

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060582.D
 Acq On : 14 Dec 2018 19:22
 Operator : VA/AP
 Sample : J6403-45
 Misc : 4.76µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:25:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1579404	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	2226698	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1722031	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	820300	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	549864	49.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.24%	
35) Dibromofluoromethane	6.31	113	696540	42.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.18%	
50) Toluene-d8	9.44	98	2270330	47.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	12.41	95	755269	44.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.20%	

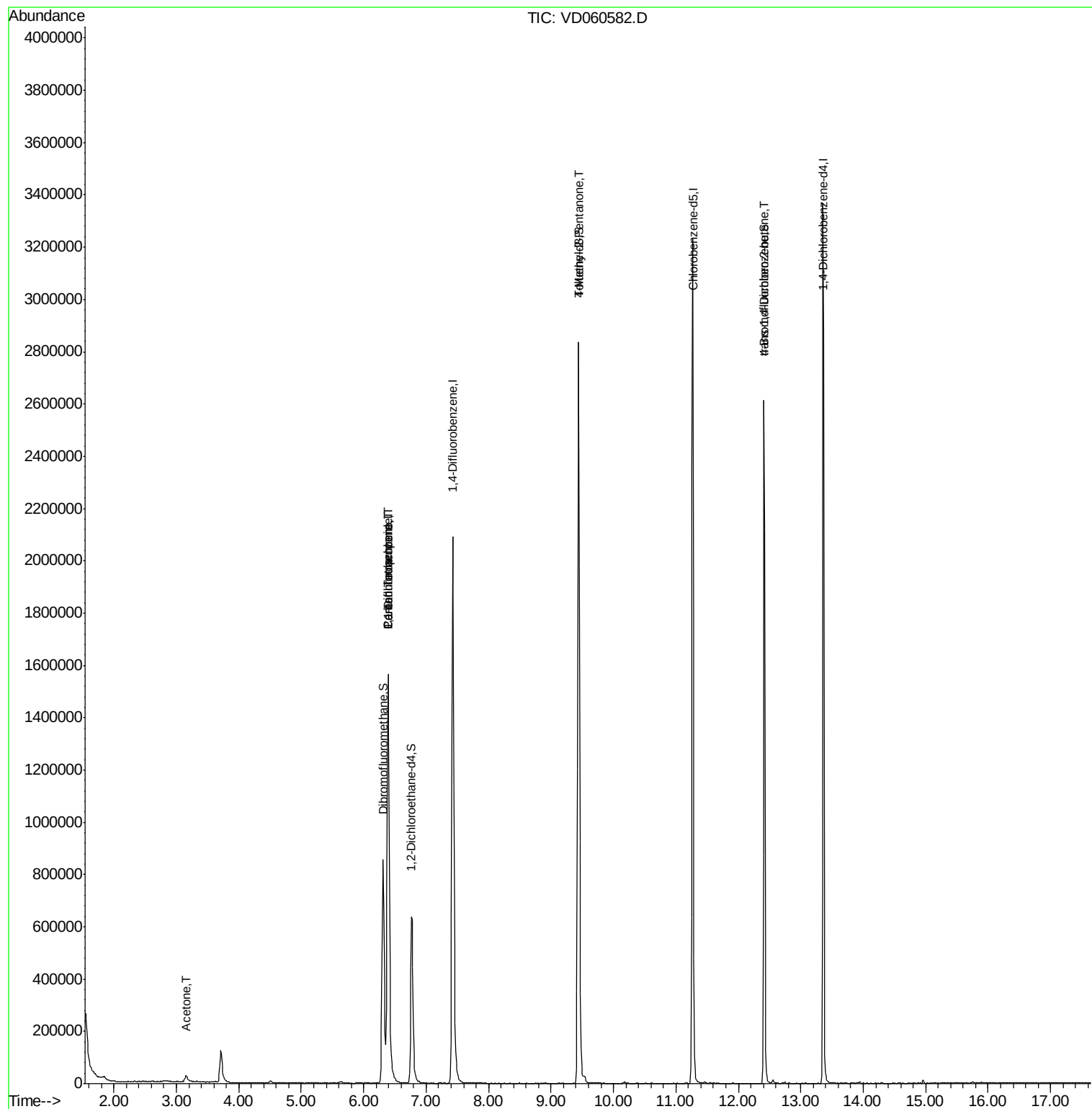
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	618	Below Cal	#	41
16) Acetone	3.15	43	49710	27.702	ug/l #	90
31) Cyclohexane	6.39	56	28451	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	111213	5.110	ug/l #	47
38) Carbon Tetrachloride	6.39	117	119902	6.136	ug/l #	15
51) 4-Methyl-2-Pentanone	9.44	43	11422	1.576	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	308430	118.980	ug/l #	14
89) n-Butylbenzene	13.63	91	196	Below Cal	#	29

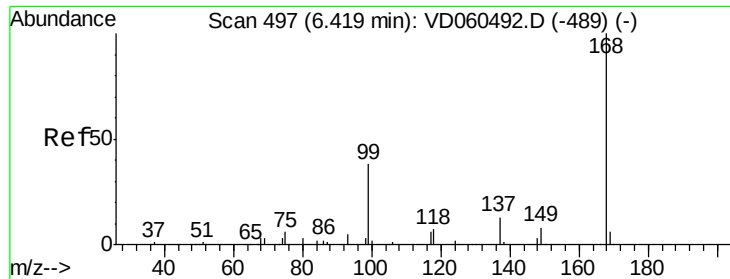
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 22:25:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

Instrument :

MSVOA_D

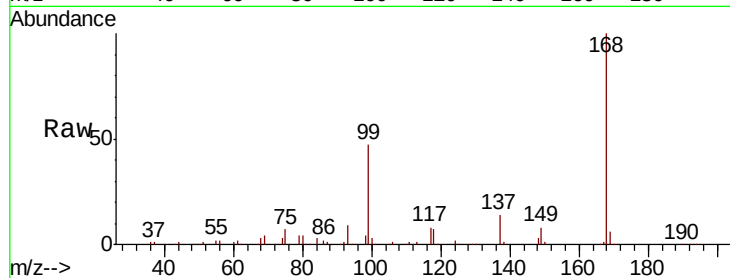
ClientSampled :

Tot Ion:168 Resp: 1579404

Ion Ratio Lower Upper

168 100

99 46.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

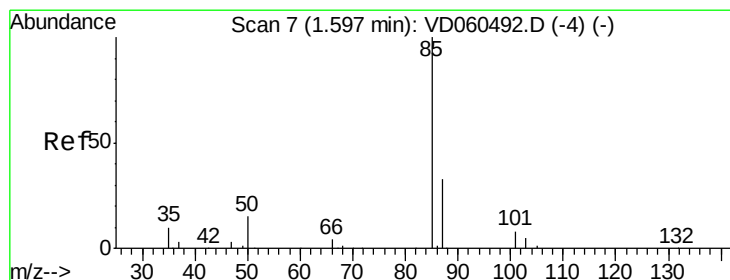
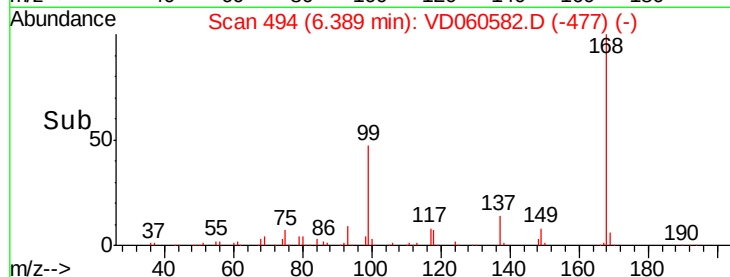
6.39

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060582.D

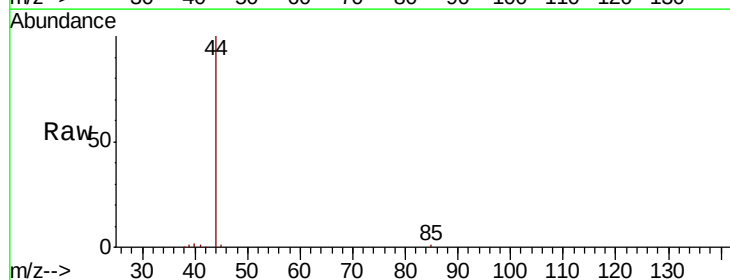
Acq: 14 Dec 2018 19:22

Tgt Ion: 85 Resp: 618

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

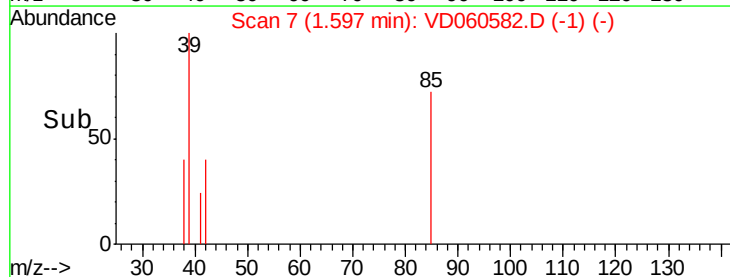
600

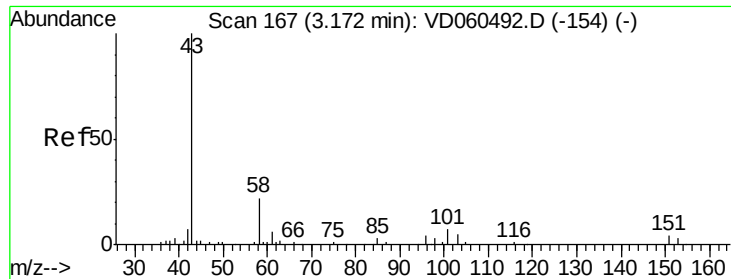
400

200

0

Time--> 1.56 1.58 1.60 1.62 1.64





#16

Acetone

Concen: 27.702 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

Instrument :

MSVOA_D

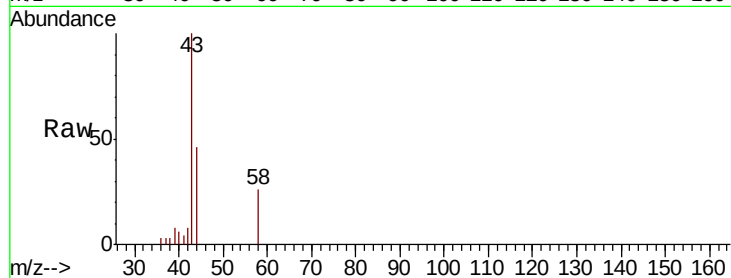
ClientSampleId :

Tot Ion: 43 Resp: 49710

Ion Ratio Lower Upper

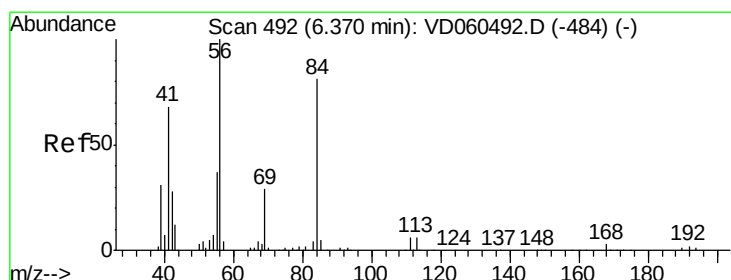
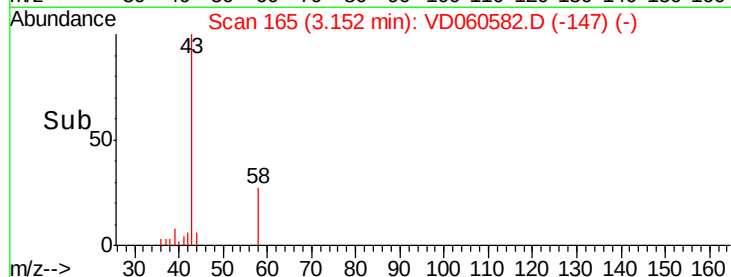
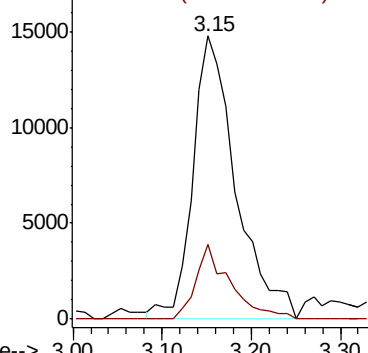
43 100

58 26.4 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.39 min Scan# 494

Delta R.T. 0.02 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

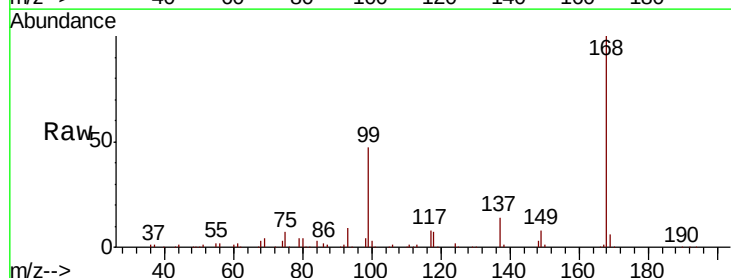
Tgt Ion: 56 Resp: 28451

Ion Ratio Lower Upper

56 100

69 234.1 22.8 34.2#

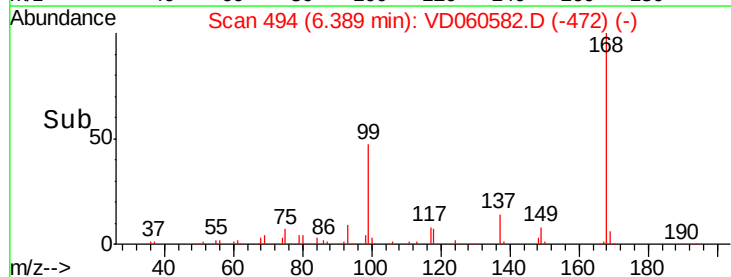
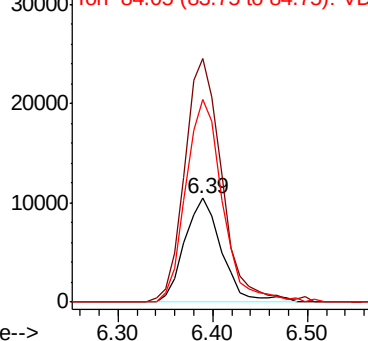
84 194.9 65.1 97.7#

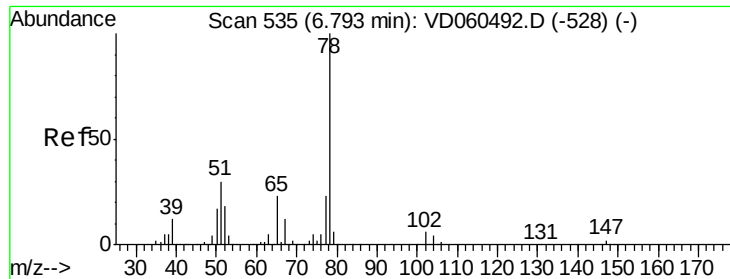


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

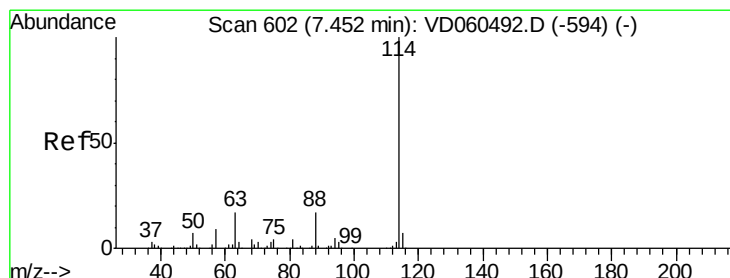
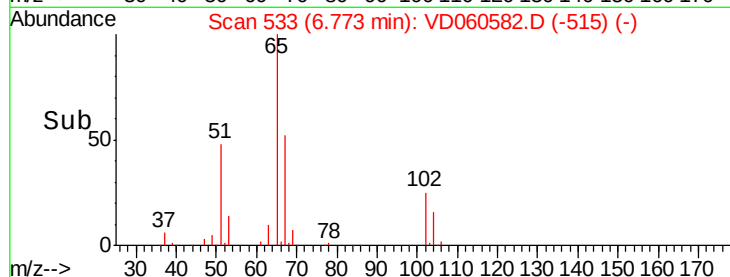
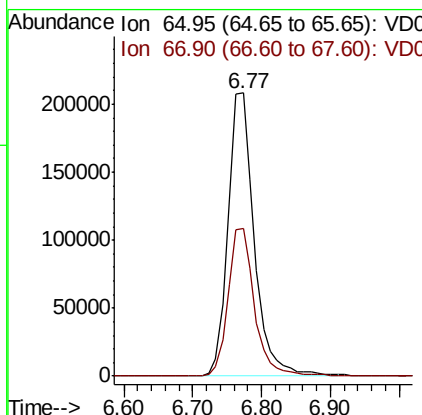
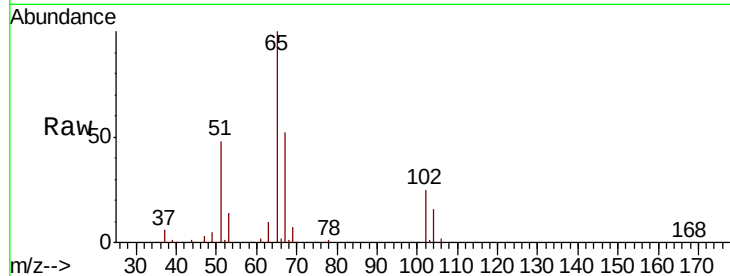




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060582.D
 Acq: 14 Dec 2018 19:22

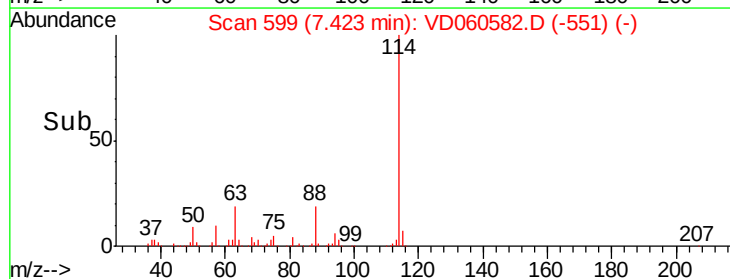
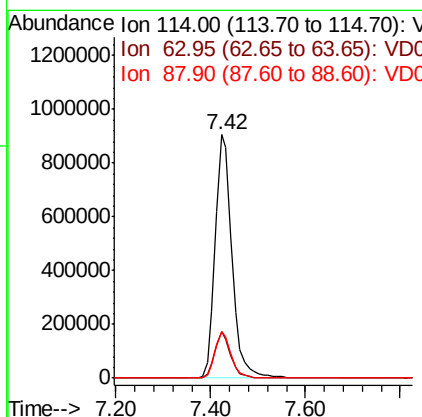
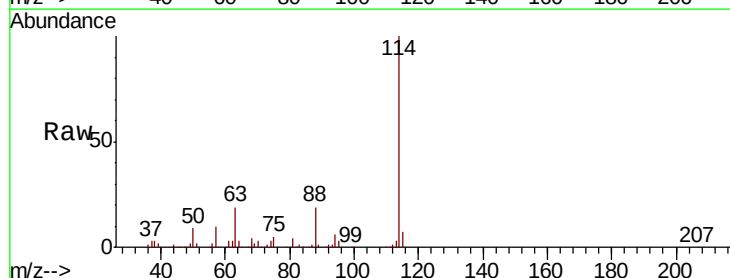
Instrument :
 MSVOA_D
 ClientSampleId :

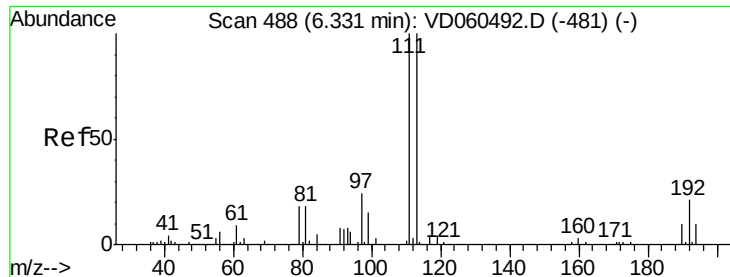
Tot Ion: 65 Resp: 549864
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD060582.D
 Acq: 14 Dec 2018 19:22

Tgt Ion: 114 Resp: 2226698
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.2
 88 18.9 0.0 35.0

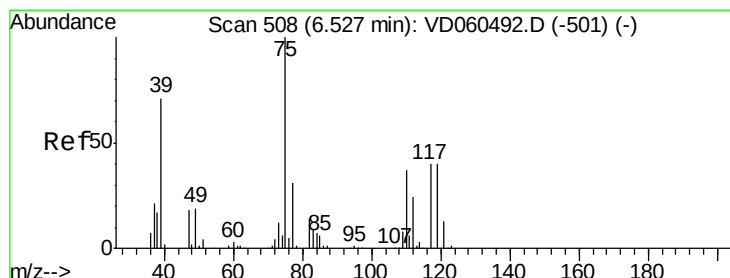
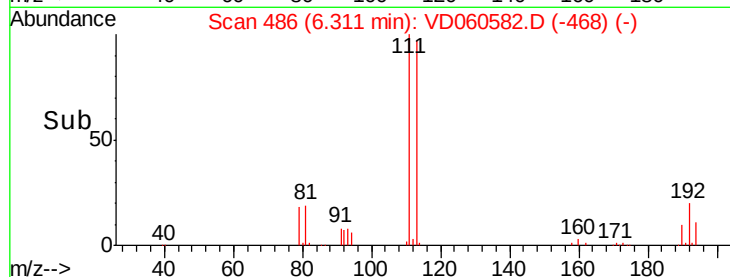
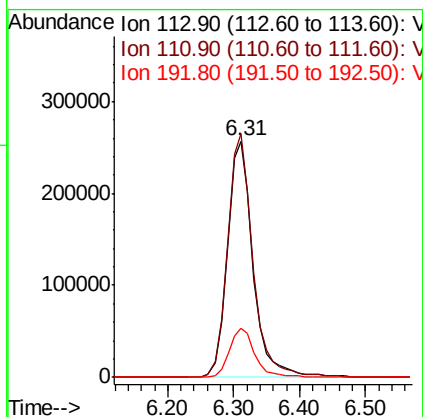
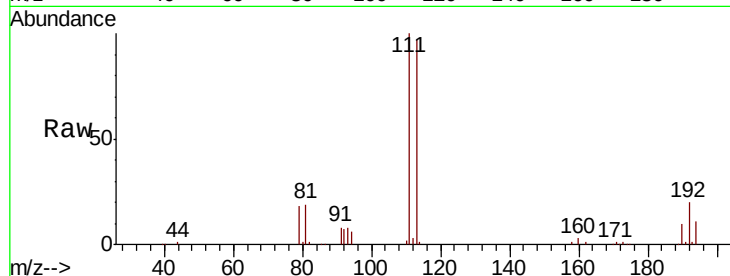




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060582.D
 Acq: 14 Dec 2018 19:22

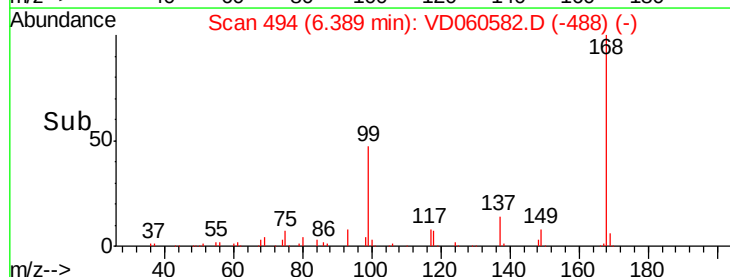
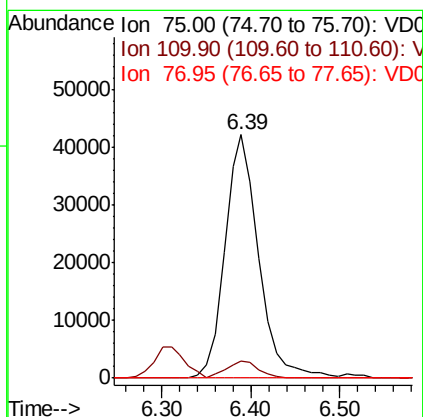
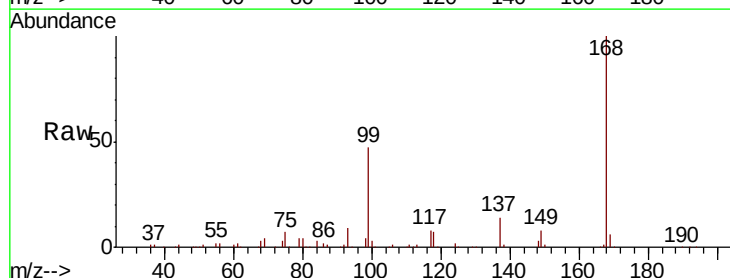
Instrument :
 MSVOA_D
 ClientSampleId :

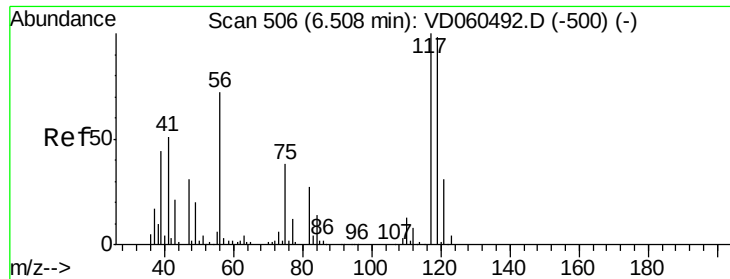
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.2	120.4
192	20.7	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060582.D
 Acq: 14 Dec 2018 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.3	54.8#
77	0.0	24.6	37.0#

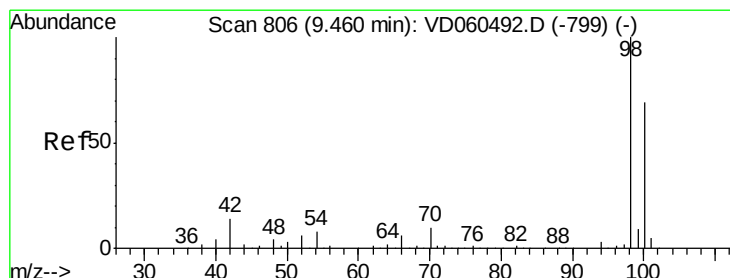
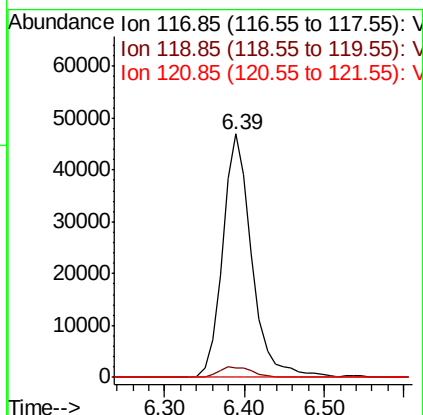
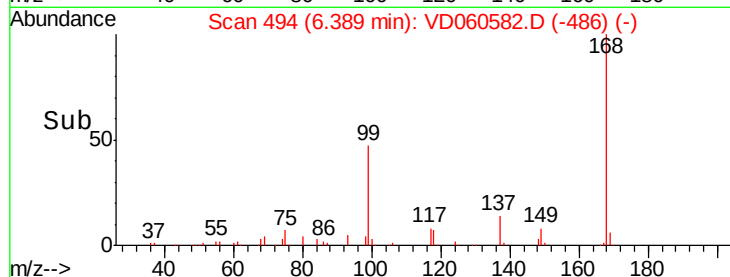
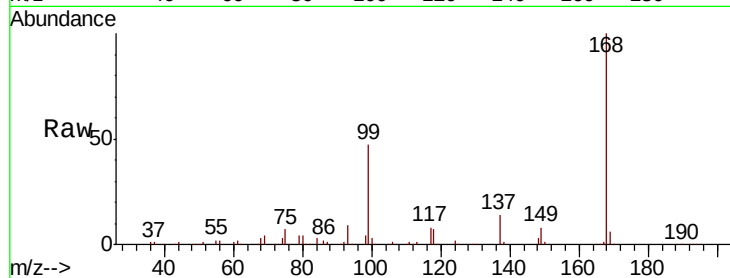




#38
Carbon Tetrachloride
Concen: 6.136 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060582.D
Acq: 14 Dec 2018 19:22

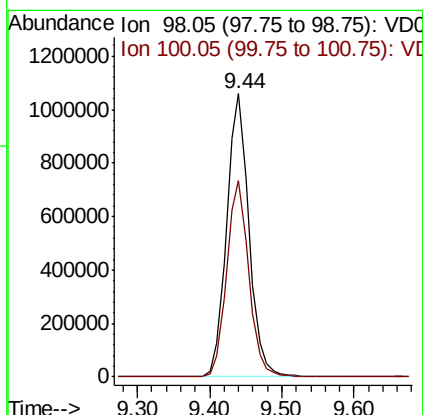
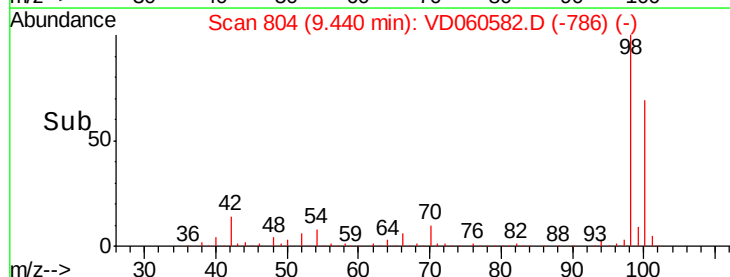
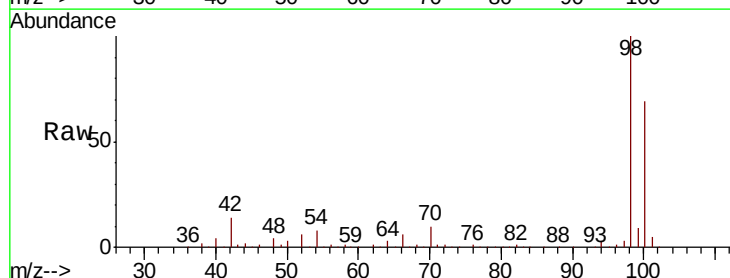
Instrument :
MSVOA_D
ClientSampleId :

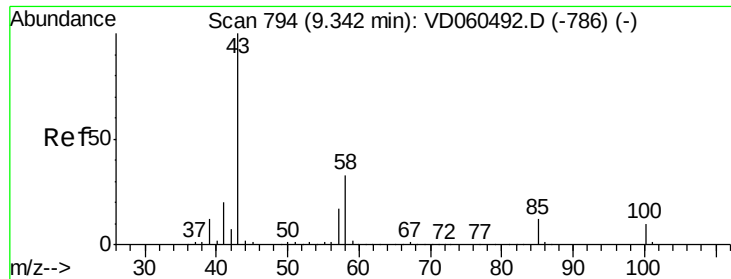
Tot Ion:117 Resp: 119902
Ion Ratio Lower Upper
117 100
119 4.1 76.8 115.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060582.D
Acq: 14 Dec 2018 19:22

Tgt Ion: 98 Resp: 2270330
Ion Ratio Lower Upper
98 100
100 69.4 55.7 83.5





#51

4-Methyl-2-Pentanone

Concen: 1.576 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.10 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

Instrument :

MSVOA_D

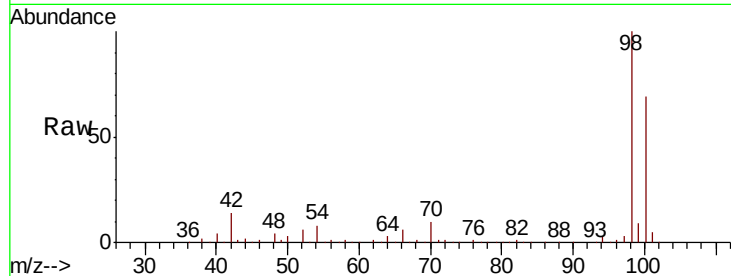
ClientSampleId :

Tot Ion: 43 Resp: 11422

Ion Ratio Lower Upper

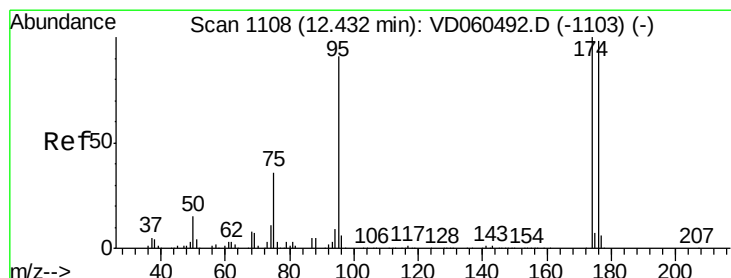
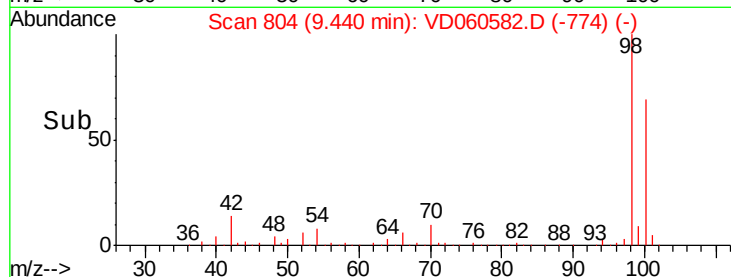
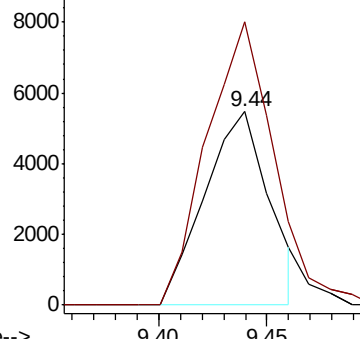
43 100

58 146.3 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: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

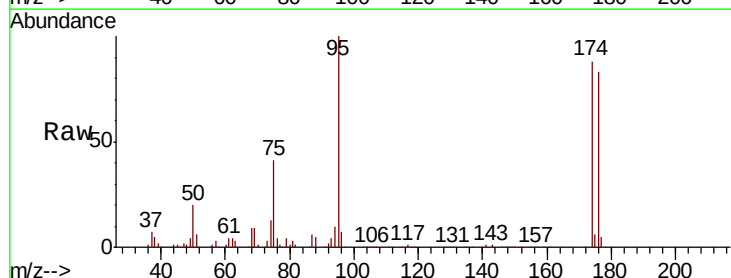
Tgt Ion: 95 Resp: 755269

Ion Ratio Lower Upper

95 100

174 88.4 0.0 219.4

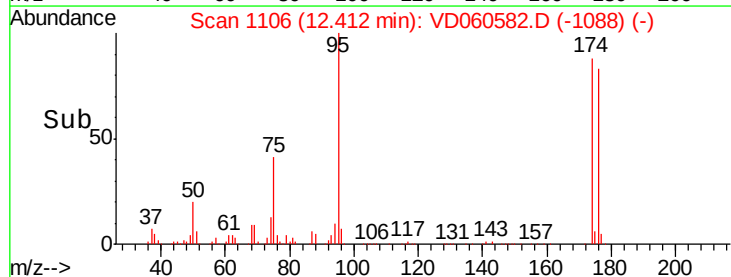
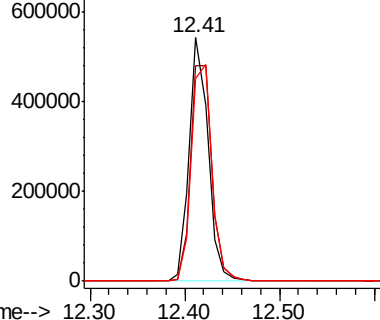
176 83.2 0.0 214.6

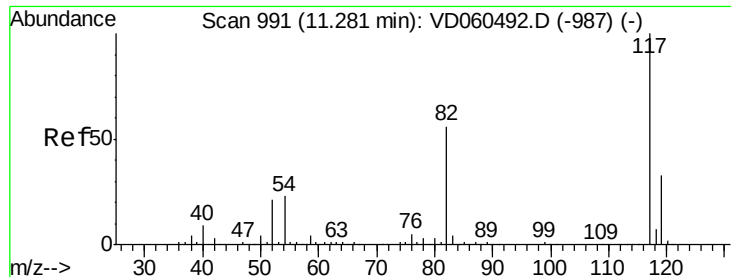


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

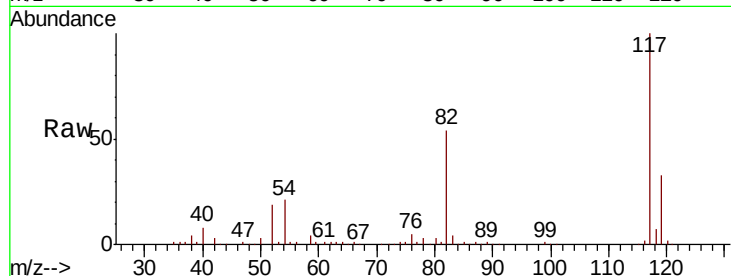




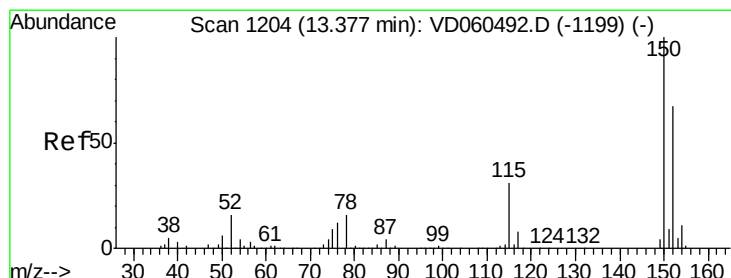
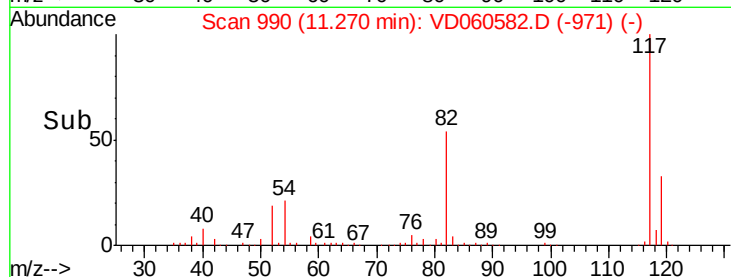
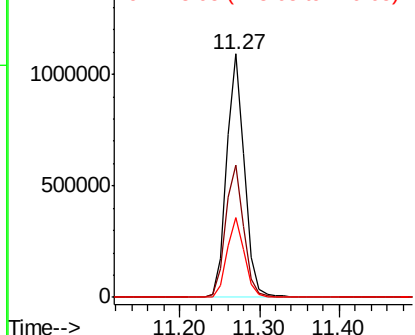
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060582.D
Acq: 14 Dec 2018 19:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1722031
Ion Ratio Lower Upper
117 100
82 54.4 45.2 67.8
119 33.0 26.1 39.1

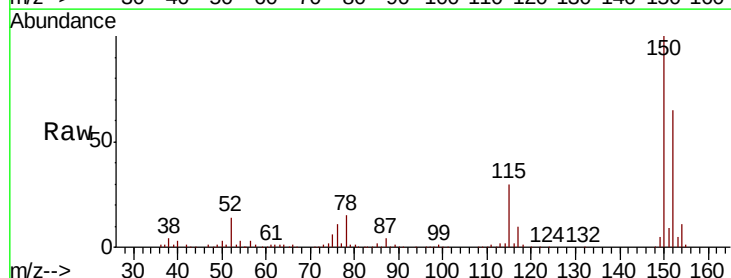


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

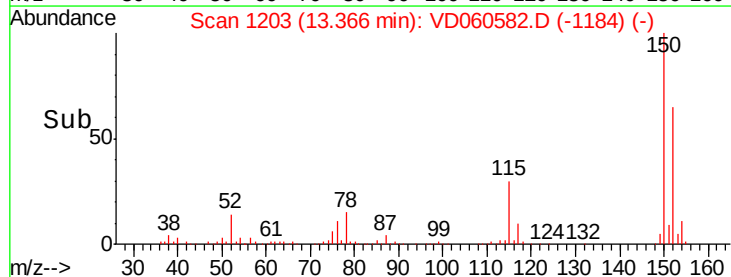
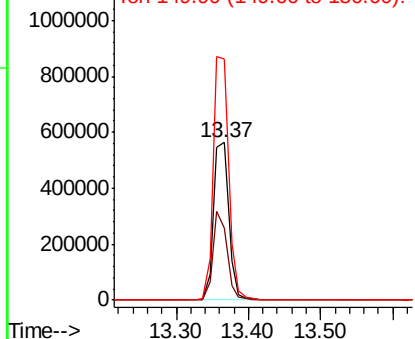


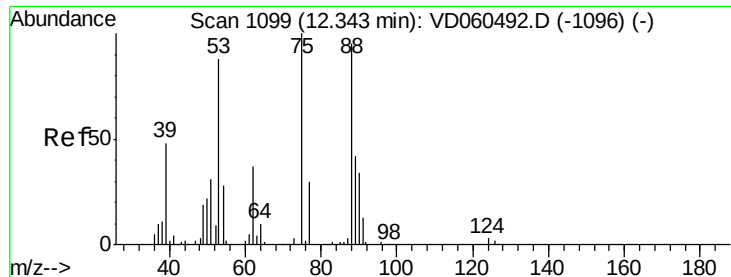
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060582.D
Acq: 14 Dec 2018 19:22

Tgt Ion:152 Resp: 820300
Ion Ratio Lower Upper
152 100
115 45.4 24.6 74.0
150 152.9 0.0 309.0



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: 118.980 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.07 min

Lab File: VD060582.D

Acq: 14 Dec 2018 19:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 308430

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#

