

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060685.D
 Acq On : 21 Dec 2018 15:50
 Operator : VA/AP
 Sample : J6200-01
 Misc : 6.01g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122018

Quant Time: Dec 21 22:25:24 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	107621	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	187337	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	162669	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	78125	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	75004	100.85	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	201.70%	
35) Dibromofluoromethane	6.36	113	69783	50.89	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	101.78%	
50) Toluene-d8	9.49	98	114494	27.99	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	55.98%	
62) 4-Bromofluorobenzene	12.45	95	52345	36.53	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	73.06%	

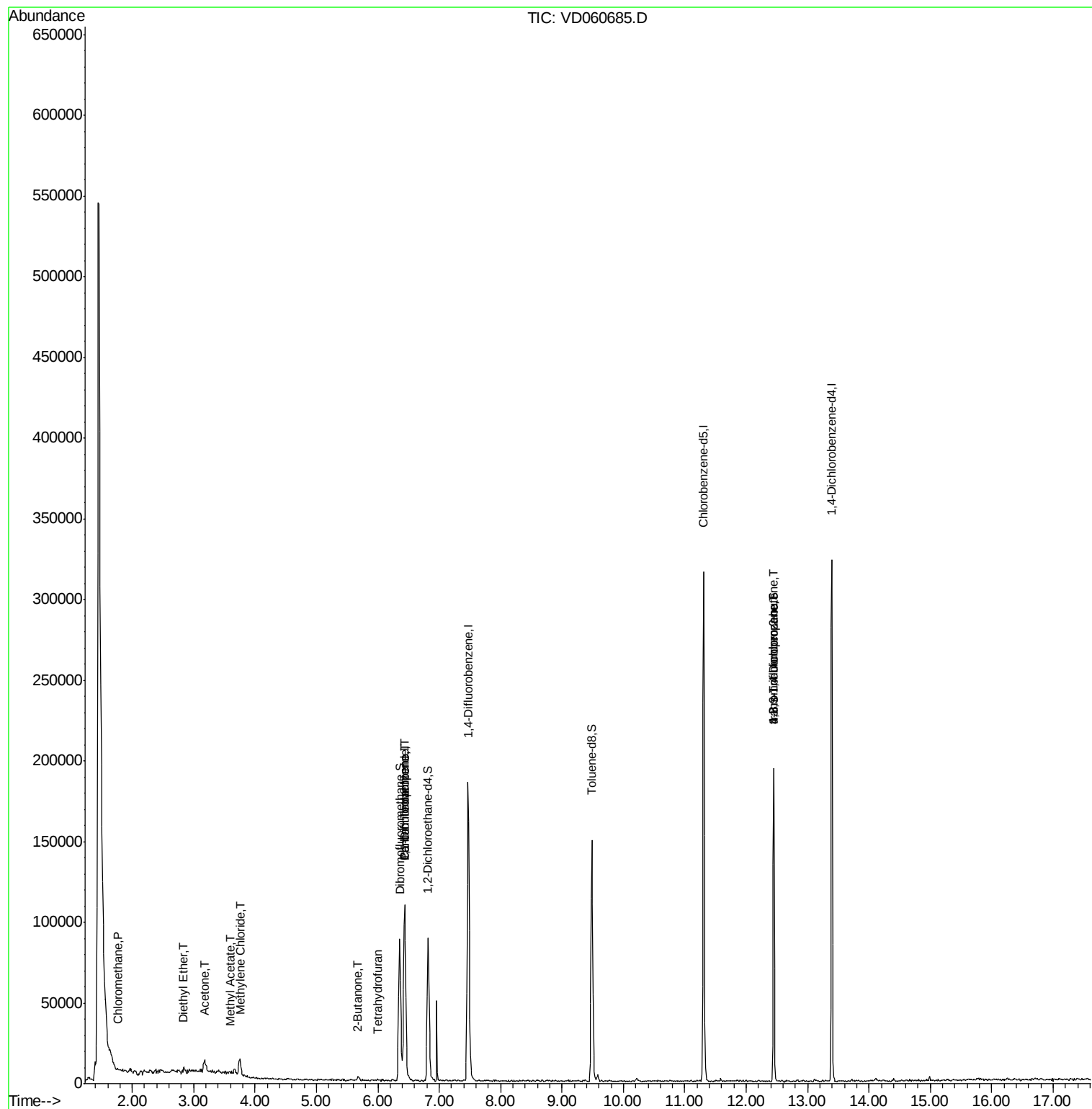
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	2050	1.620	ug/l	96
8) Diethyl Ether	2.84	74	400	2.139	ug/l	88
16) Acetone	3.18	43	16464	126.760	ug/l #	90
18) Methyl Acetate	3.59	43	2467	7.664	ug/l #	63
20) Methylene Chloride	3.76	84	6108	4.528	ug/l #	92
25) 2-Butanone	5.67	43	534	2.149	ug/l #	61
29) Tetrahydrofuran	5.98	42	393	2.789	ug/l #	40
36) 1,1-Dichloropropene	6.44	75	7510	3.893	ug/l #	40
38) Carbon Tetrachloride	6.44	117	7920	4.654	ug/l #	12
76) 1,2,3-Trichloropropane	12.45	75	21264	23.907	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.45	75	21262	86.510	ug/l #	13

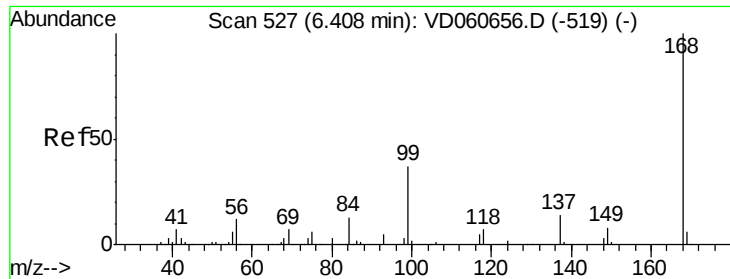
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 22:25:24 2018
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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: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

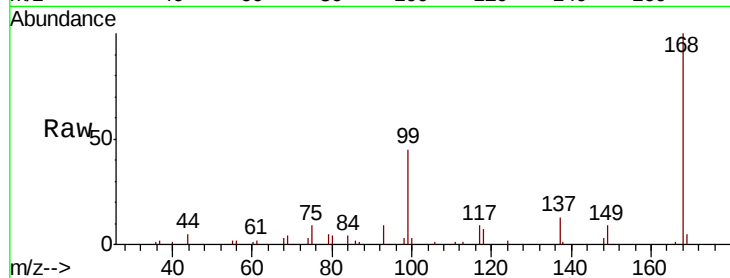
TR-05-122018

Tot Ion:168 Resp: 107621

Ion Ratio Lower Upper

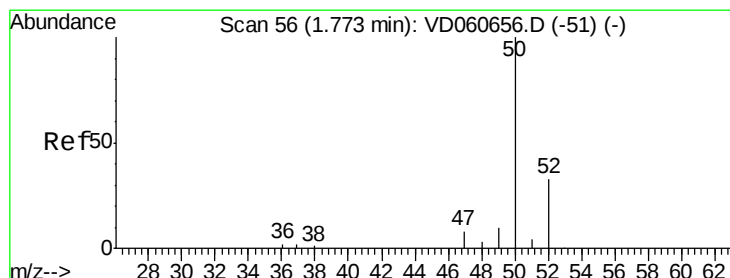
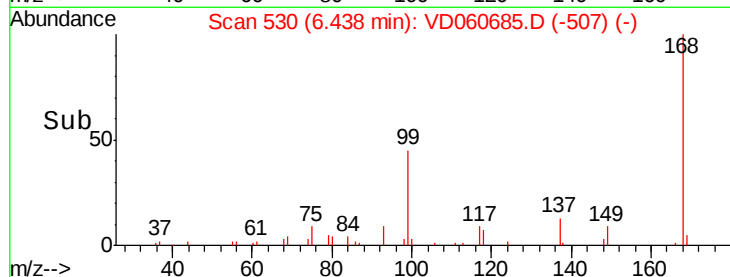
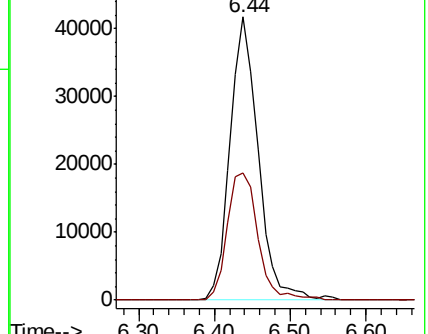
168 100

99 44.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.620 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060685.D

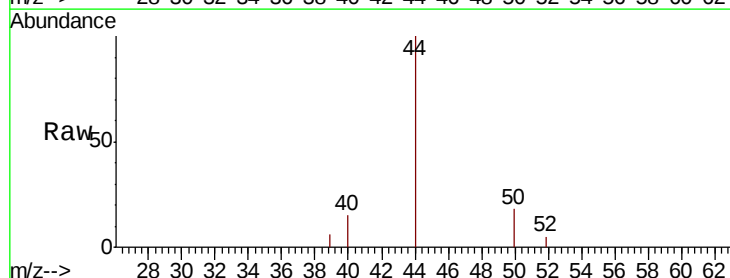
Acq: 21 Dec 2018 15:50

Tgt Ion: 50 Resp: 2050

Ion Ratio Lower Upper

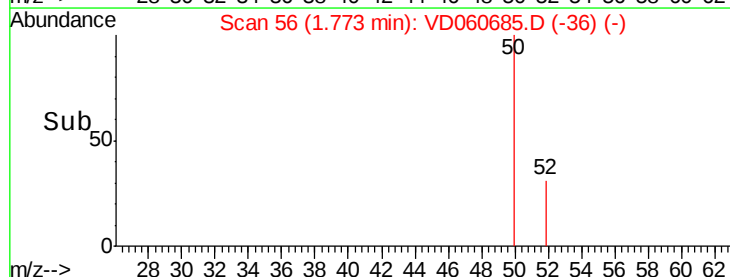
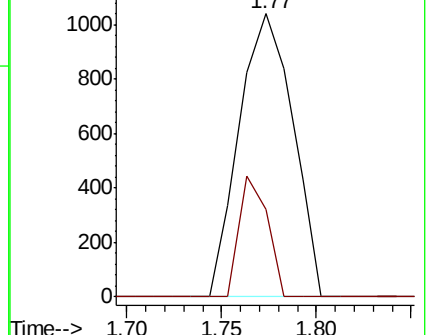
50 100

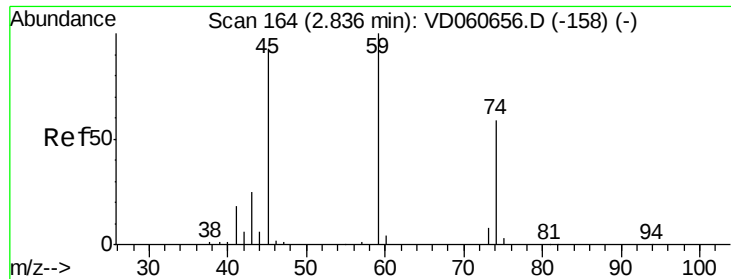
52 30.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 2.139 ug/l

RT: 2.84 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

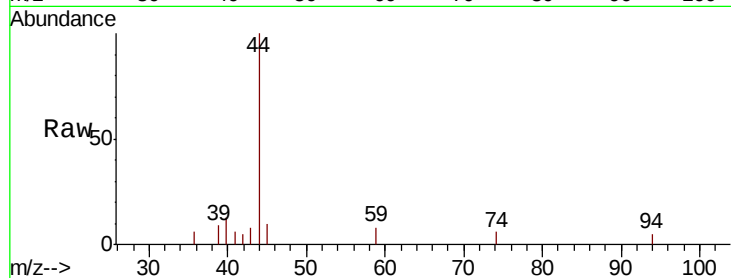
TR-05-122018

Tot Ion: 74 Resp: 400

Ion Ratio Lower Upper

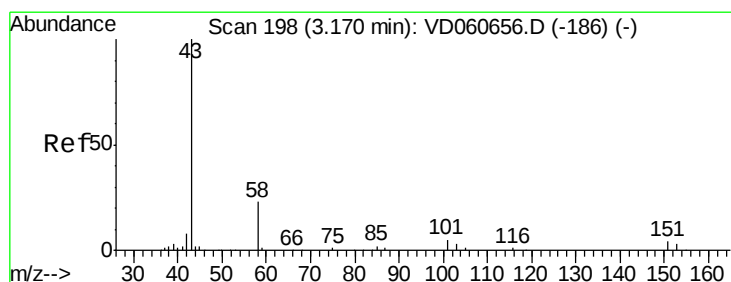
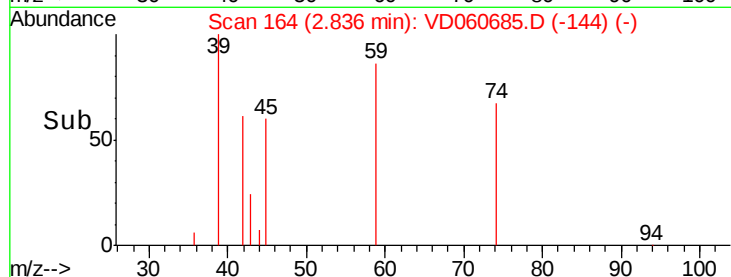
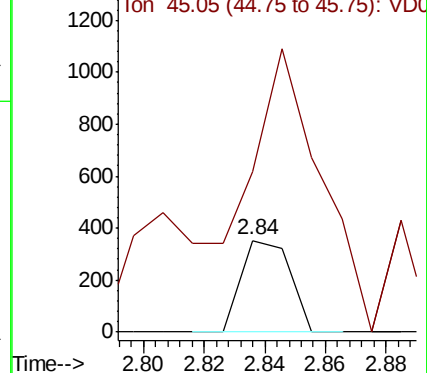
74 100

45 174.2 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 126.760 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060685.D

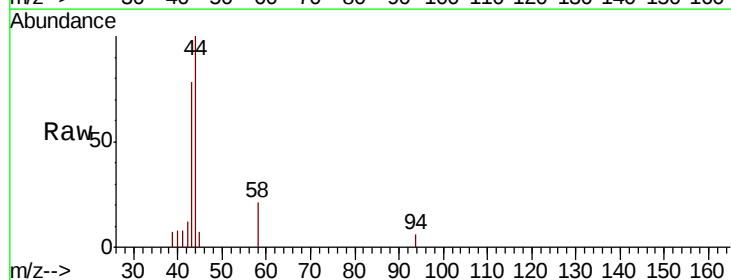
Acq: 21 Dec 2018 15:50

Tgt Ion: 43 Resp: 16464

Ion Ratio Lower Upper

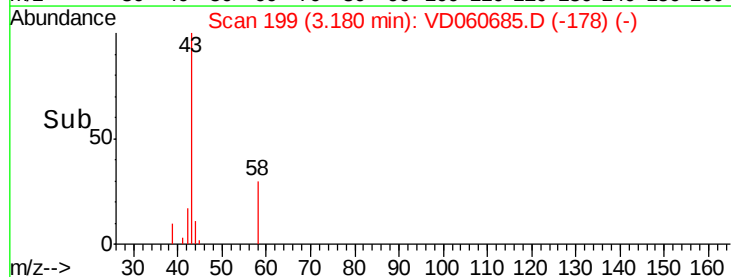
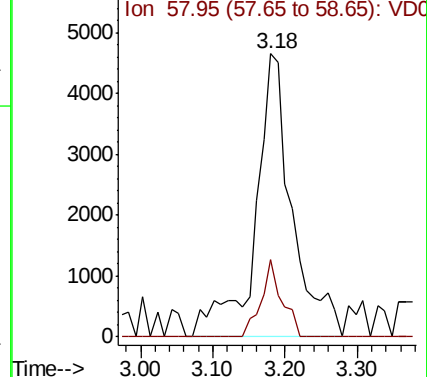
43 100

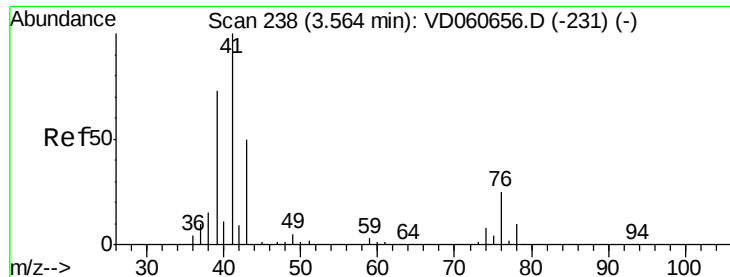
58 27.5 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

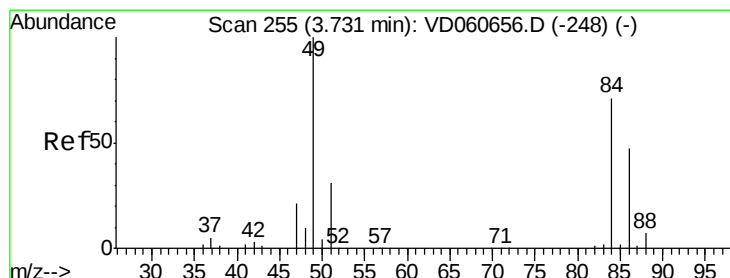
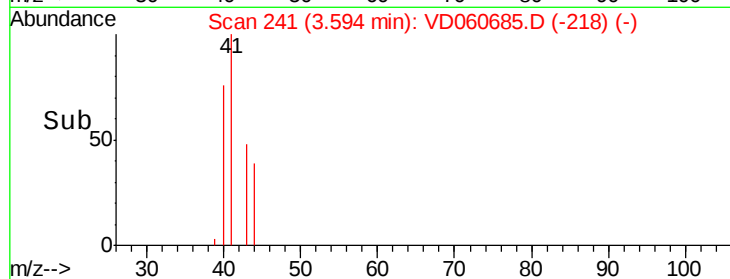
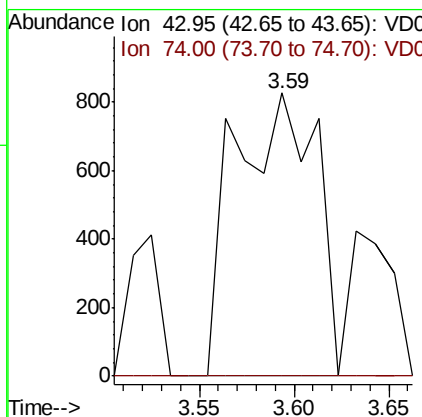
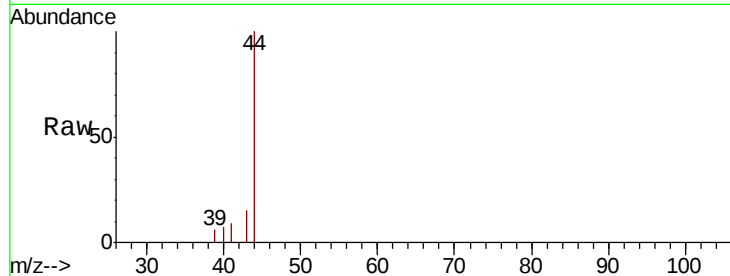




#18
Methyl Acetate
Concen: 7.664 ug/l
RT: 3.59 min Scan# 241
Delta R.T. 0.03 min
Lab File: VD060685.D
Acq: 21 Dec 2018 15:50

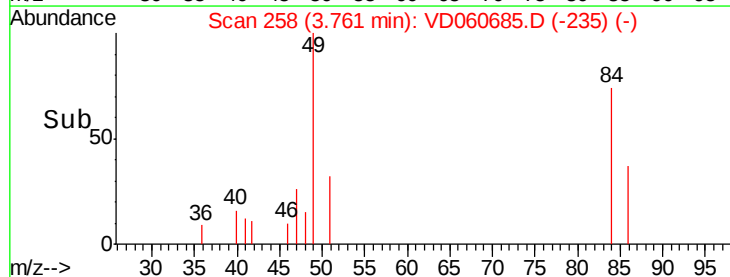
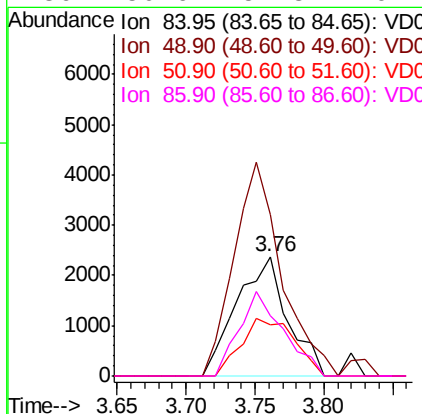
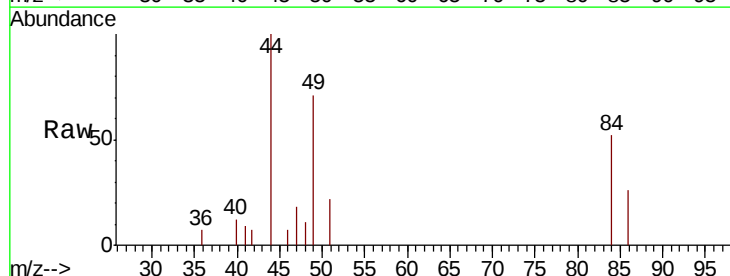
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122018

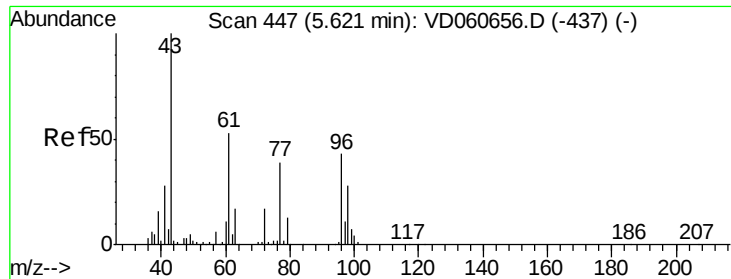
Tot Ion: 43 Resp: 2467
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 4.528 ug/l
RT: 3.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD060685.D
Acq: 21 Dec 2018 15:50

Tgt Ion: 84 Resp: 6108
Ion Ratio Lower Upper
84 100
49 135.7 113.6 170.4
51 42.8 34.7 52.1
86 50.6 52.8 79.2#





#25

2-Butanone

Concen: 2.149 ug/l

RT: 5.67 min Scan# 452

Delta R.T. 0.05 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

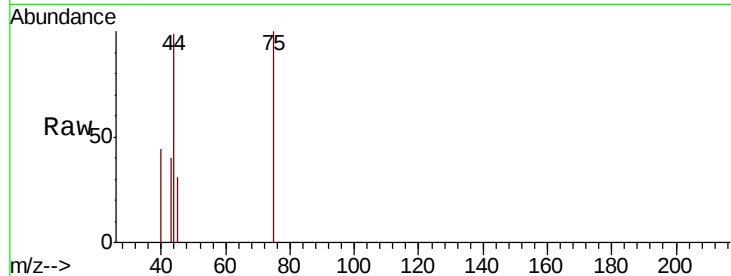
TR-05-122018

Tot Ion: 43 Resp: 534

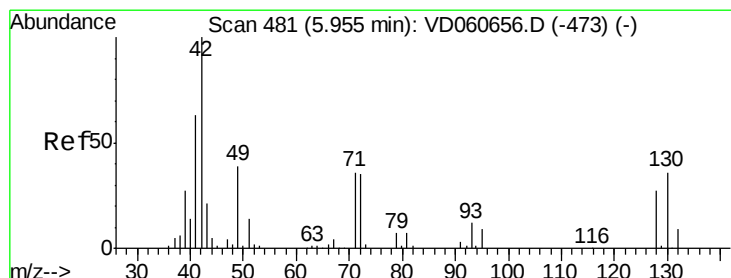
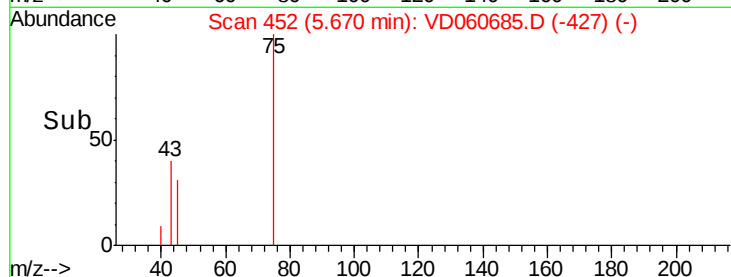
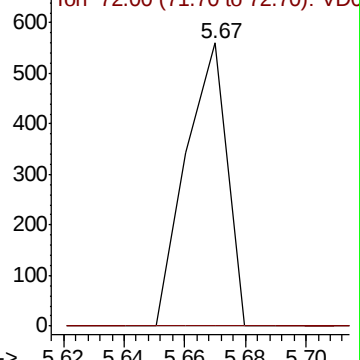
Ion Ratio Lower Upper

43 100

72 0.0 13.7 20.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 2.789 ug/l

RT: 5.98 min Scan# 484

Delta R.T. 0.03 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

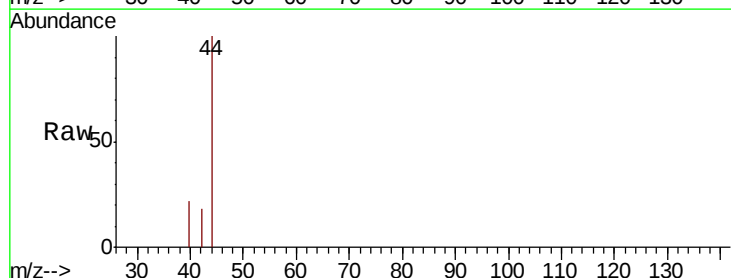
Tgt Ion: 42 Resp: 393

Ion Ratio Lower Upper

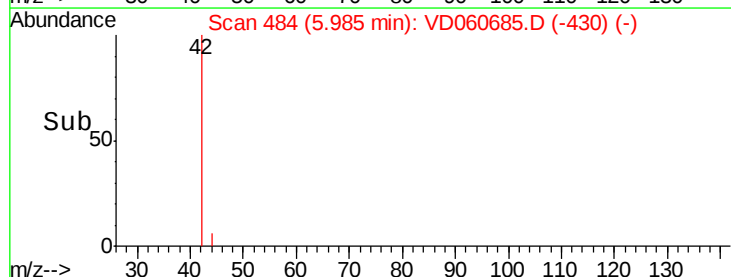
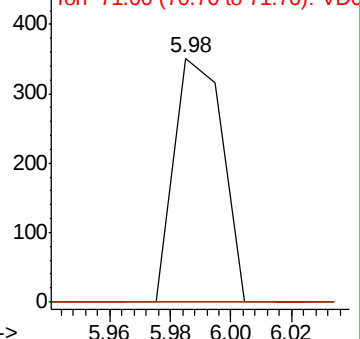
42 100

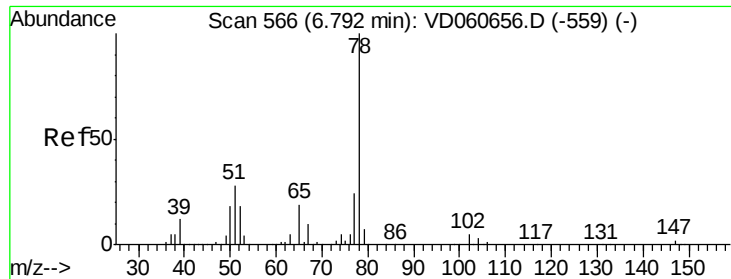
72 0.0 28.0 42.0#

71 0.0 27.0 40.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

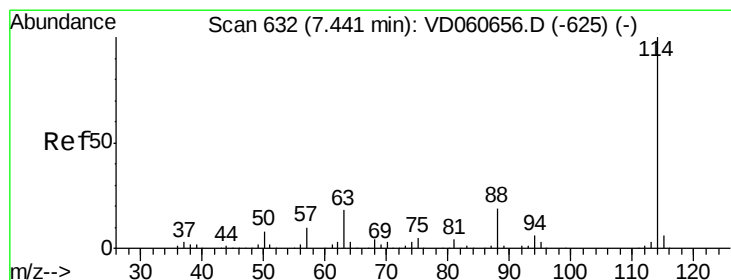
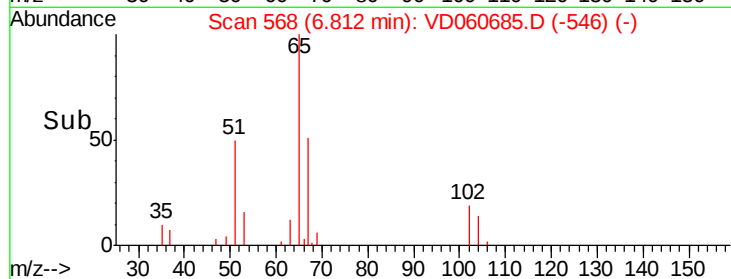
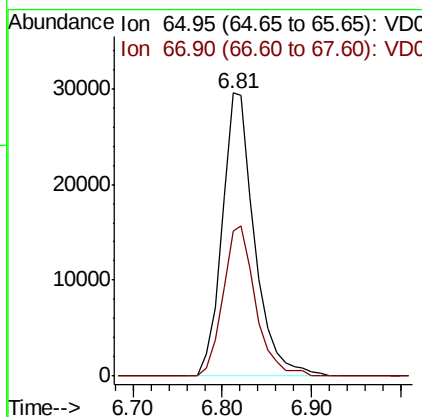
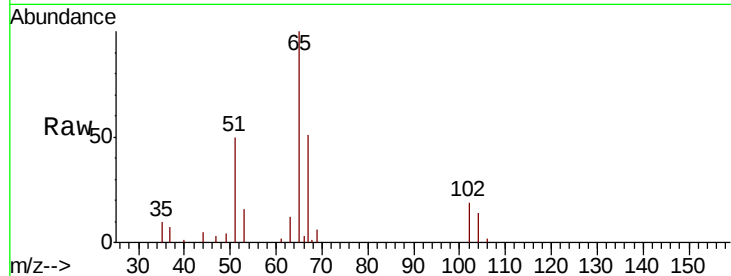




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD060685.D
 Acq: 21 Dec 2018 15:50

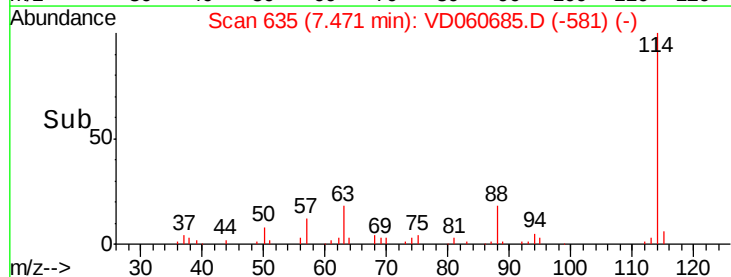
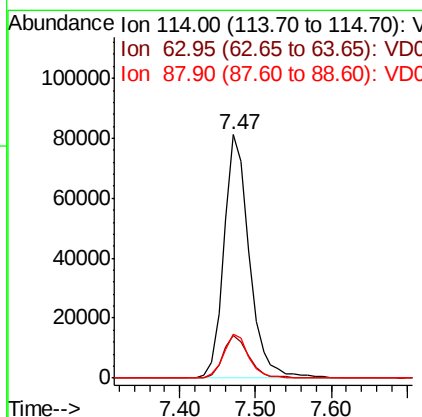
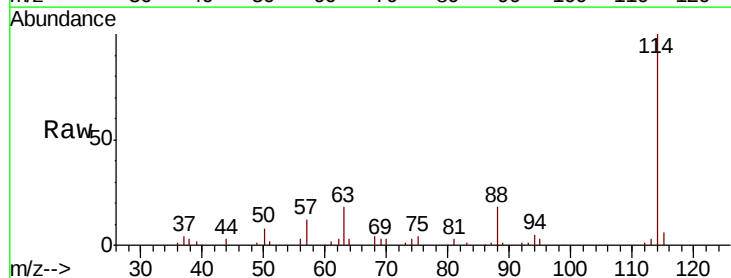
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122018

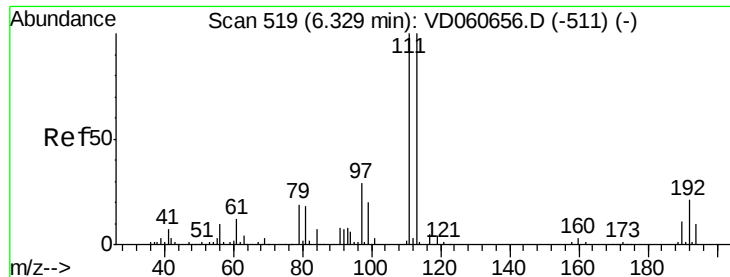
Tot Ion: 65 Resp: 75004
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060685.D
 Acq: 21 Dec 2018 15:50

Tgt Ion: 114 Resp: 187337
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 18.0 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: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122018

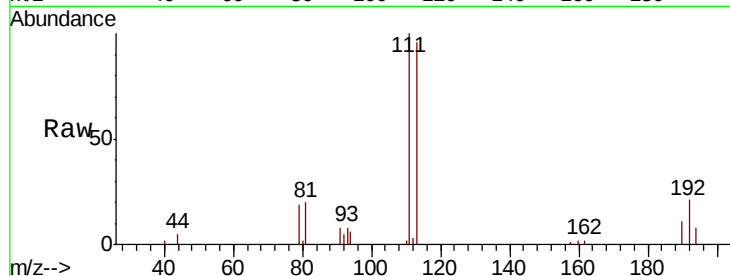
Tot Ion:113 Resp: 69783

Ion Ratio Lower Upper

113 100

111 104.5 80.0 120.0

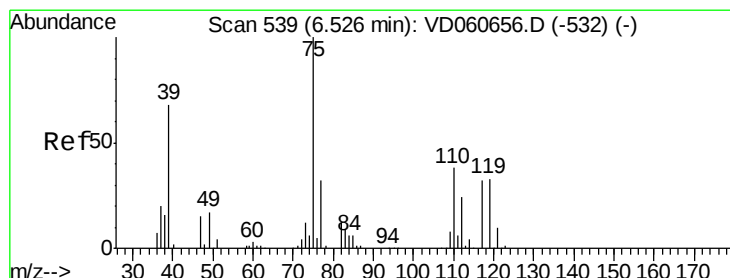
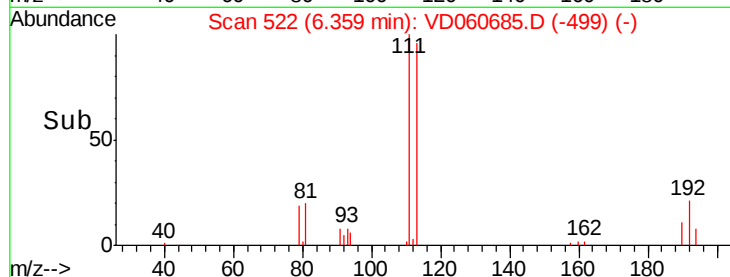
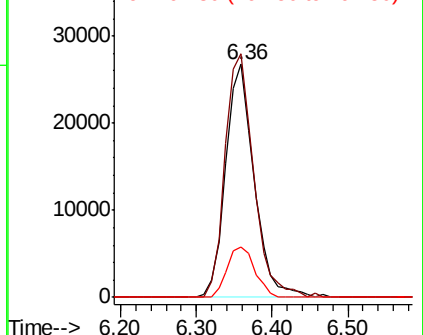
192 21.6 16.6 25.0



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: 3.893 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

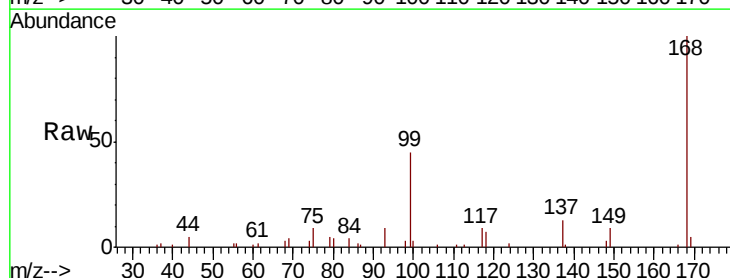
Tgt Ion: 75 Resp: 7510

Ion Ratio Lower Upper

75 100

110 0.0 18.9 56.7#

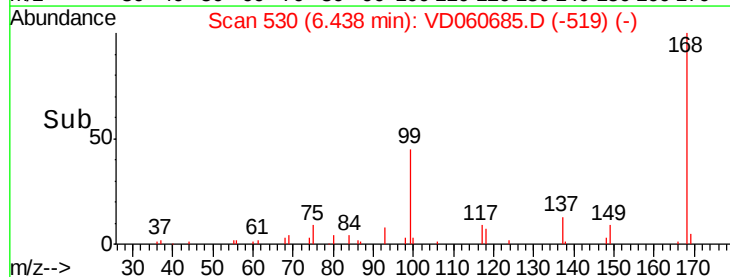
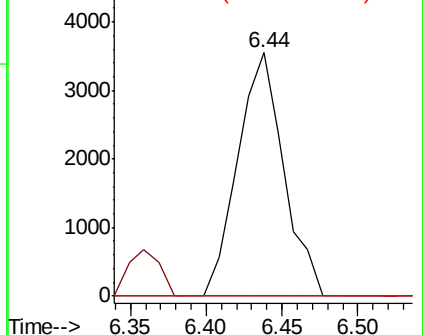
77 0.0 25.4 38.0#

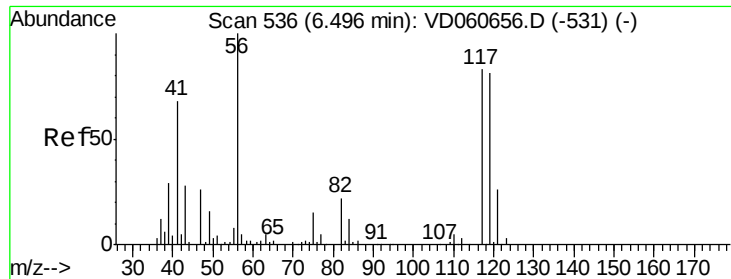


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

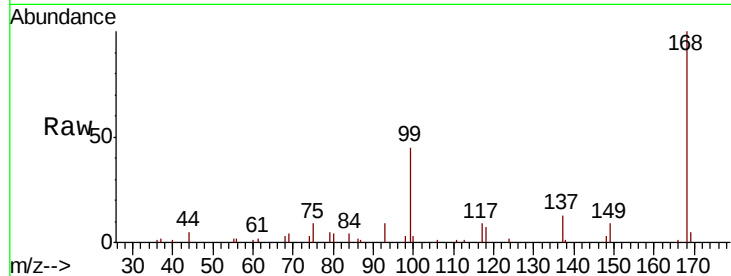




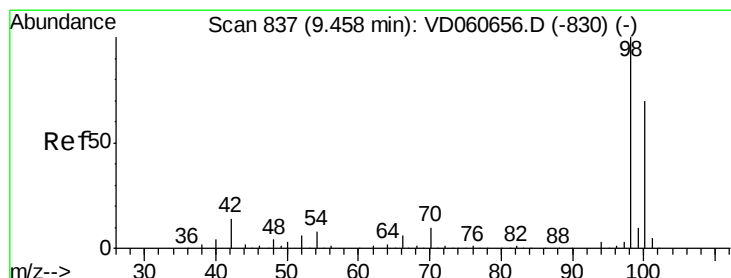
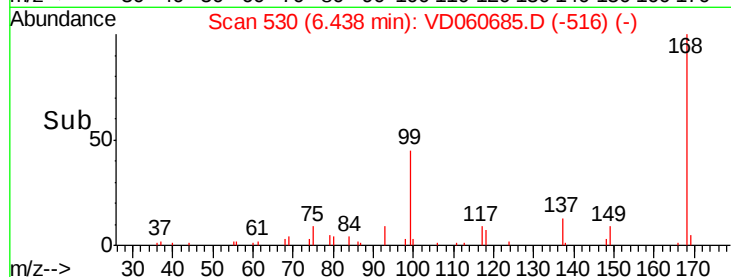
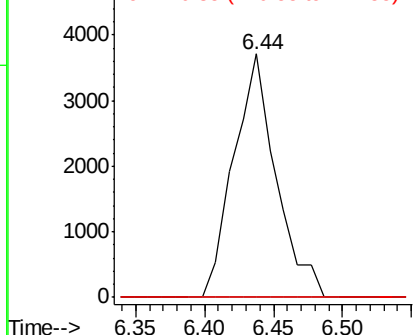
#38
Carbon Tetrachloride
Concen: 4.654 ug/l
RT: 6.44 min Scan# 530
Delta R.T. -0.06 min
Lab File: VD060685.D
Acq: 21 Dec 2018 15:50

Instrument :
MSVOA_D
ClientSampleId :
TR-05-122018

Tot Ion:117 Resp: 7920
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#
121 0.0 24.7 37.1#

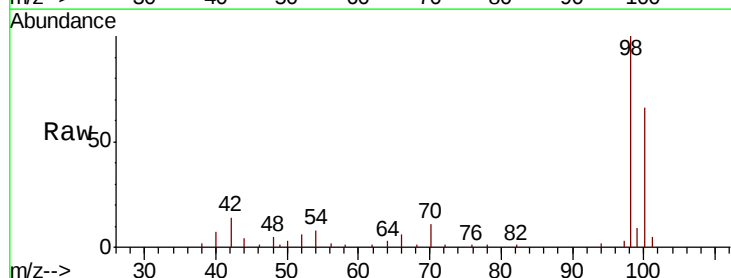


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

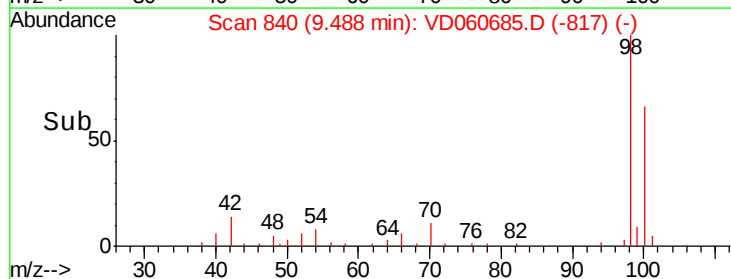
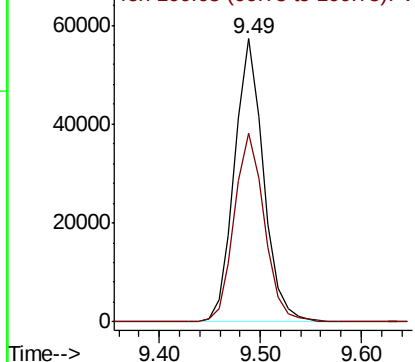


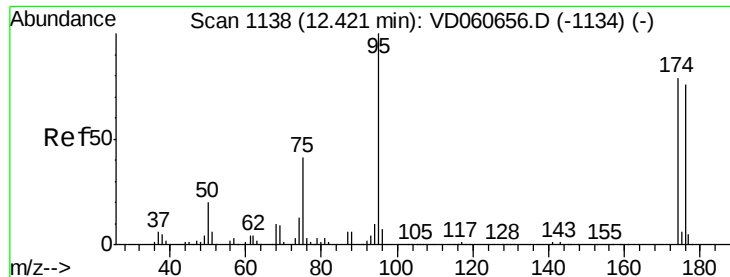
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.03 min
Lab File: VD060685.D
Acq: 21 Dec 2018 15:50

Tgt Ion: 98 Resp: 114494
Ion Ratio Lower Upper
98 100
100 66.5 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122018

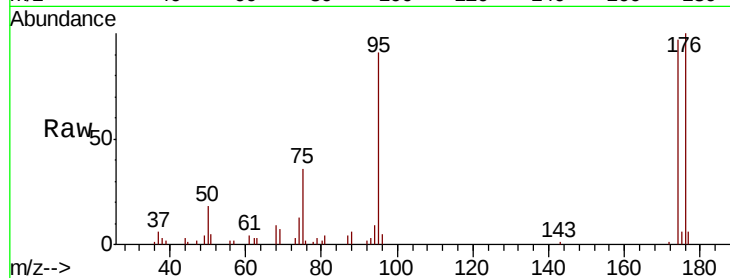
Tot Ion: 95 Resp: 52345

Ion Ratio Lower Upper

95 100

174 106.6 0.0 158.2

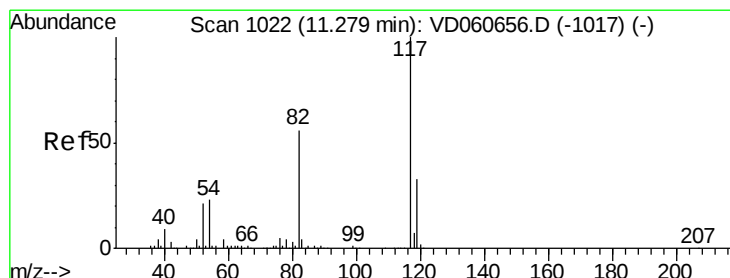
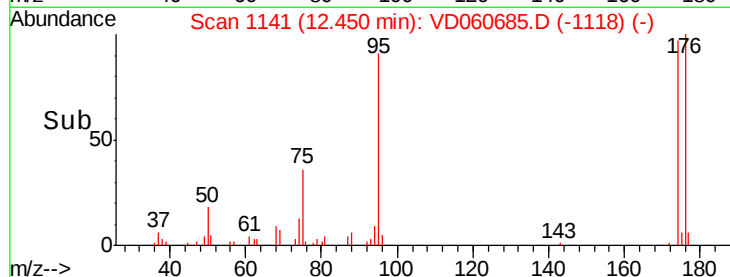
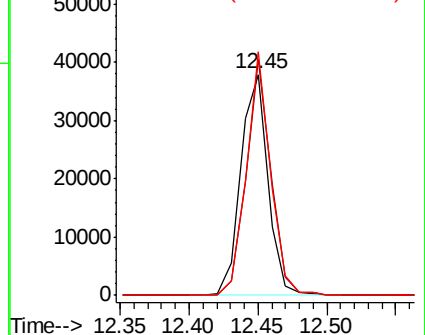
176 110.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: VD060685.D

Acq: 21 Dec 2018 15:50

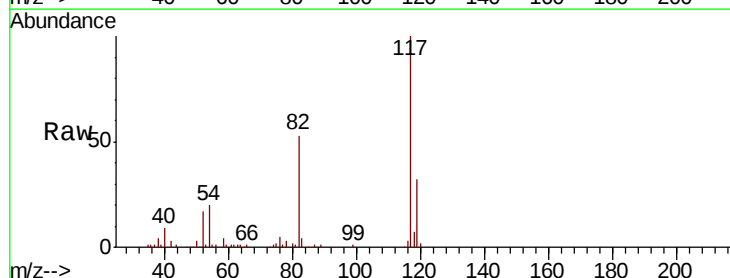
Tgt Ion: 117 Resp: 162669

Ion Ratio Lower Upper

117 100

82 53.1 44.5 66.7

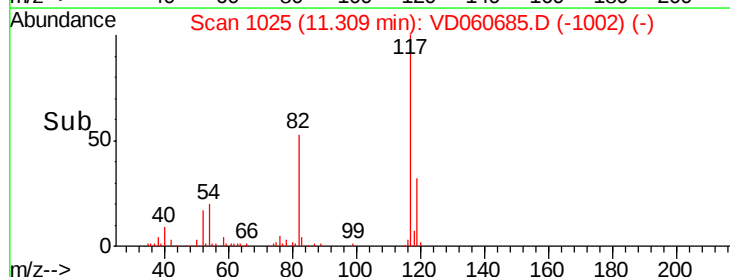
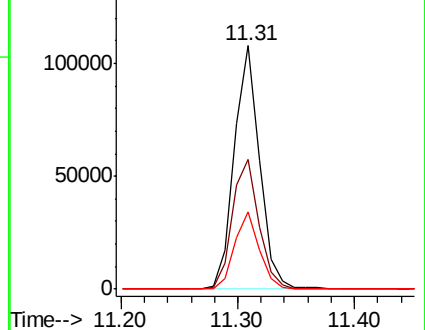
119 31.7 26.3 39.5

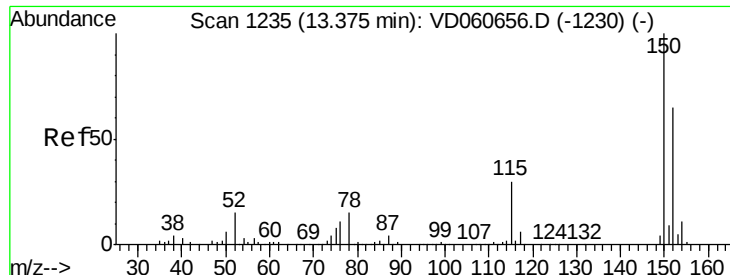


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.40 min Scan# 1237

Delta R.T. 0.02 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122018

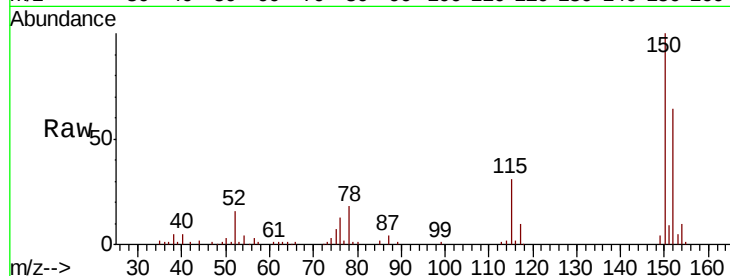
Tot Ion:152 Resp: 78125

Ion Ratio Lower Upper

152 100

115 48.3 24.1 72.3

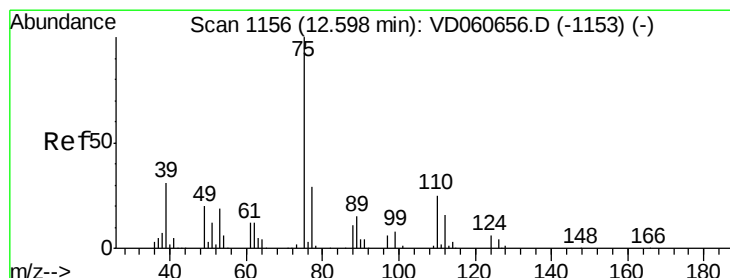
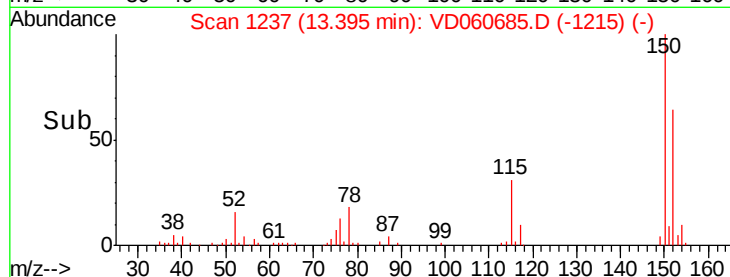
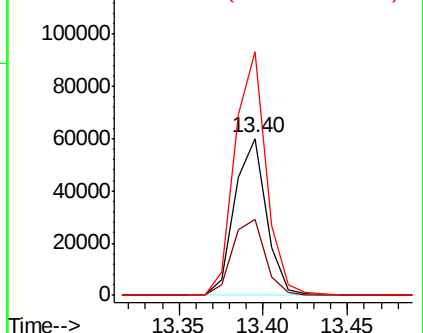
150 155.5 0.0 315.0



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: 23.907 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. -0.15 min

Lab File: VD060685.D

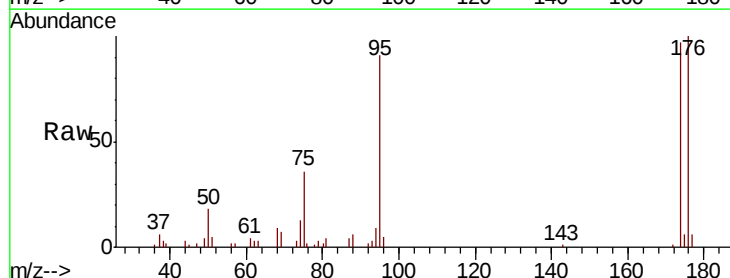
Acq: 21 Dec 2018 15:50

Tgt Ion: 75 Resp: 21264

Ion Ratio Lower Upper

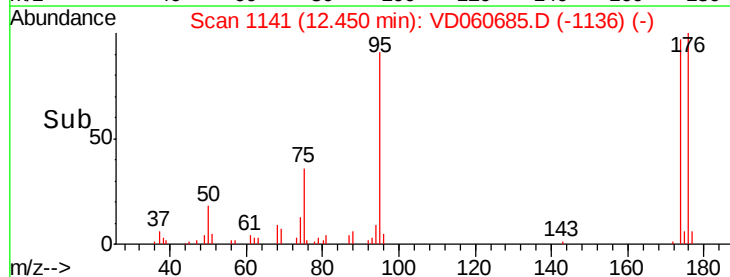
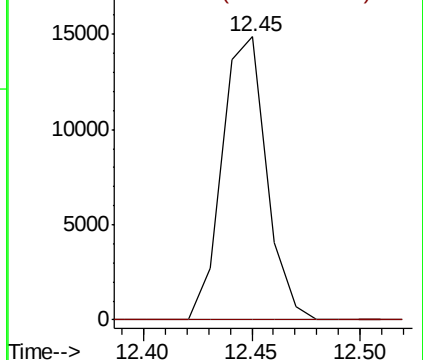
75 100

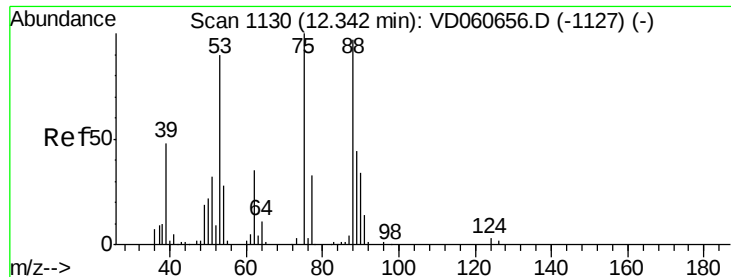
77 0.0 16.7 50.0#



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: 86.510 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.11 min

Lab File: VD060685.D

Acq: 21 Dec 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

TR-05-122018

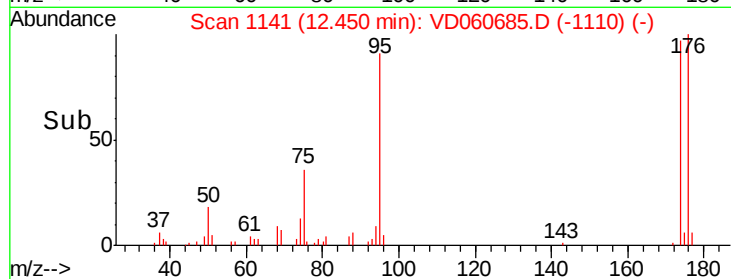
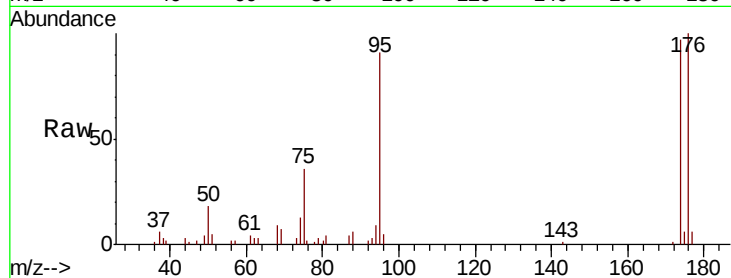
Tot Ion: 75 Resp: 21262

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

