

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060212.D
 Acq On : 25 Oct 2018 23:16
 Operator : JC/SY
 Sample : J5675-05
 Misc : 5.88g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Quant Time: Oct 26 03:45:34 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	6.40	168	27592	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	43463	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	39986	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	18563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	34983	167.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	334.52%	
35) Dibromofluoromethane	6.32	113	31351	94.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	189.98%	
50) Toluene-d8	9.45	98	72932	77.49	ug/l	0.01
Spiked Amount	50.000		Recovery	=	154.98%	
62) 4-Bromofluorobenzene	12.42	95	29124	82.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.30%	

Target Compounds

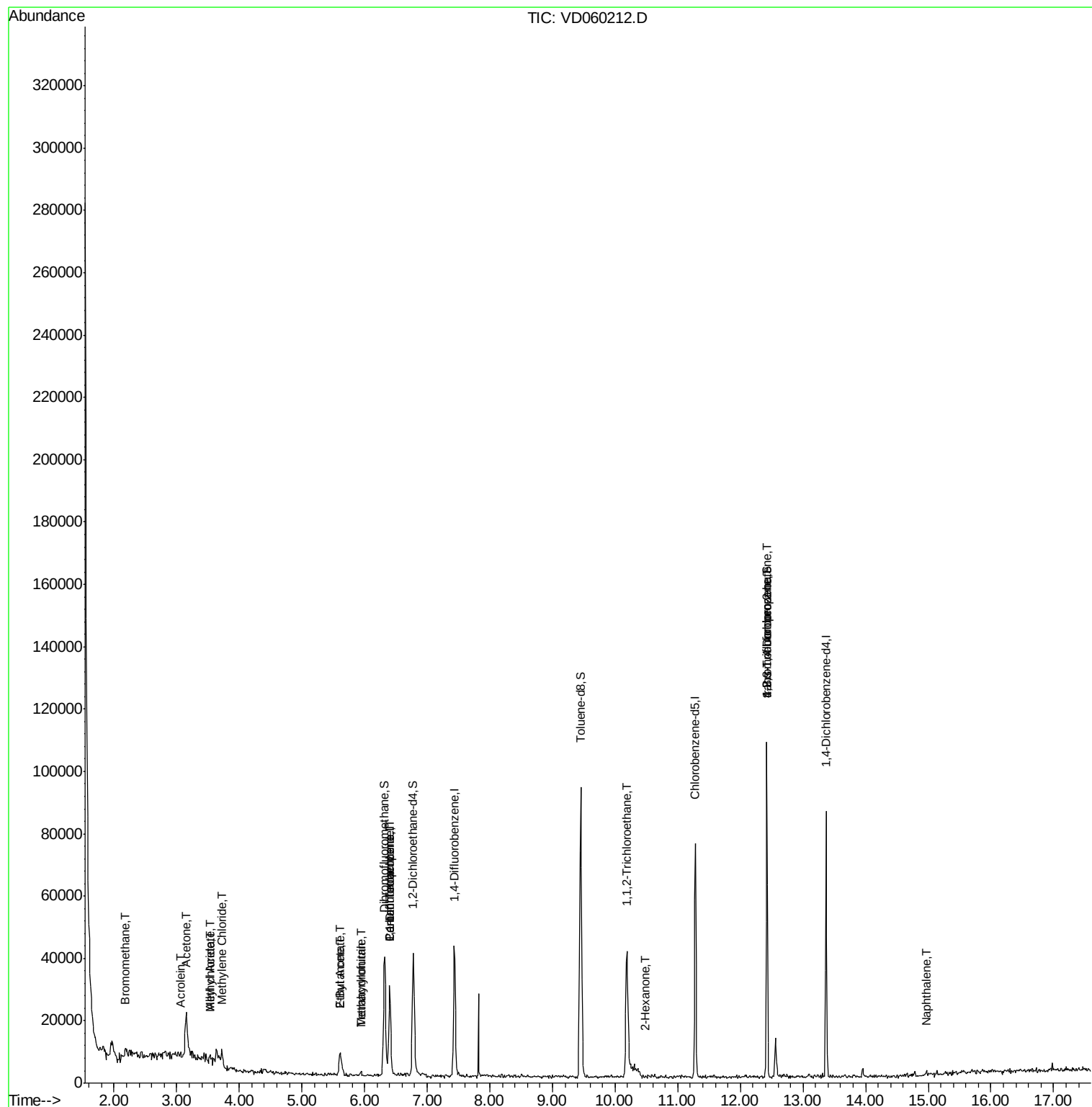
						Qvalue
5) Bromomethane	2.17	94	925	38.462	ug/l #	1
13) Acrolein	3.06	56	190	20.548	ug/l #	14
14) Allyl chloride	3.55	41	1251	5.351	ug/l #	67
16) Acetone	3.15	43	30208	795.968	ug/l	95
18) Methyl Acetate	3.52	43	901	11.046	ug/l #	63
20) Methylene Chloride	3.72	84	2518	4.517	ug/l #	87
25) 2-Butanone	5.61	43	15710	165.697	ug/l #	91
29) Tetrahydrofuran	5.95	42	501	9.097	ug/l #	41
36) 1,1-Dichloropropene	6.39	75	1818	4.377	ug/l #	40
37) Ethyl Acetate	5.61	43	15710	56.987	ug/l #	71
38) Carbon Tetrachloride	6.41	117	1504	3.990	ug/l #	11
41) Methacrylonitrile	5.94	41	567	3.639	ug/l #	44
55) 1,1,2-Trichloroethane	10.18	97	405	1.770	ug/l #	16
59) 2-Hexanone	10.49	43	178	1.082	ug/l #	30
76) 1,2,3-Trichloropropane	12.42	75	12506	46.781	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.42	75	12875	171.401	ug/l #	13
95) Naphthalene	14.96	128	1857	2.831	ug/l #	70

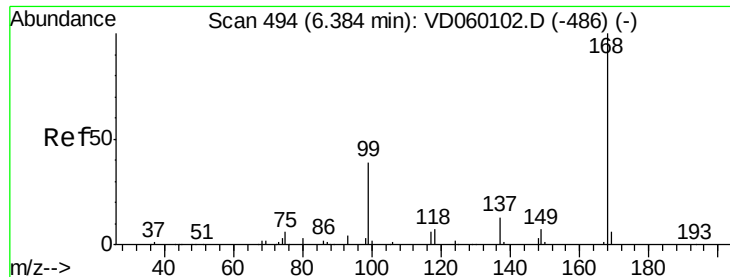
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Instrument :

MSVOA_D

ClientSampleId :

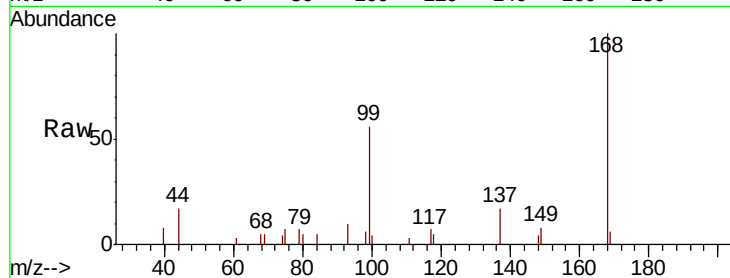
TP-13

Tot Ion:168 Resp: 27592

Ion Ratio Lower Upper

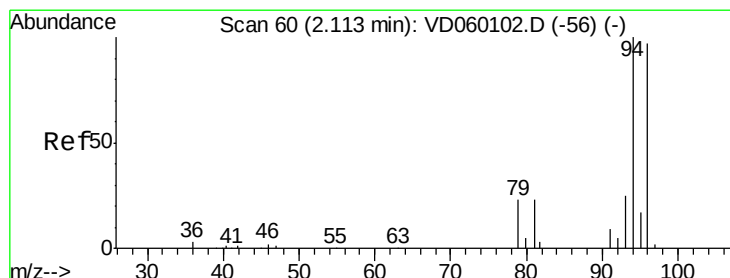
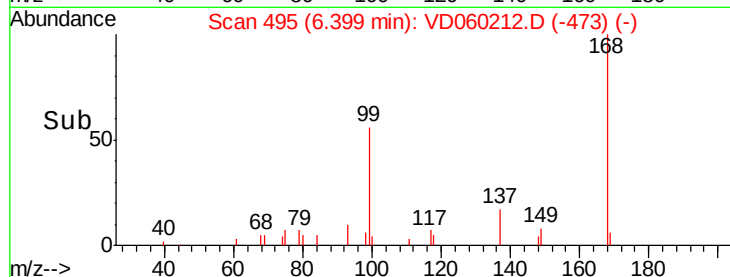
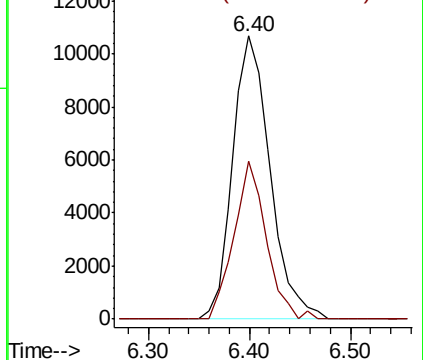
168 100

99 55.6 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: 38.462 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.05 min

Lab File: VD060212.D

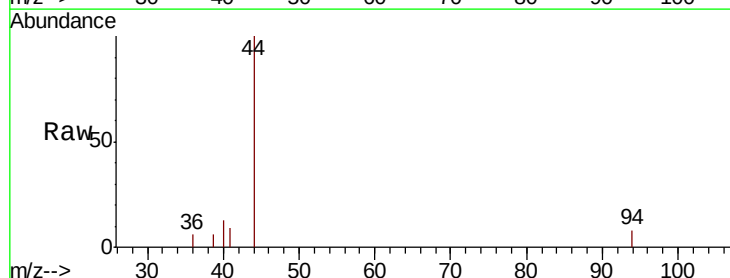
Acq: 25 Oct 2018 23:16

Tgt Ion: 94 Resp: 925

Ion Ratio Lower Upper

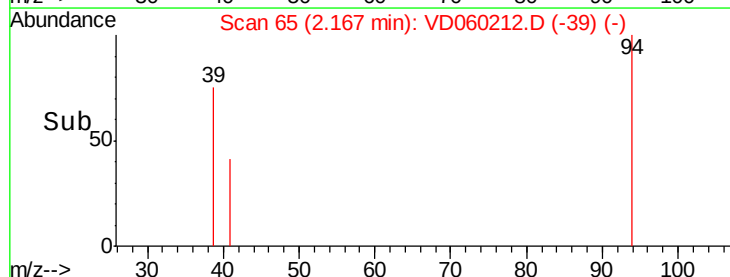
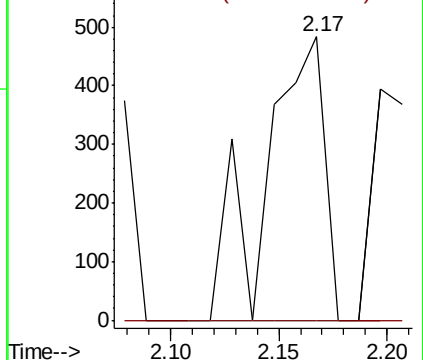
94 100

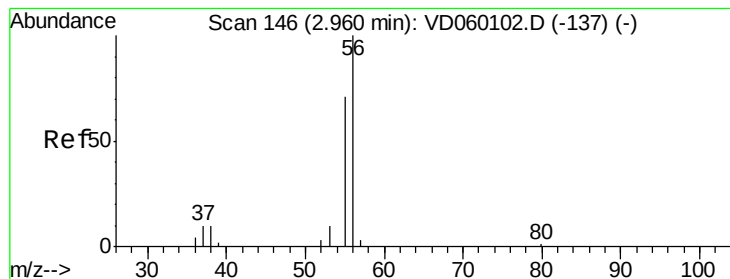
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: 20.548 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.10 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Instrument :

MSVOA_D

ClientSampleId :

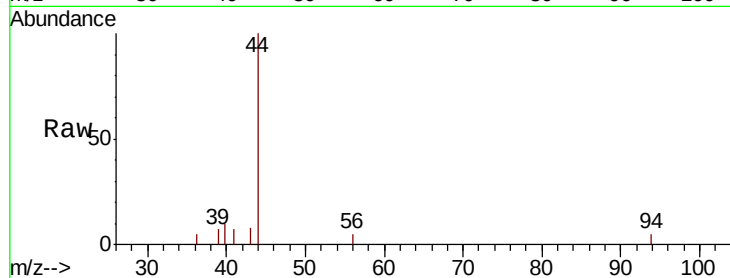
TP-13

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

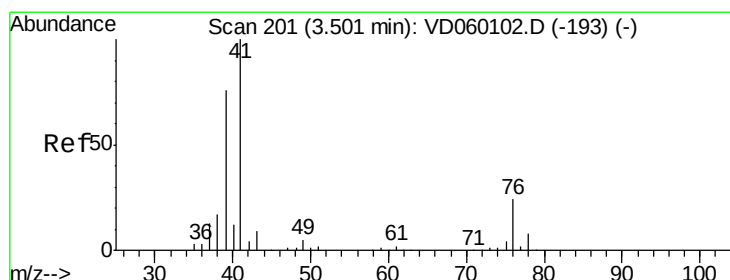
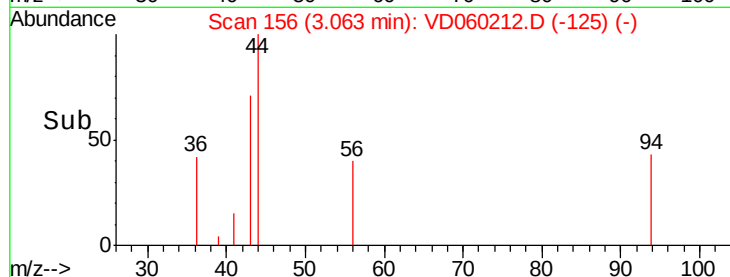
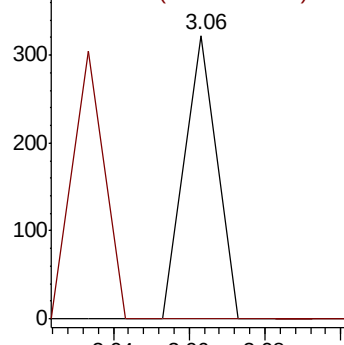
56 100

55 0.0 57.4 86.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.351 ug/l

RT: 3.55 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

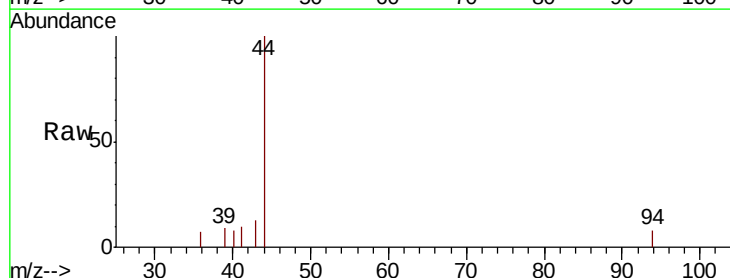
Tgt Ion: 41 Resp: 1251

Ion Ratio Lower Upper

41 100

39 98.3 60.6 90.8#

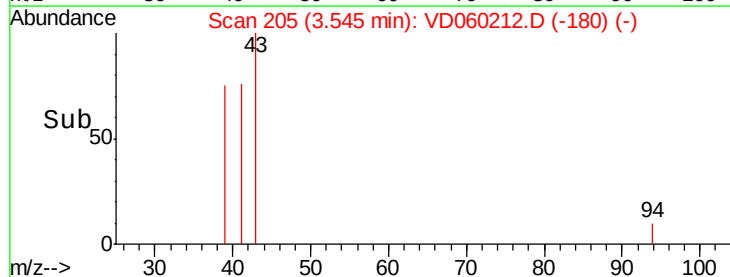
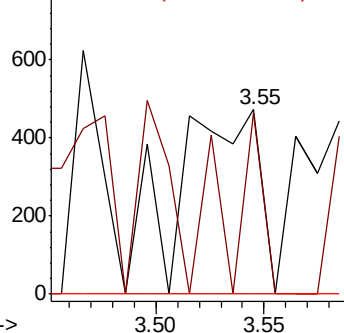
76 0.0 21.3 31.9#

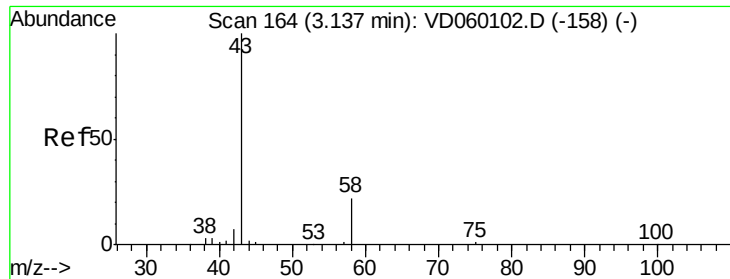


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 795.968 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Instrument :

MSVOA_D

ClientSampled :

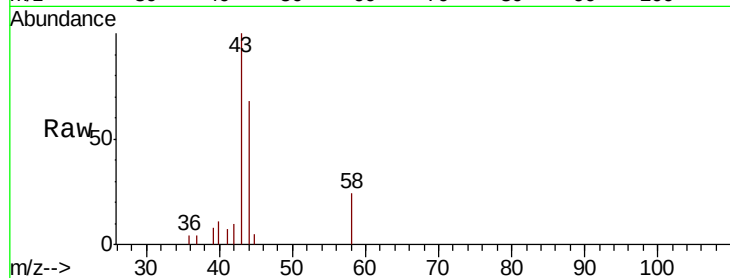
TP-13

Tot Ion: 43 Resp: 30208

Ion Ratio Lower Upper

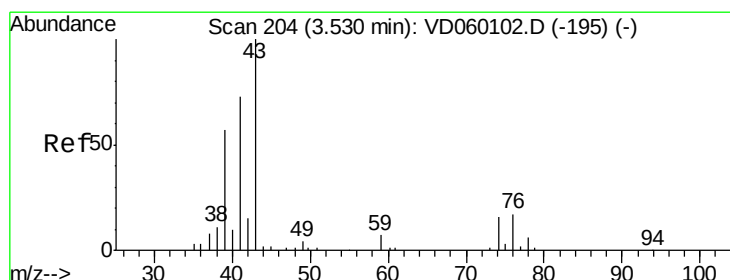
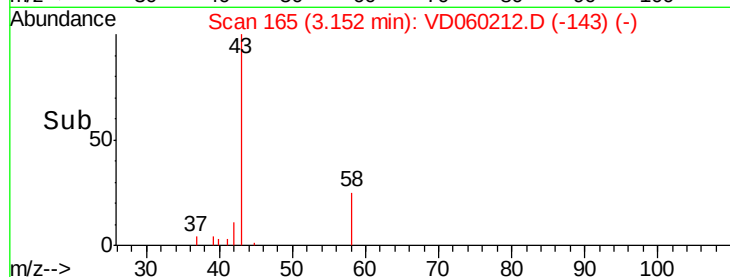
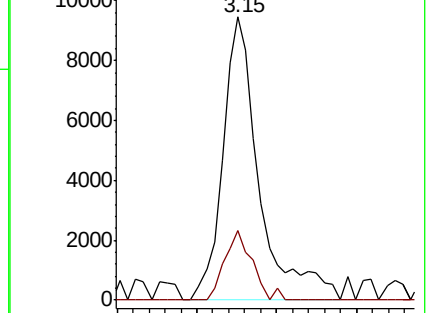
43 100

58 24.5 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 11.046 ug/l

RT: 3.52 min Scan# 202

Delta R.T. -0.01 min

Lab File: VD060212.D

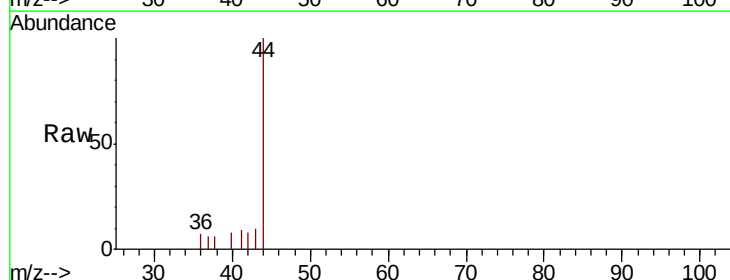
Acq: 25 Oct 2018 23:16

Tgt Ion: 43 Resp: 901

Ion Ratio Lower Upper

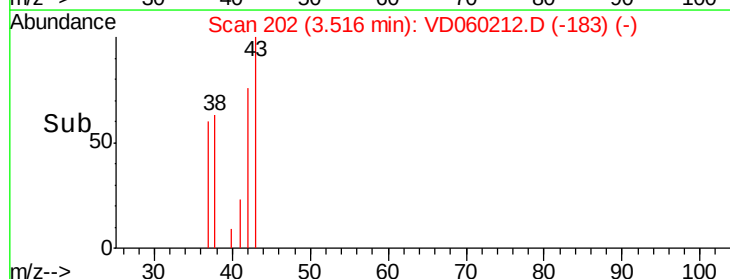
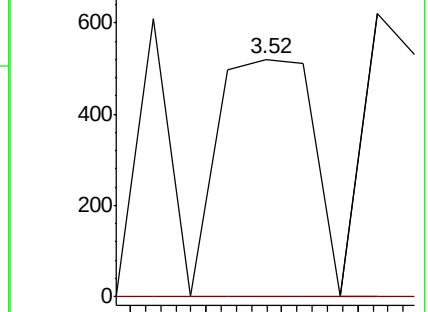
43 100

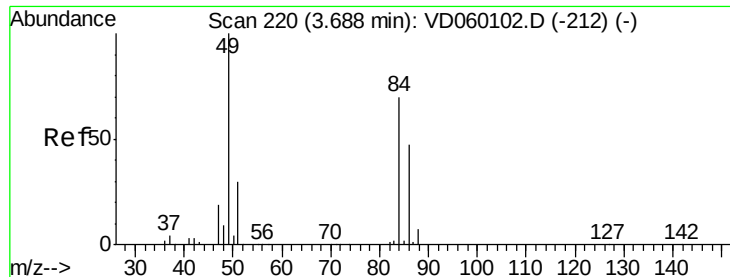
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

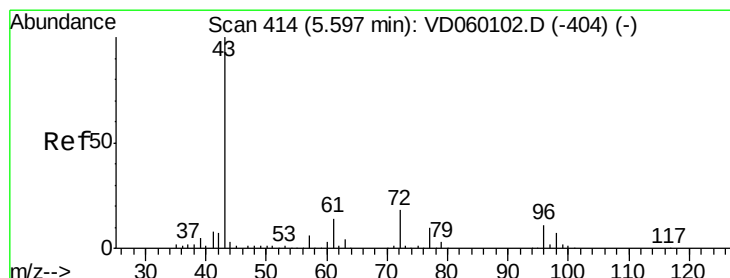
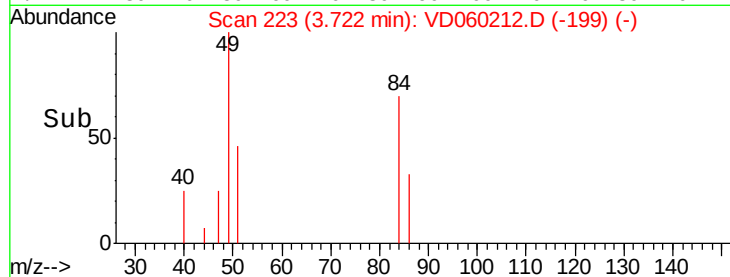
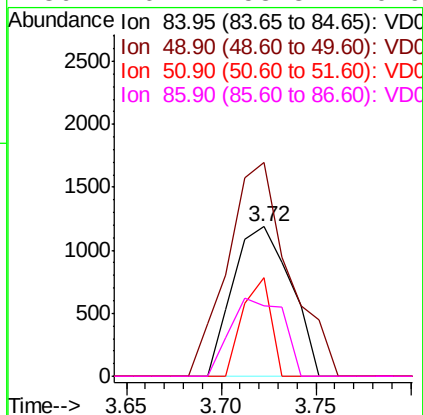
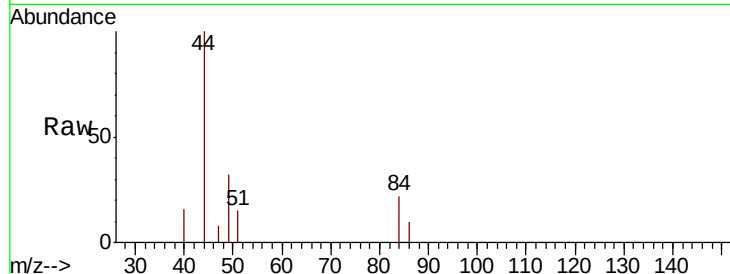




#20
Methylene Chloride
Concen: 4.517 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.04 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

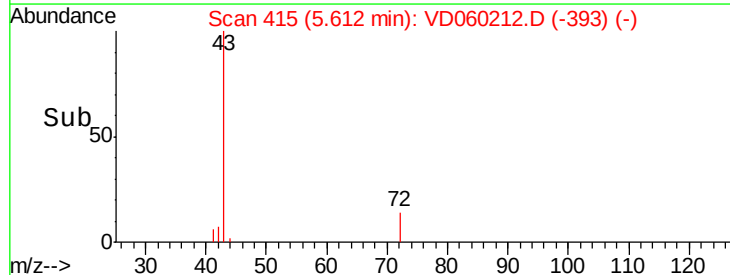
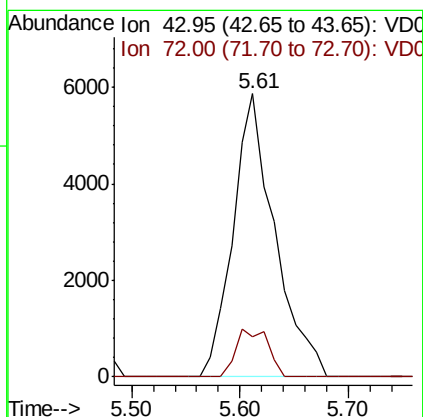
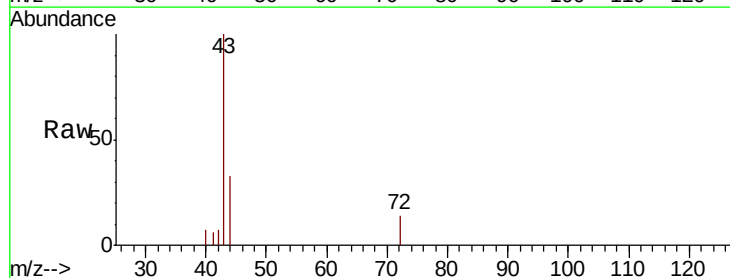
Instrument :
MSVOA_D
ClientSampleId :
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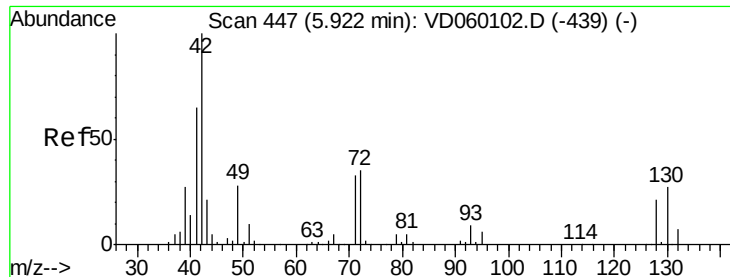
Tot Ion: 84 Resp: 2518
Ion Ratio Lower Upper
84 100
49 142.6 114.6 172.0
51 66.2 33.8 50.8#
86 46.7 53.3 79.9#



#25
2-Butanone
Concen: 165.697 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.01 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

Tgt Ion: 43 Resp: 15710
Ion Ratio Lower Upper
43 100
72 14.2 14.5 21.7#





#29

Tetrahydrofuran

Concen: 9.097 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Instrument :

MSVOA_D

ClientSampleId :

TP-13

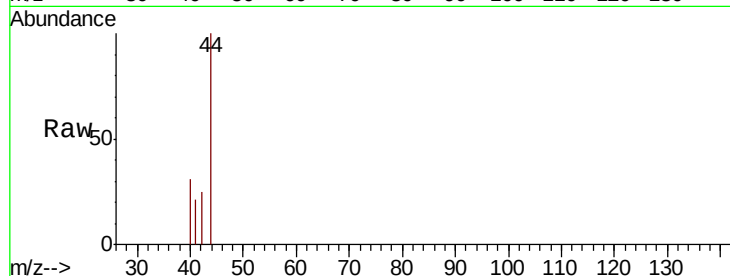
Tot Ion: 42 Resp: 501

Ion Ratio Lower Upper

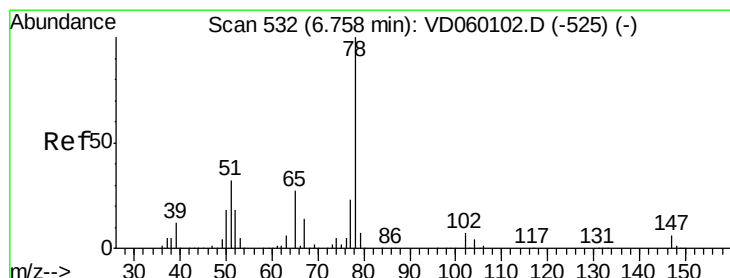
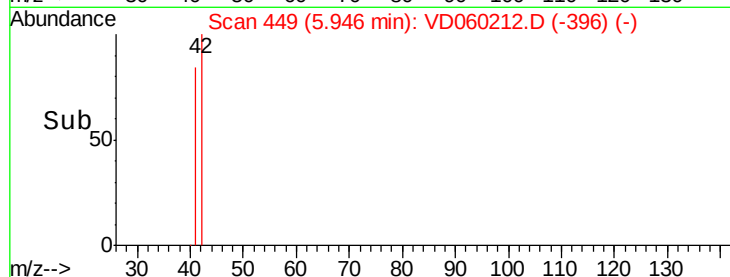
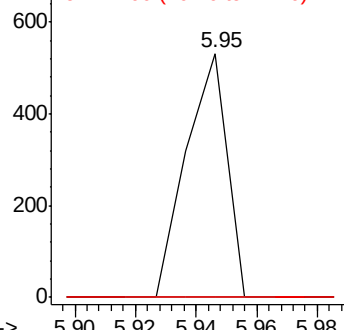
42 100

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060212.D

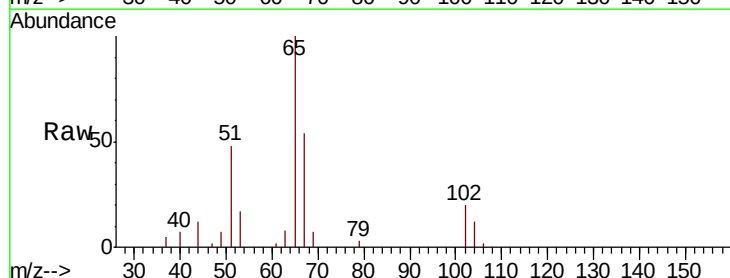
Acq: 25 Oct 2018 23:16

Tgt Ion: 65 Resp: 34983

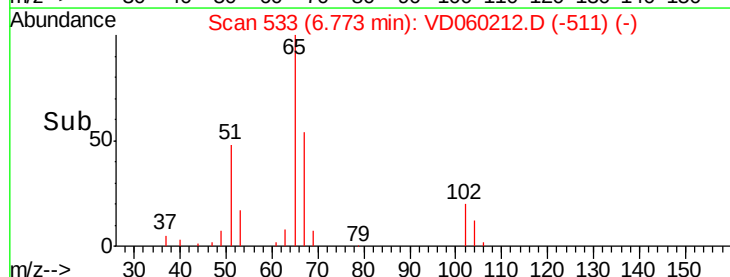
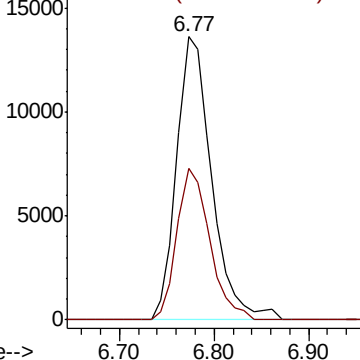
Ion Ratio Lower Upper

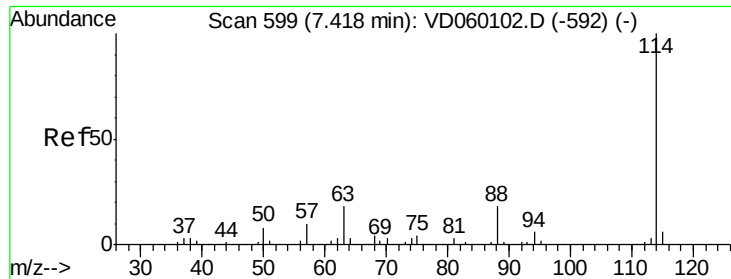
65 100

67 53.5 0.0 106.2



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

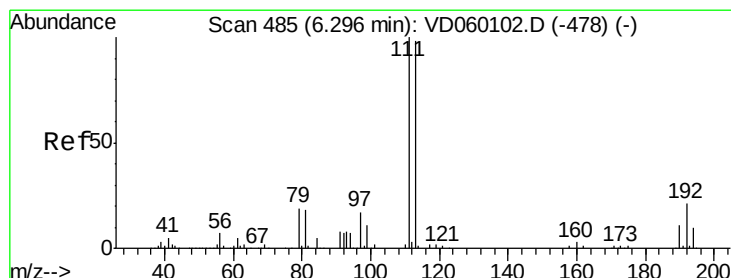
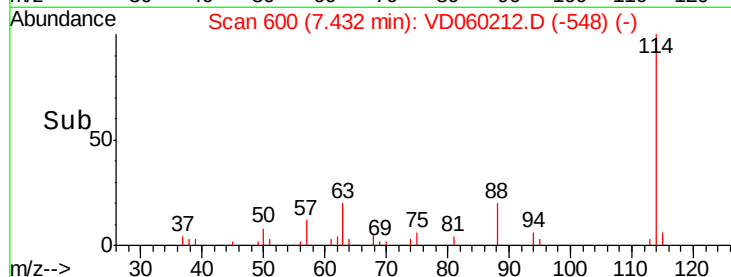
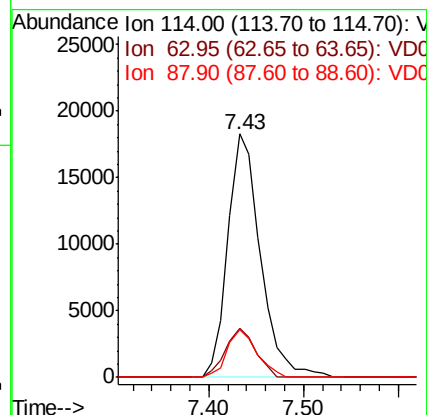
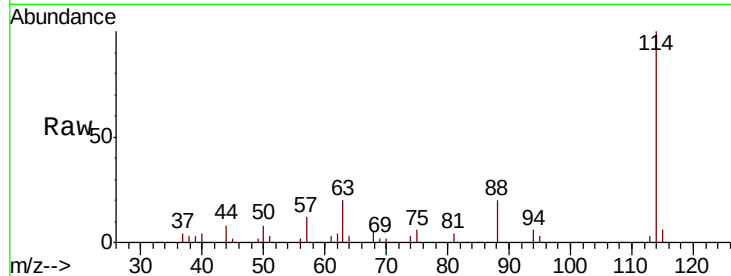




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

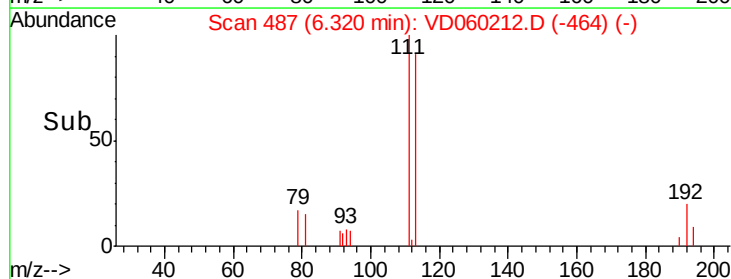
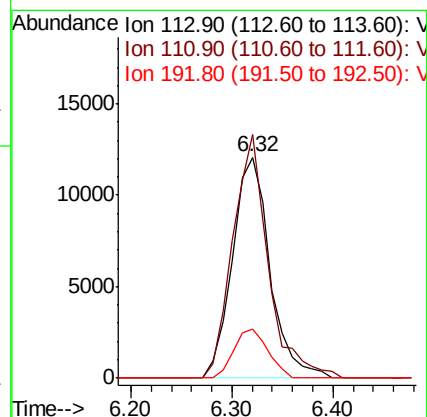
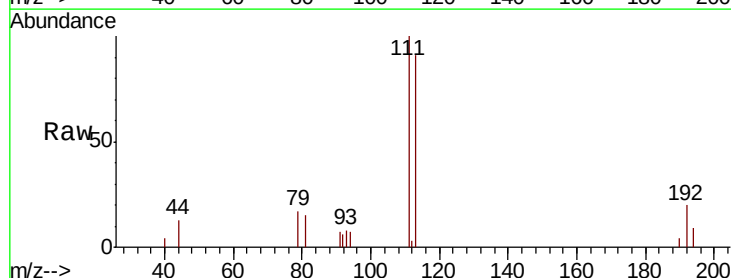
Instrument :
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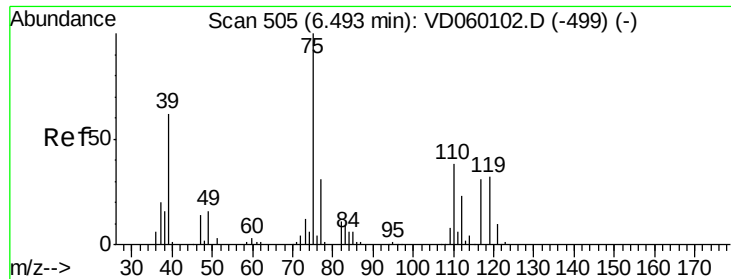
Tot Ion:114 Resp: 43463
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 36.0
 88 19.7 0.0 36.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Tgt Ion:113 Resp: 31351
 Ion Ratio Lower Upper
 113 100
 111 110.2 81.5 122.3
 192 22.4 17.4 26.0

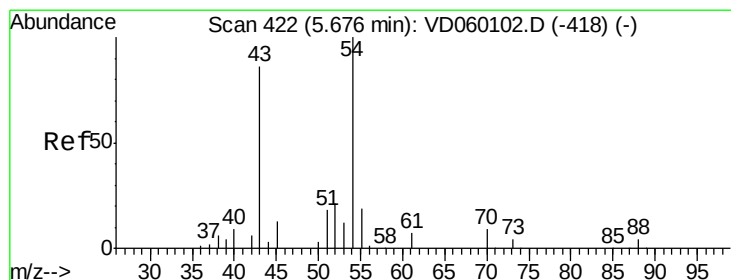
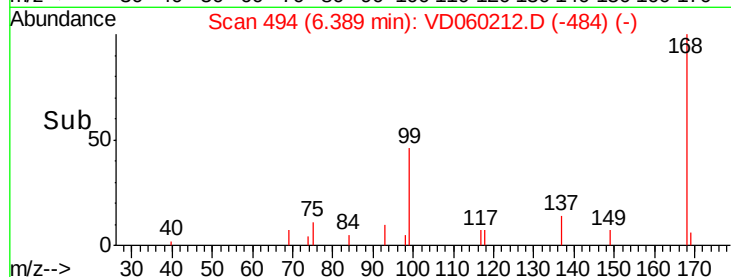
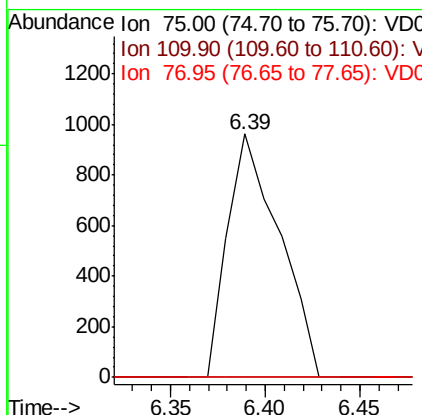
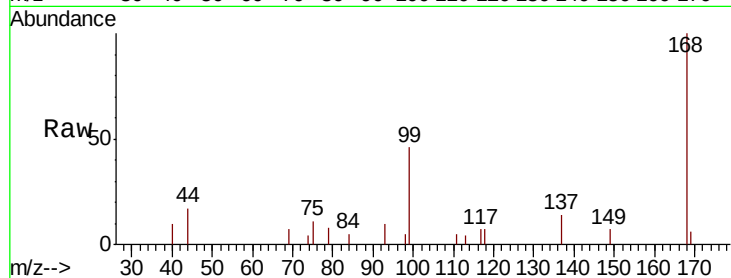




#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.10 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

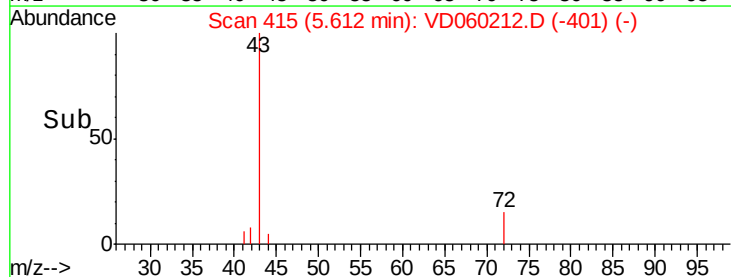
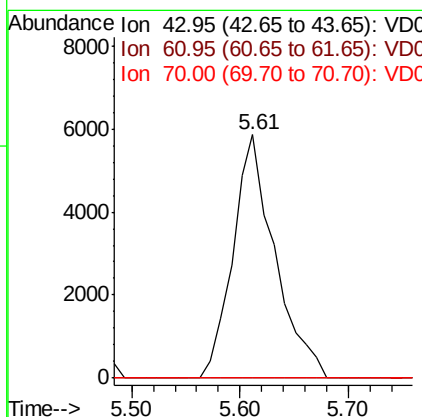
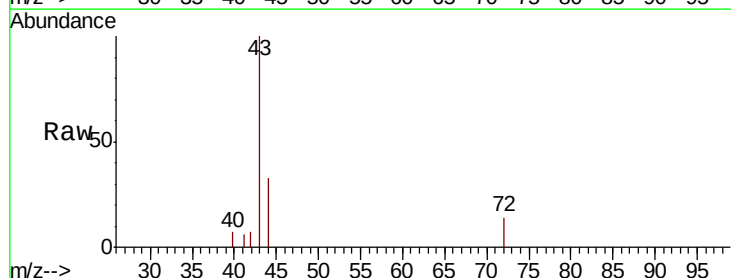
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

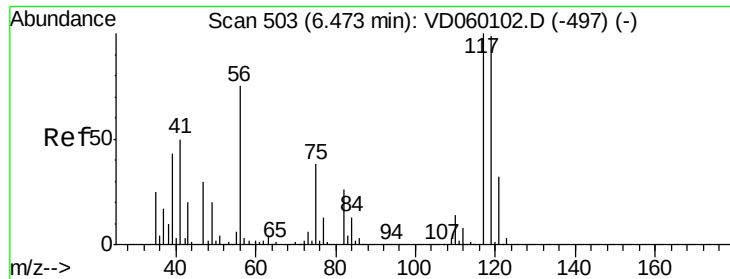
Tot Ion: 75 Resp: 1818
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 56.987 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.06 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Tgt Ion: 43 Resp: 15710
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 6.3 9.5#

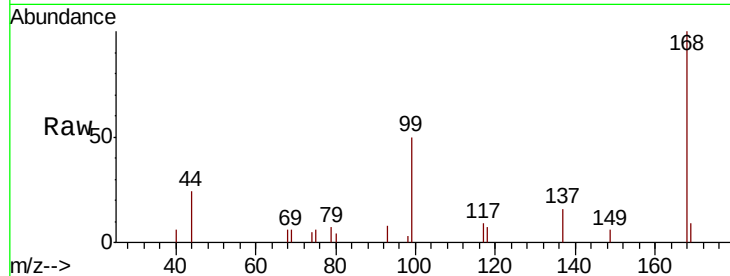




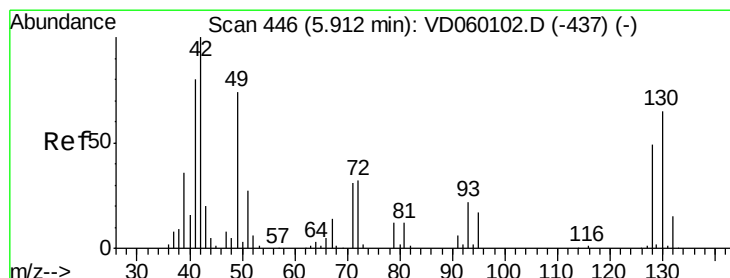
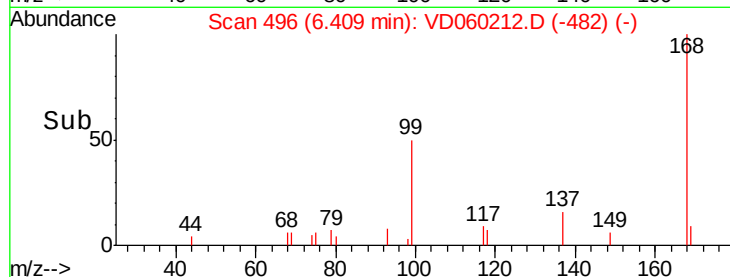
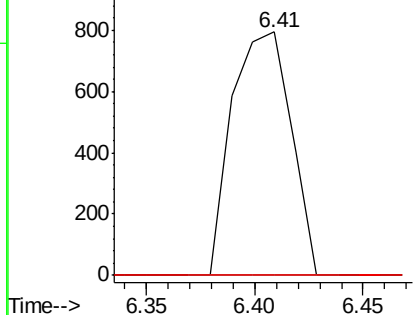
#38
Carbon Tetrachloride
Concen: 3.990 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

Instrument :
MSVOA_D
ClientSampled :
TP-13

Tot Ion:117 Resp: 1504
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 24.8 37.2#

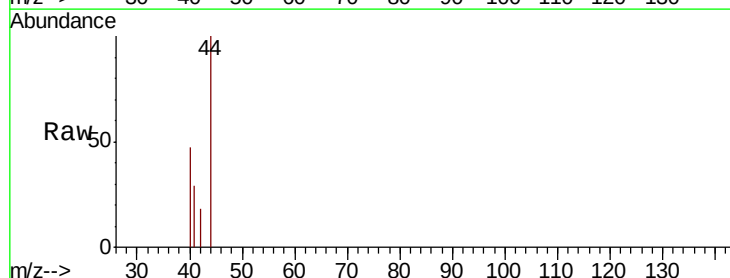


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

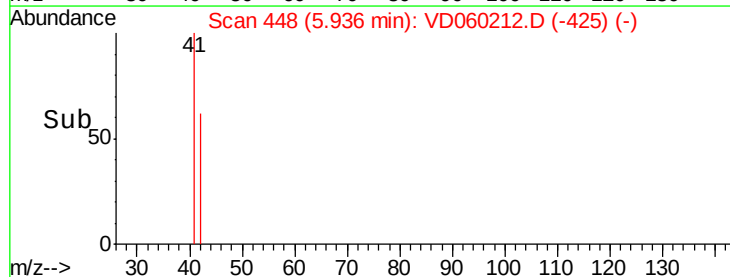
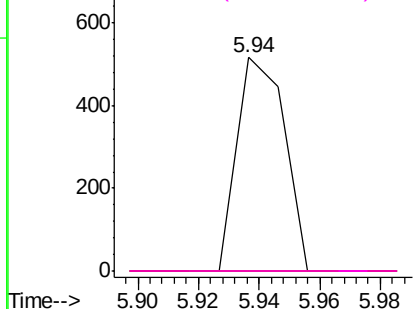


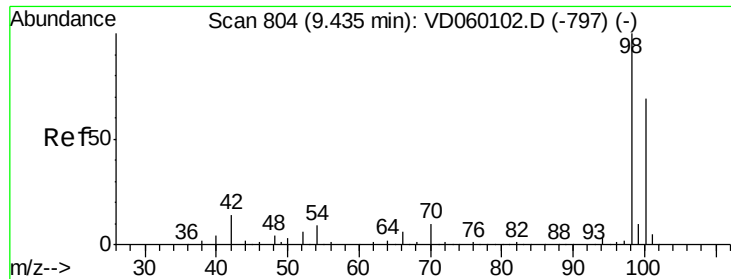
#41
Methacrylonitrile
Concen: 3.639 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

Tgt Ion: 41 Resp: 567
Ion Ratio Lower Upper
41 100
39 0.0 36.0 54.0#
67 0.0 13.9 20.9#
52 0.0 6.1 9.1#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Instrument :

MSVOA_D

ClientSampled :

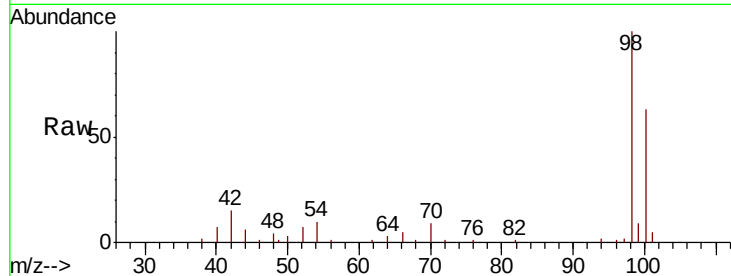
TP-13

Tot Ion: 98 Resp: 72932

Ion Ratio Lower Upper

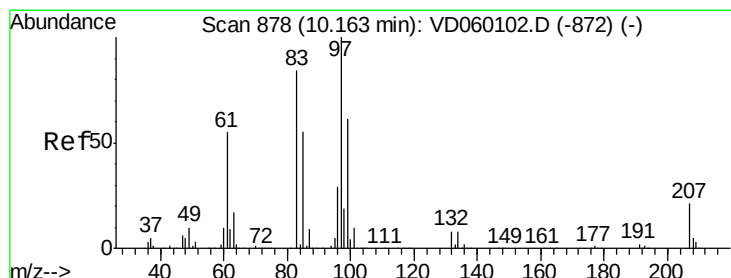
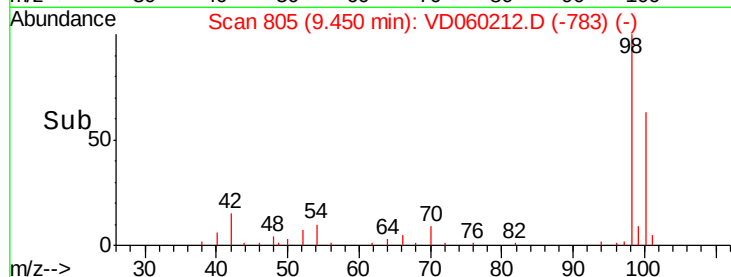
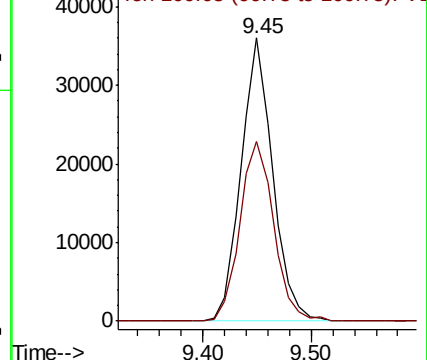
98 100

100 63.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#55

1,1,2-Trichloroethane

Concen: 1.770 ug/l

RT: 10.18 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD060212.D

Acq: 25 Oct 2018 23:16

Tgt Ion: 97 Resp: 405

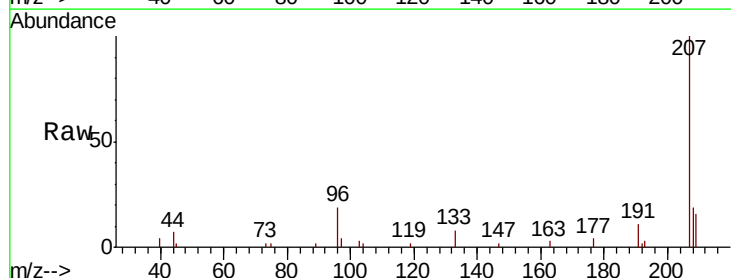
Ion Ratio Lower Upper

97 100

83 0.0 67.0 100.6#

85 0.0 43.9 65.9#

99 0.0 49.1 73.7#

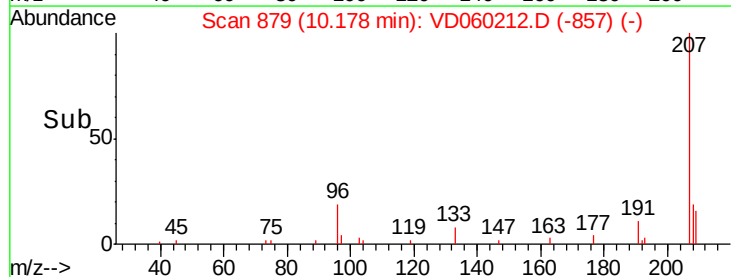
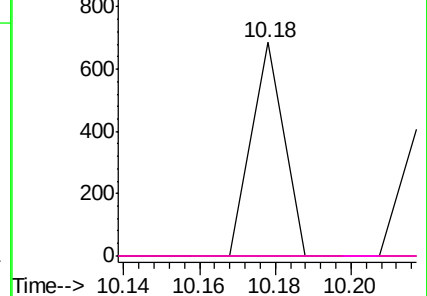


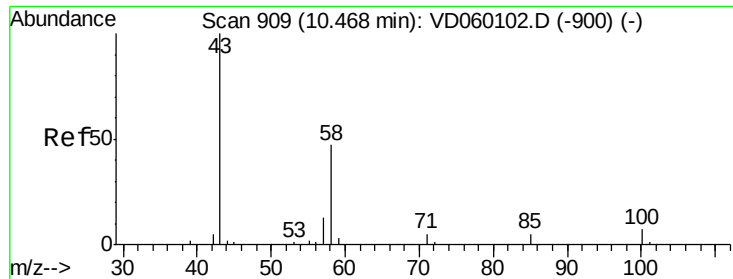
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

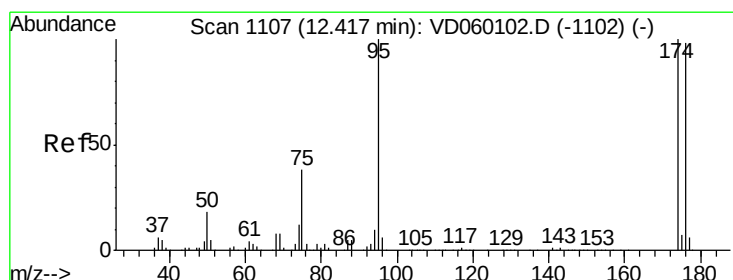
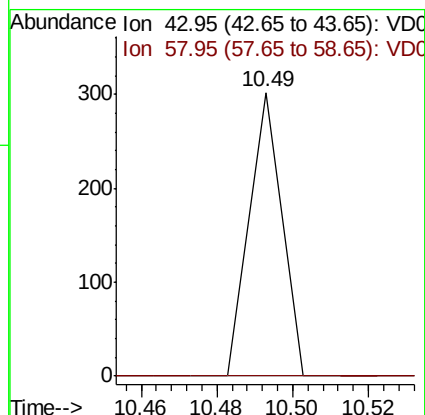
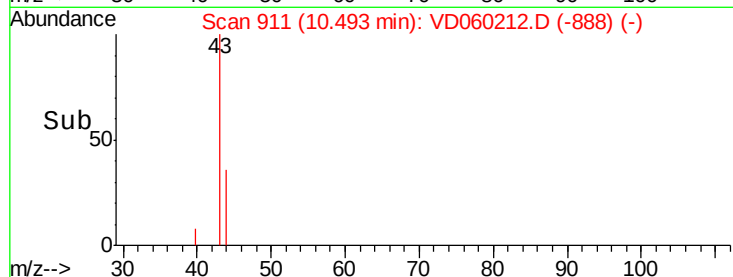
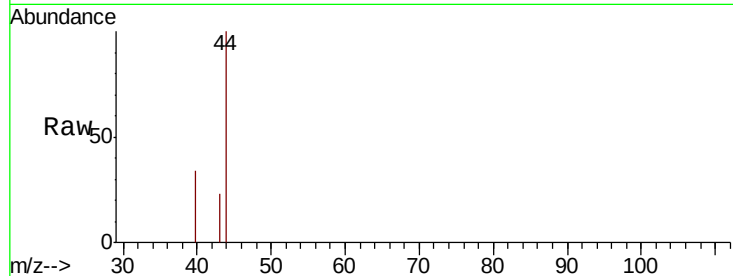




#59
2-Hexanone
Concen: 1.082 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

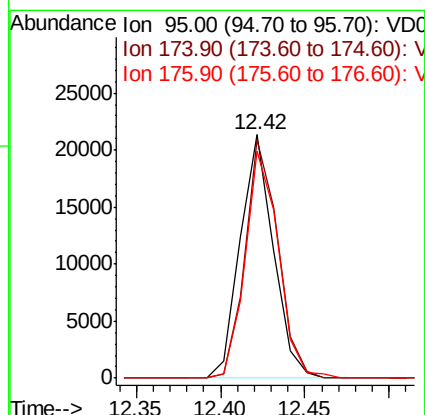
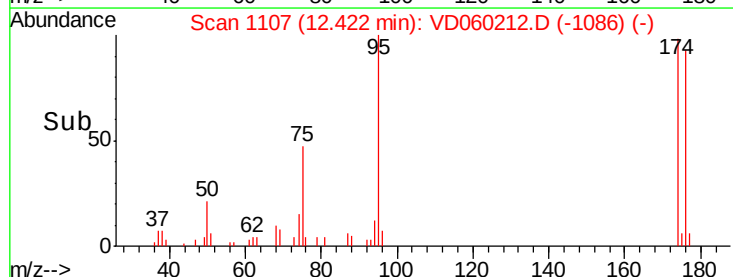
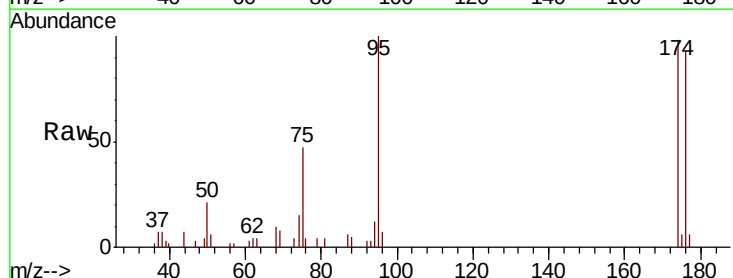
Instrument :
MSVOA_D
ClientSampleId :
TP-13

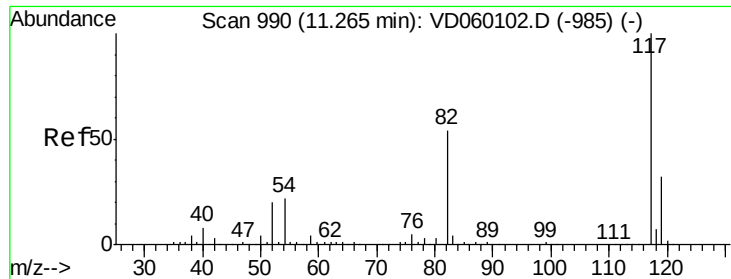
Tot Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060212.D
Acq: 25 Oct 2018 23:16

Tgt Ion: 95 Resp: 29124
Ion Ratio Lower Upper
95 100
174 97.7 0.0 200.2
176 93.5 0.0 195.6

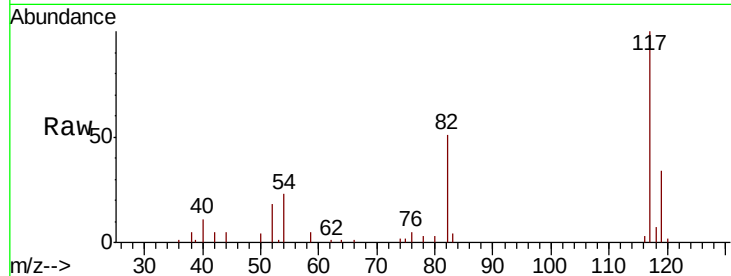




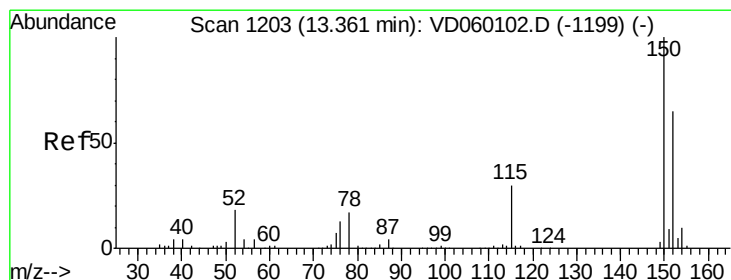
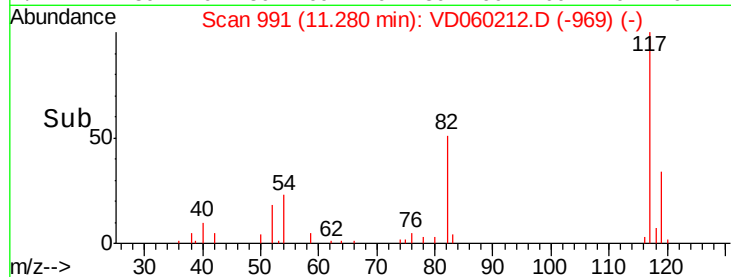
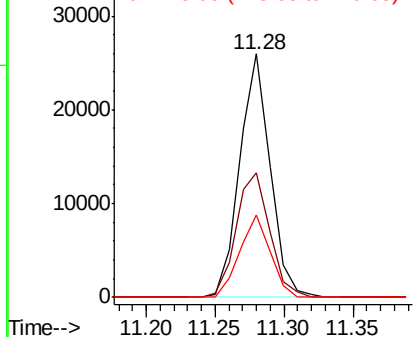
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Tot Ion:117 Resp: 39986
 Ion Ratio Lower Upper
 117 100
 82 51.3 43.4 65.2
 119 33.6 26.0 39.0

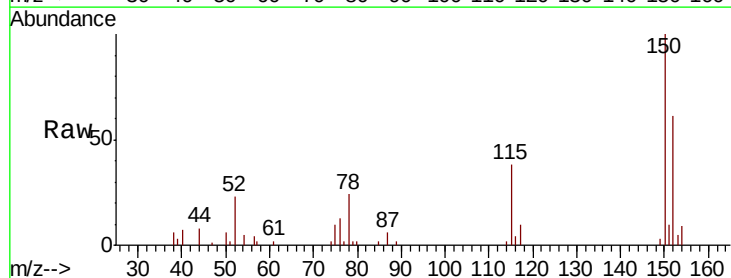


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

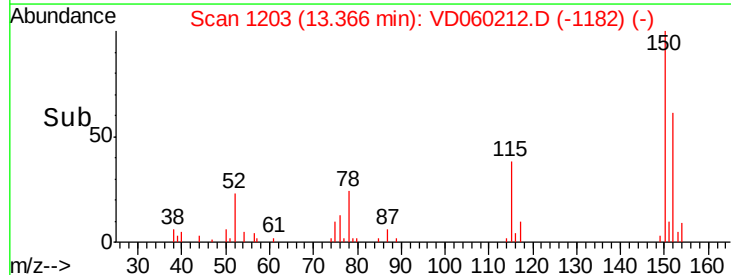
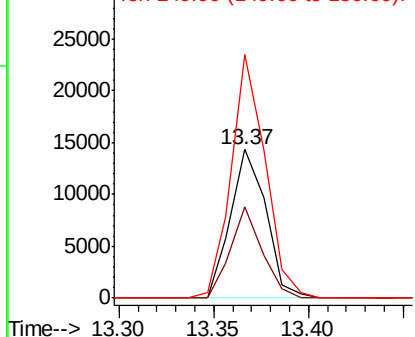


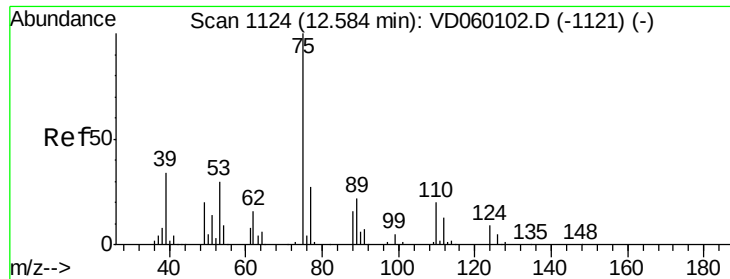
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Tgt Ion:152 Resp: 18563
 Ion Ratio Lower Upper
 152 100
 115 61.8 27.1 81.2
 150 163.9 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

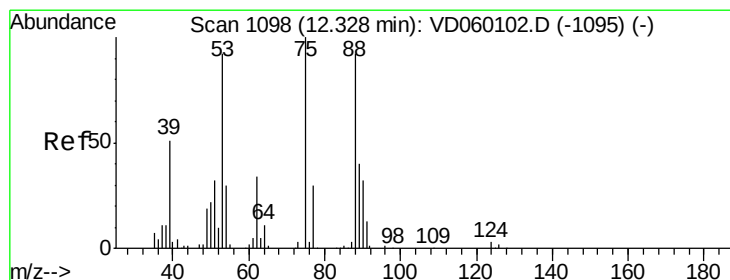
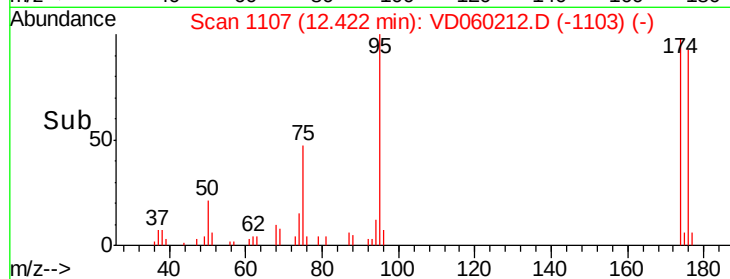
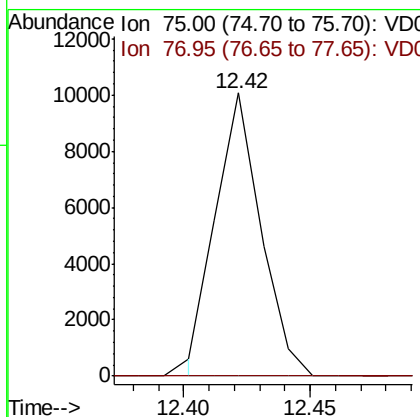
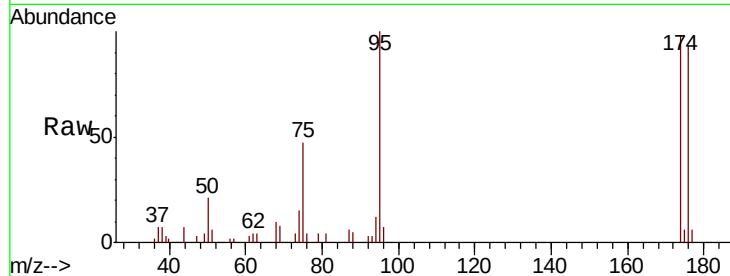




#76
 1,2,3-Trichloropropane
 Concen: 46.781 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.16 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

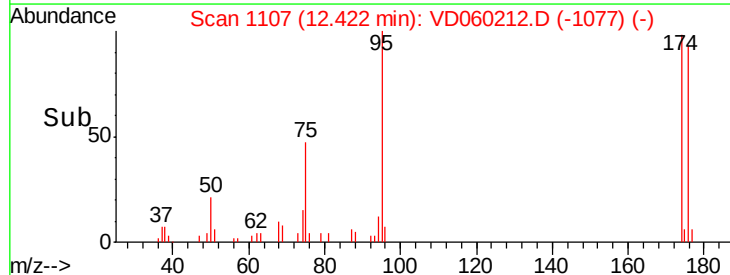
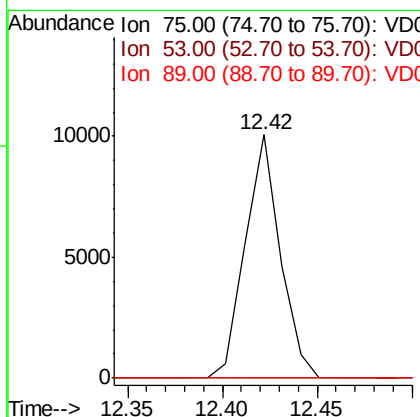
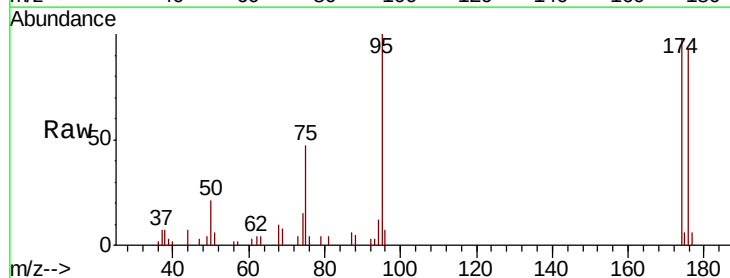
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

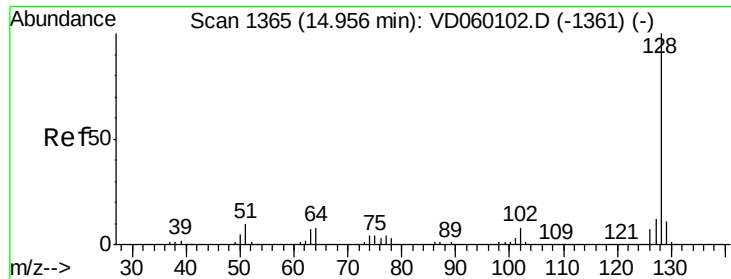
Tot Ion: 75 Resp: 12506
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.401 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Tgt Ion: 75 Resp: 12875
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#





#95
 Naphthalene
 Concen: 2.831 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD060212.D
 Acq: 25 Oct 2018 23:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13

Tot Ion:128 Resp: 1857
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 8.8 13.2#

