

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060219.D
 Acq On : 26 Oct 2018 16:36
 Operator : JC/SY
 Sample : J5658-08RE
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-006RE

Quant Time: Oct 26 23:43:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	137315	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	213292	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	171561	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	72251	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	99755	95.84	ug/l	0.03
Spiked Amount			Recovery	=	191.68%	
35) Dibromofluoromethane	6.32	113	88324	54.53	ug/l	0.03
Spiked Amount			Recovery	=	109.06%	
50) Toluene-d8	9.45	98	201720	43.68	ug/l	0.02
Spiked Amount			Recovery	=	87.36%	
62) 4-Bromofluorobenzene	12.42	95	74293	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

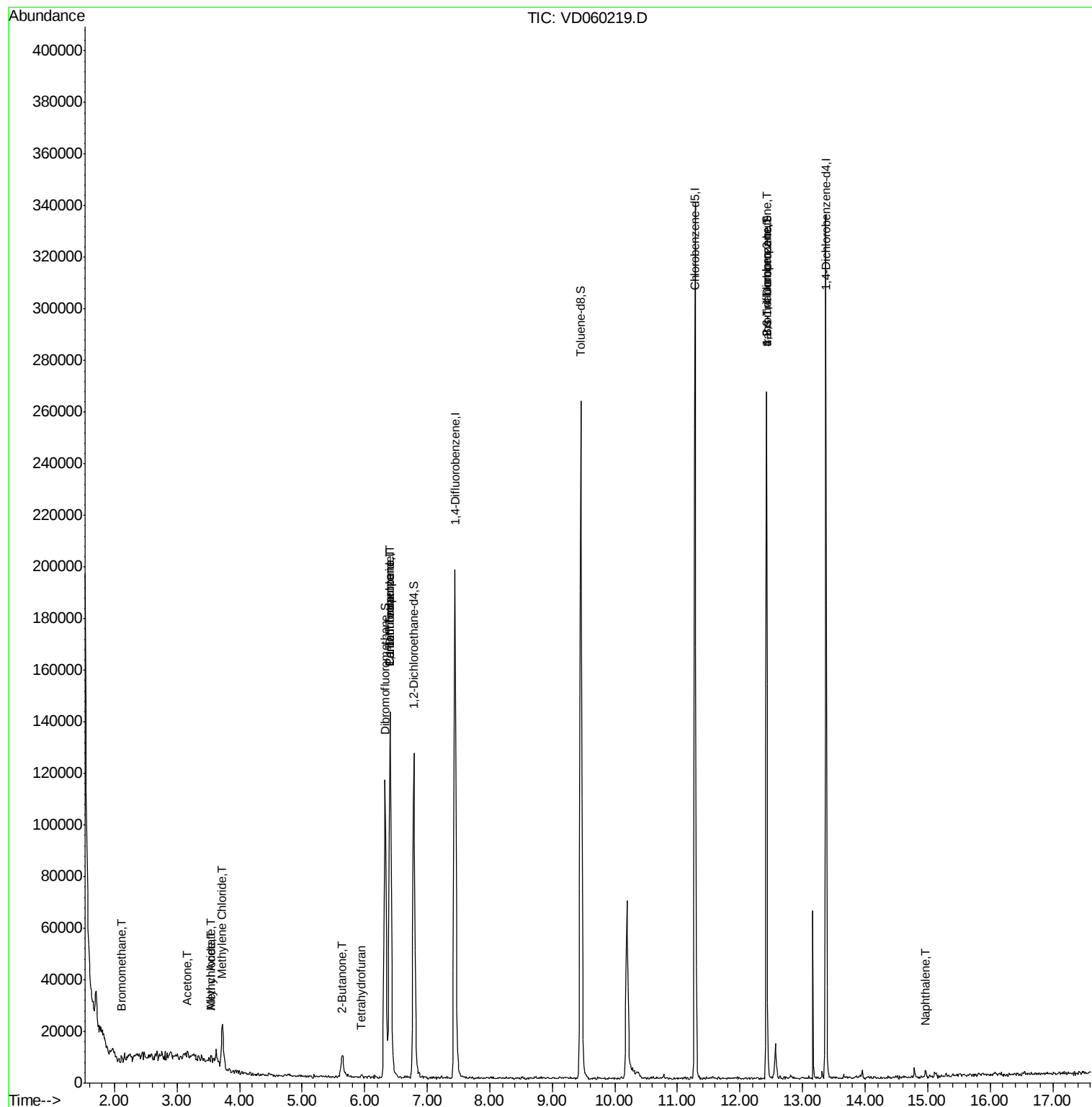
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	188	1.571	ug/l #	1
14) Allyl chloride	3.56	41	1372	1.179	ug/l #	78
16) Acetone	3.15	43	4846	25.658	ug/l #	54
18) Methyl Acetate	3.54	43	1758	4.331	ug/l #	63
20) Methylene Chloride	3.73	84	9163	2.038	ug/l #	75
25) 2-Butanone	5.62	43	935	1.982	ug/l #	59
29) Tetrahydrofuran	5.94	42	979	3.572	ug/l #	41
36) 1,1-Dichloropropene	6.41	75	9376	4.600	ug/l #	40
38) Carbon Tetrachloride	6.40	117	10439	5.643	ug/l #	11
76) 1,2,3-Trichloropropane	12.42	75	30071	28.900	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	30965	105.911	ug/l #	13
95) Naphthalene	14.96	128	2694	1.055	ug/l #	84

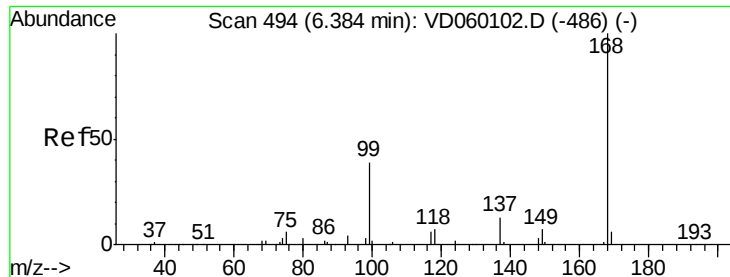
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
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JC-TS-006RE

Quant Time: Oct 26 23:43:14 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

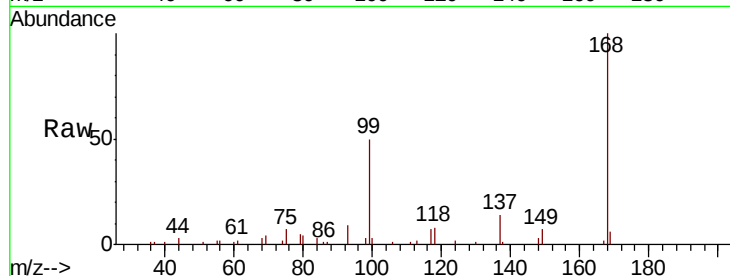
JC-TS-006RE

Tgt Ion:168 Resp: 137315

Ion Ratio Lower Upper

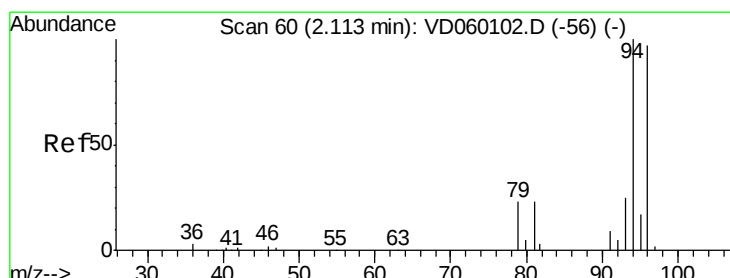
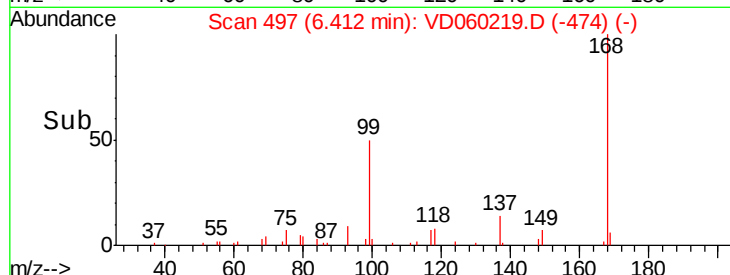
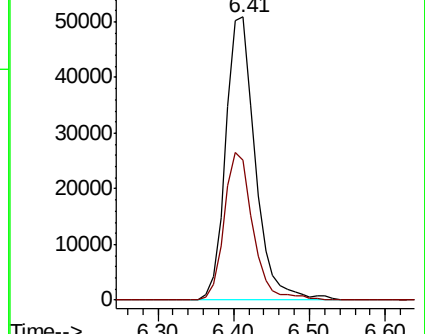
168 100

99 49.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.571 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD060219.D

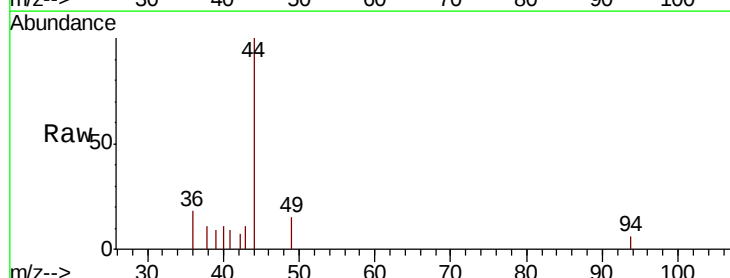
Acq: 26 Oct 2018 16:36

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

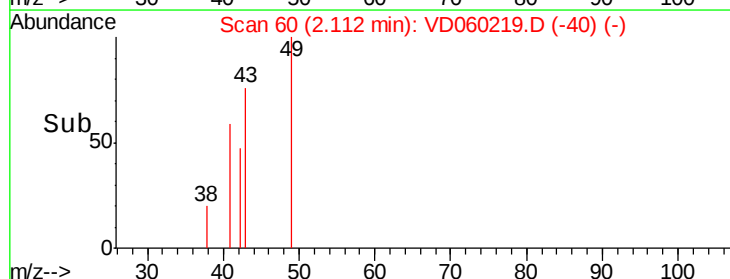
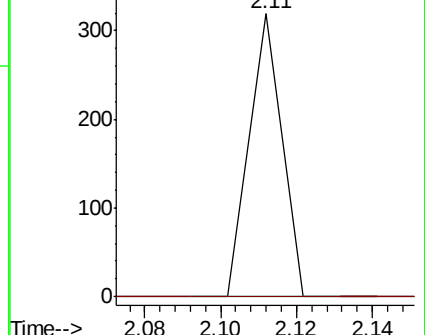
94 100

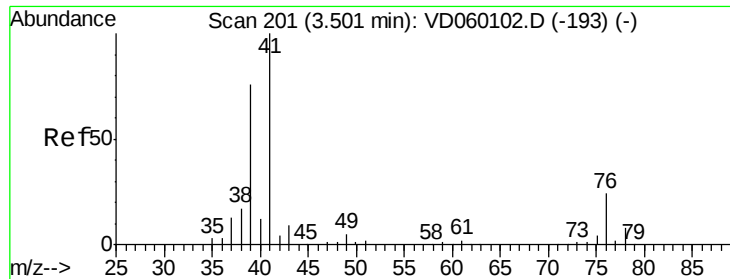
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

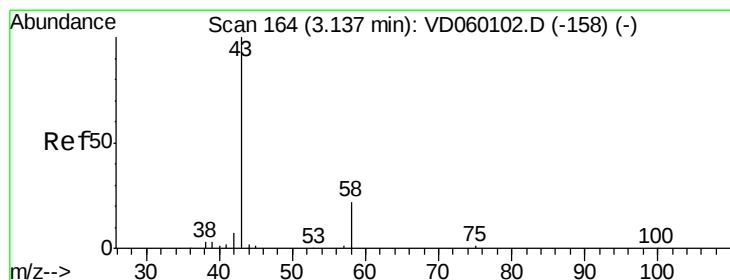
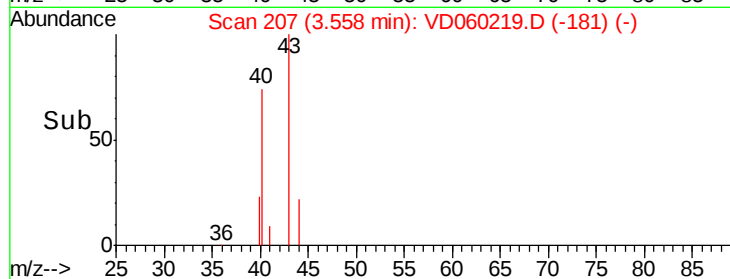
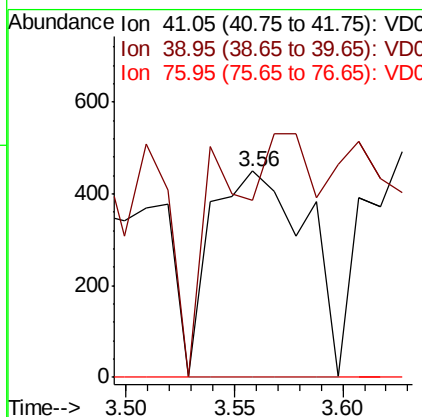
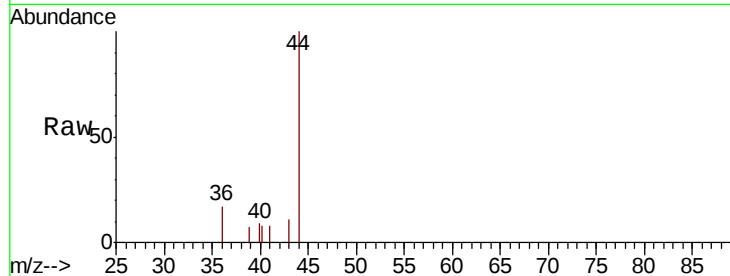




#14
 Allyl chloride
 Concen: 1.179 ug/l
 RT: 3.56 min Scan# 207
 Delta R.T. 0.06 min
 Lab File: VD060219.D
 Acq: 26 Oct 2018 16:36

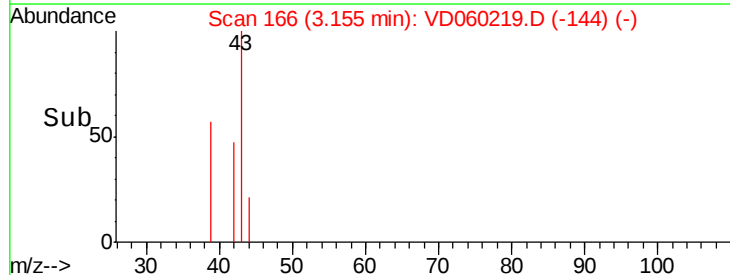
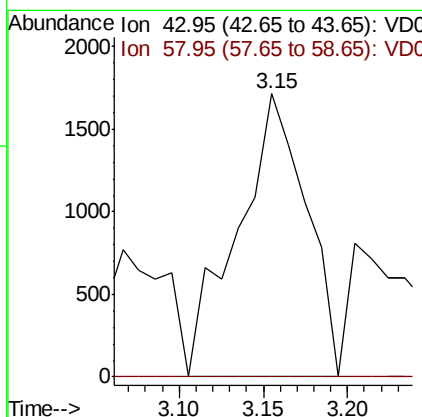
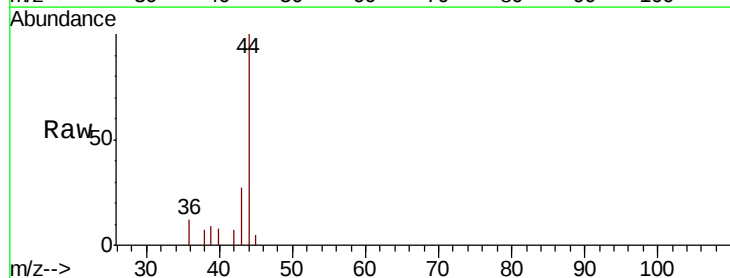
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-006RE

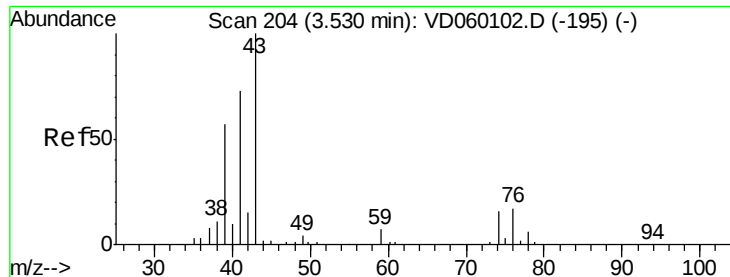
Tgt Ion: 41 Resp: 1372
 Ion Ratio Lower Upper
 41 100
 39 85.6 60.6 90.8
 76 0.0 21.3 31.9#



#16
 Acetone
 Concen: 25.658 ug/l
 RT: 3.15 min Scan# 166
 Delta R.T. 0.02 min
 Lab File: VD060219.D
 Acq: 26 Oct 2018 16:36

Tgt Ion: 43 Resp: 4846
 Ion Ratio Lower Upper
 43 100
 58 0.0 17.7 26.5#





#18

Methyl Acetate

Concen: 4.331 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

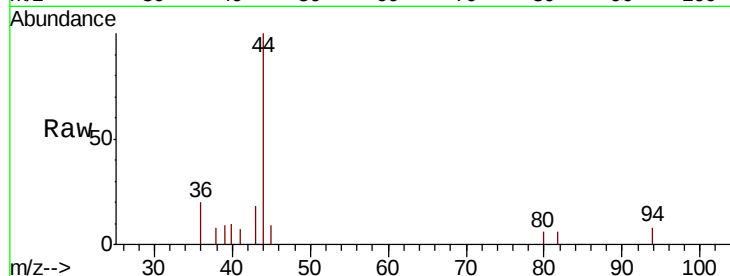
JC-TS-006RE

Tgt Ion: 43 Resp: 1758

Ion Ratio Lower Upper

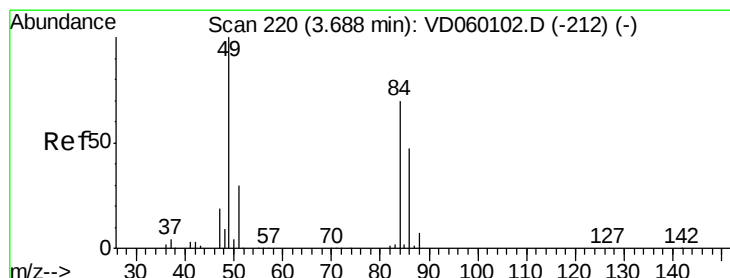
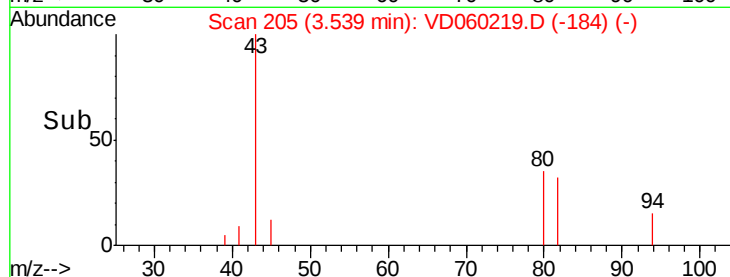
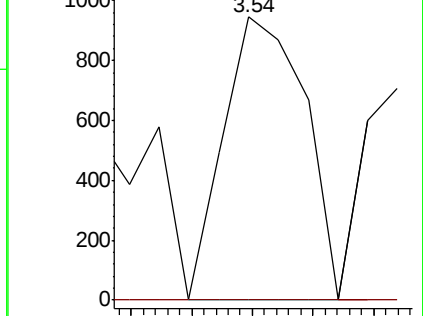
43 100

74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 2.038 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.04 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Tgt Ion: 84 Resp: 9163

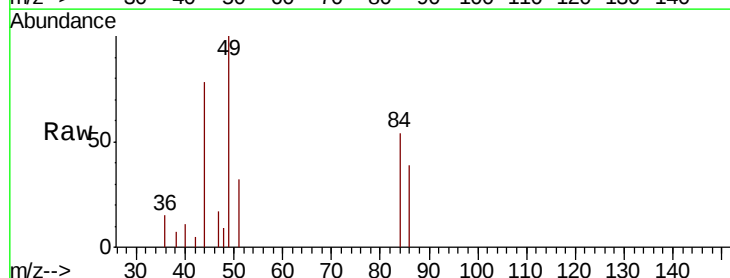
Ion Ratio Lower Upper

84 100

49 184.2 114.6 172.0#

51 59.5 33.8 50.8#

86 71.0 53.3 79.9

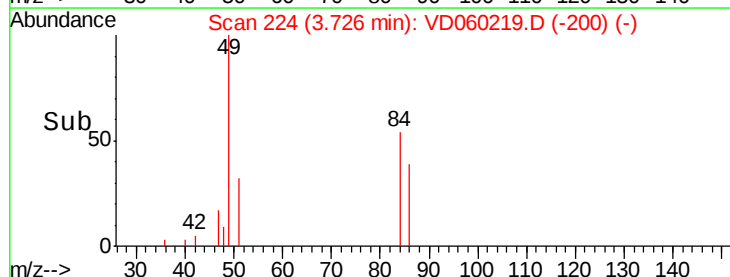
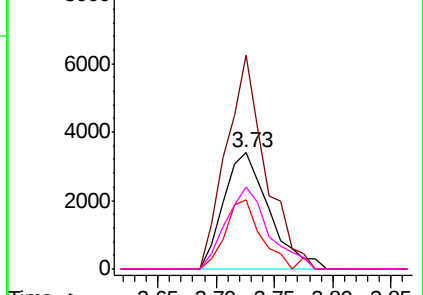


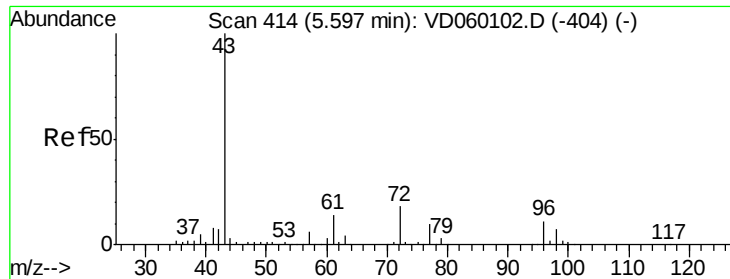
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.982 ug/l

RT: 5.62 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

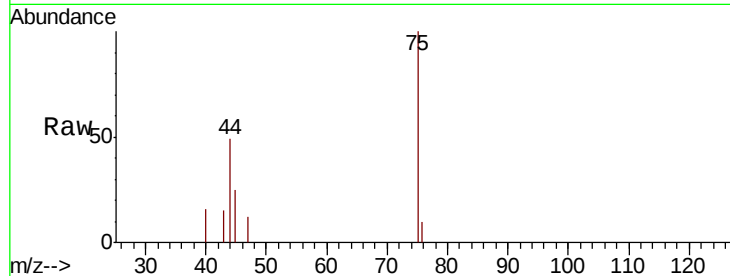
JC-TS-006RE

Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

43 100

72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

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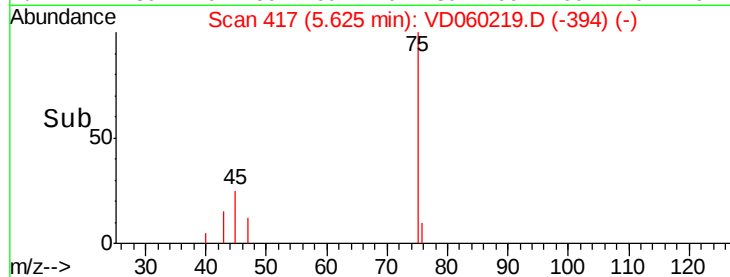
5.62

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#29

Tetrahydrofuran

Concen: 3.572 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

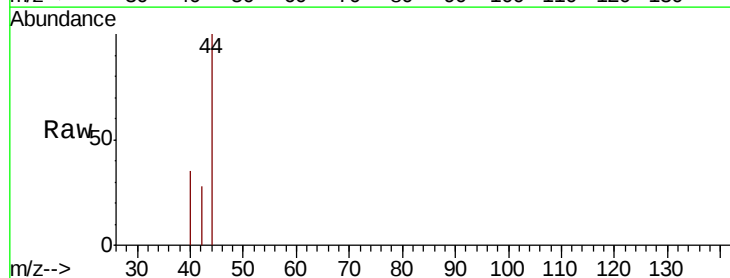
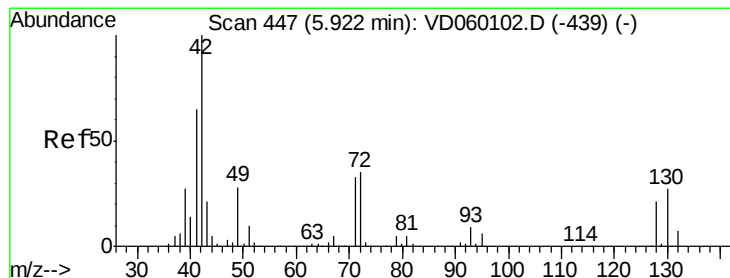
Tgt Ion: 42 Resp: 979

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

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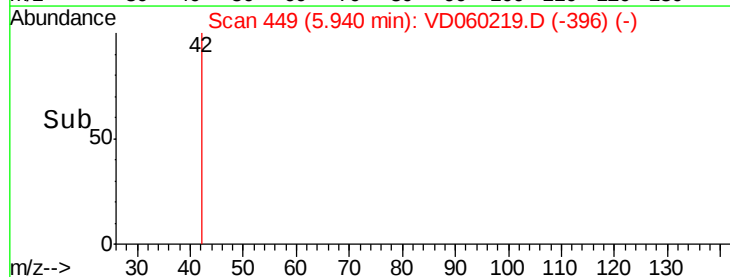
5.94

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5.94



#29

Tetrahydrofuran

Concen: 3.572 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

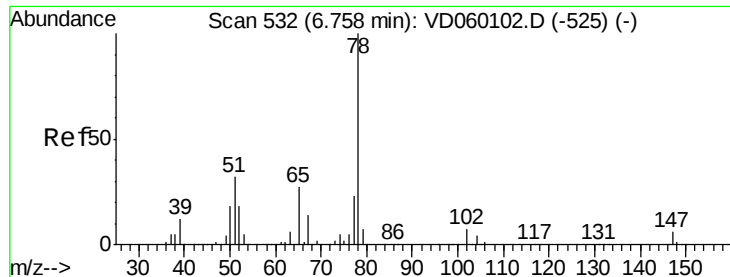
Tgt Ion: 42 Resp: 979

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.7 40.1#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

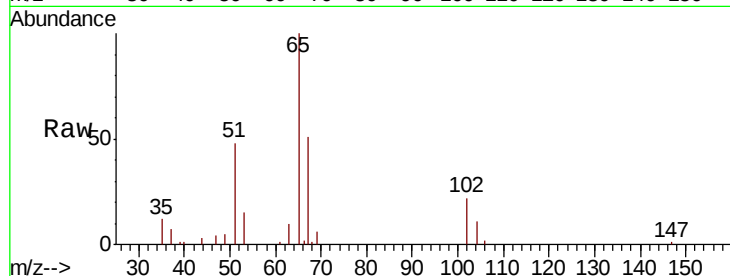
JC-TS-006RE

Tgt Ion: 65 Resp: 99755

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.2

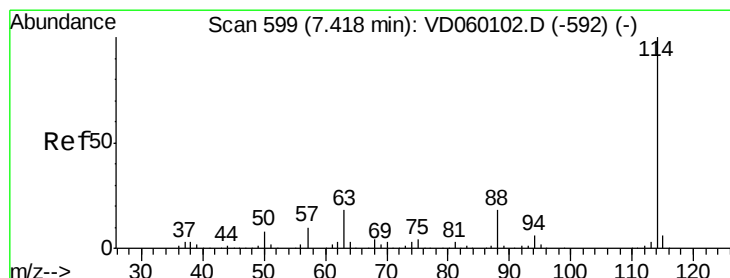
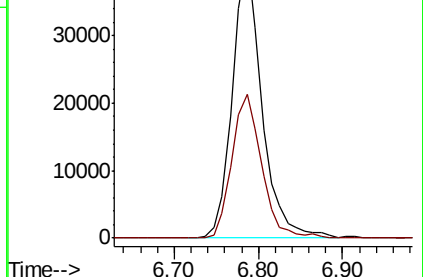
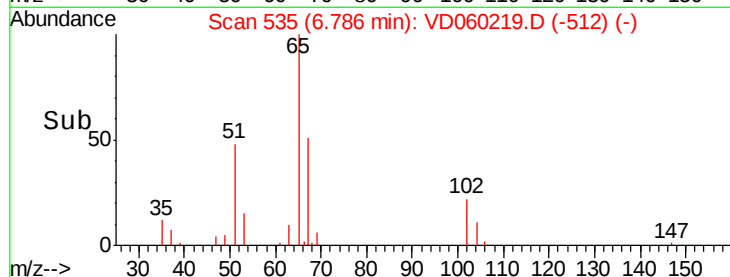


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

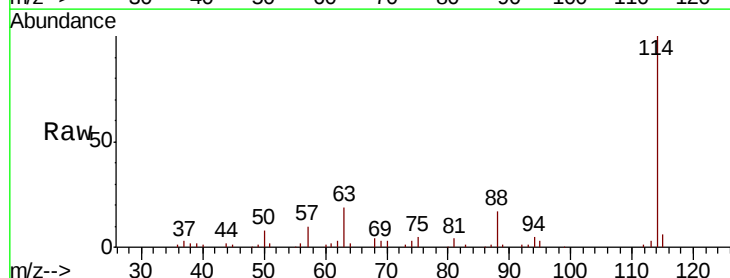
Tgt Ion: 114 Resp: 213292

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.0

88 17.4 0.0 36.2



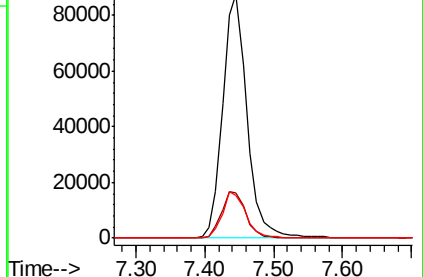
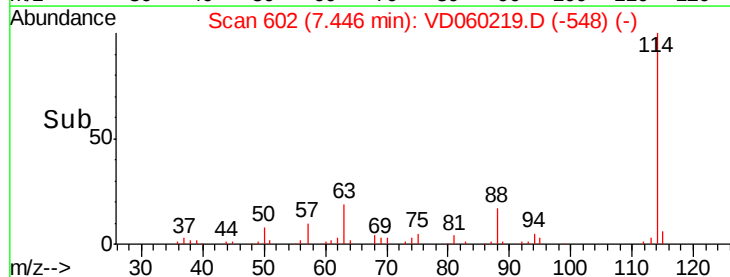
Abundance Ion 114.00 (113.70 to 114.70): V

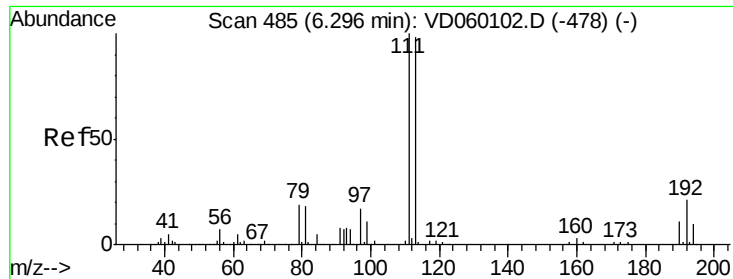
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

Time-->

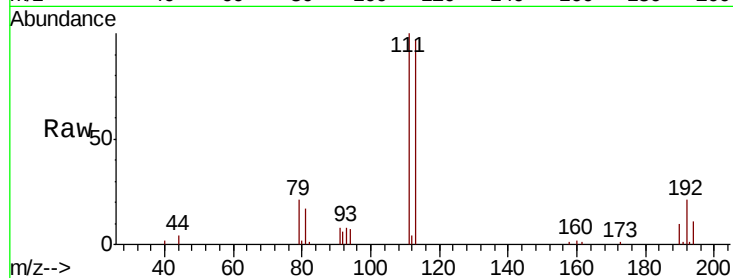




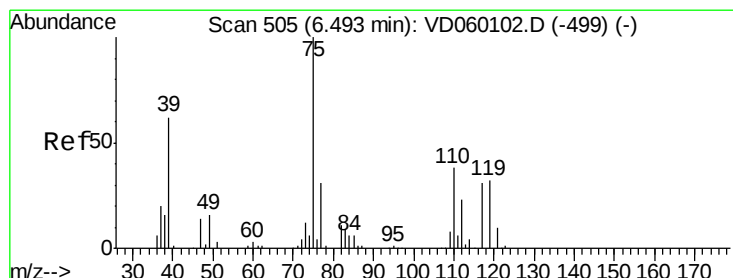
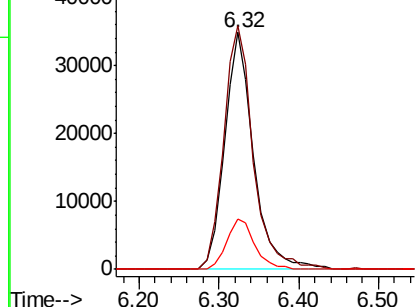
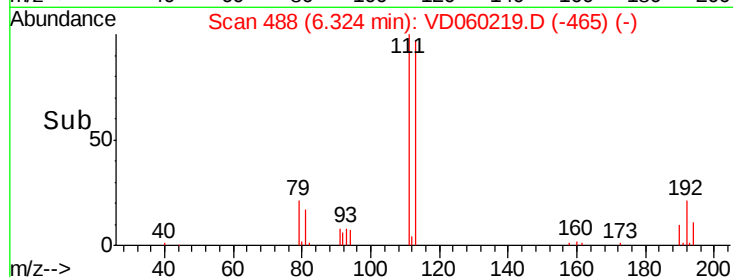
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060219.D
 Acq: 26 Oct 2018 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-006RE

Tgt Ion:113 Resp: 88324
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.5 122.3
 192 21.2 17.4 26.0

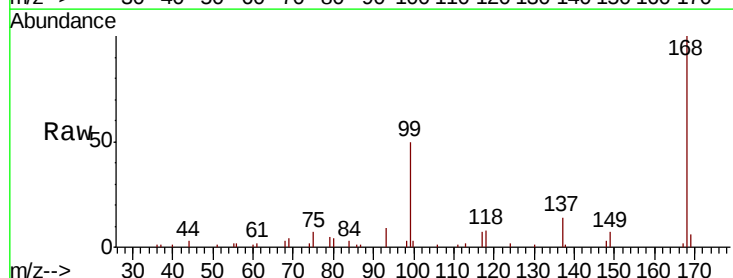


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

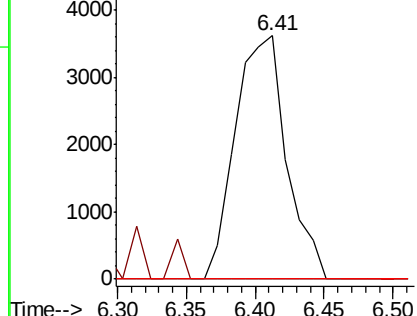
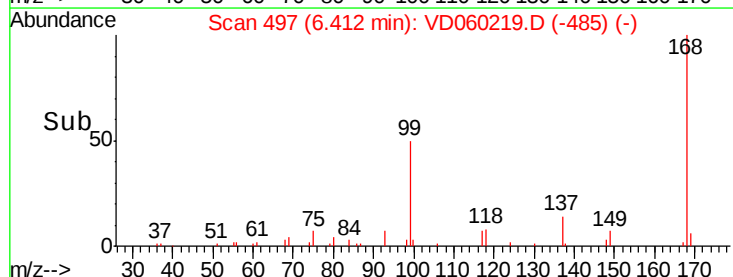


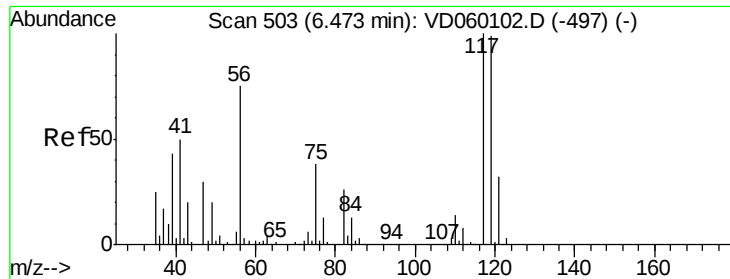
#36
 1,1-Dichloropropene
 Concen: 4.600 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.08 min
 Lab File: VD060219.D
 Acq: 26 Oct 2018 16:36

Tgt Ion: 75 Resp: 9376
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 0.0 24.9 37.3#



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

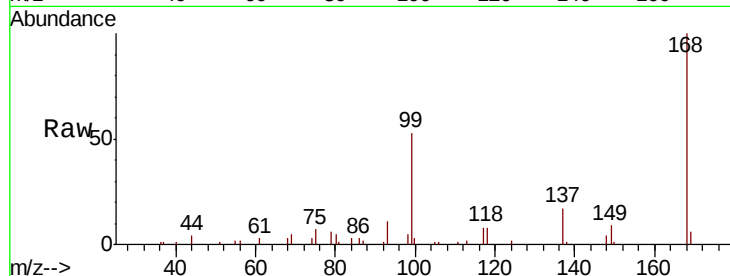




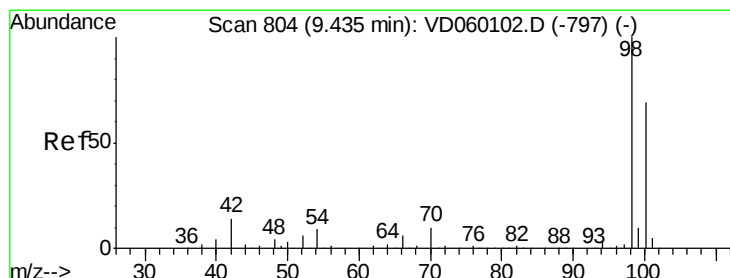
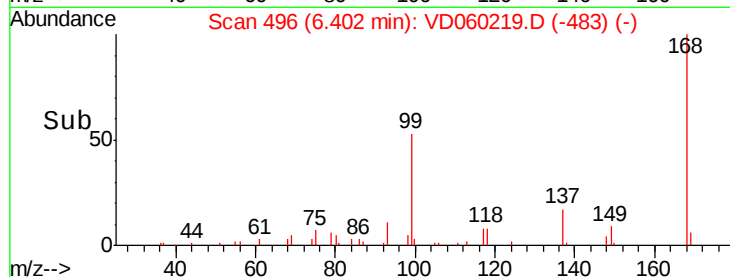
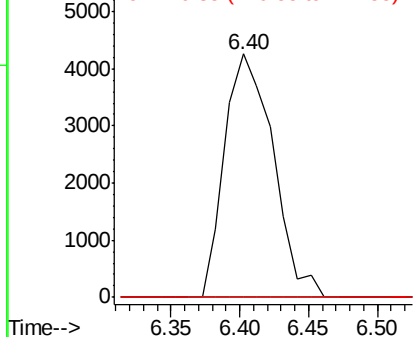
#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.07 min
Lab File: VD060219.D
Acq: 26 Oct 2018 16:36

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-006RE

Tgt Ion:117 Resp: 10439
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 24.8 37.2#

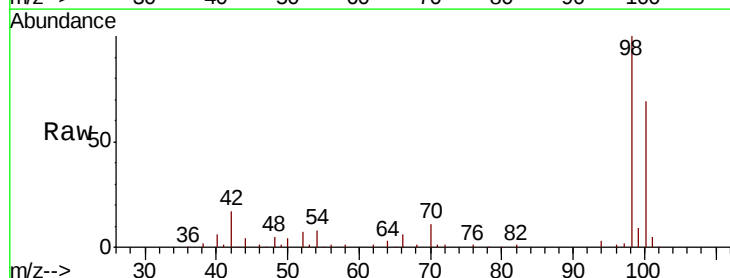


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

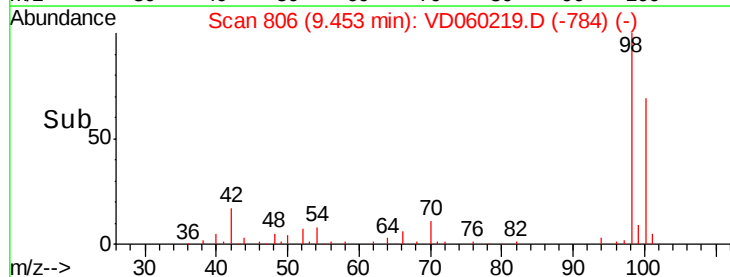
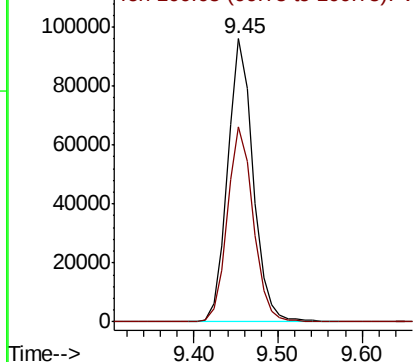


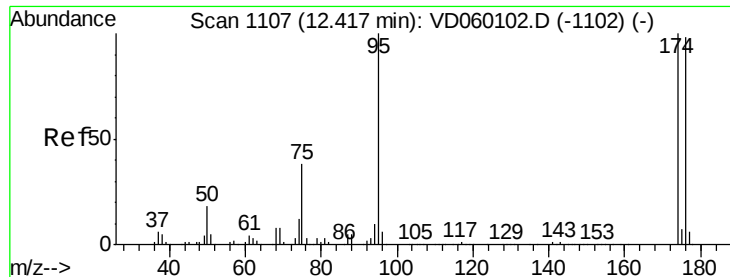
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060219.D
Acq: 26 Oct 2018 16:36

Tgt Ion: 98 Resp: 201720
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0



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

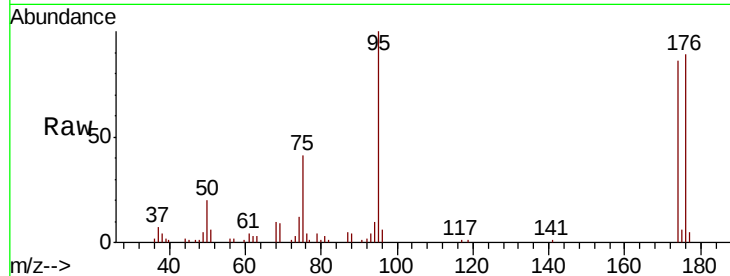




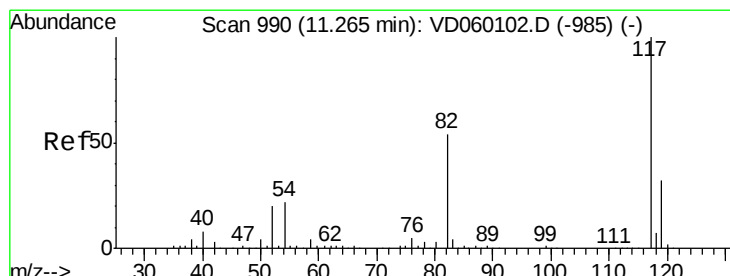
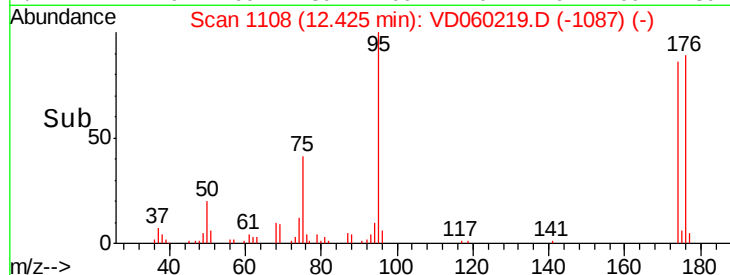
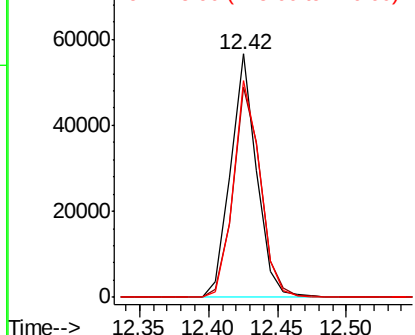
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060219.D
Acq: 26 Oct 2018 16:36

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-006RE

Tgt Ion: 95 Resp: 74293
Ion Ratio Lower Upper
95 100
174 86.2 0.0 200.2
176 88.8 0.0 195.6

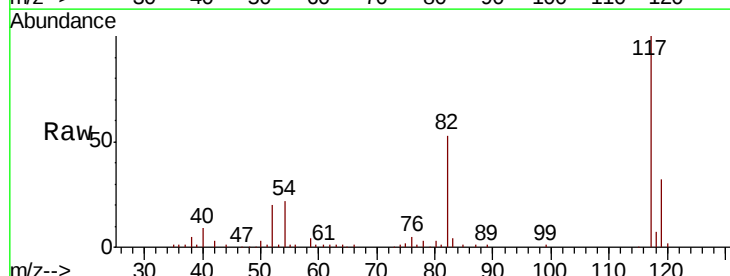


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

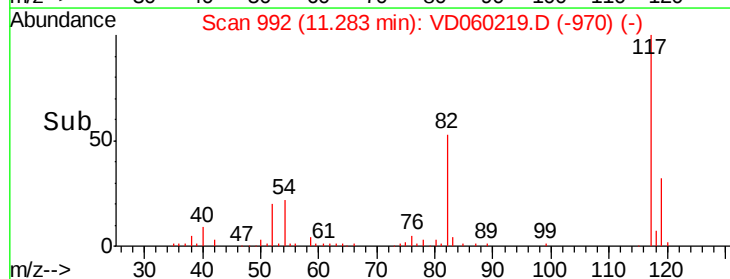
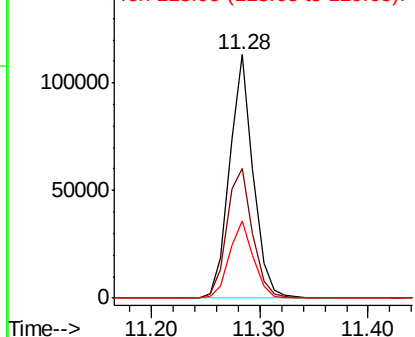


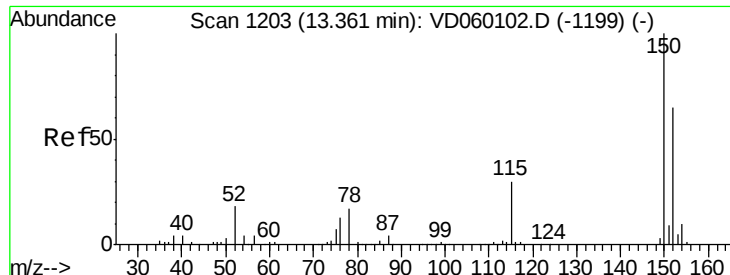
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060219.D
Acq: 26 Oct 2018 16:36

Tgt Ion: 117 Resp: 171561
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.2
119 31.9 26.0 39.0



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# 1204

Delta R.T. 0.01 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-006RE

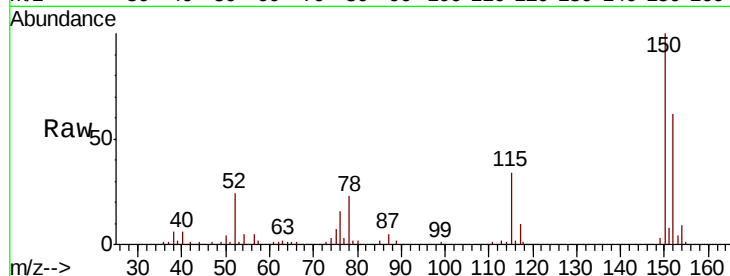
Tgt Ion:152 Resp: 72251

Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.2

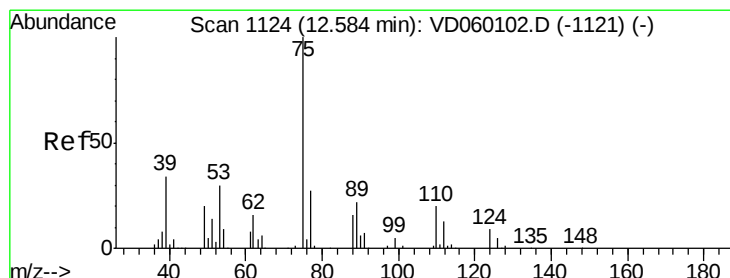
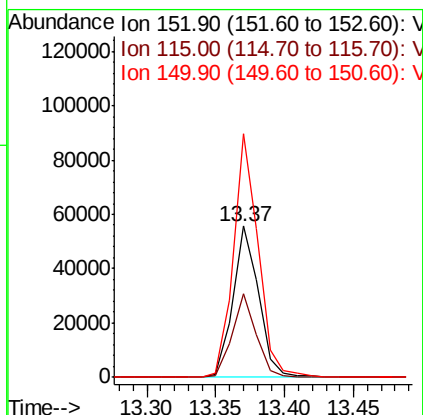
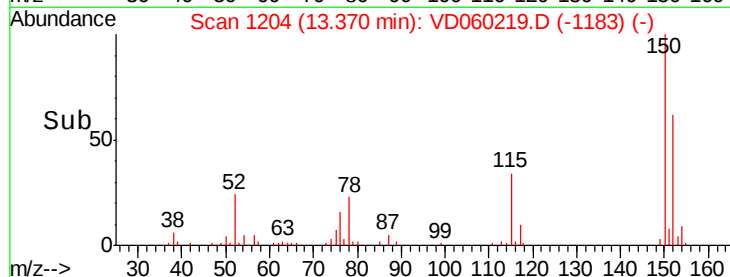
150 161.4 0.0 311.8



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: 28.900 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060219.D

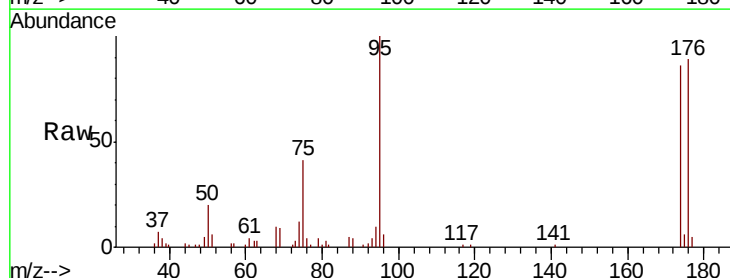
Acq: 26 Oct 2018 16:36

Tgt Ion: 75 Resp: 30071

Ion Ratio Lower Upper

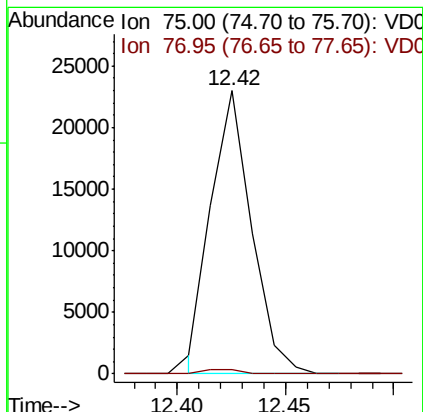
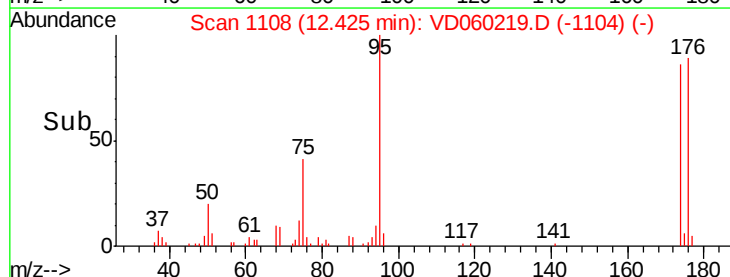
75 100

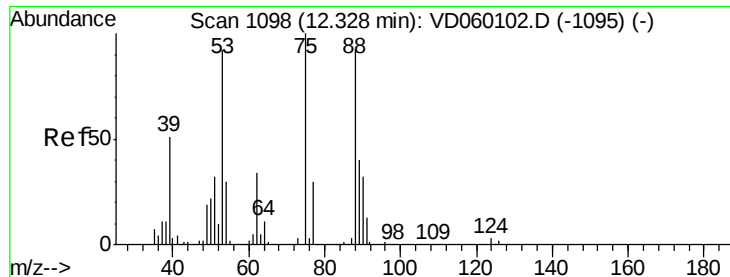
77 1.3 16.3 48.9#



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: 105.911 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-006RE

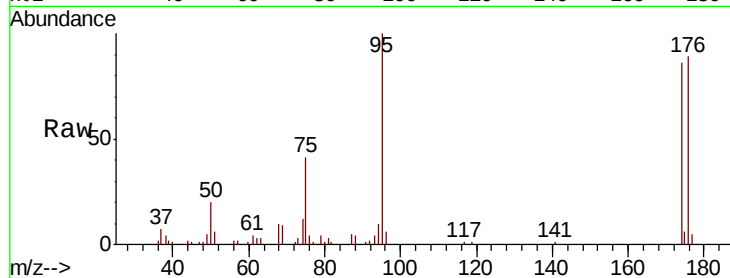
Tgt Ion: 75 Resp: 30965

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

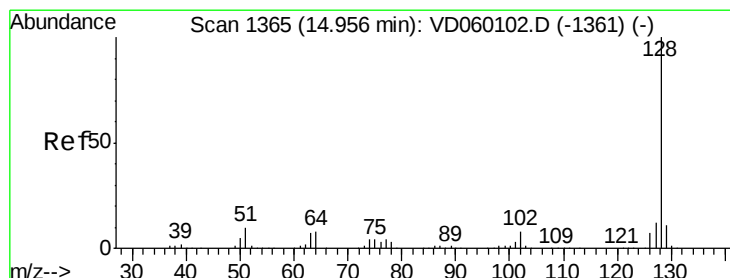
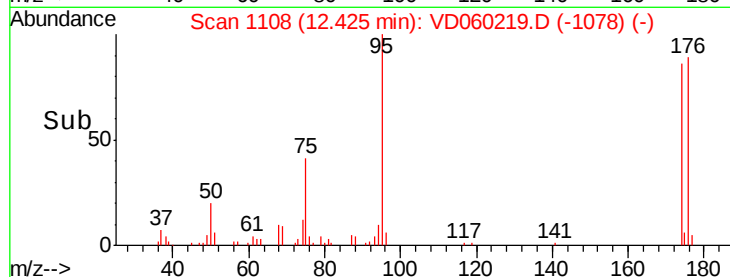
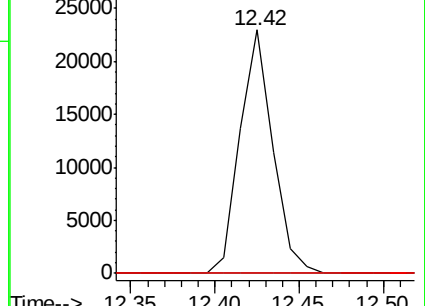
89 0.0 32.0 48.0#



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: 1.055 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060219.D

Acq: 26 Oct 2018 16:36

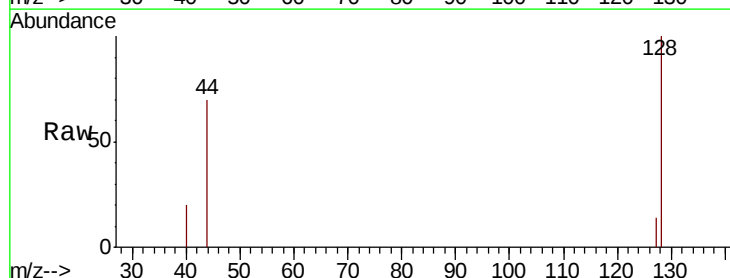
Tgt Ion: 128 Resp: 2694

Ion Ratio Lower Upper

128 100

127 13.8 9.9 14.9

129 0.0 8.8 13.2#



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

