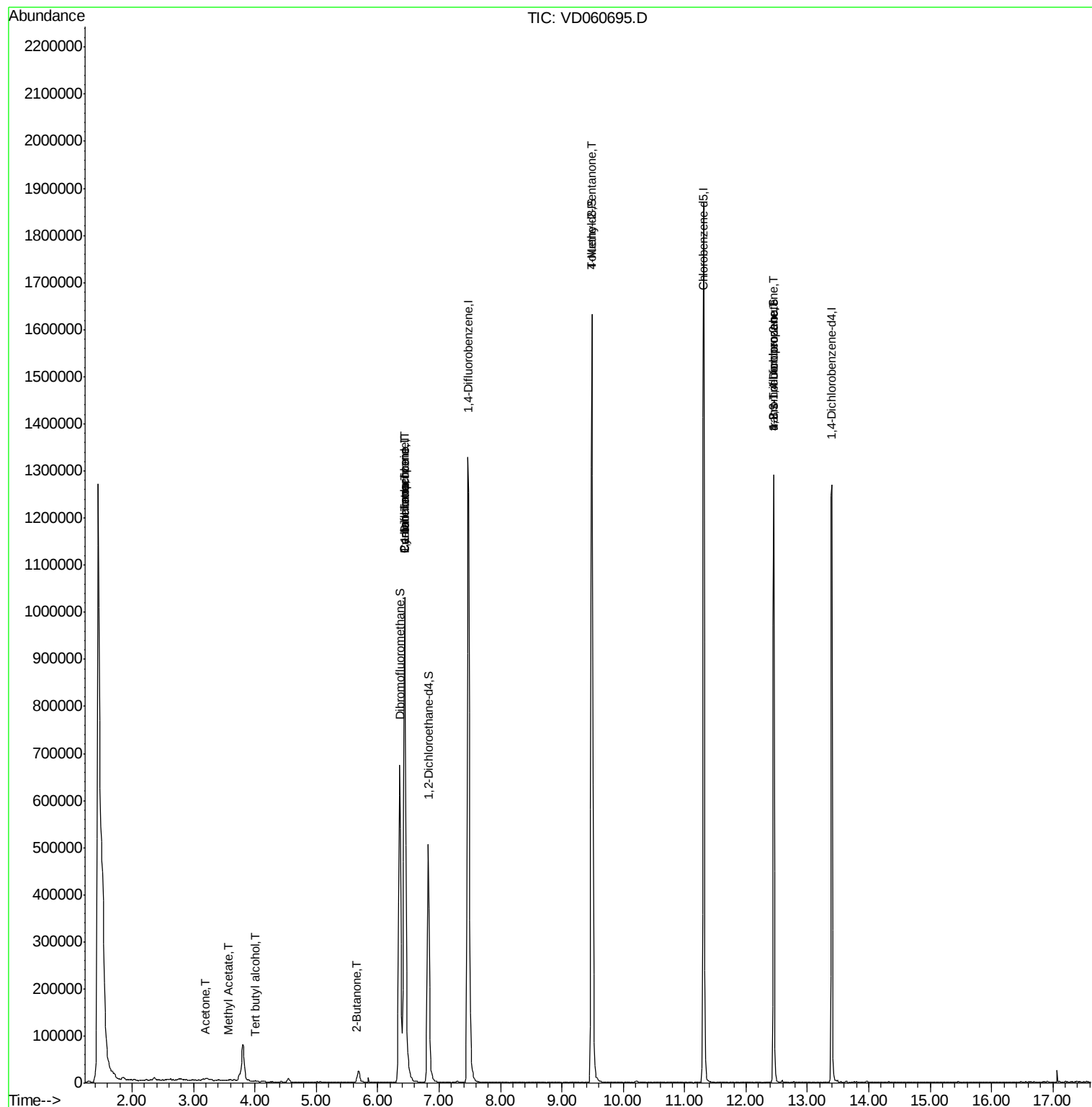
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	625	2.214	ug/l #	74
16) Acetone	3.19	43	9179	7.780	ug/l #	89
18) Methyl Acetate	3.59	43	4338	1.484	ug/l #	63
25) 2-Butanone	5.65	43	2350	1.041	ug/l #	61
31) Cyclohexane	6.44	56	18433	1.080	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	70403	4.863	ug/l #	45
38) Carbon Tetrachloride	6.44	117	77345	6.056	ug/l #	15
51) 4-Methyl-2-Pentanone	9.48	43	6527	1.371	ug/l #	1
76) 1,2,3-Trichloropropane	12.45	75	145970	38.932	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.45	75	145806	140.733	ug/l #	13

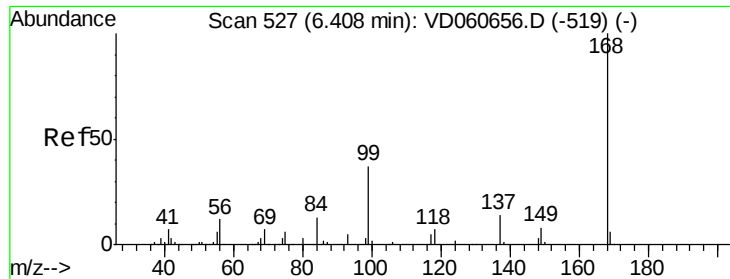
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 22:29:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
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: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampleId :

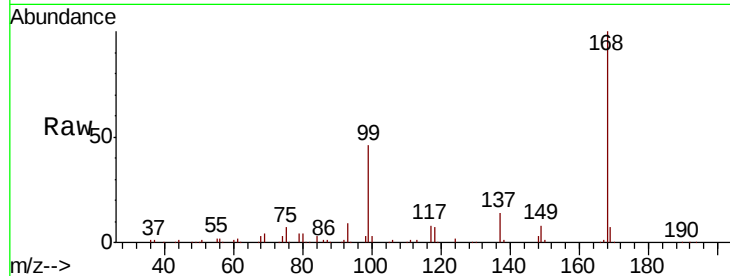
S-1(5)

Tot Ion:168 Resp: 977533

Ion Ratio Lower Upper

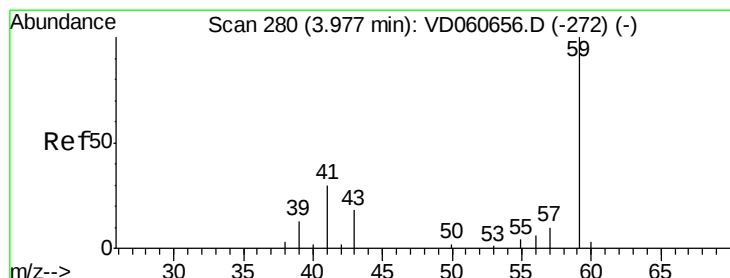
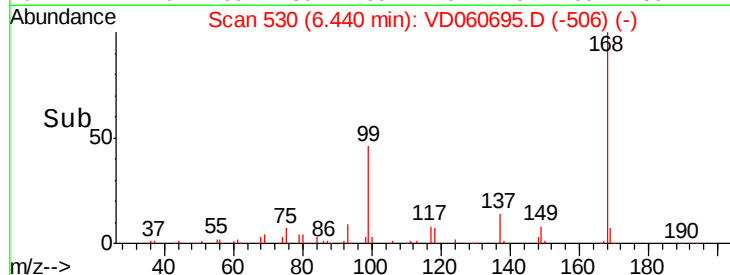
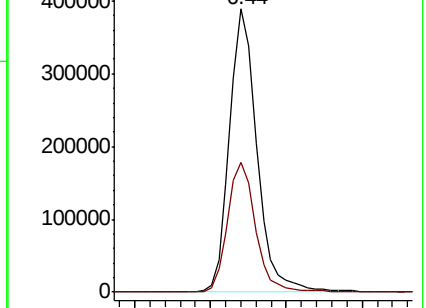
168 100

99 45.9 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: 2.214 ug/l

RT: 4.01 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD060695.D

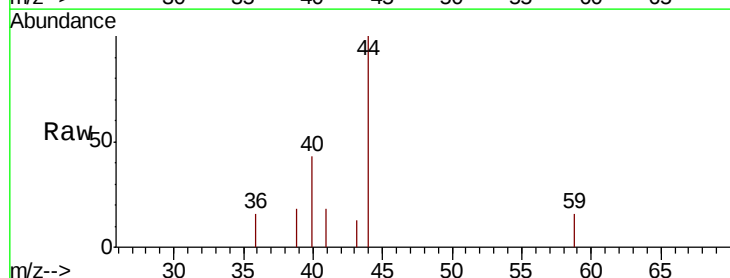
Acq: 21 Dec 2018 20:31

Tgt Ion: 59 Resp: 625

Ion Ratio Lower Upper

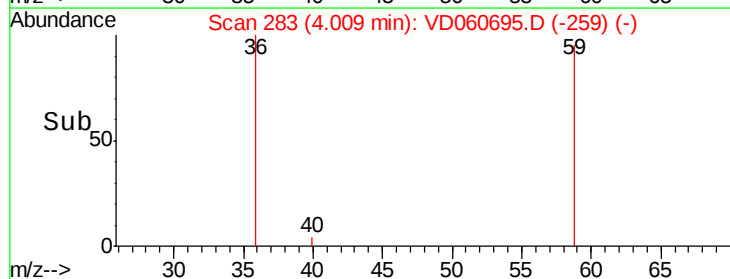
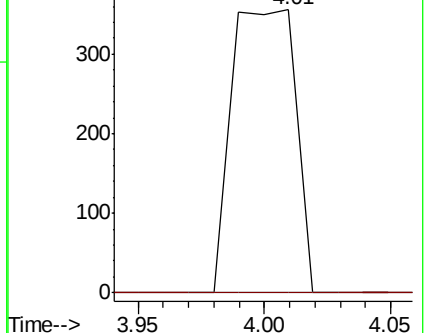
59 100

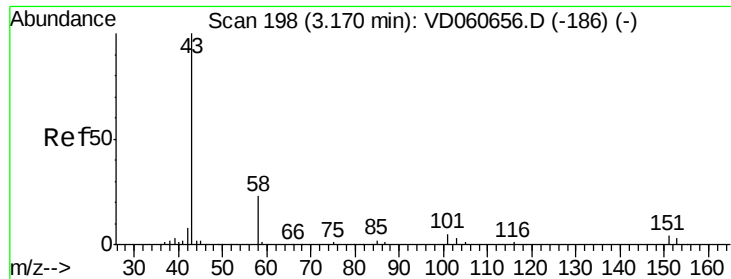
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 7.780 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampleId :

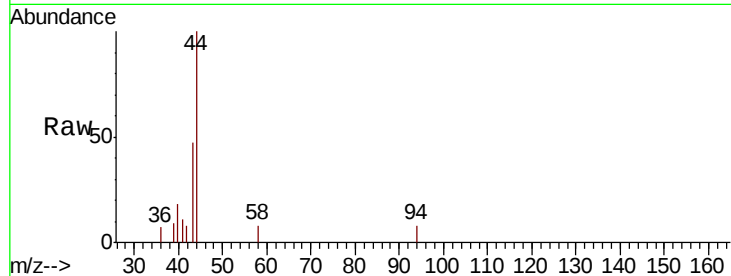
S-1(5)

Tot Ion: 43 Resp: 9179

Ion Ratio Lower Upper

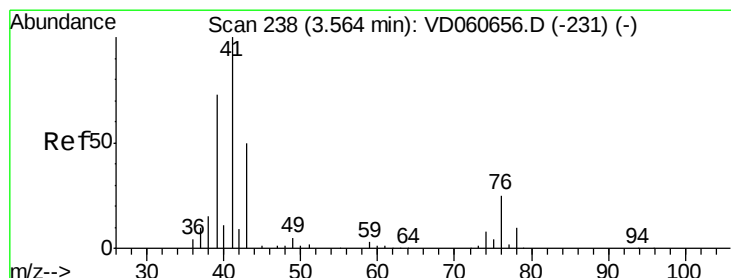
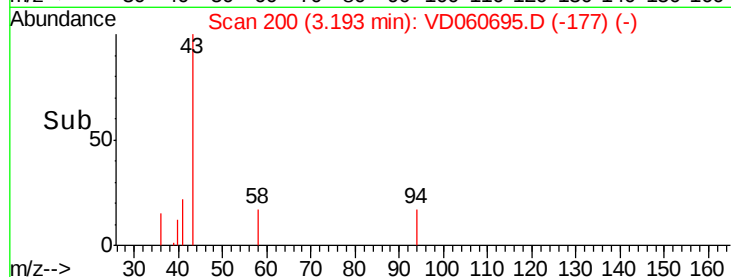
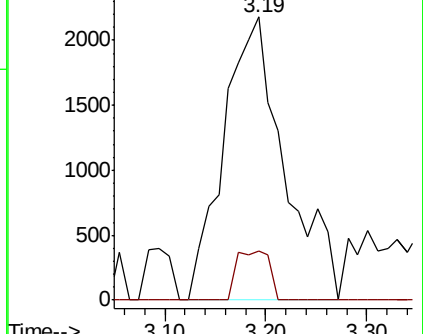
43 100

58 17.5 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: 1.484 ug/l

RT: 3.59 min Scan# 240

Delta R.T. 0.02 min

Lab File: VD060695.D

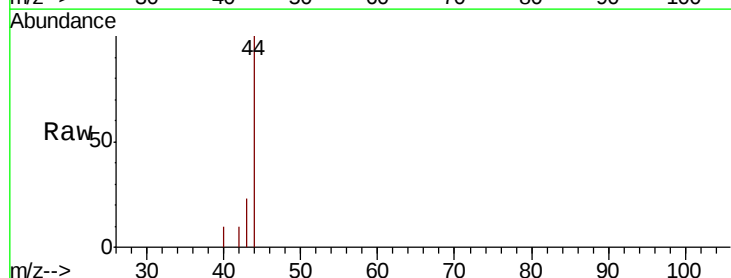
Acq: 21 Dec 2018 20:31

Tgt Ion: 43 Resp: 4338

Ion Ratio Lower Upper

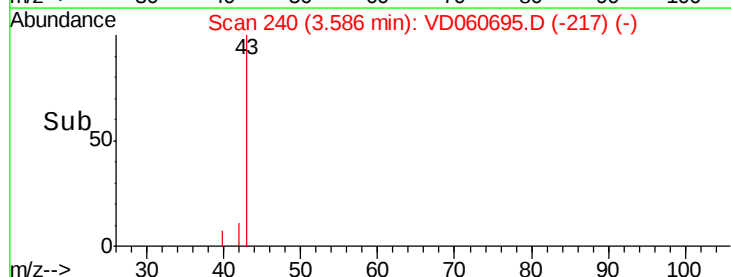
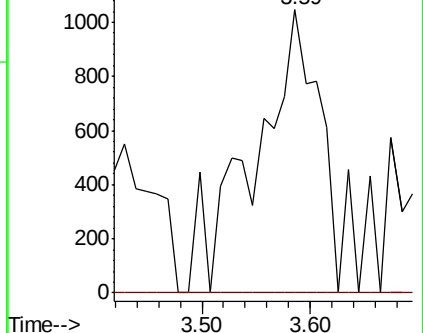
43 100

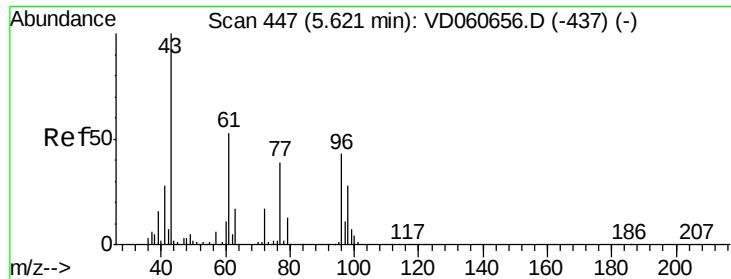
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

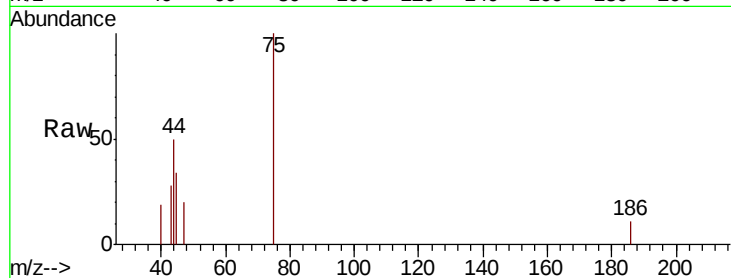




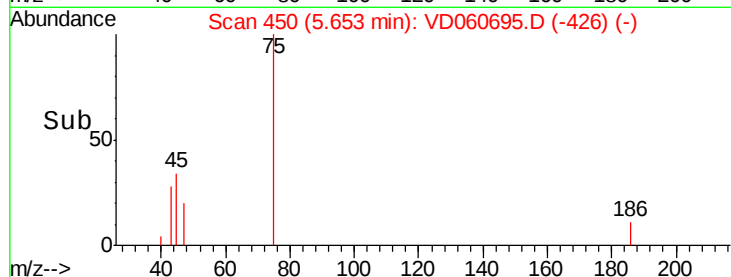
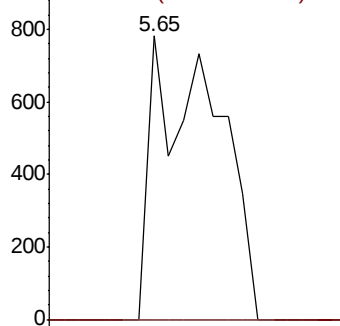
#25
2-Butanone
Concen: 1.041 ug/l
RT: 5.65 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060695.D
Acq: 21 Dec 2018 20:31

Instrument :
MSVOA_D
ClientSampleId :
S-1(5)

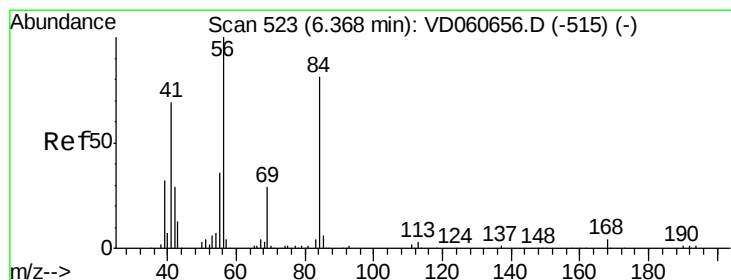
Tot Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
72 0.0 13.7 20.5#



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

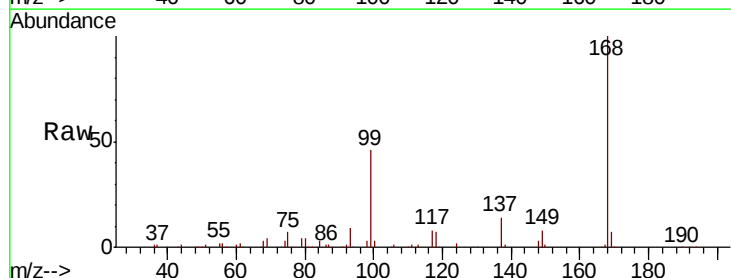


Time-->

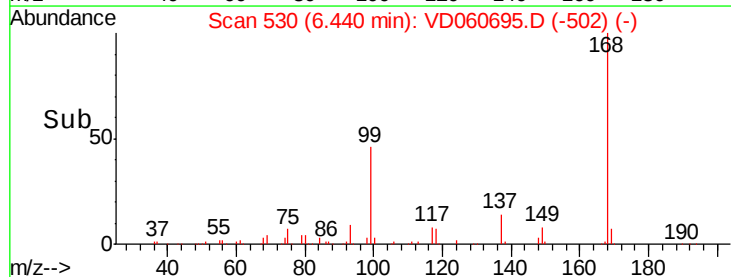
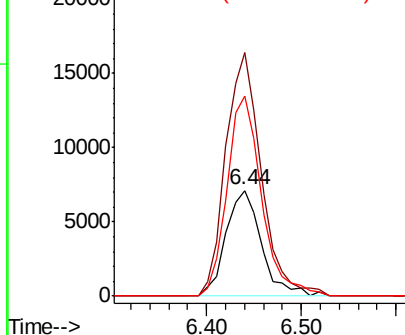


#31
Cyclohexane
Concen: 1.080 ug/l
RT: 6.44 min Scan# 530
Delta R.T. 0.07 min
Lab File: VD060695.D
Acq: 21 Dec 2018 20:31

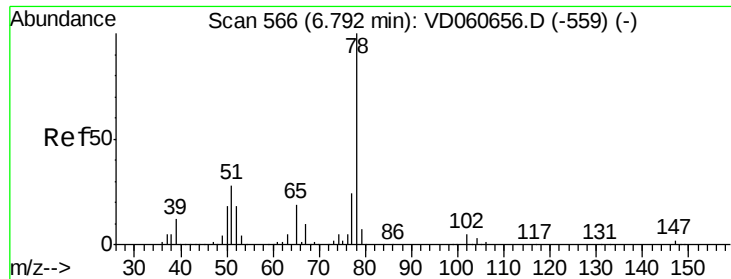
Tgt Ion: 56 Resp: 18433
Ion Ratio Lower Upper
56 100
69 231.0 23.6 35.4#
84 190.3 65.8 98.6#



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



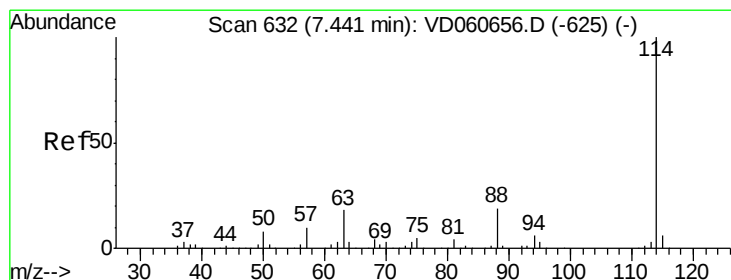
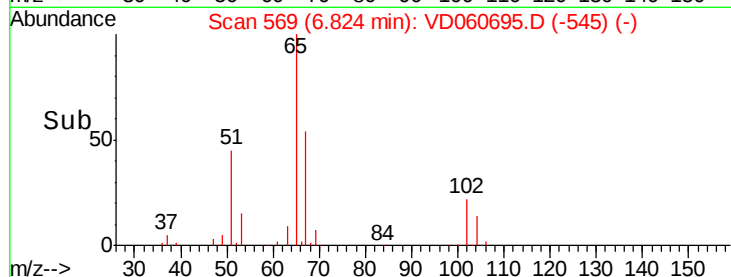
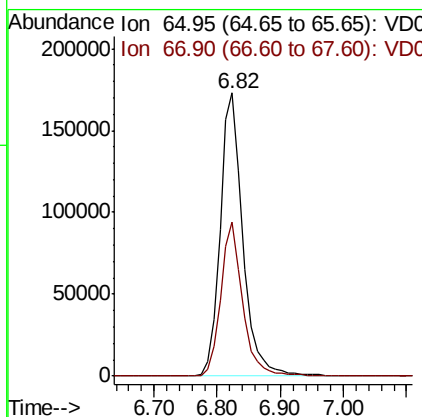
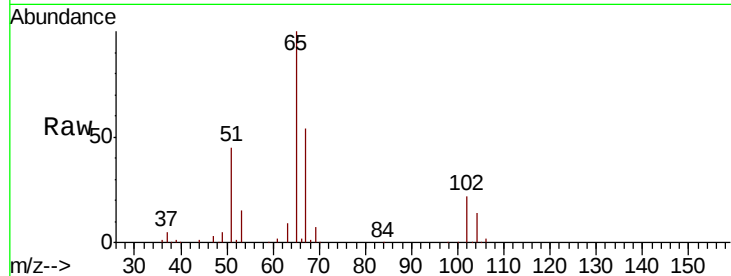
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.82 min Scan# 569
 Delta R.T. 0.03 min
 Lab File: VD060695.D
 Acq: 21 Dec 2018 20:31

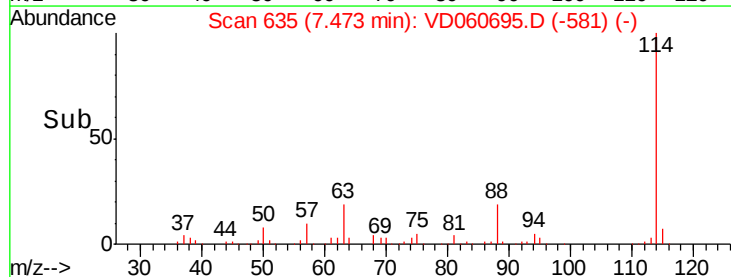
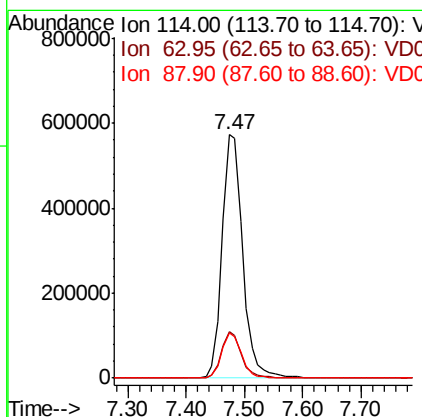
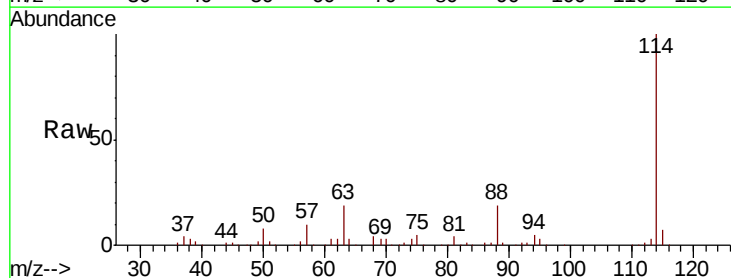
Instrument :
 MSVOA_D
 ClientSampleId :
 S-1(5)

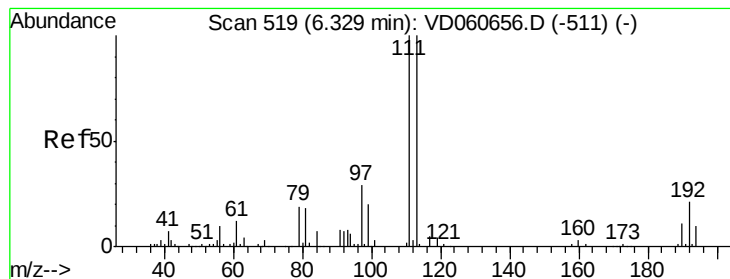
Tot Ion: 65 Resp: 431779
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060695.D
 Acq: 21 Dec 2018 20:31

Tgt Ion: 114 Resp: 1405973
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 18.7 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.36 min Scan# 522

Delta R.T. 0.03 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampled :

S-1(5)

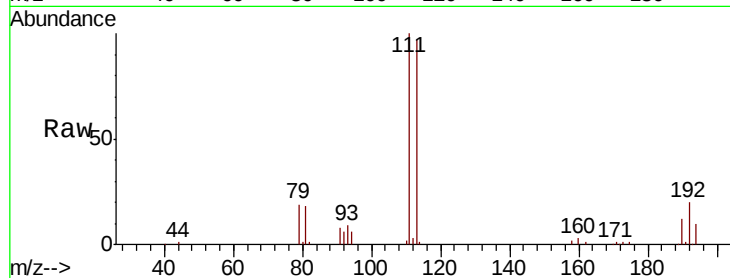
Tot Ion:113 Resp: 537944

Ion Ratio Lower Upper

113 100

111 103.3 80.0 120.0

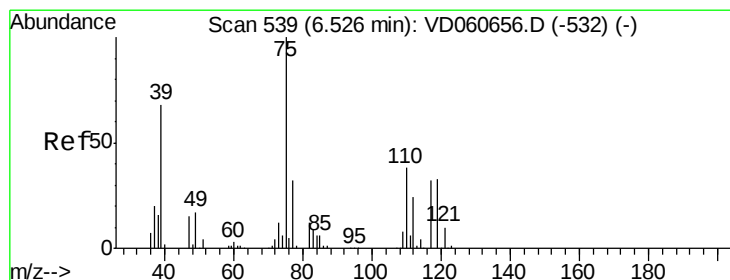
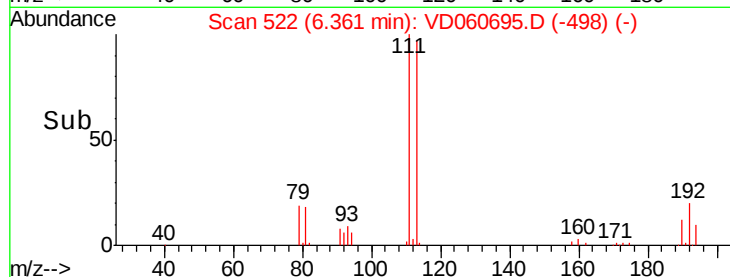
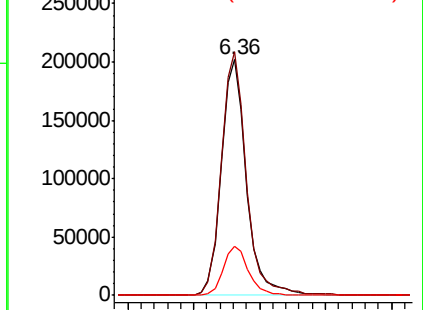
192 20.6 16.6 25.0



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: 4.863 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

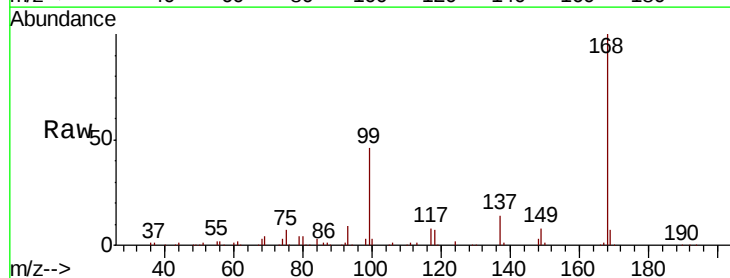
Tgt Ion: 75 Resp: 70403

Ion Ratio Lower Upper

75 100

110 6.2 18.9 56.7#

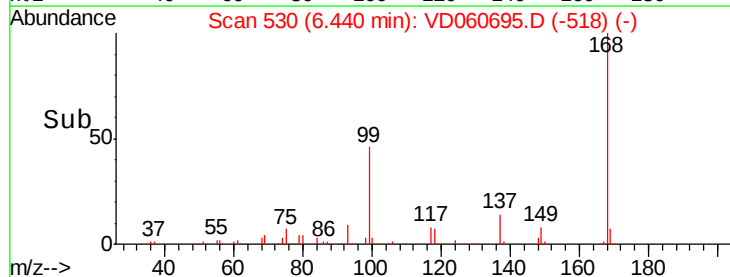
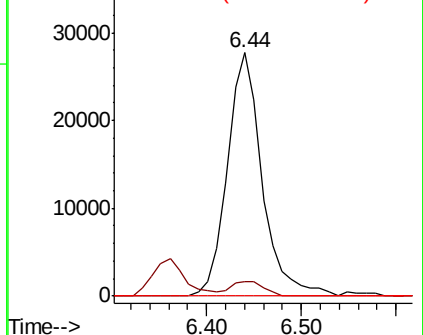
77 0.0 25.4 38.0#

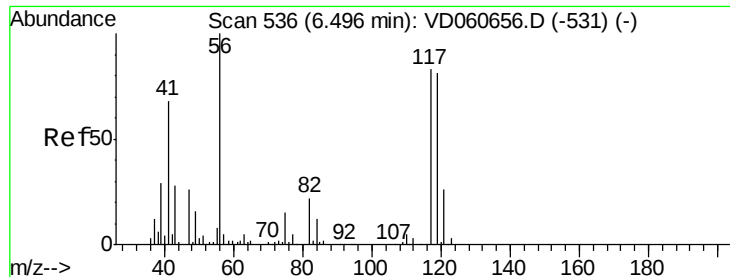


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampleId :

S-1(5)

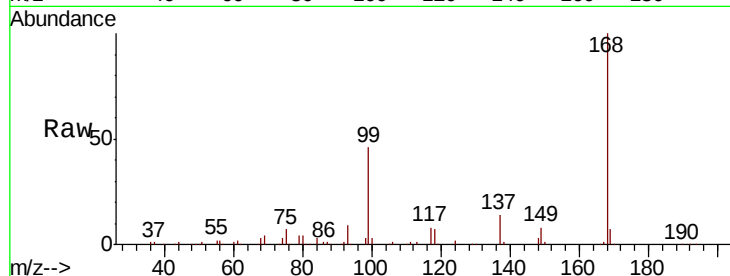
Tot Ion:117 Resp: 77345

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.4#

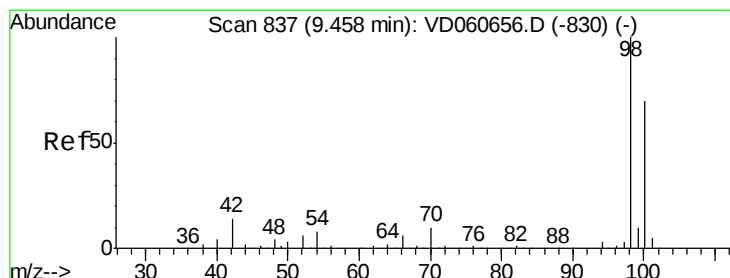
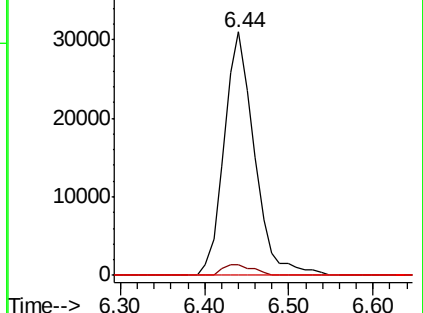
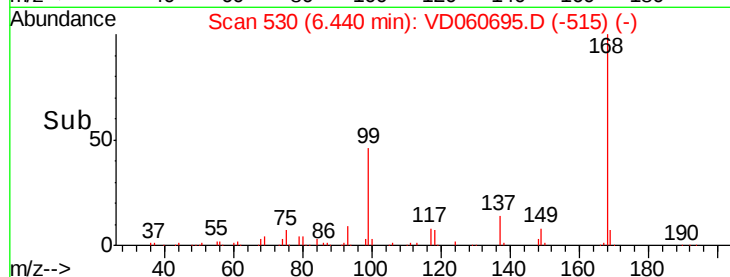
121 0.0 24.7 37.1#



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: 9.49 min Scan# 840

Delta R.T. 0.03 min

Lab File: VD060695.D

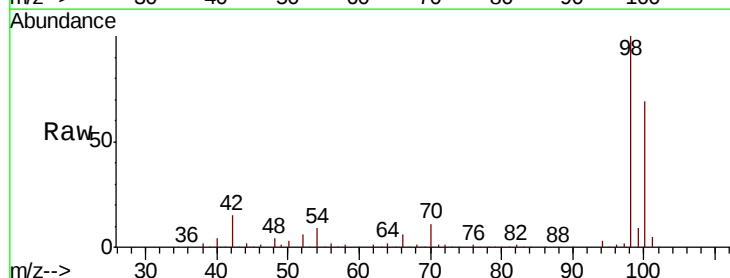
Acq: 21 Dec 2018 20:31

Tgt Ion: 98 Resp: 1307096

Ion Ratio Lower Upper

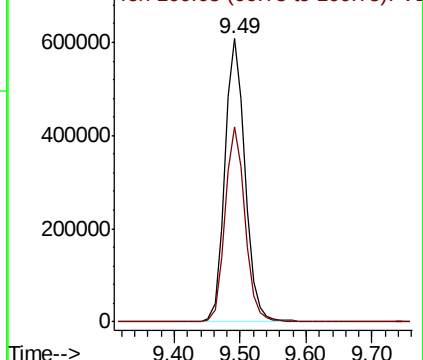
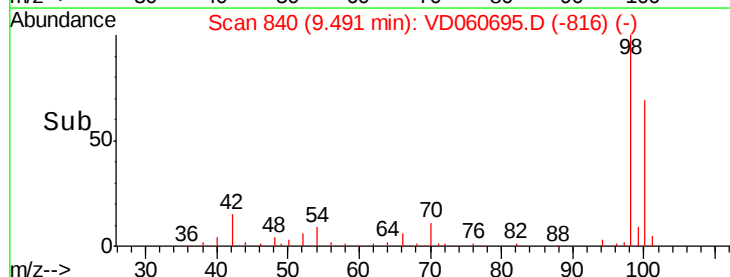
98 100

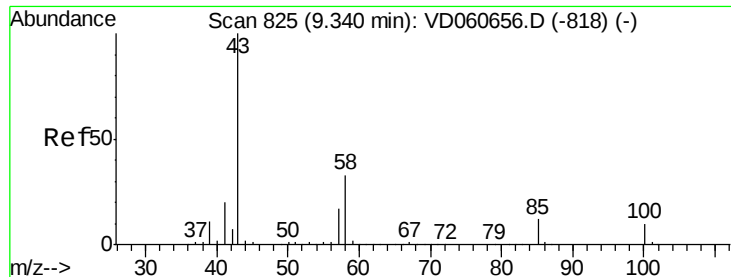
100 69.1 55.8 83.8



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: 1.371 ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.14 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampled :

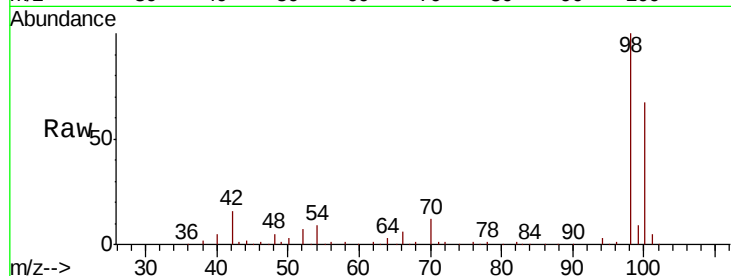
S-1(5)

Tot Ion: 43 Resp: 6527

Ion Ratio Lower Upper

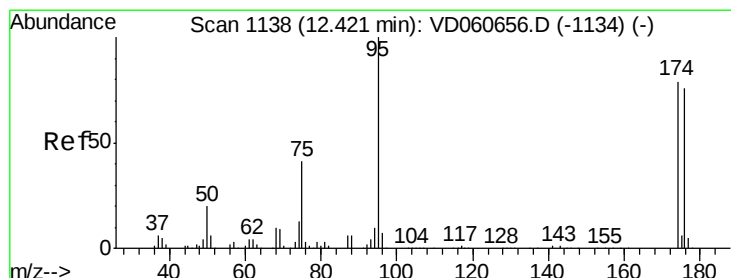
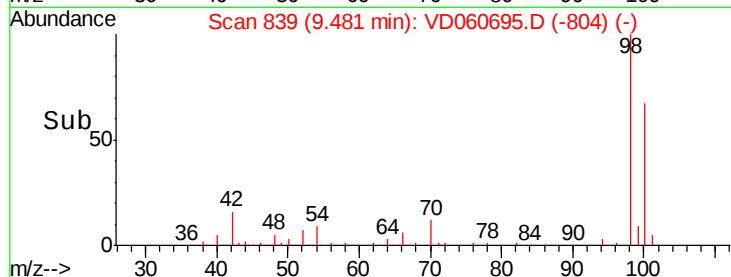
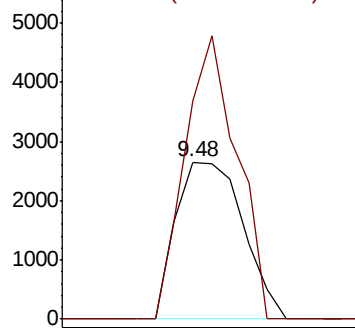
43 100

58 139.1 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: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

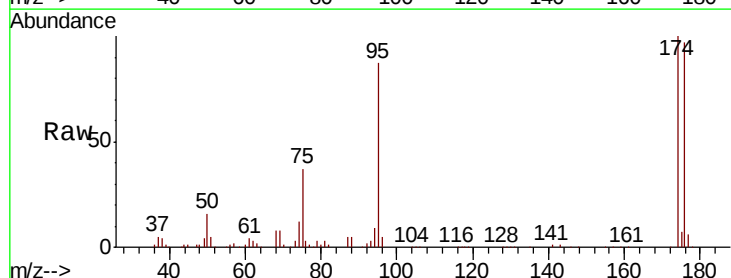
Tgt Ion: 95 Resp: 340180

Ion Ratio Lower Upper

95 100

174 114.3 0.0 158.2

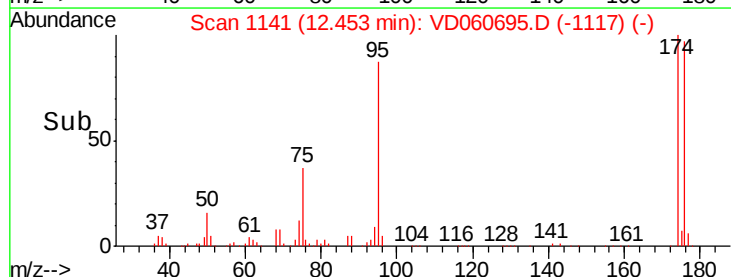
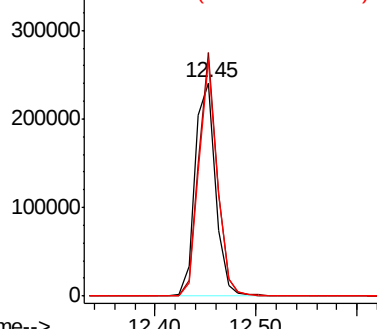
176 110.8 0.0 152.4

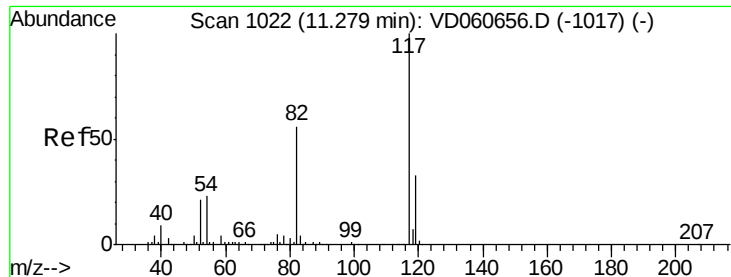


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

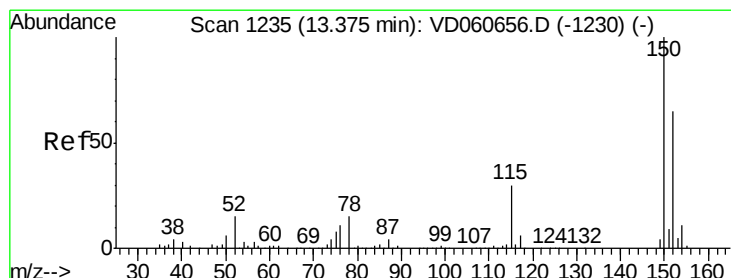
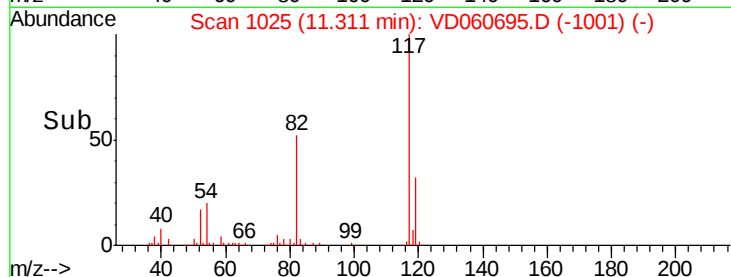
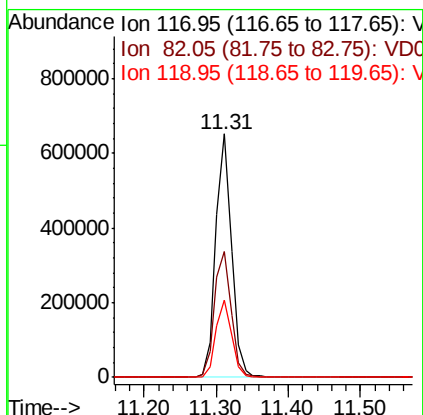
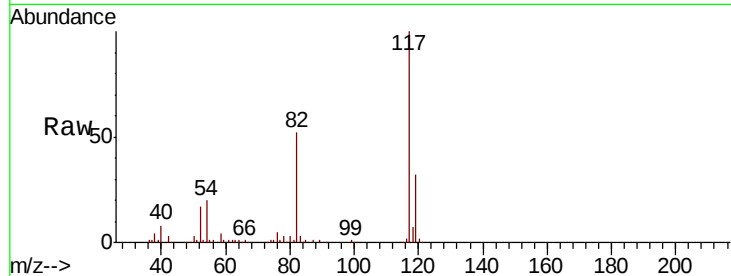




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060695.D
Acq: 21 Dec 2018 20:31

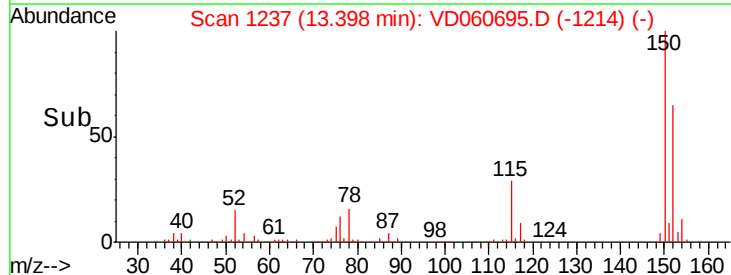
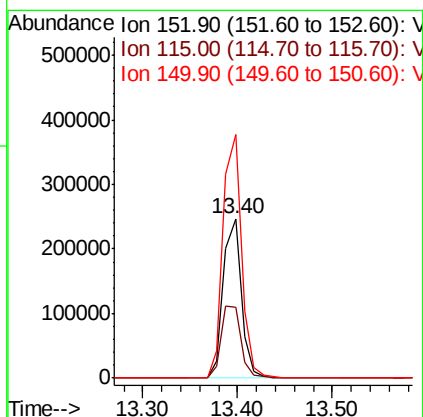
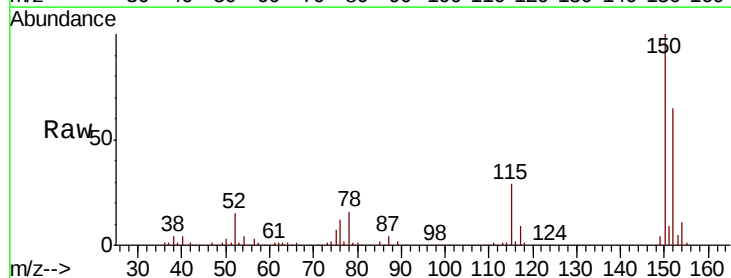
Instrument :
MSVOA_D
ClientSampleId :
S-1(5)

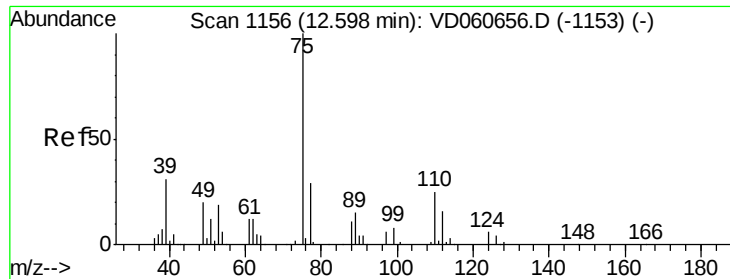
Tot Ion:117 Resp: 975418
Ion Ratio Lower Upper
117 100
82 51.6 44.5 66.7
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060695.D
Acq: 21 Dec 2018 20:31

Tgt Ion:152 Resp: 329332
Ion Ratio Lower Upper
152 100
115 44.7 24.1 72.3
150 153.0 0.0 315.0





#76

1,2,3-Trichloropropane

Concen: 38.932 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. -0.14 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

Instrument :

MSVOA_D

ClientSampleId :

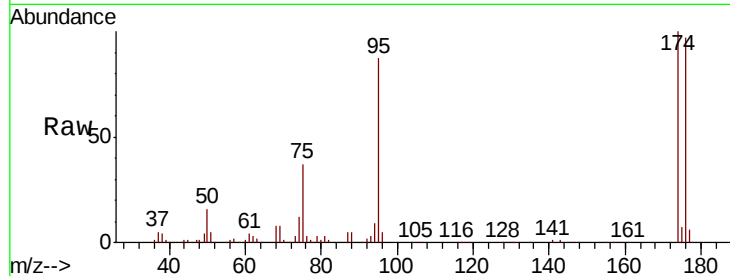
S-1(5)

Tot Ion: 75 Resp: 145970

Ion Ratio Lower Upper

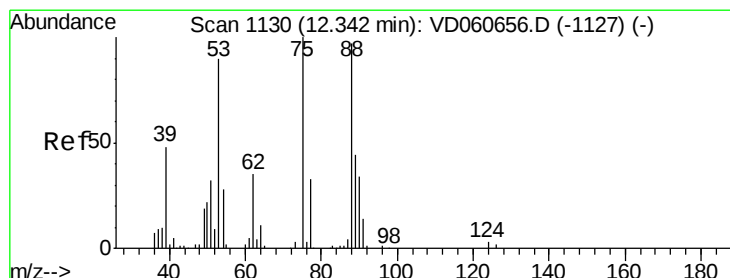
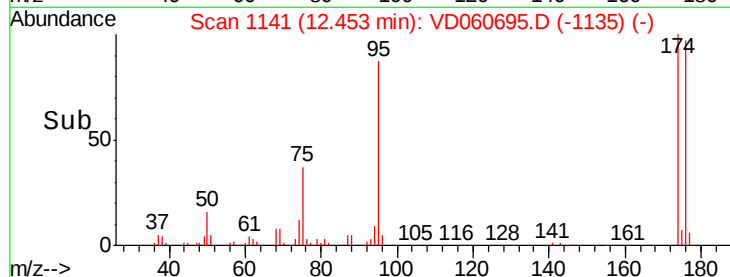
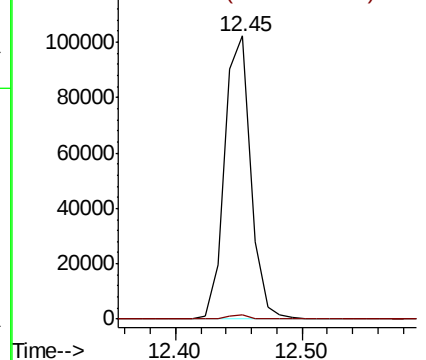
75 100

77 1.6 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 140.733 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.11 min

Lab File: VD060695.D

Acq: 21 Dec 2018 20:31

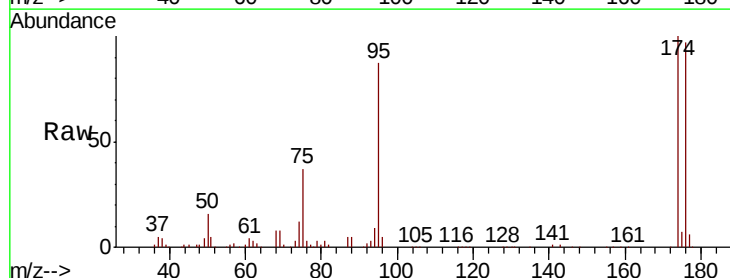
Tgt Ion: 75 Resp: 145806

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

