

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060687.D
 Acq On : 21 Dec 2018 16:46
 Operator : VA/AP
 Sample : J6482-09
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DPC-91468-OS-01

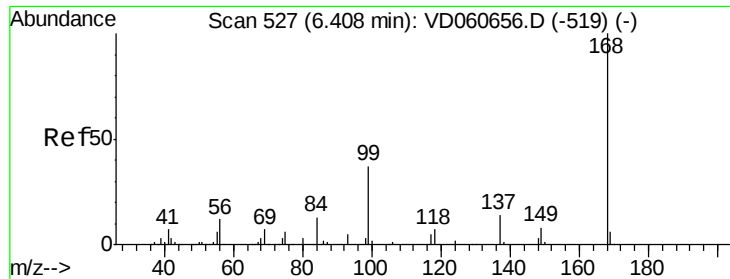
Quant Time: Dec 21 22:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	922806	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	1402979	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	740360	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	203353	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	371125	58.20	ug/l	0.03
Spiked Amount			Recovery	=	116.40%	
35) Dibromofluoromethane	6.36	113	492972	48.01	ug/l	0.03
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	9.49	98	832037	27.16	ug/l	0.03
Spiked Amount			Recovery	=	54.32%	
62) 4-Bromofluorobenzene	12.45	95	202727	18.89	ug/l	0.03
Spiked Amount			Recovery	=	37.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	269	1.009	ug/l #	74
16) Acetone	3.18	43	25221	22.646	ug/l #	85
18) Methyl Acetate	3.58	43	16541	5.993	ug/l #	92
20) Methylene Chloride	3.75	84	46748	4.042	ug/l	95
25) 2-Butanone	5.66	43	8167	3.832	ug/l	99
31) Cyclohexane	6.44	56	16660	1.034	ug/l #	1
36) 1,1-Dichloropropene	6.44	75	68662	4.753	ug/l #	44
37) Ethyl Acetate	5.66	43	8167	1.352	ug/l #	69
38) Carbon Tetrachloride	6.44	117	68843	5.401	ug/l #	16
76) 1,2,3-Trichloropropane	12.45	75	84239	36.386	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.45	75	84566	132.190	ug/l #	13
95) Naphthalene	14.99	128	6956	1.307	ug/l #	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060687.D

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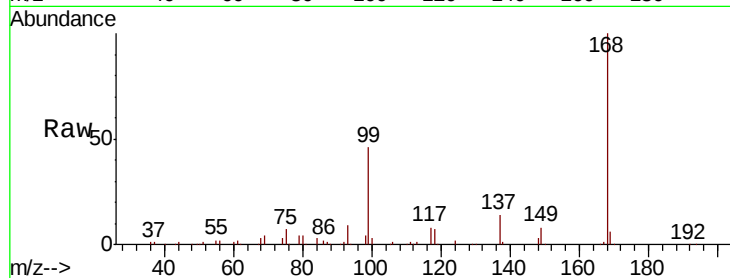
DPC-91468-OS-01

Tot Ion:168 Resp: 922806

Ion Ratio Lower Upper

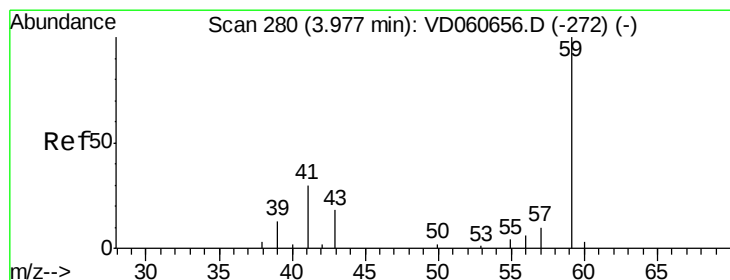
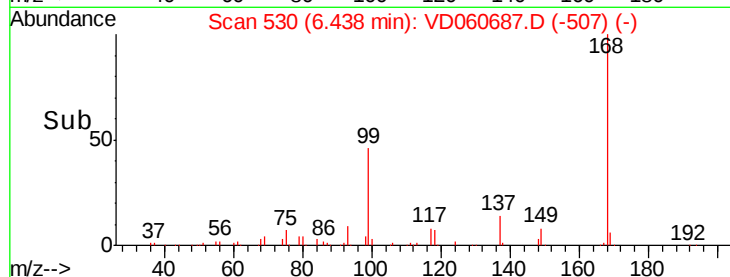
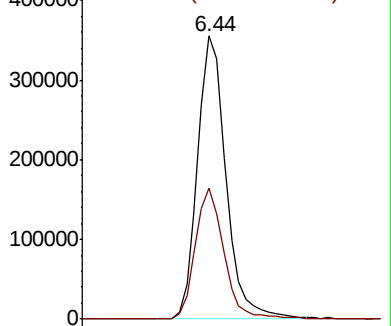
168 100

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



#11

Tert butyl alcohol

Concen: 1.009 ug/l

RT: 4.00 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD060687.D

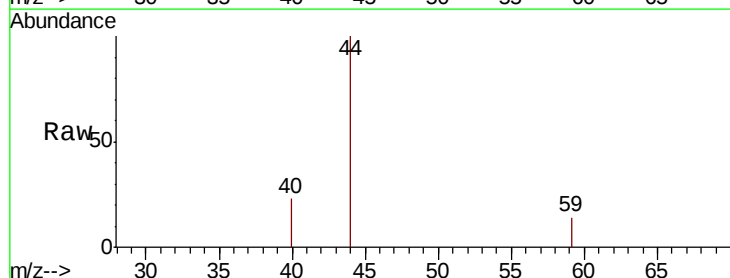
Acq: 21 Dec 2018 16:46

Tgt Ion: 59 Resp: 269

Ion Ratio Lower Upper

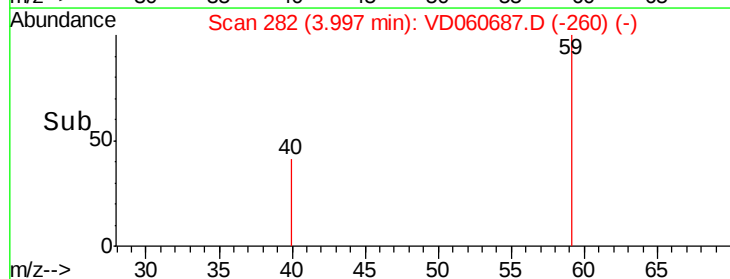
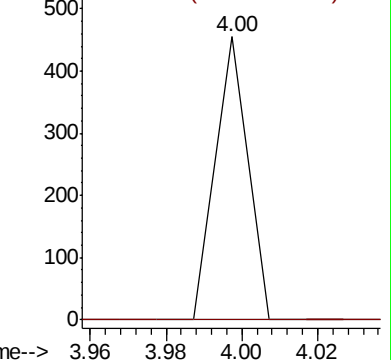
59 100

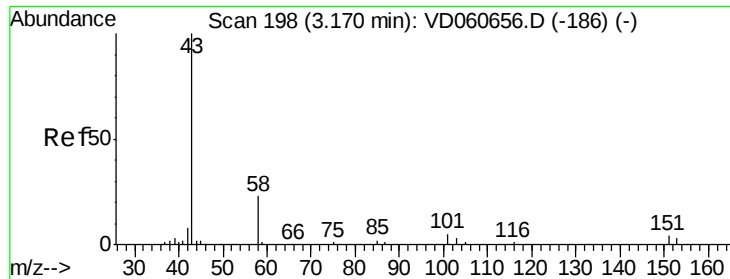
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 22.646 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060687.D

Acq: 21 Dec 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

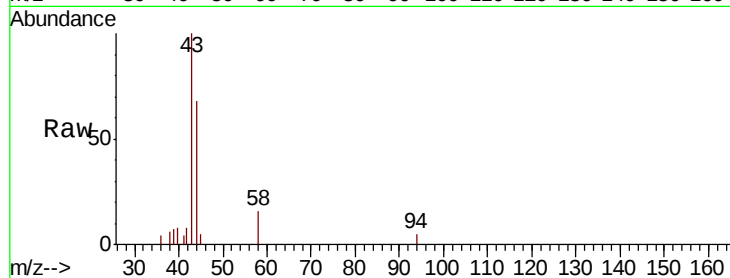
DPC-91468-OS-01

Tot Ion: 43 Resp: 25221

Ion Ratio Lower Upper

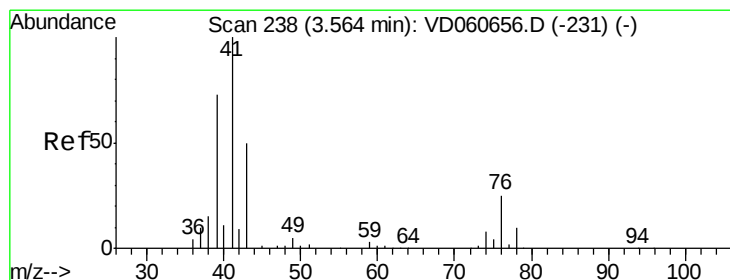
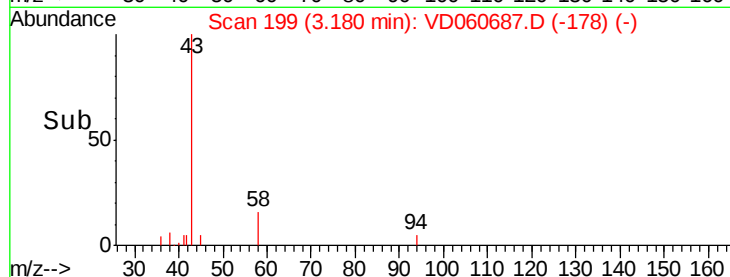
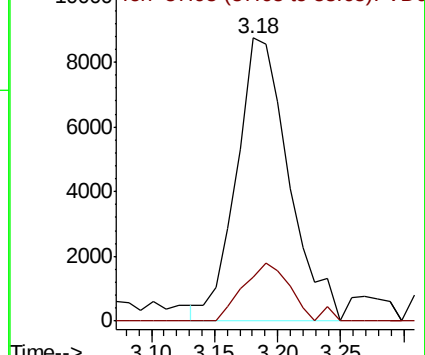
43 100

58 15.7 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: 5.993 ug/l

RT: 3.58 min Scan# 240

Delta R.T. 0.02 min

Lab File: VD060687.D

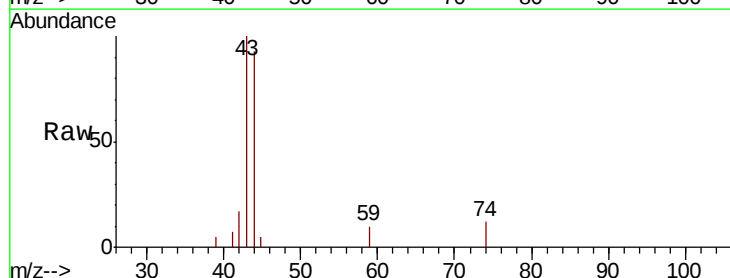
Acq: 21 Dec 2018 16:46

Tgt Ion: 43 Resp: 16541

Ion Ratio Lower Upper

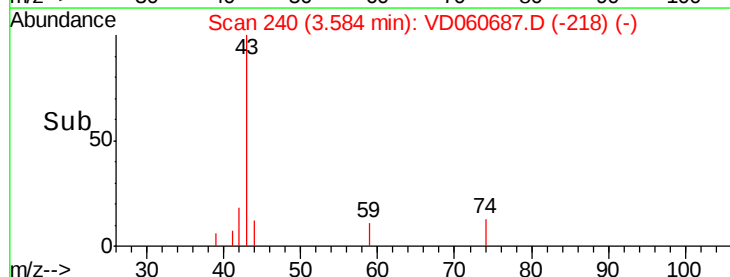
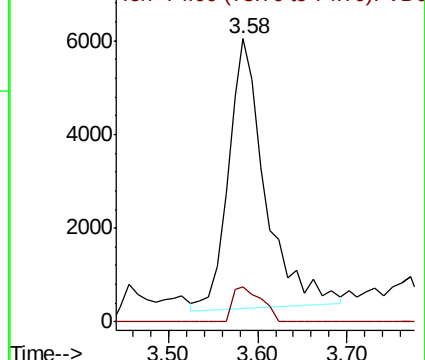
43 100

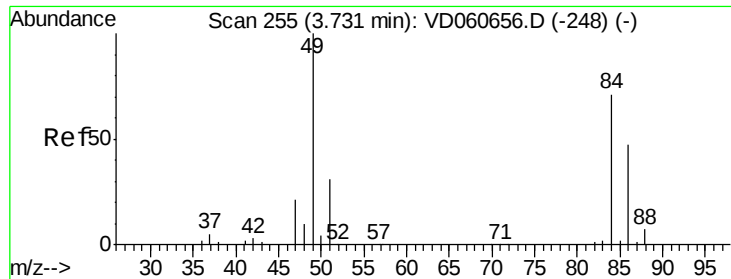
74 12.3 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

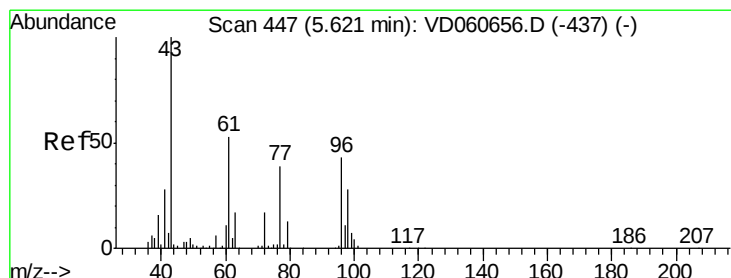
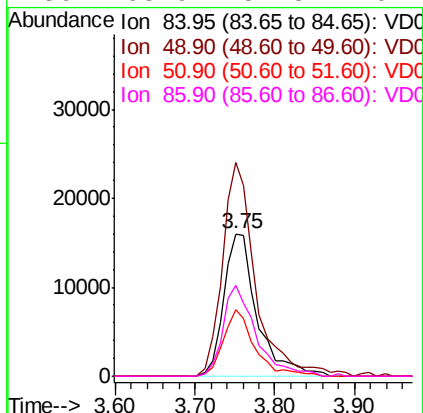
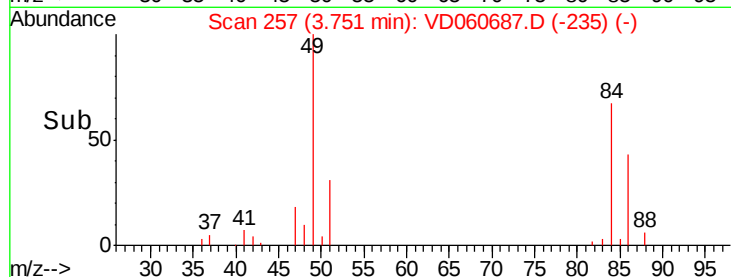
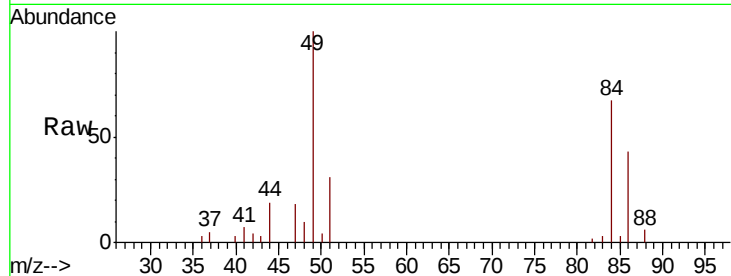




#20
Methvlene Chloride
Concen: 4.042 ug/l
RT: 3.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

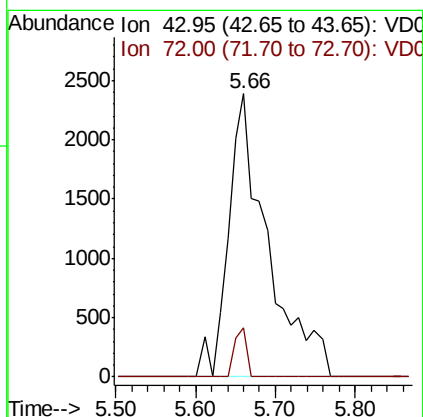
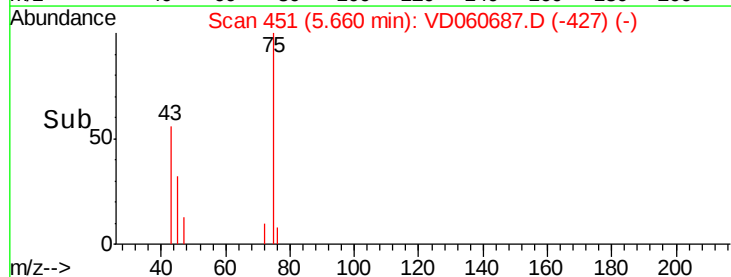
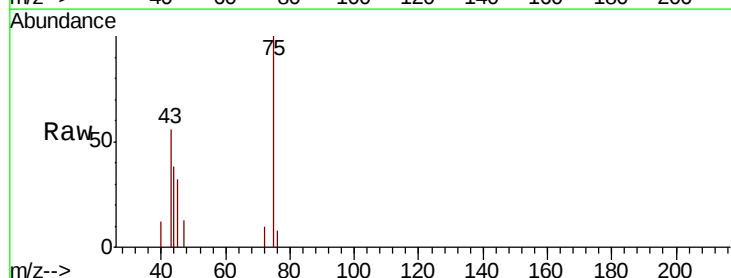
Instrument :
MSVOA_D
ClientSampleId :
DPC-91468-OS-01

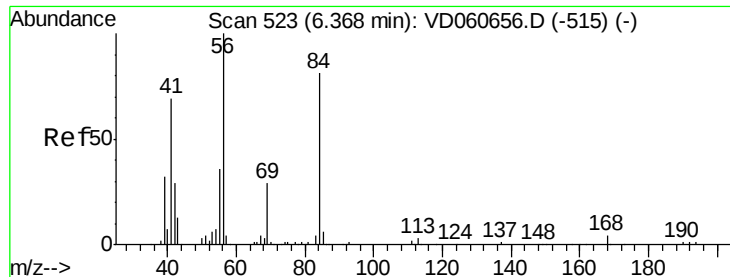
Tot Ion: 84 Resp: 46748
Ion Ratio Lower Upper
84 100
49 149.8 113.6 170.4
51 46.6 34.7 52.1
86 63.9 52.8 79.2



#25
2-Butanone
Concen: 3.832 ug/l
RT: 5.66 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

Tgt Ion: 43 Resp: 8167
Ion Ratio Lower Upper
43 100
72 17.5 13.7 20.5

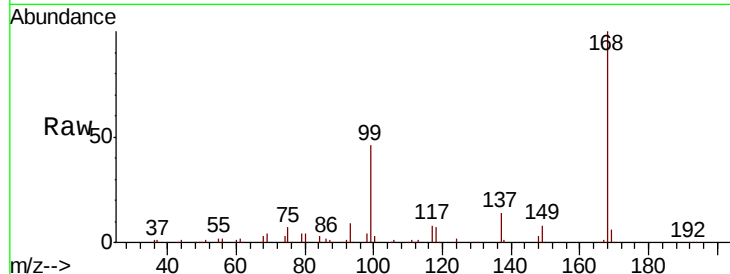




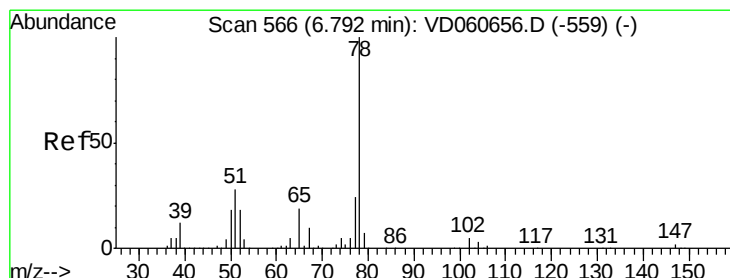
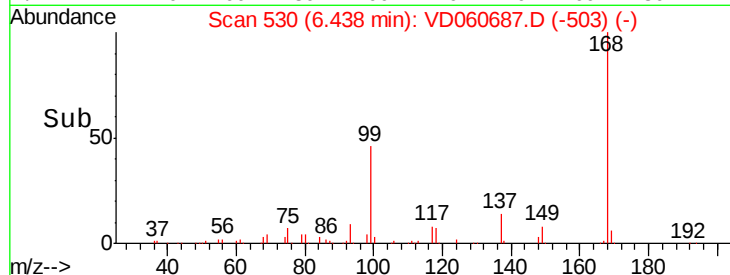
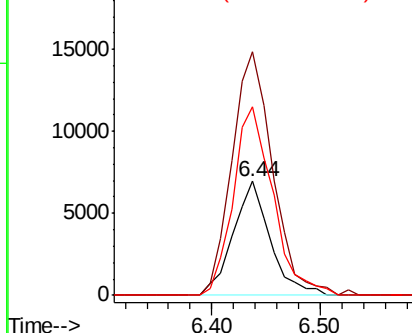
#31
Cyclohexane
Concen: 1.034 ug/l
RT: 6.44 min Scan# 530
Delta R.T. 0.07 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

Instrument :
MSVOA_D
ClientSampleId :
DPC-91468-OS-01

Tot Ion: 56 Resp: 16660
Ion Ratio Lower Upper
56 100
69 213.5 23.6 35.4#
84 165.3 65.8 98.6#

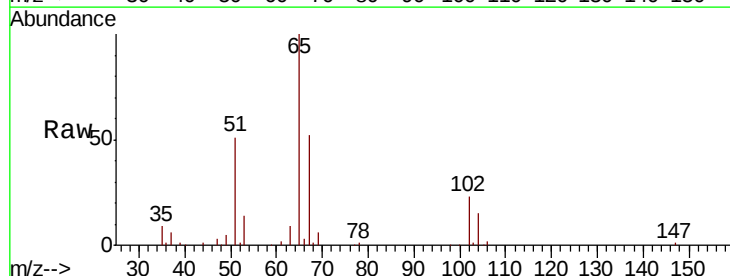


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

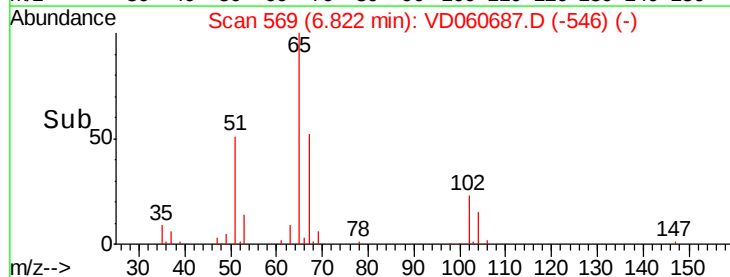
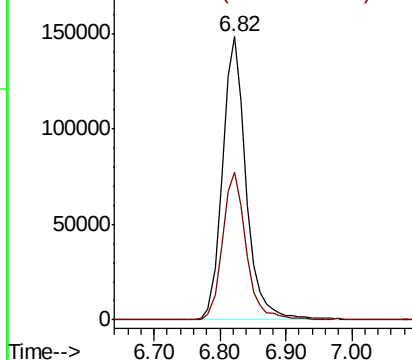


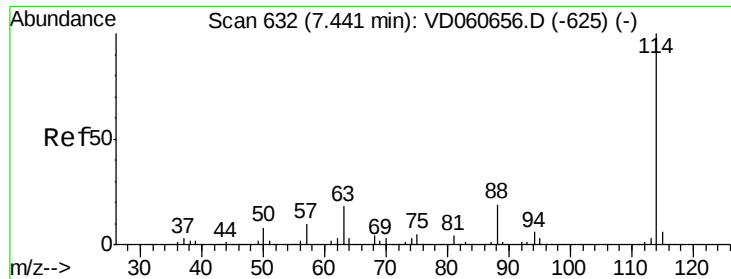
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.82 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

Tgt Ion: 65 Resp: 371125
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

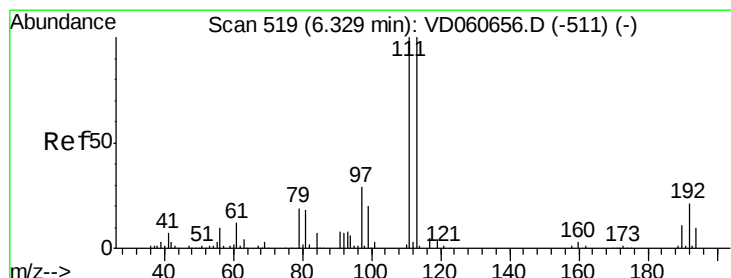
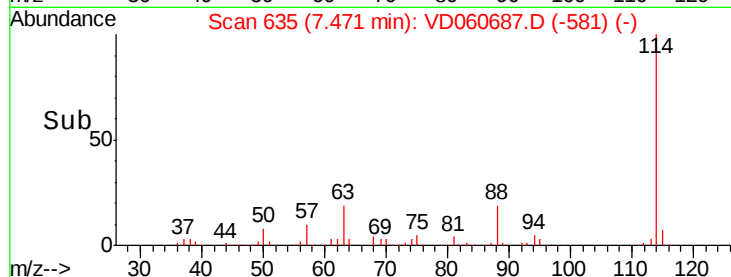
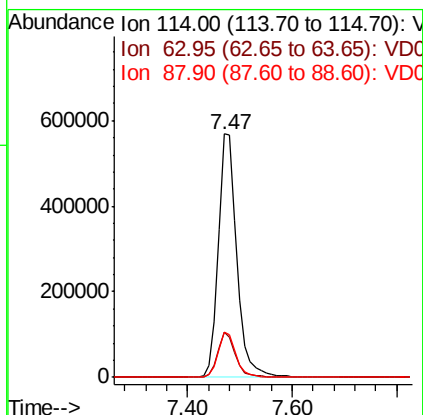
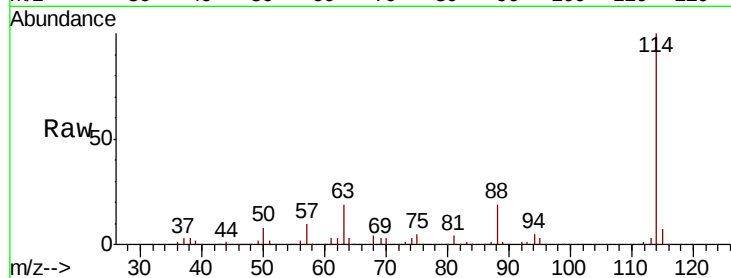




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 635
 Delta R.T. 0.03 min
 Lab File: VD060687.D
 Acq: 21 Dec 2018 16:46

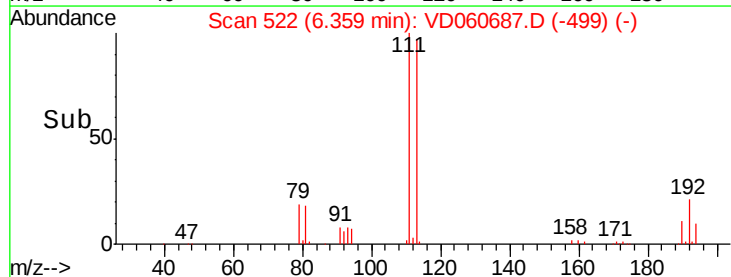
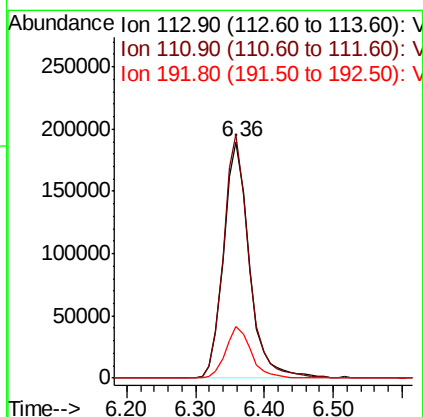
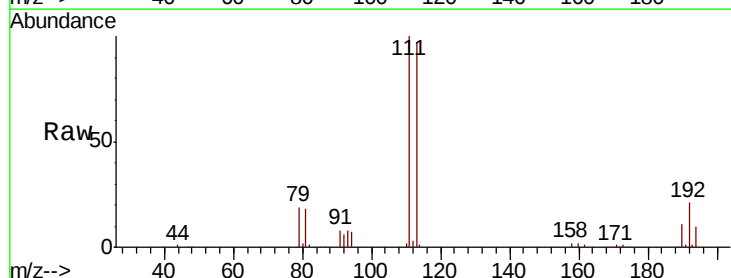
Instrument :
 MSVOA_D
 ClientSampleId :
 DPC-91468-OS-01

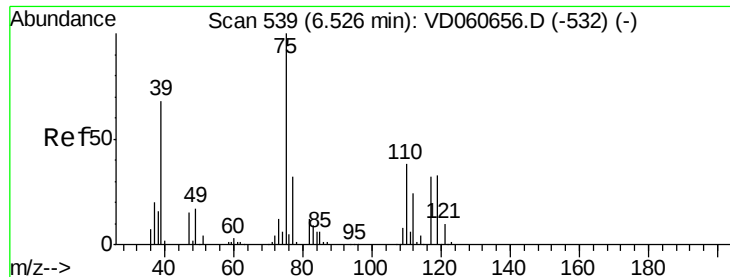
Tot Ion:114 Resp: 1402979
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 18.6 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.36 min Scan# 522
 Delta R.T. 0.03 min
 Lab File: VD060687.D
 Acq: 21 Dec 2018 16:46

Tgt Ion:113 Resp: 492972
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.0 120.0
 192 21.6 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060687.D

Acq: 21 Dec 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

DPC-91468-OS-01

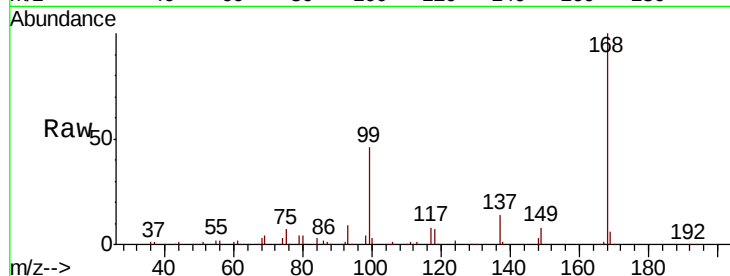
Tot Ion: 75 Resp: 68662

Ion Ratio Lower Upper

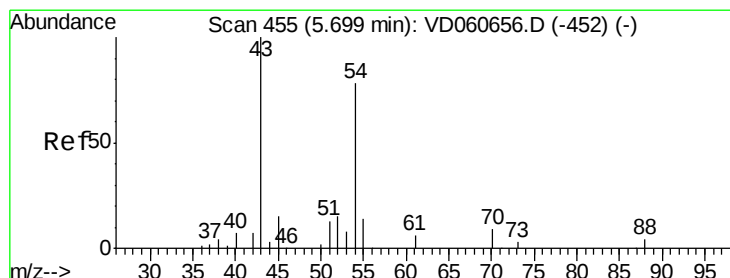
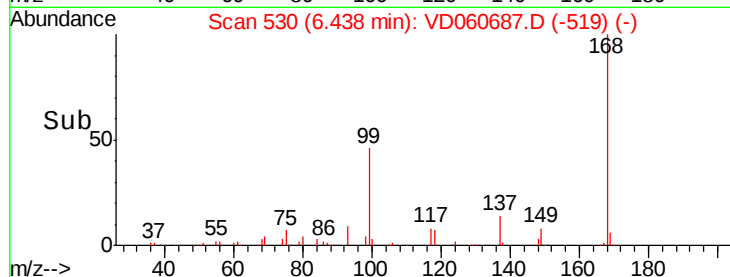
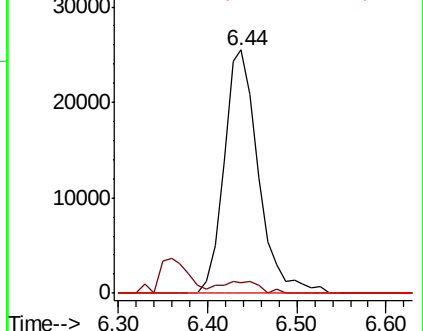
75 100

110 4.3 18.9 56.7#

77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.352 ug/l

RT: 5.66 min Scan# 451

Delta R.T. -0.04 min

Lab File: VD060687.D

Acq: 21 Dec 2018 16:46

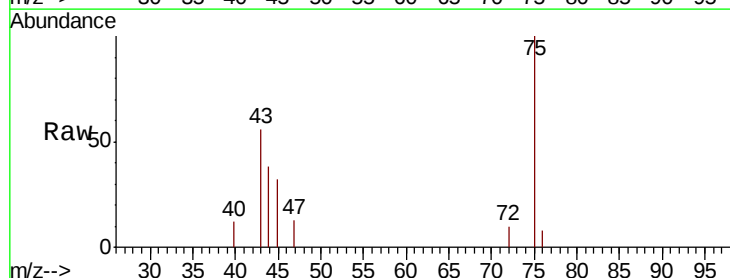
Tgt Ion: 43 Resp: 8167

Ion Ratio Lower Upper

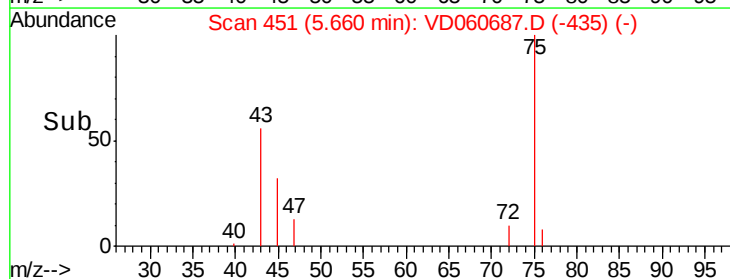
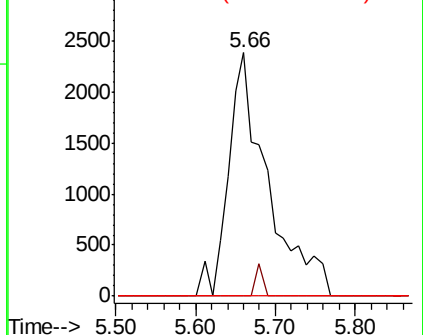
43 100

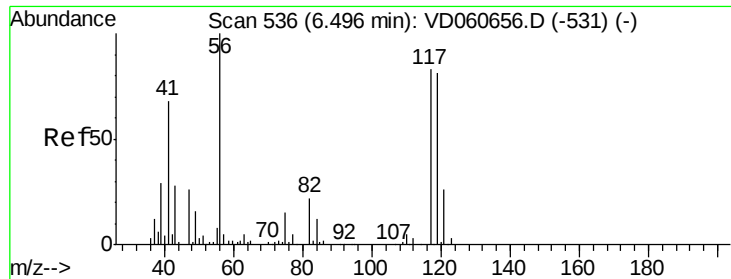
61 0.0 11.8 17.6#

70 0.0 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060687.D

Acq: 21 Dec 2018 16:46

Instrument :

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ClientSampleId :

DPC-91468-OS-01

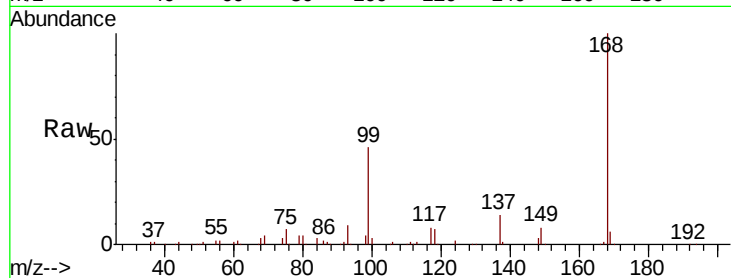
Tot Ion:117 Resp: 68843

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

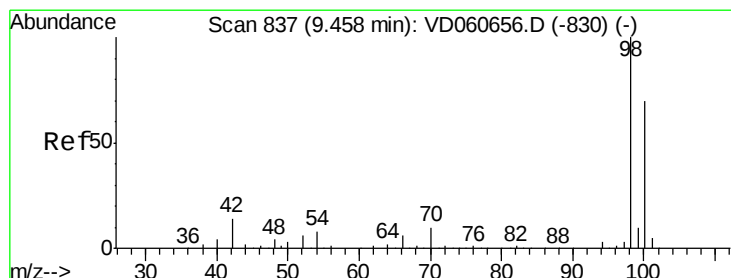
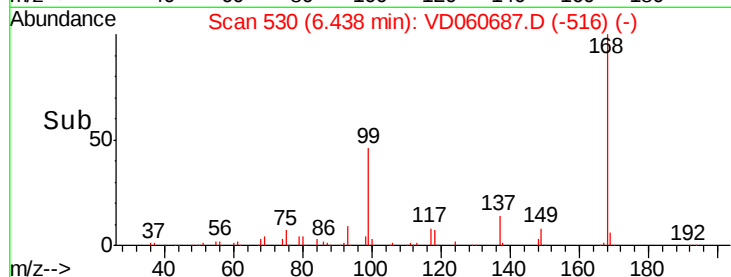
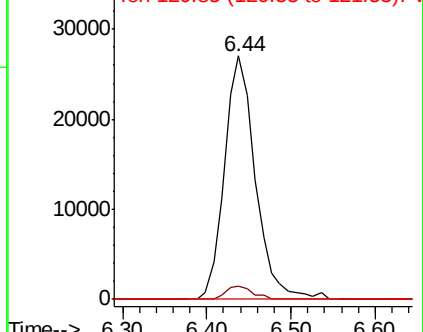
121 0.0 24.7 37.1#



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: VD060687.D

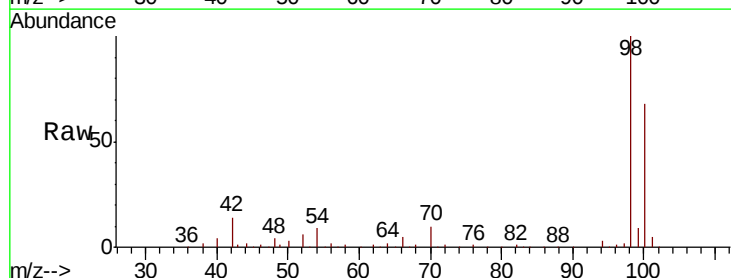
Acq: 21 Dec 2018 16:46

Tgt Ion: 98 Resp: 832037

Ion Ratio Lower Upper

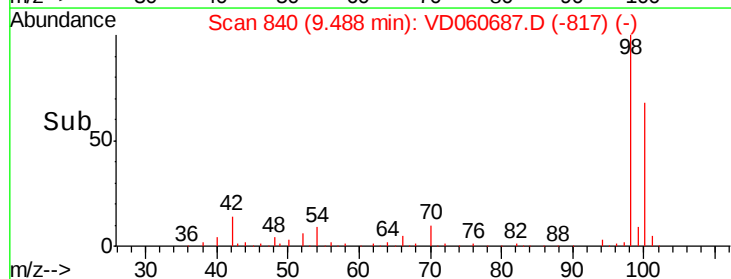
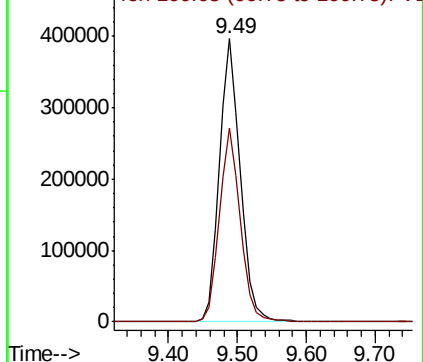
98 100

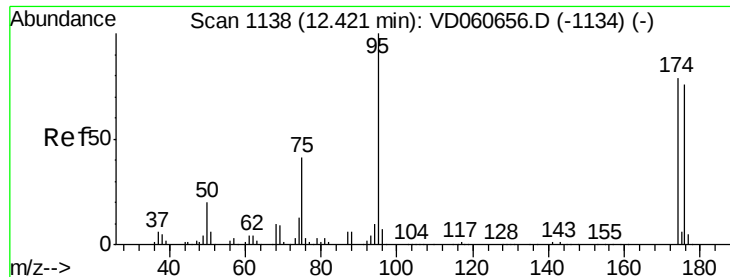
100 68.3 55.8 83.8



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: VD060687.D

Acq: 21 Dec 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

DPC-91468-OS-01

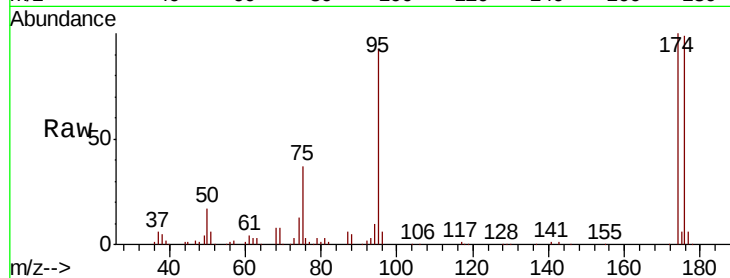
Tot Ion: 95 Resp: 202727

Ion Ratio Lower Upper

95 100

174 107.7 0.0 158.2

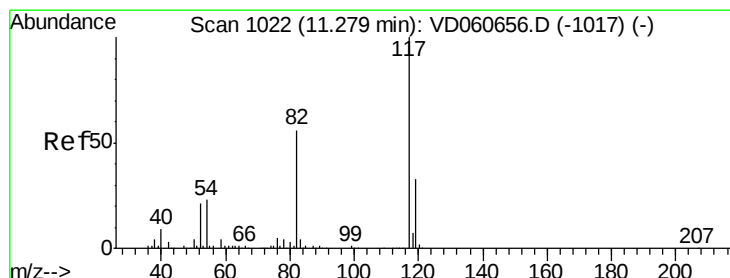
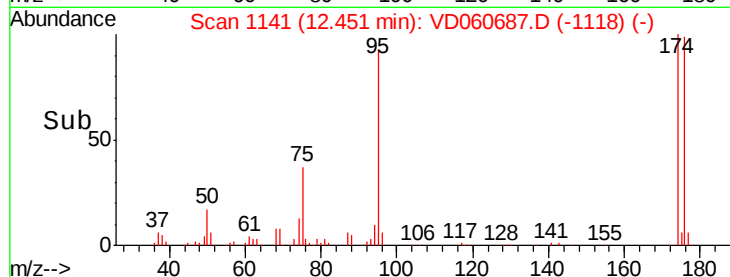
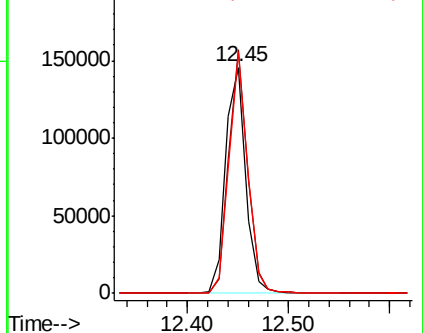
176 106.5 0.0 152.4



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: VD060687.D

Acq: 21 Dec 2018 16:46

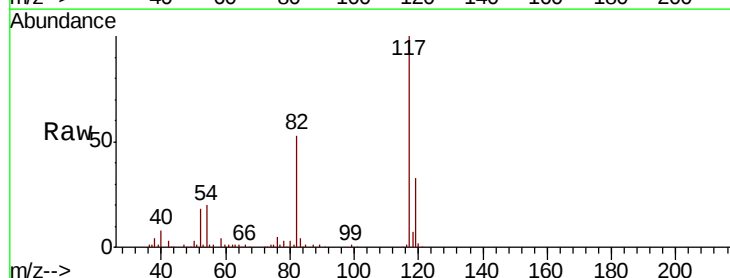
Tgt Ion: 117 Resp: 740360

Ion Ratio Lower Upper

117 100

82 52.7 44.5 66.7

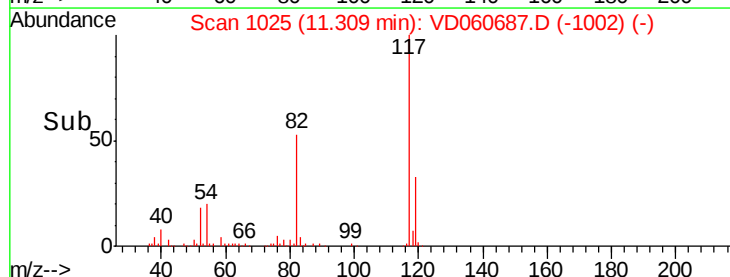
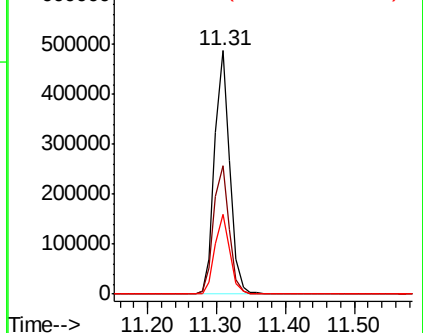
119 32.9 26.3 39.5

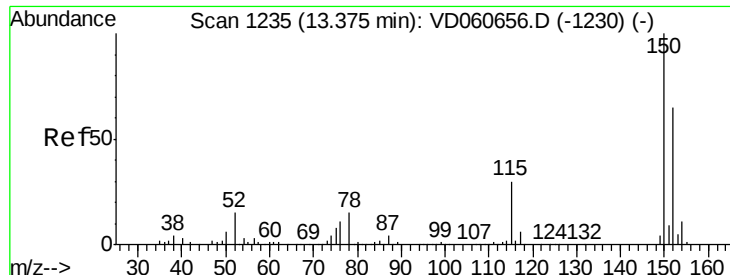


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060687.D

Acq: 21 Dec 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

DPC-91468-OS-01

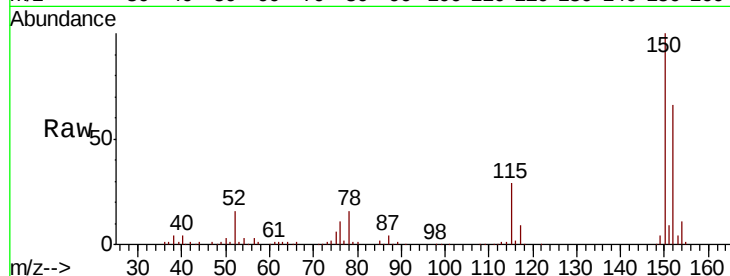
Tot Ion:152 Resp: 203353

Ion Ratio Lower Upper

152 100

115 43.5 24.1 72.3

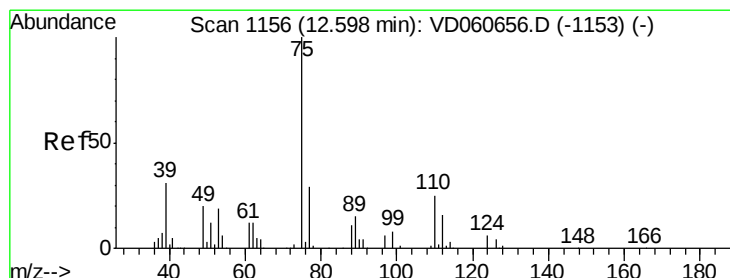
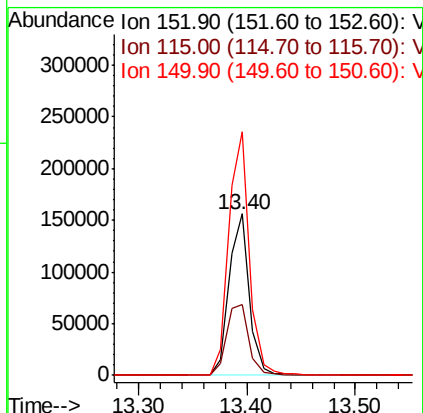
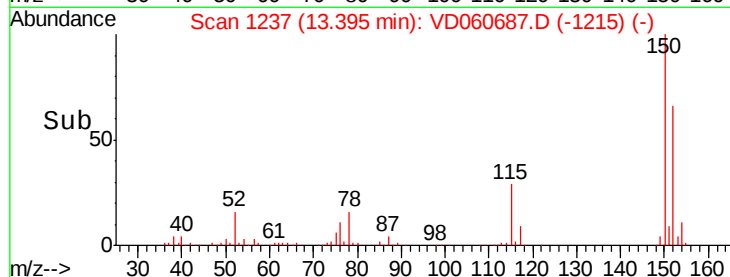
150 150.7 0.0 315.0



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: 36.386 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. -0.15 min

Lab File: VD060687.D

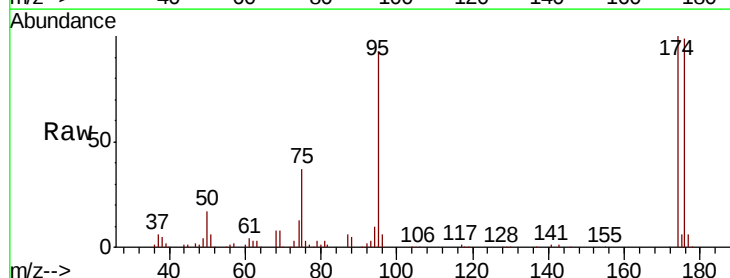
Acq: 21 Dec 2018 16:46

Tgt Ion: 75 Resp: 84239

Ion Ratio Lower Upper

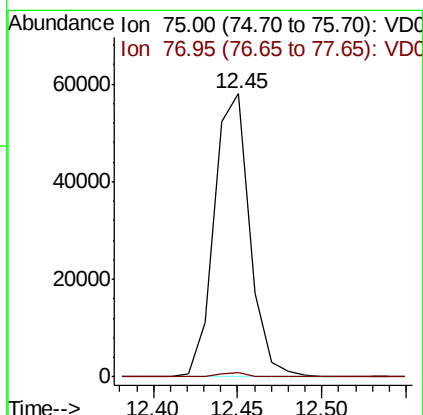
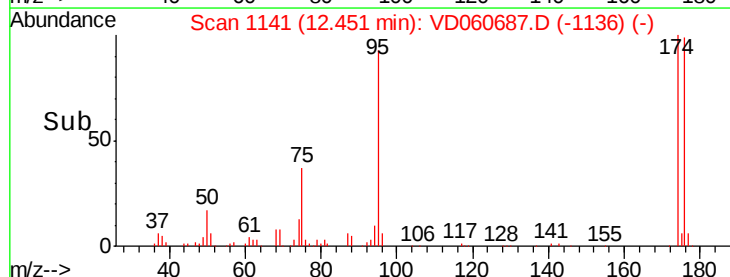
75 100

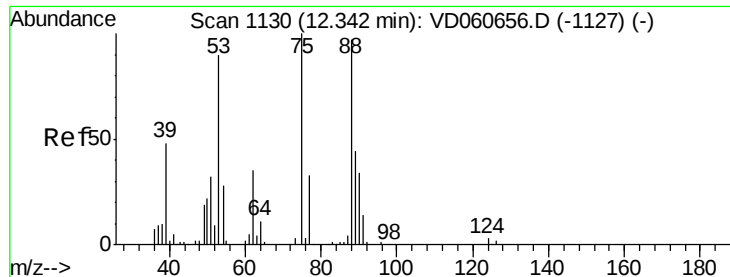
77 1.4 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

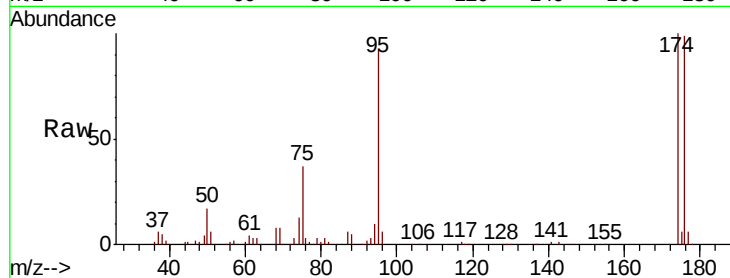




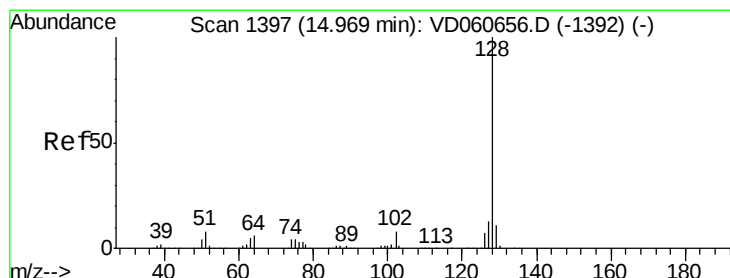
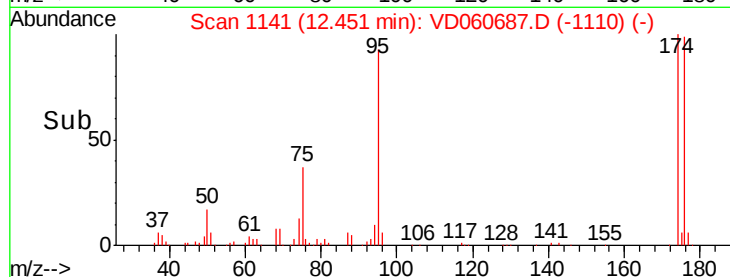
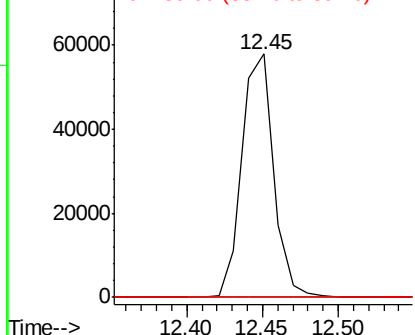
#81
trans-1,4-Dichloro-2-butene
Concen: 132.190 ug/l
RT: 12.45 min Scan# 1141
Delta R.T. 0.11 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

Instrument :
MSVOA_D
ClientSampleId :
DPC-91468-OS-01

Tot Ion: 75 Resp: 84566
Ion Ratio Lower Upper
75 100
53 0.0 72.1 108.1#
89 0.0 35.1 52.7#

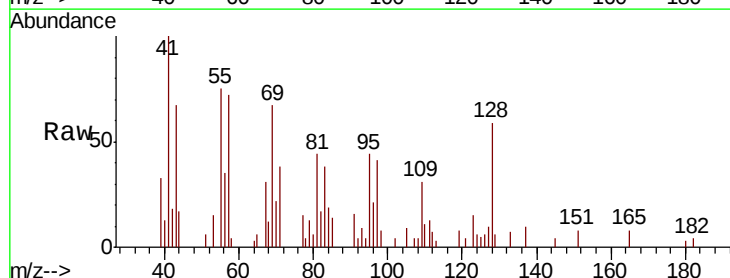


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 1.307 ug/l
RT: 14.99 min Scan# 1399
Delta R.T. 0.02 min
Lab File: VD060687.D
Acq: 21 Dec 2018 16:46

Tgt Ion:128 Resp: 6956
Ion Ratio Lower Upper
128 100
127 17.1 10.1 15.1#
129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

