

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060697.D
 Acq On : 21 Dec 2018 21:28
 Operator : VA/AP
 Sample : J6525-03
 Misc : 5.55µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3(5)

Quant Time: Dec 21 22:29:48 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	1113040	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1511427	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	1056458	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.39	152	370011	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	432253	56.20	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	6.36	113	545147	49.28	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	9.49	98	1345787	40.77	ug/l	0.04
Spiked Amount 50.000			Recovery	=	81.54%	
62) 4-Bromofluorobenzene	12.45	95	350824	30.35	ug/l	0.03
Spiked Amount 50.000			Recovery	=	60.70%	

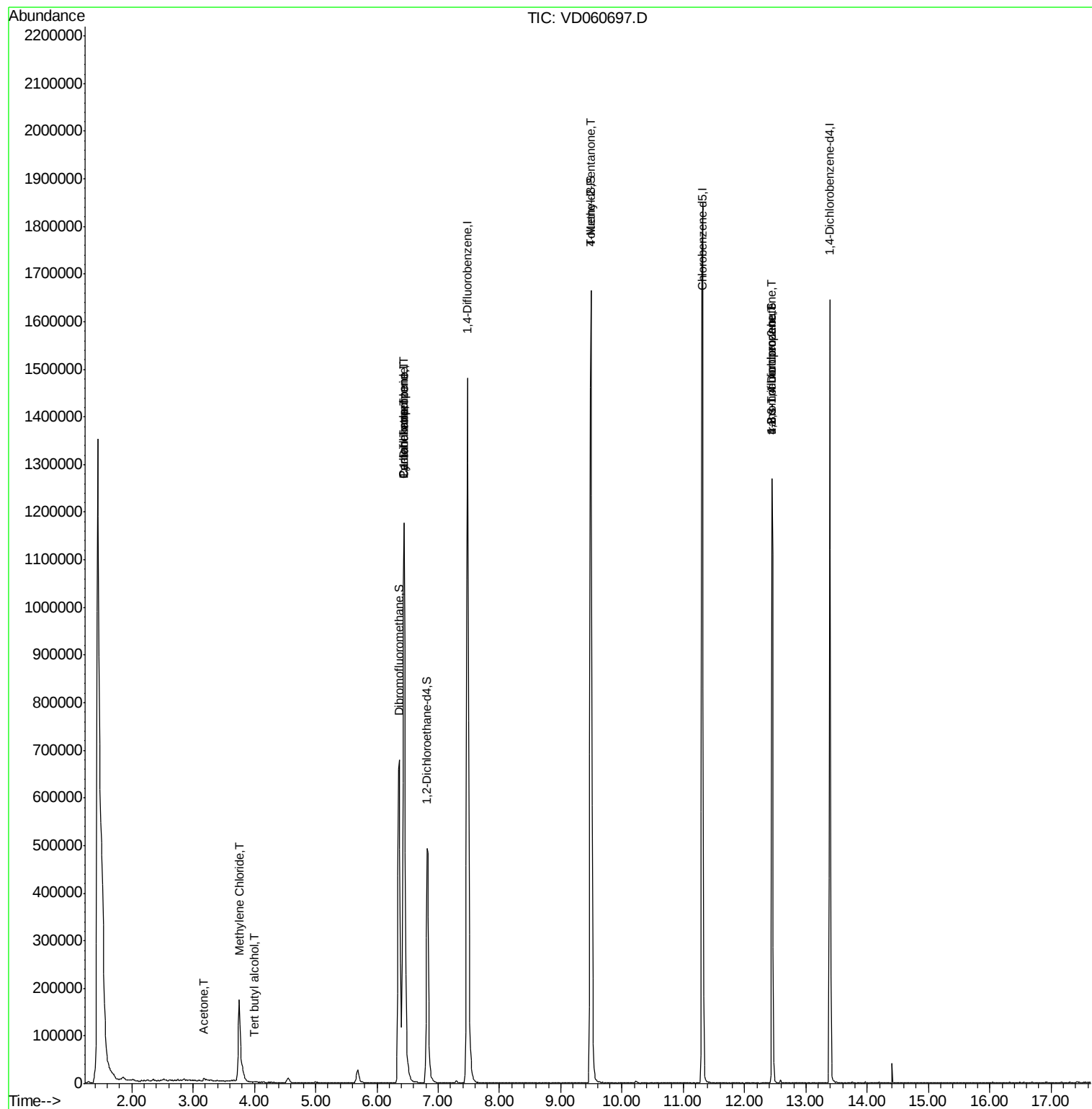
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	1138	3.540	ug/l #	74
16) Acetone	3.19	43	6026	4.486	ug/l #	53
20) Methylene Chloride	3.76	84	112097	8.035	ug/l	96
31) Cyclohexane	6.44	56	21249	1.094	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	84737	5.445	ug/l #	45
38) Carbon Tetrachloride	6.44	117	87218	6.352	ug/l #	16
51) 4-Methyl-2-Pentanone	9.48	43	7583	1.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.45	75	149883	35.580	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.45	75	149908	128.785	ug/l #	13

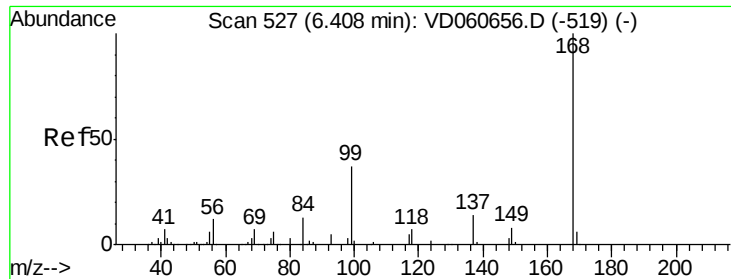
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122118\
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Quant Time: Dec 21 22:29:48 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. 0.04 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

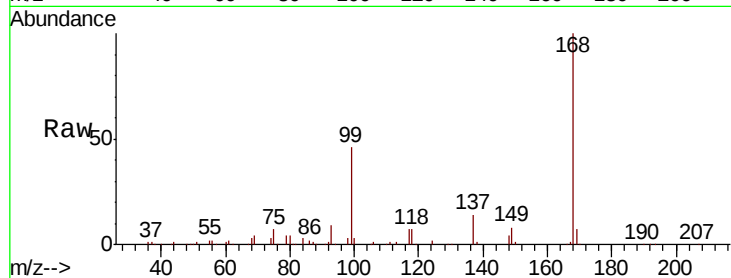
S-3(5)

Tot Ion:168 Resp: 1113040

Ion Ratio Lower Upper

168 100

99 46.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

400000

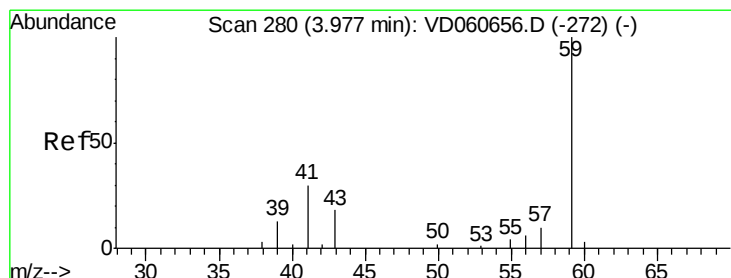
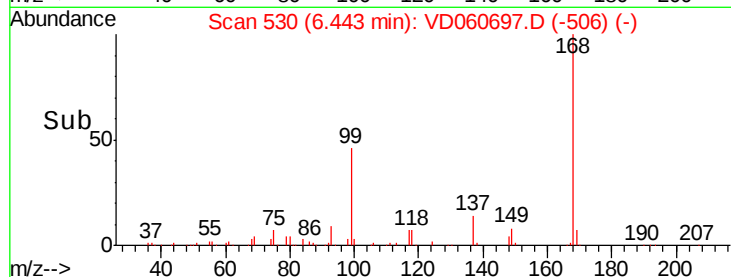
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.540 ug/l

RT: 3.99 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD060697.D

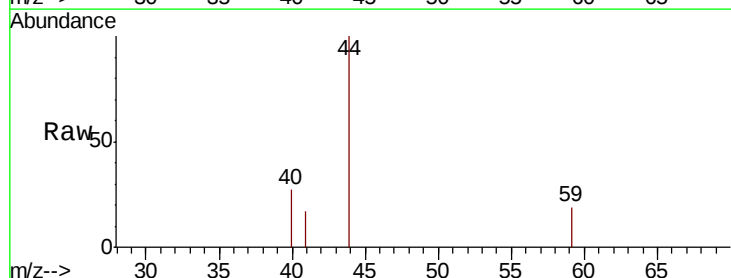
Acq: 21 Dec 2018 21:28

Tgt Ion: 59 Resp: 1138

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

3.99

600

500

400

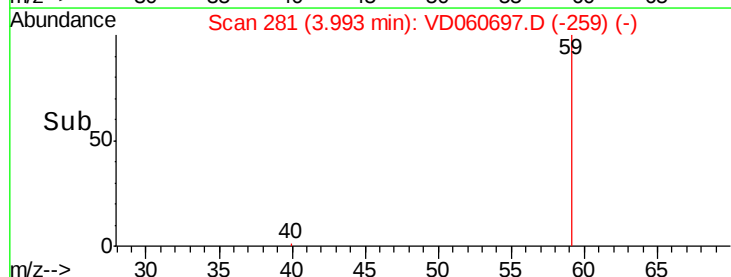
300

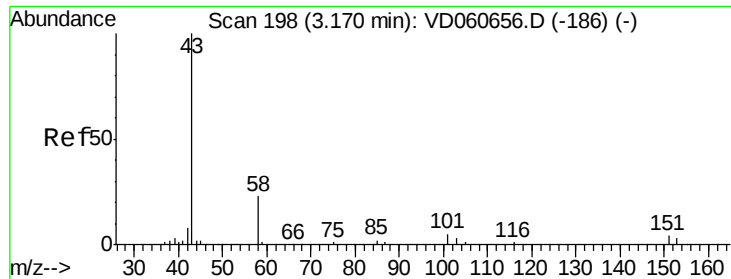
200

100

0

Time-->





#16

Acetone

Concen: 4.486 ug/l

RT: 3.19 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

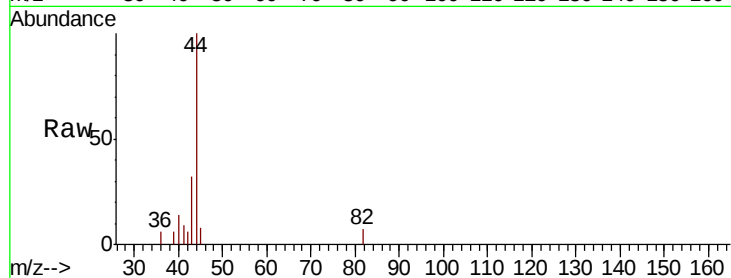
S-3(5)

Tot Ion: 43 Resp: 6026

Ion Ratio Lower Upper

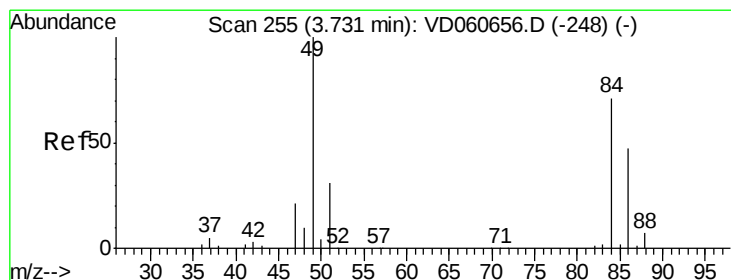
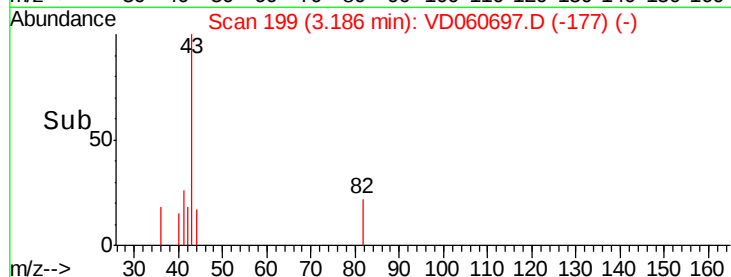
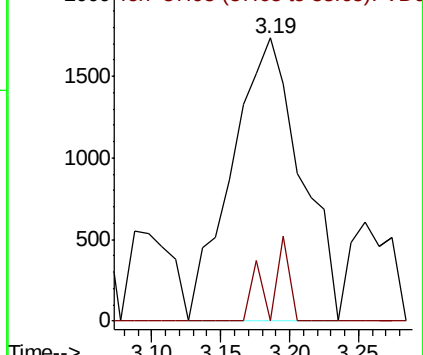
43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.035 ug/l

RT: 3.76 min Scan# 257

Delta R.T. 0.03 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Tgt Ion: 84 Resp: 112097

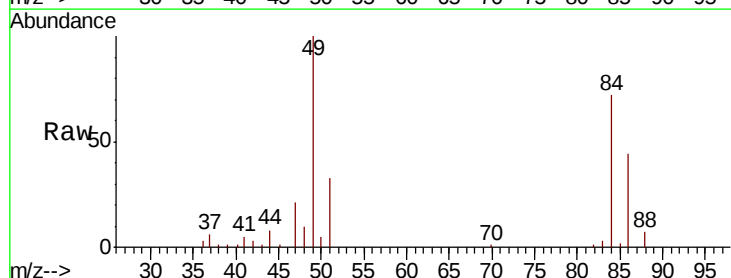
Ion Ratio Lower Upper

84 100

49 138.7 113.6 170.4

51 45.7 34.7 52.1

86 61.5 52.8 79.2

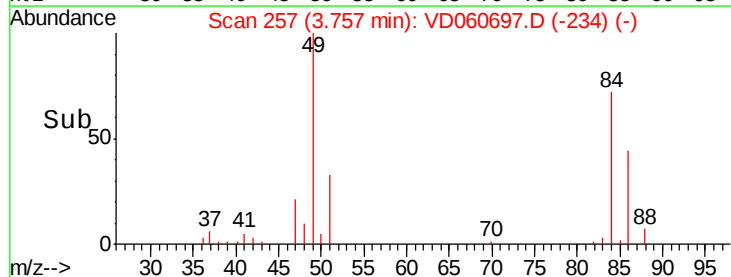
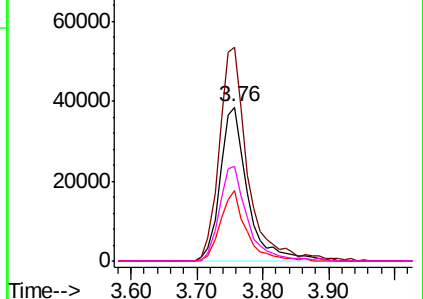


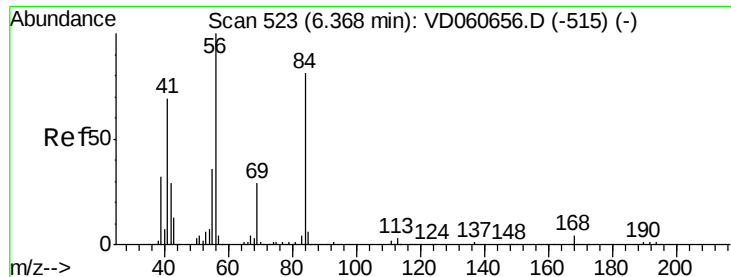
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

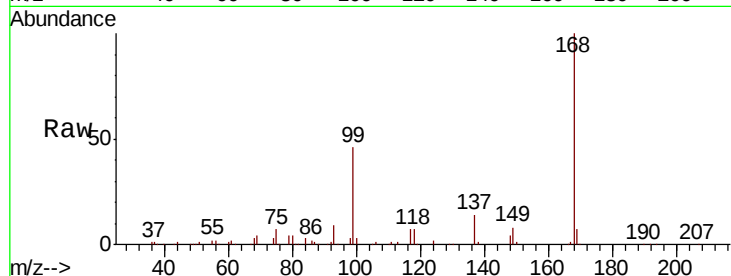




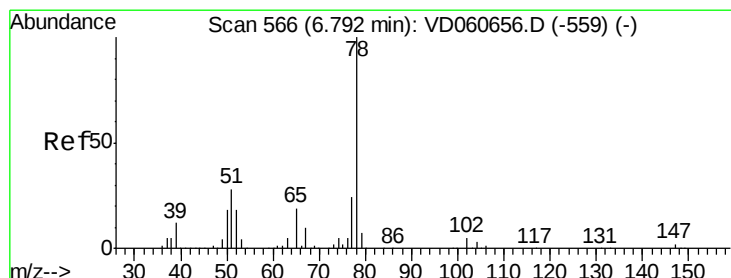
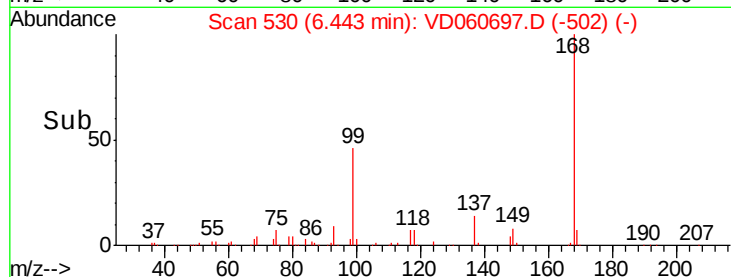
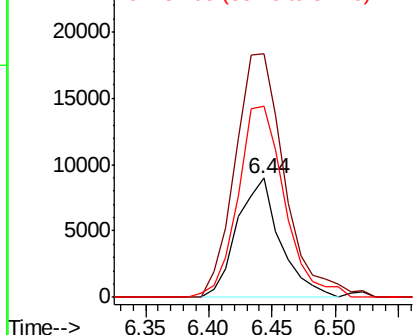
#31
Cyclohexane
Concen: 1.094 ug/l
RT: 6.44 min Scan# 530
Delta R.T. 0.07 min
Lab File: VD060697.D
Acq: 21 Dec 2018 21:28

Instrument :
MSVOA_D
ClientSampled :
S-3(5)

Tot Ion: 56 Resp: 21249
Ion Ratio Lower Upper
56 100
69 204.6 23.6 35.4#
84 161.1 65.8 98.6#

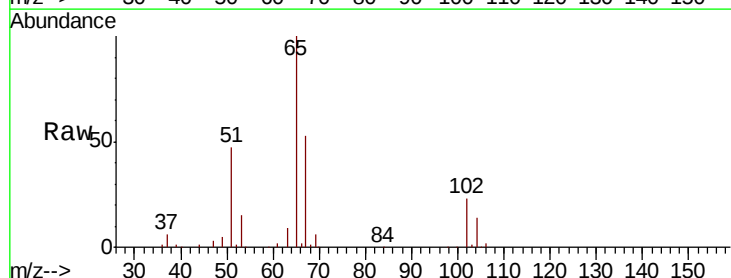


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

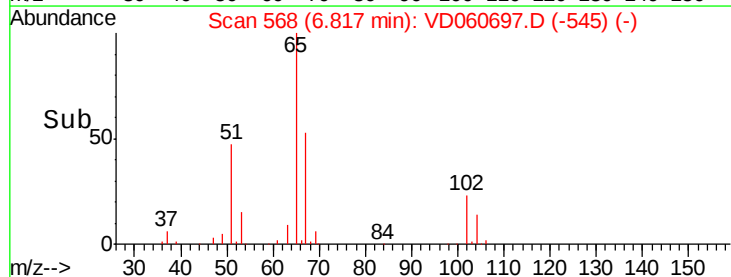
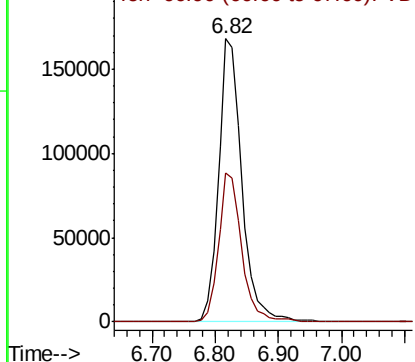


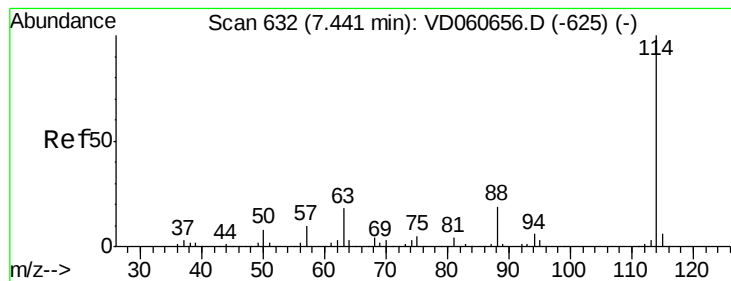
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.82 min Scan# 568
Delta R.T. 0.03 min
Lab File: VD060697.D
Acq: 21 Dec 2018 21:28

Tgt Ion: 65 Resp: 432253
Ion Ratio Lower Upper
65 100
67 52.8 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: 7.48 min Scan# 635

Delta R.T. 0.04 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

S-3(5)

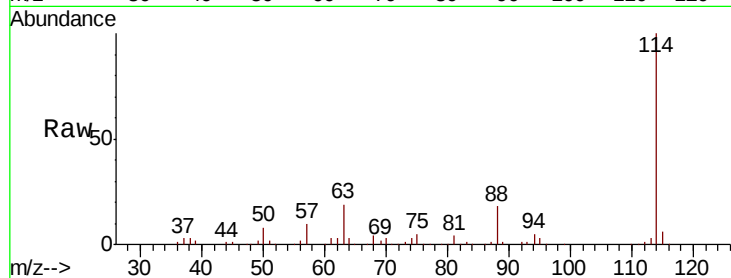
Tot Ion:114 Resp: 1511427

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

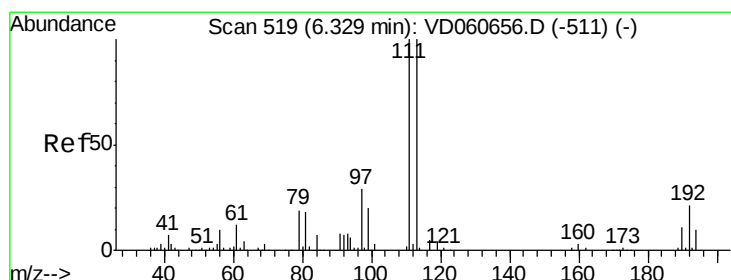
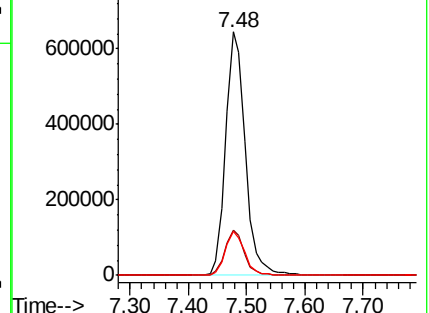
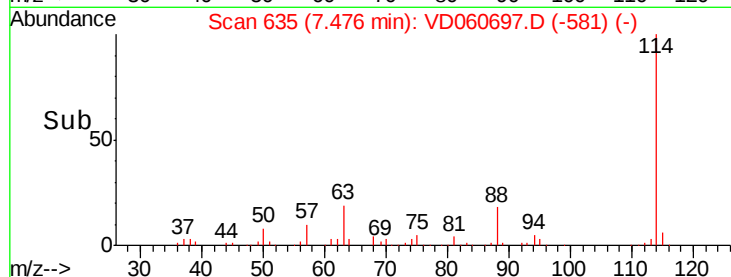
88 18.2 0.0 37.0



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: 6.36 min Scan# 522

Delta R.T. 0.04 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

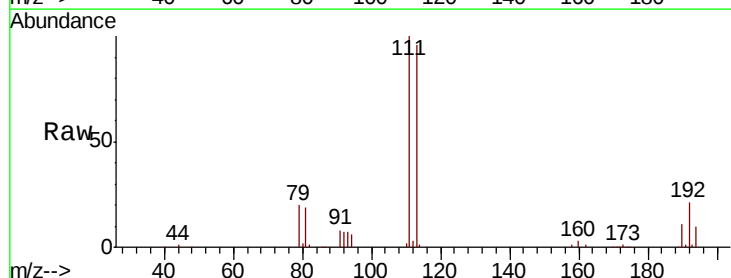
Tgt Ion:113 Resp: 545147

Ion Ratio Lower Upper

113 100

111 104.0 80.0 120.0

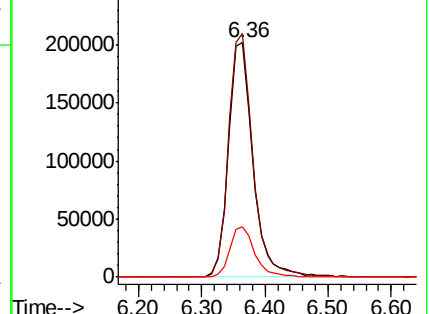
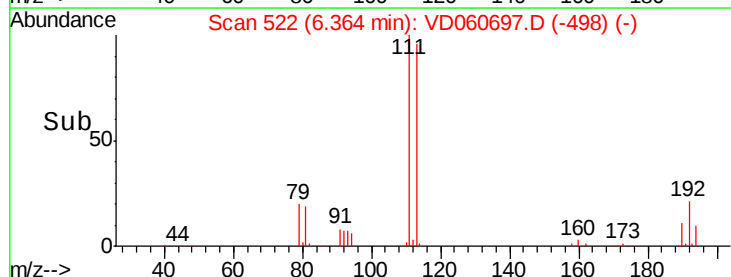
192 21.5 16.6 25.0

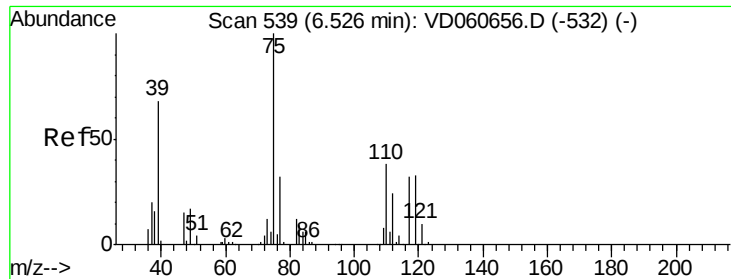


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

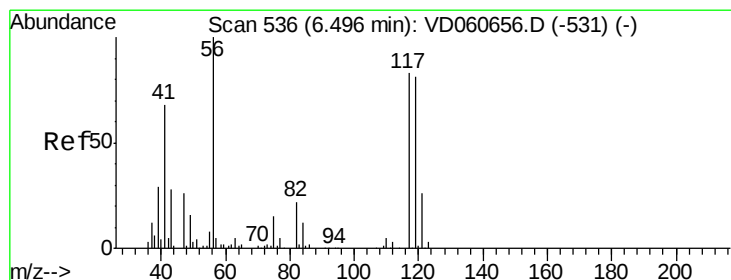
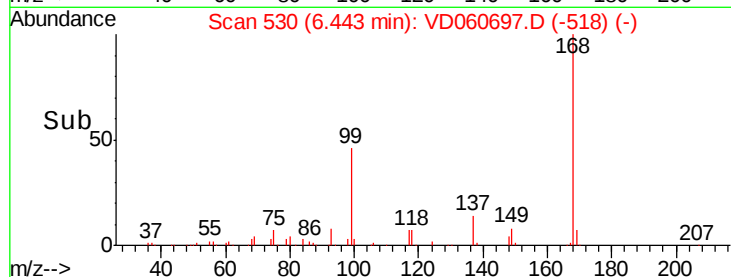
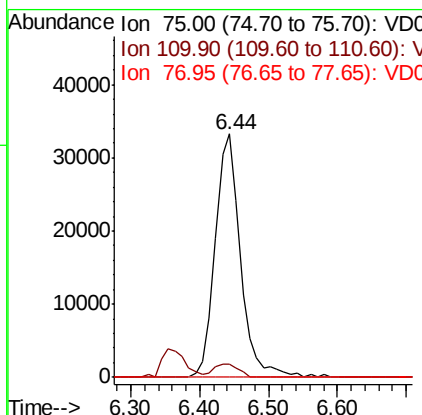
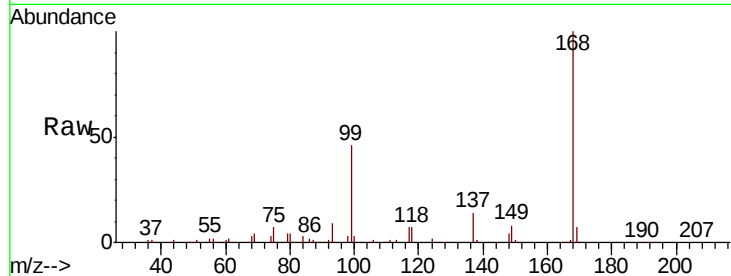




#36
 1,1-Dichloropropene
 Concen: 5.445 ug/l
 RT: 6.44 min Scan# 530
 Delta R.T. -0.08 min
 Lab File: VD060697.D
 Acq: 21 Dec 2018 21:28

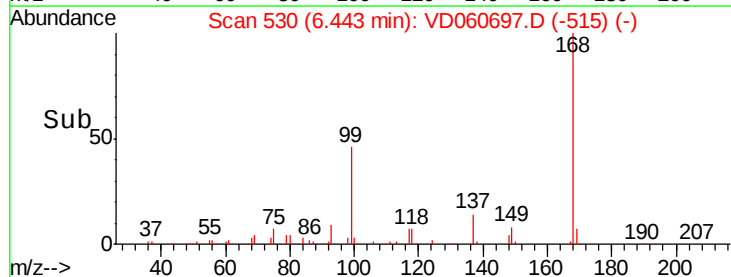
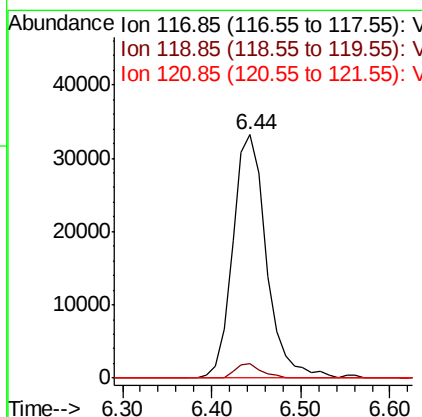
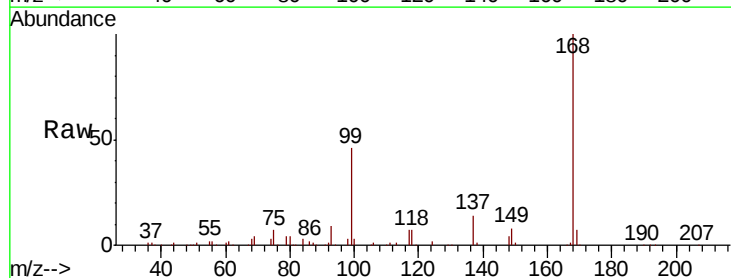
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3(5)

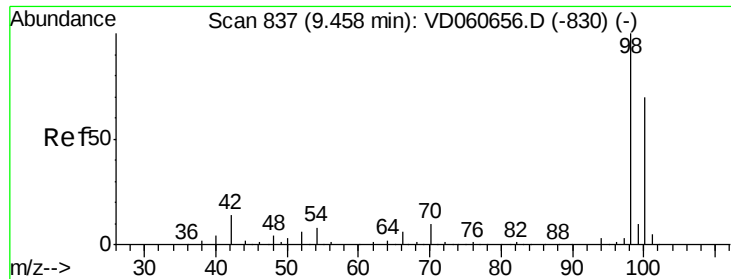
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	18.9	56.7#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.352 ug/l
 RT: 6.44 min Scan# 530
 Delta R.T. -0.05 min
 Lab File: VD060697.D
 Acq: 21 Dec 2018 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.0	115.4#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.49 min Scan# 840

Delta R.T. 0.04 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

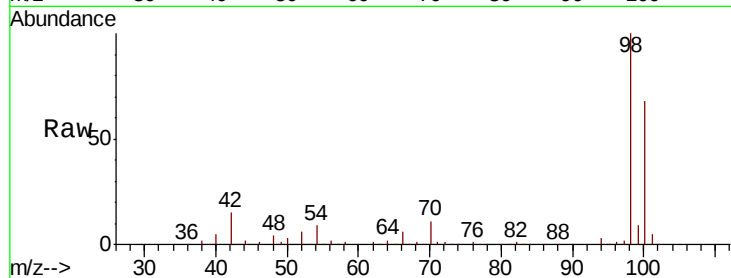
S-3(5)

Tot Ion: 98 Resp: 1345787

Ion Ratio Lower Upper

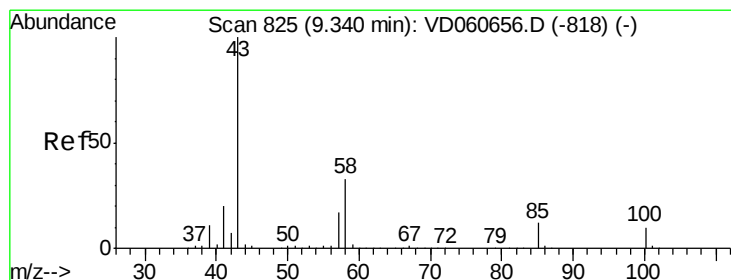
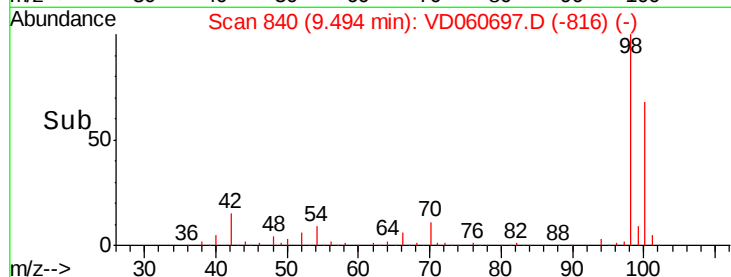
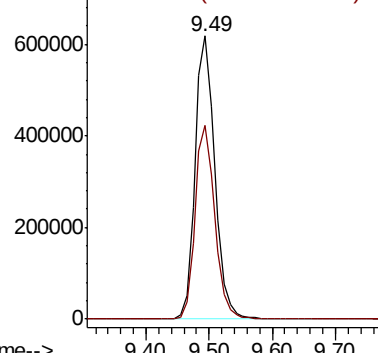
98 100

100 68.3 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.482 ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.14 min

Lab File: VD060697.D

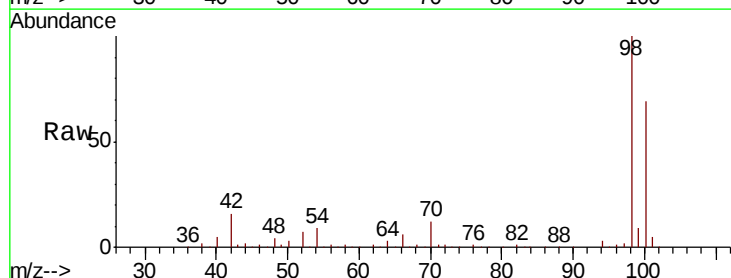
Acq: 21 Dec 2018 21:28

Tgt Ion: 43 Resp: 7583

Ion Ratio Lower Upper

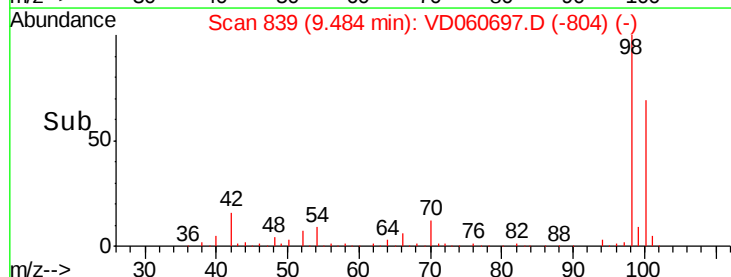
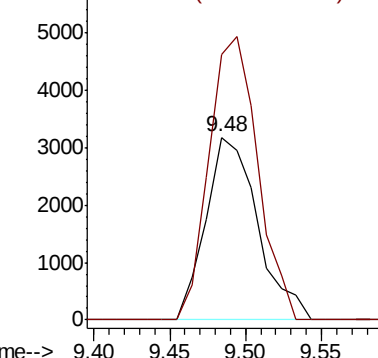
43 100

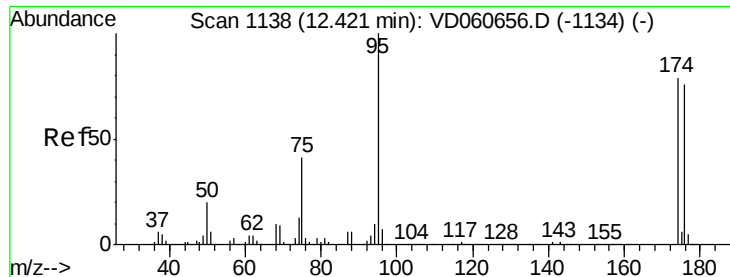
58 145.6 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

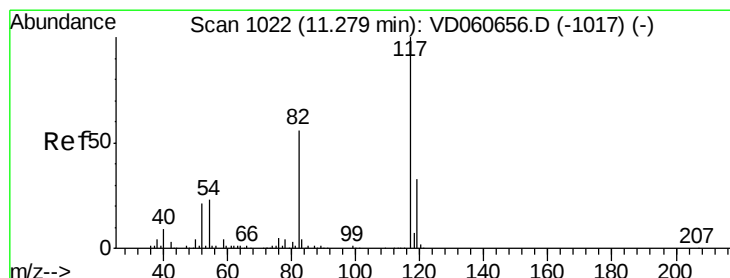
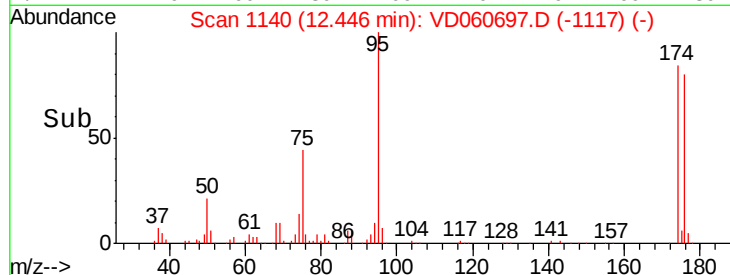
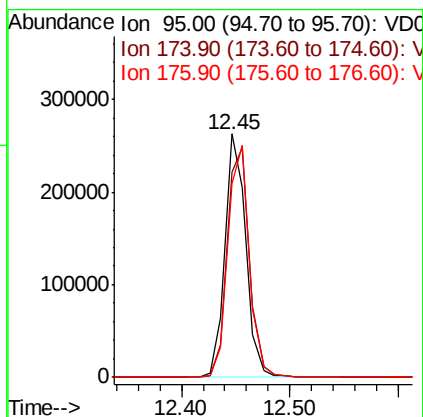
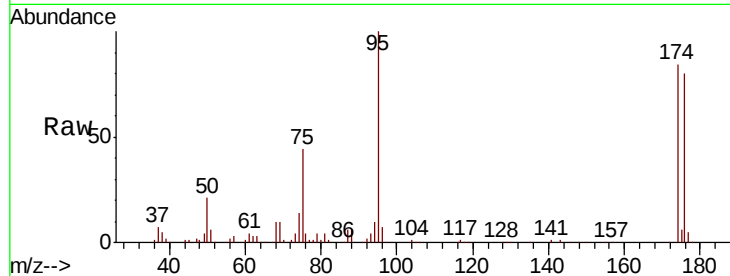




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.45 min Scan# 1140
Delta R.T. 0.03 min
Lab File: VD060697.D
Acq: 21 Dec 2018 21:28

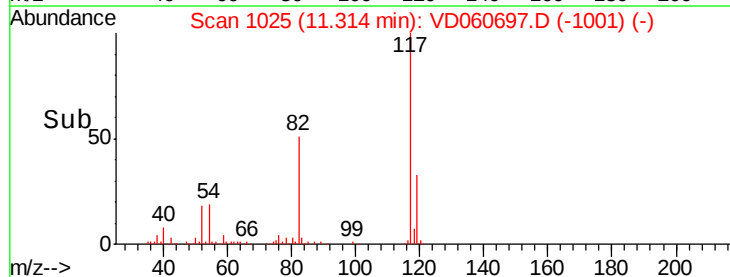
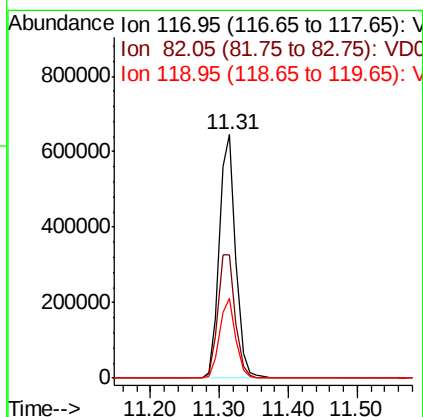
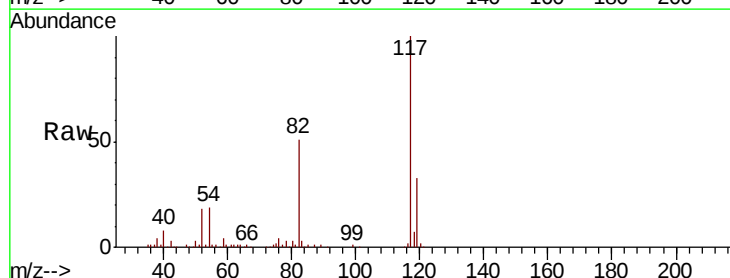
Instrument :
MSVOA_D
ClientSampleId :
S-3(5)

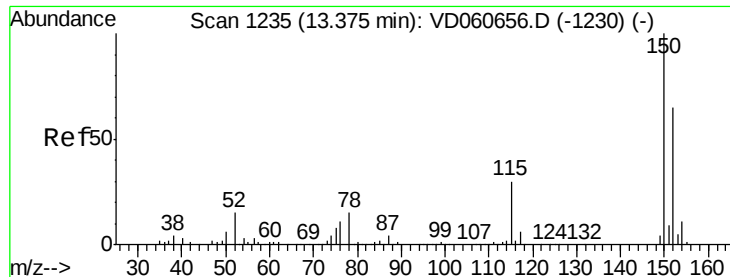
Tot Ion: 95 Resp: 350824
Ion Ratio Lower Upper
95 100
174 84.3 0.0 158.2
176 79.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.04 min
Lab File: VD060697.D
Acq: 21 Dec 2018 21:28

Tgt Ion: 117 Resp: 1056458
Ion Ratio Lower Upper
117 100
82 50.7 44.5 66.7
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.02 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampled :

S-3(5)

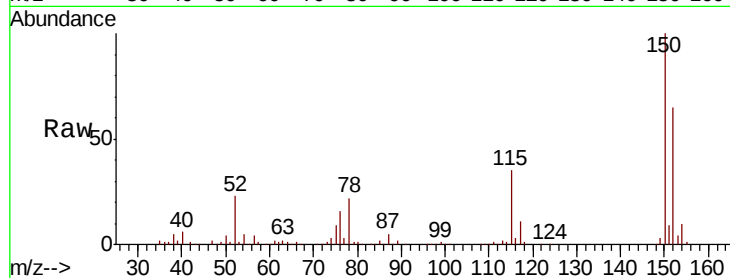
Tot Ion:152 Resp: 370011

Ion Ratio Lower Upper

152 100

115 53.1 24.1 72.3

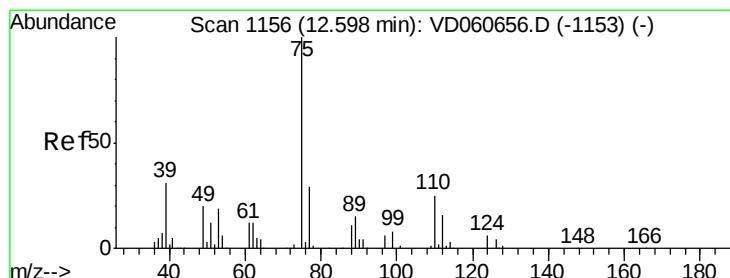
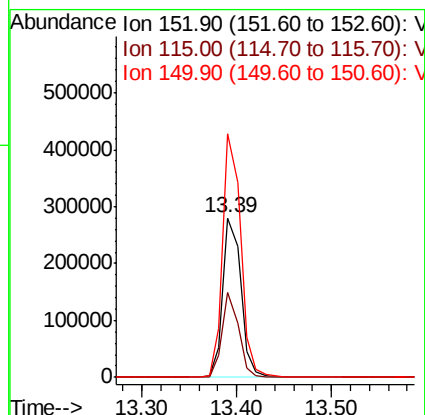
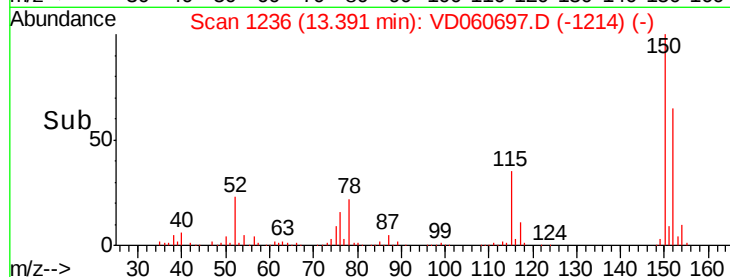
150 153.0 0.0 315.0



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



#76

1,2,3-Trichloropropane

Concen: 35.580 ug/l

RT: 12.45 min Scan# 1140

Delta R.T. -0.15 min

Lab File: VD060697.D

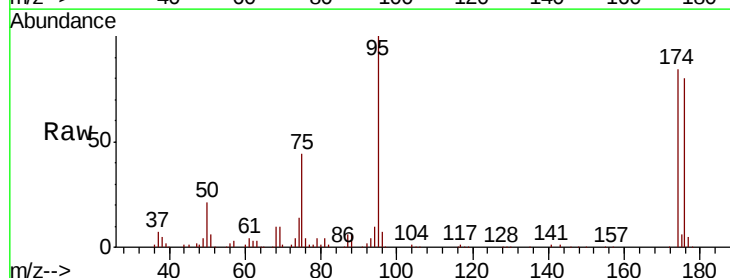
Acq: 21 Dec 2018 21:28

Tgt Ion: 75 Resp: 149883

Ion Ratio Lower Upper

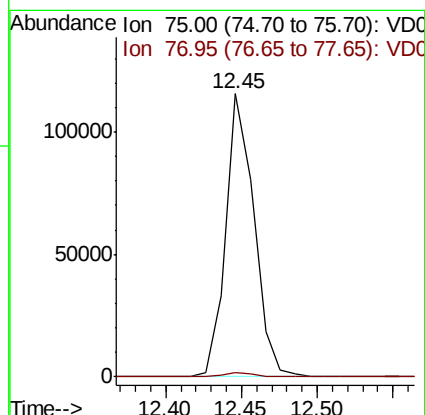
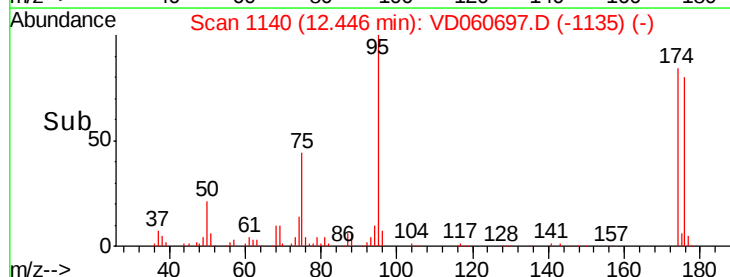
75 100

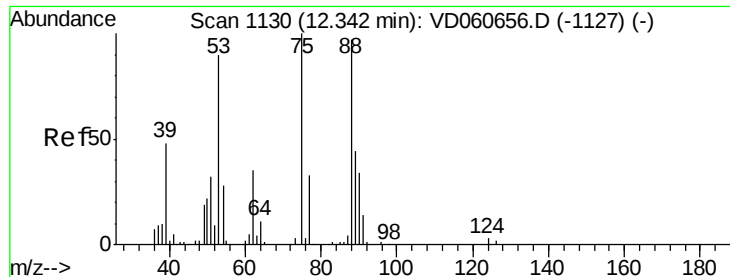
77 1.7 16.7 50.0#



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: 128.785 ug/l

RT: 12.45 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VD060697.D

Acq: 21 Dec 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

S-3(5)

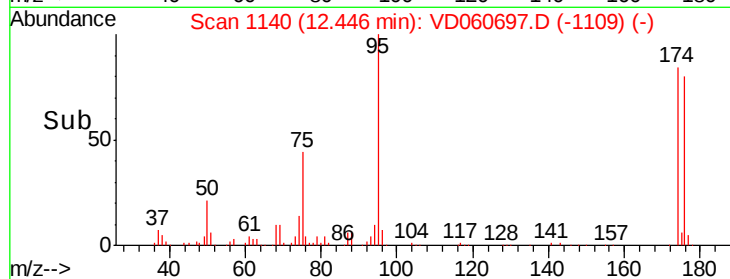
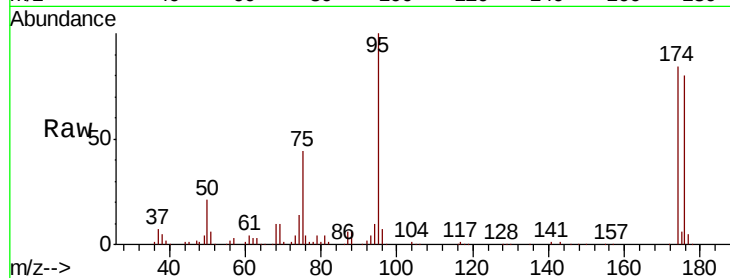
Tot Ion: 75 Resp: 149908

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

