

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060122.D
 Acq On : 3 Oct 2018 17:09
 Operator : VA/AP
 Sample : J5237-01
 Misc : 4.50µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSS-UST-1A

Quant Time: Oct 04 04:30:48 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	1340576	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	1832780	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1505517	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	808285	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	535296	52.68	ug/l	0.01
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	6.31	113	718863	51.65	ug/l	0.01
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	9.45	98	1881133	47.40	ug/l	0.01
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.42	95	754521	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

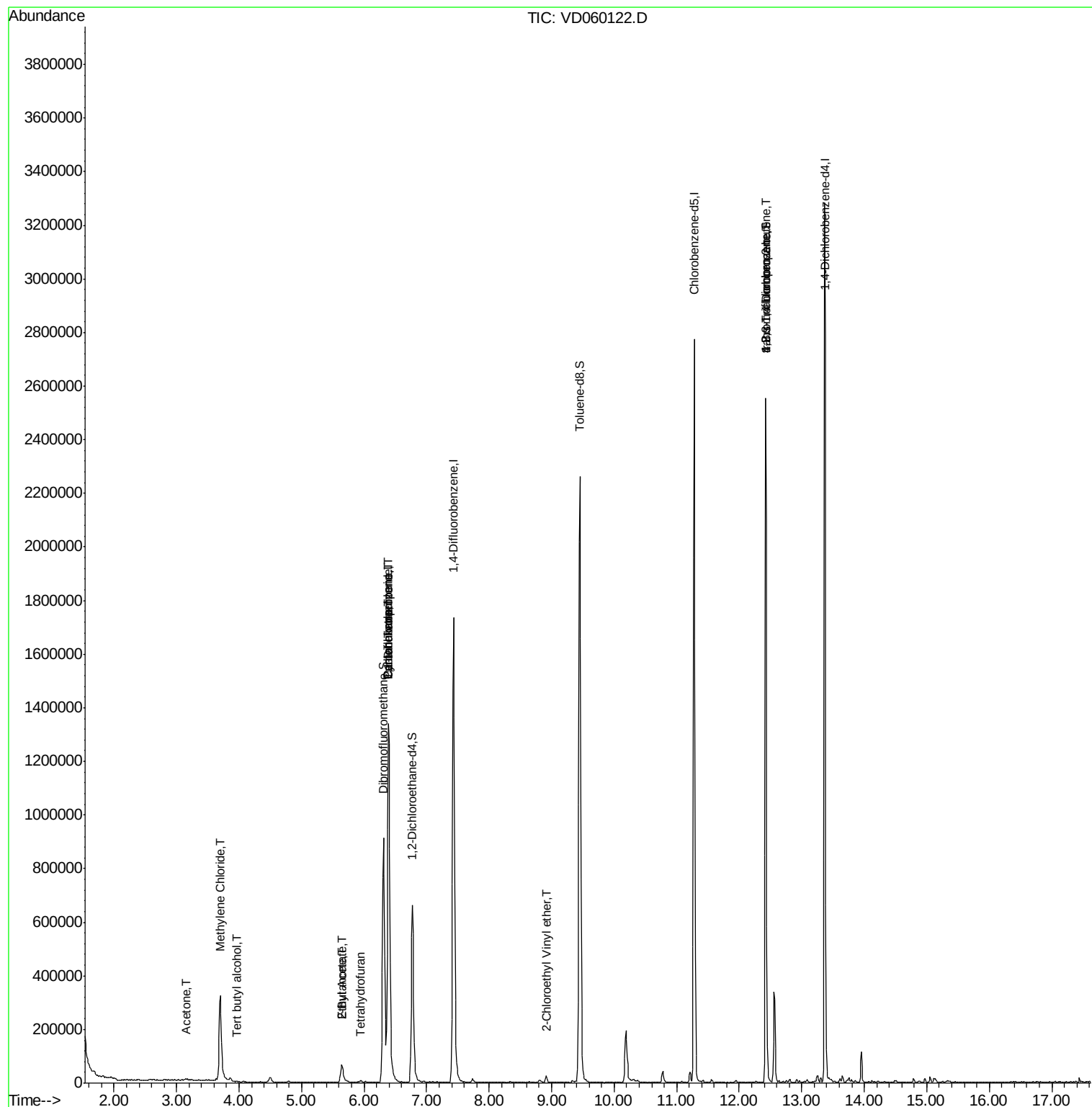
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	2710	3.719	ug/l #	74
16) Acetone	3.14	43	10559	5.726	ug/l #	83
20) Methylene Chloride	3.70	84	196049	10.074	ug/l	97
25) 2-Butanone	5.63	43	12595	2.734	ug/l #	59
29) Tetrahydrofuran	5.95	42	3581	1.338	ug/l #	92
31) Cyclohexane	6.39	56	27984	1.271	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	88308	5.042	ug/l #	47
37) Ethyl Acetate	5.63	43	12595	1.083	ug/l #	63
38) Carbon Tetrachloride	6.39	117	105228	6.620	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.91	63	12083	2.043	ug/l #	80
76) 1,2,3-Trichloropropane	12.42	75	296918	25.508	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	303384	92.756	ug/l #	13

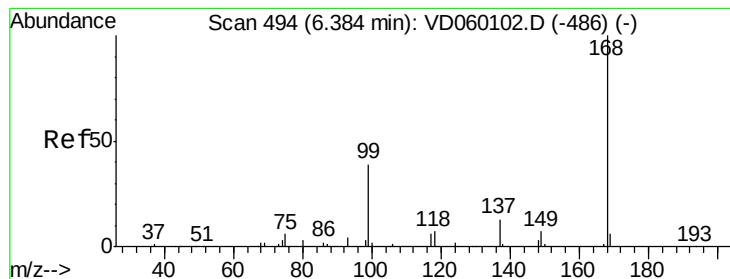
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
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: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

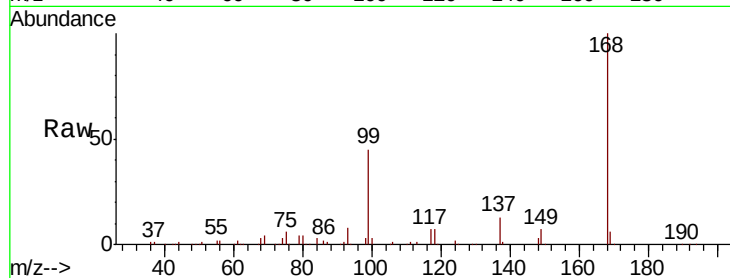
BSS-UST-1A

Tot Ion:168 Resp: 1340576

Ion Ratio Lower Upper

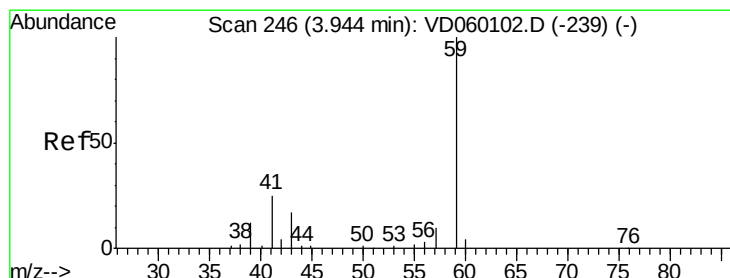
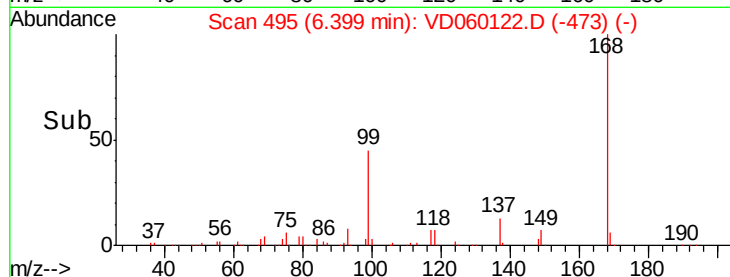
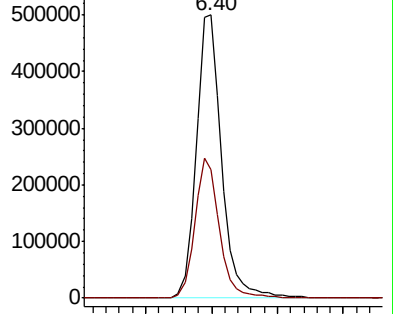
168 100

99 45.5 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.719 ug/l

RT: 3.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD060122.D

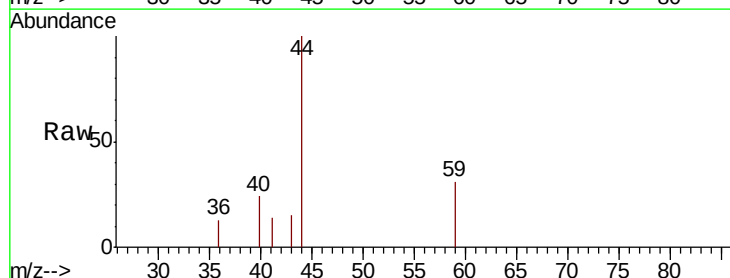
Acq: 3 Oct 2018 17:09

Tgt Ion: 59 Resp: 2710

Ion Ratio Lower Upper

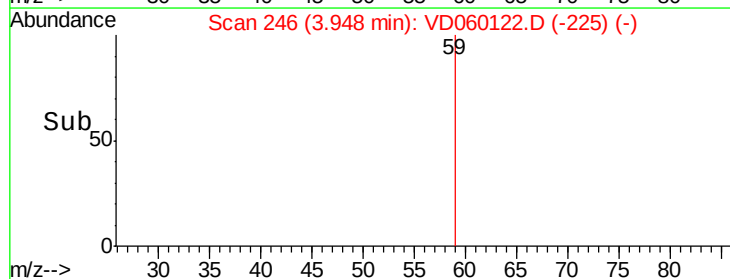
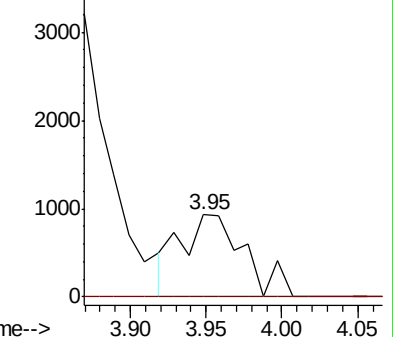
59 100

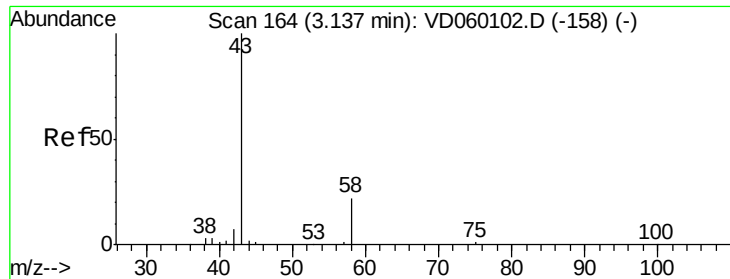
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.726 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

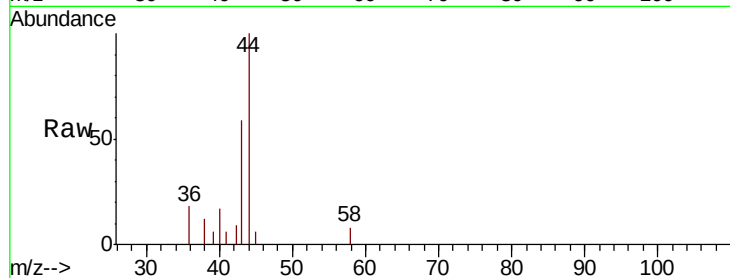
BSS-UST-1A

Tot Ion: 43 Resp: 10559

Ion Ratio Lower Upper

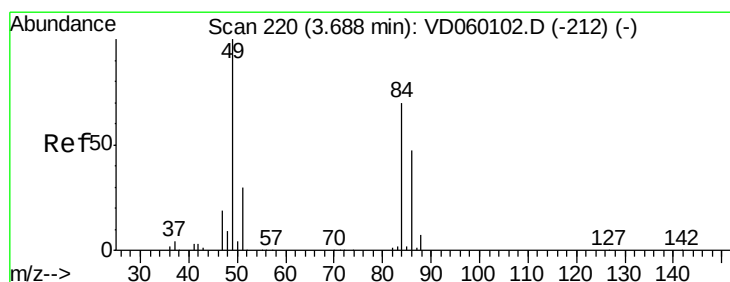
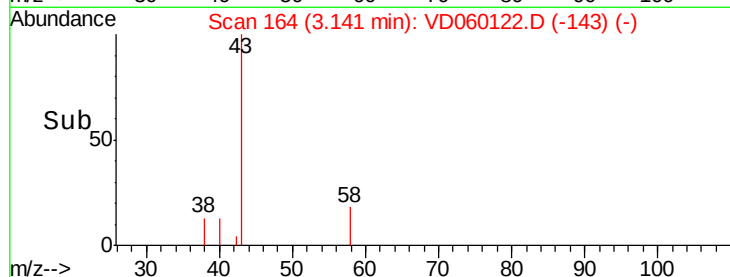
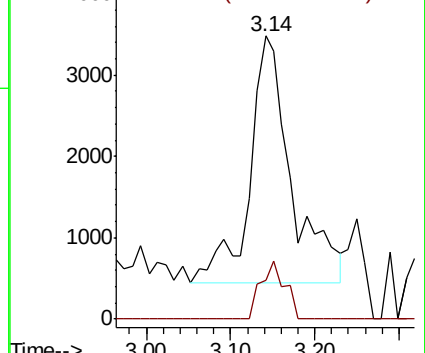
43 100

58 13.9 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.074 ug/l

RT: 3.70 min Scan# 221

Delta R.T. 0.02 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Tgt Ion: 84 Resp: 196049

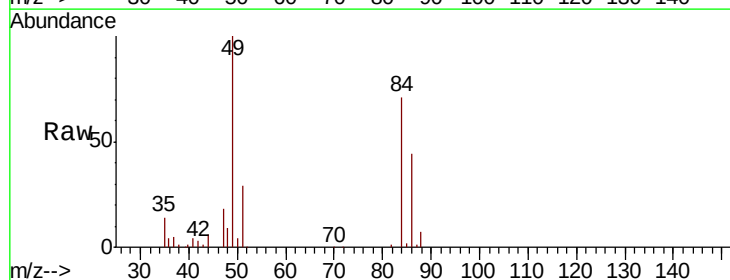
Ion Ratio Lower Upper

84 100

49 141.2 114.6 172.0

51 41.1 33.8 50.8

86 61.4 53.3 79.9

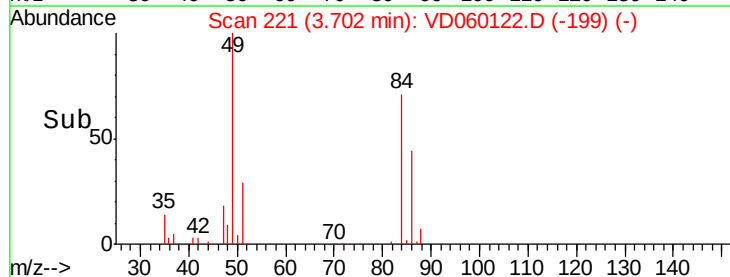
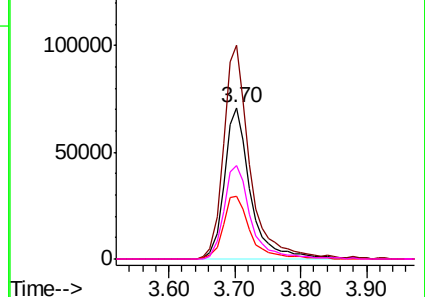


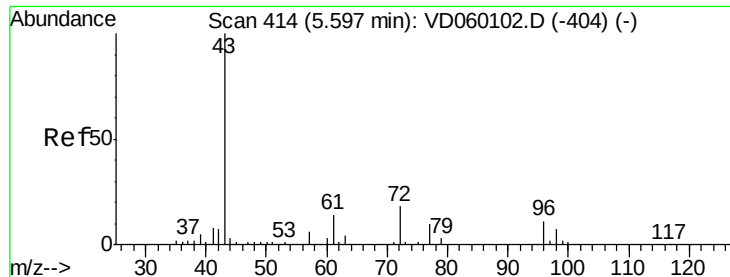
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.734 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

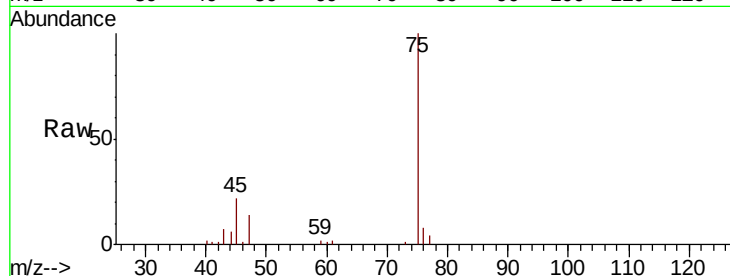
BSS-UST-1A

Tot Ion: 43 Resp: 12595

Ion Ratio Lower Upper

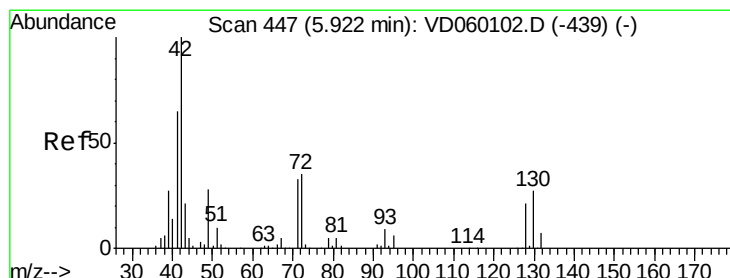
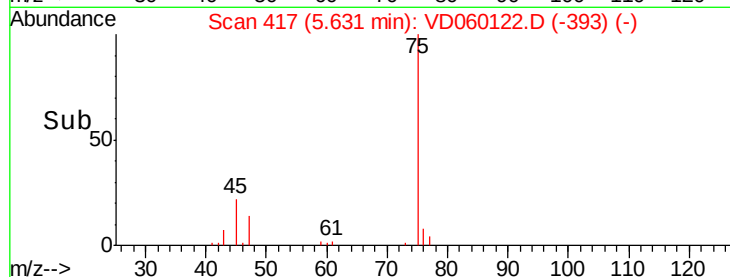
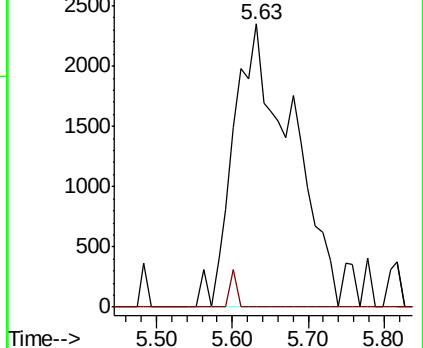
43 100

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



#29

Tetrahydrofuran

Concen: 1.338 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

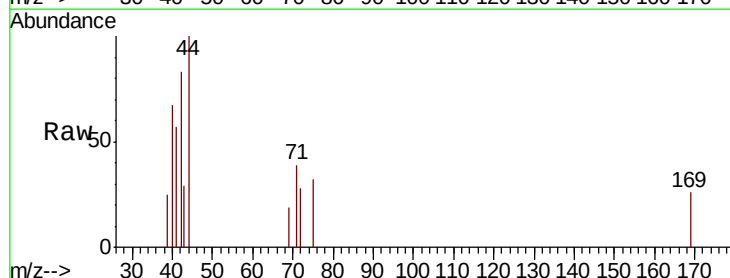
Tgt Ion: 42 Resp: 3581

Ion Ratio Lower Upper

42 100

72 25.9 26.9 40.3#

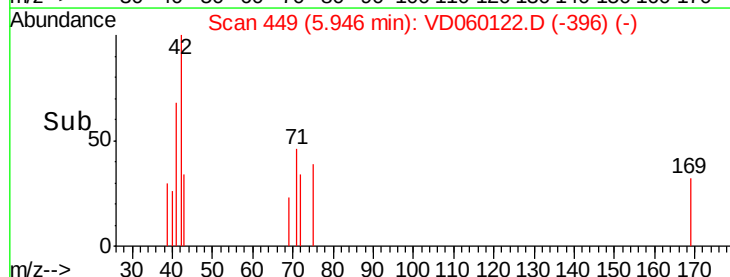
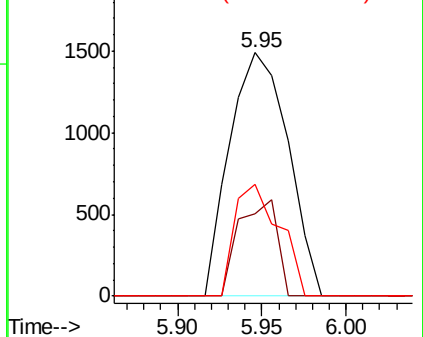
71 35.1 26.7 40.1

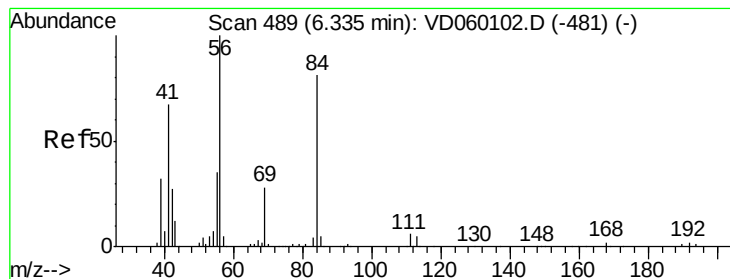


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.271 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

BSS-UST-1A

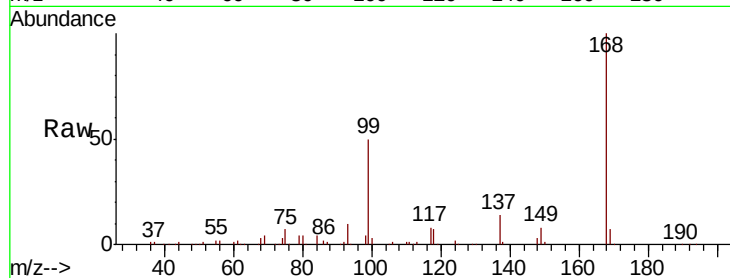
Tot Ion: 56 Resp: 27984

Ion Ratio Lower Upper

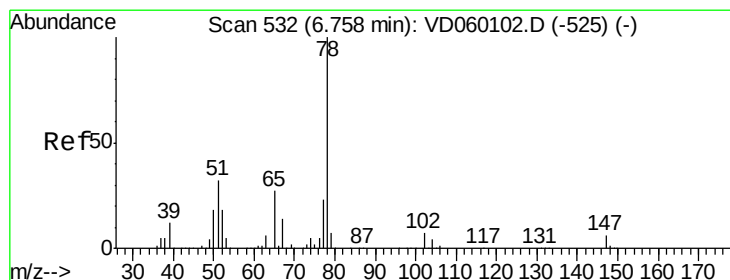
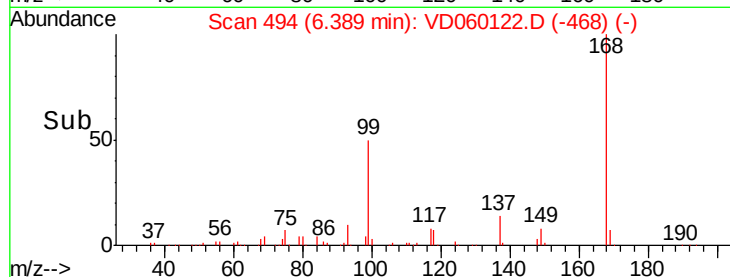
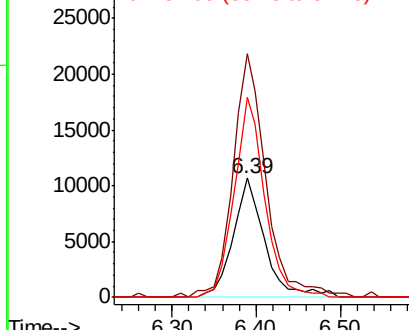
56 100

69 204.6 22.8 34.2#

84 168.3 64.9 97.3#



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: Below ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060122.D

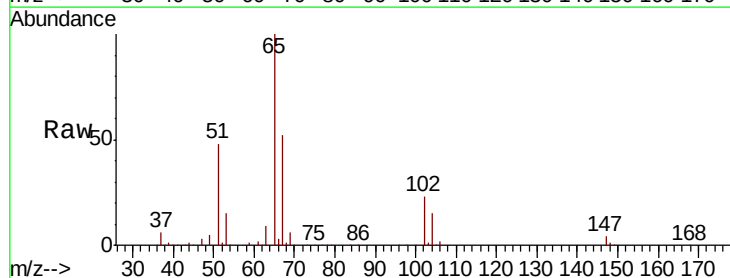
Acq: 3 Oct 2018 17:09

Tgt Ion: 65 Resp: 535296

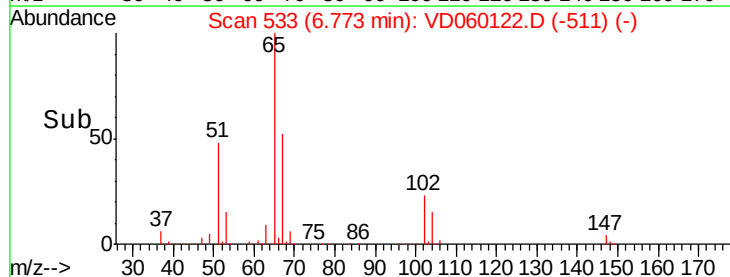
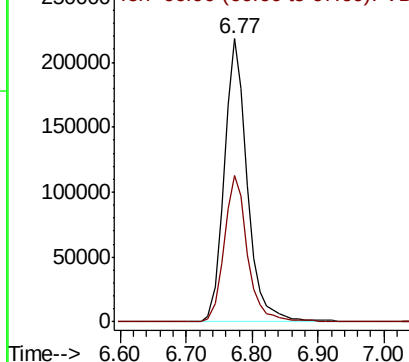
Ion Ratio Lower Upper

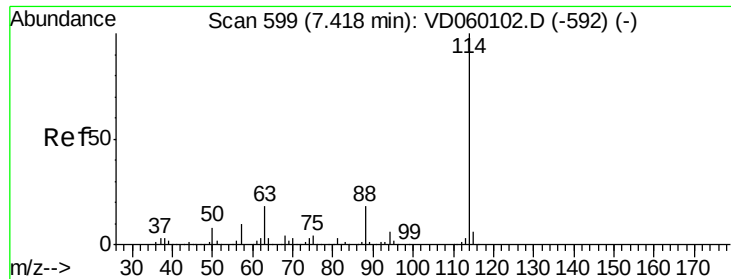
65 100

67 51.6 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: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

BSS-UST-1A

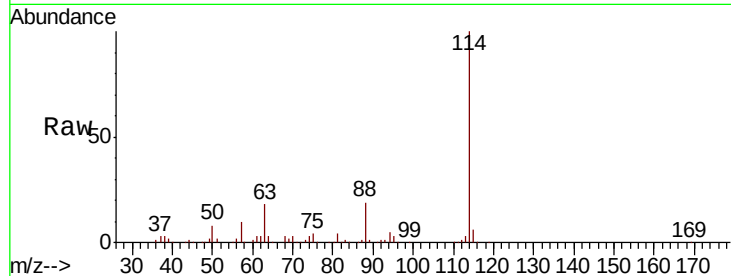
Tot Ion:114 Resp: 1832780

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.0

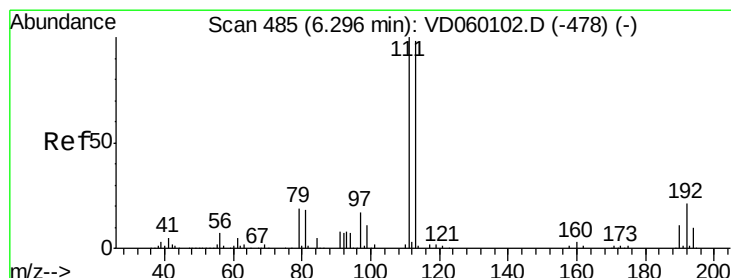
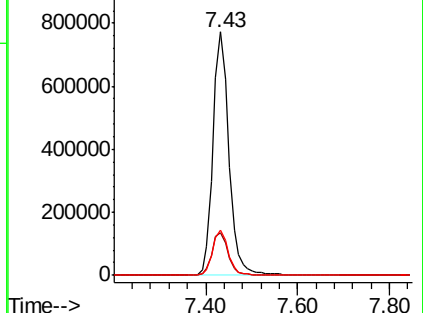
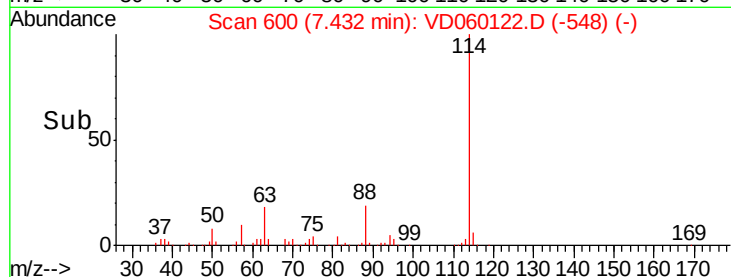
88 18.7 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

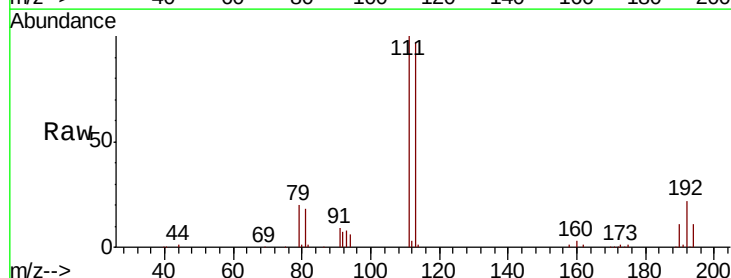
Tgt Ion:113 Resp: 718863

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

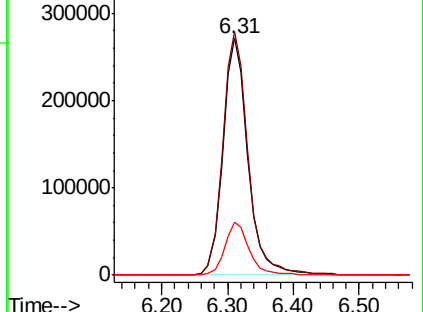
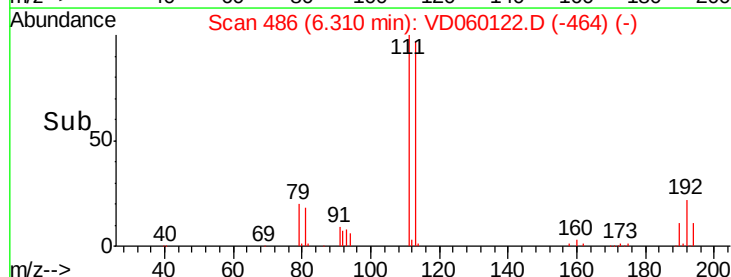
192 22.4 17.4 26.0

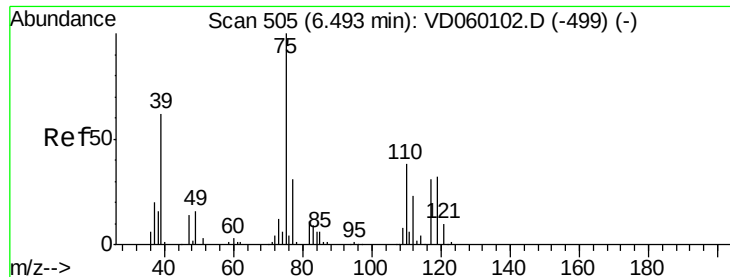


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

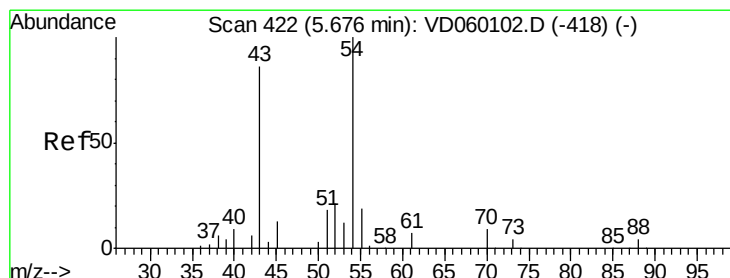
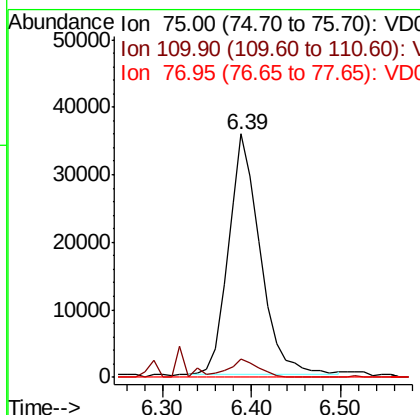
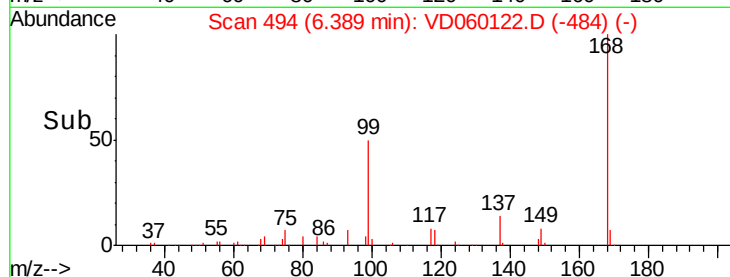
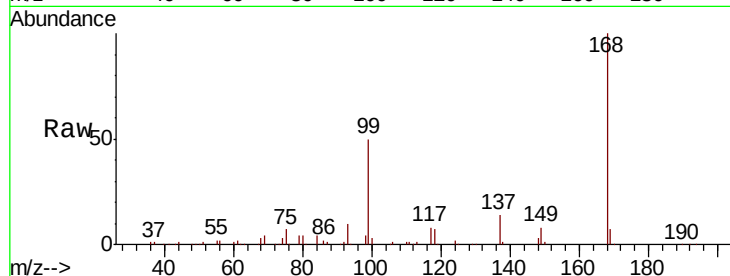




#36
 1,1-Dichloropropene
 Concen: 5.042 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.10 min
 Lab File: VD060122.D
 Acq: 3 Oct 2018 17:09

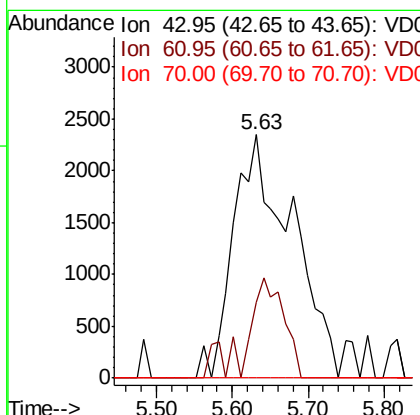
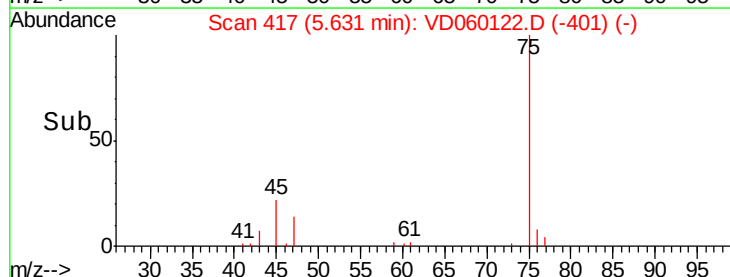
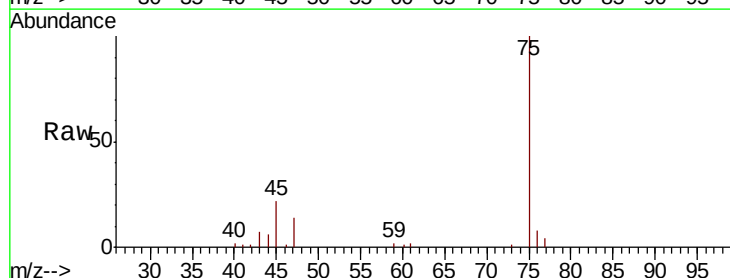
Instrument :
 MSVOA_D
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 BSS-UST-1A

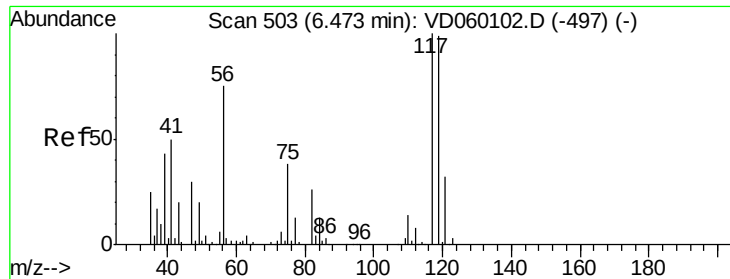
Tot Ion: 75 Resp: 88308
 Ion Ratio Lower Upper
 75 100
 110 7.5 19.0 57.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.083 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.04 min
 Lab File: VD060122.D
 Acq: 3 Oct 2018 17:09

Tgt Ion: 43 Resp: 12595
 Ion Ratio Lower Upper
 43 100
 61 31.2 10.5 15.7#
 70 0.0 6.3 9.5#

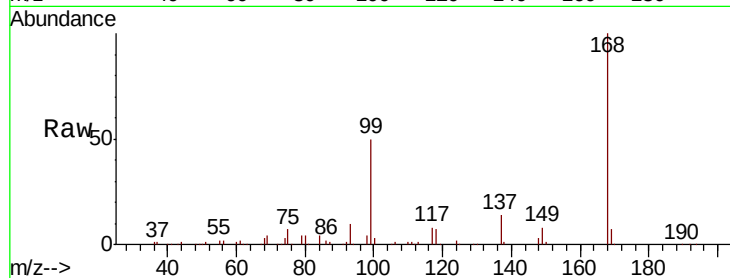




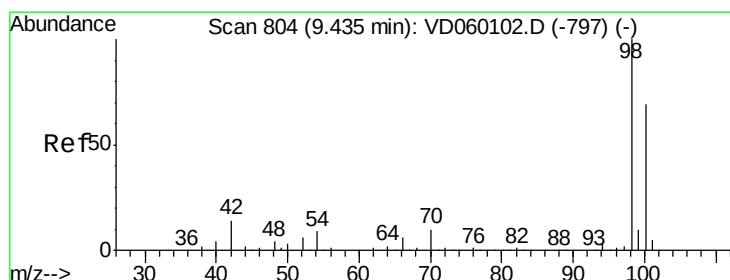
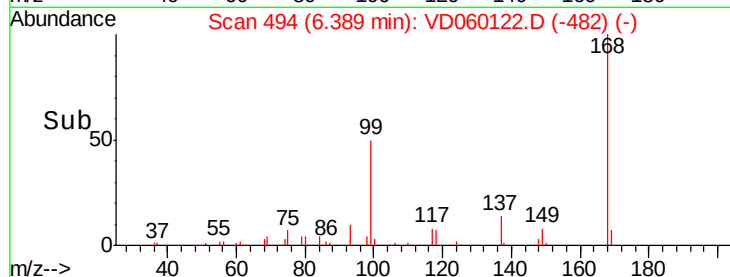
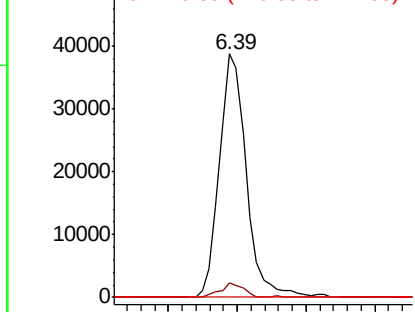
#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.08 min
Lab File: VD060122.D
Acq: 3 Oct 2018 17:09

Instrument :
MSVOA_D
ClientSampleId :
BSS-UST-1A

Tot Ion:117 Resp: 105228
Ion Ratio Lower Upper
117 100
119 6.1 77.8 116.6#
121 0.0 24.8 37.2#

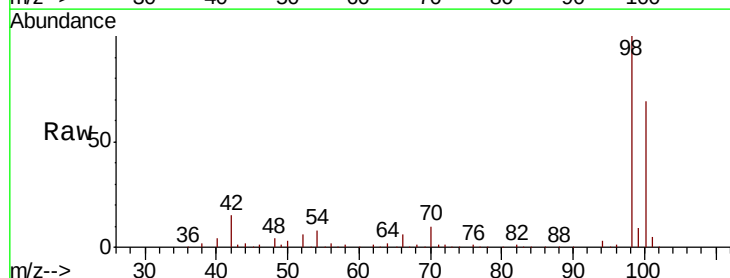


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

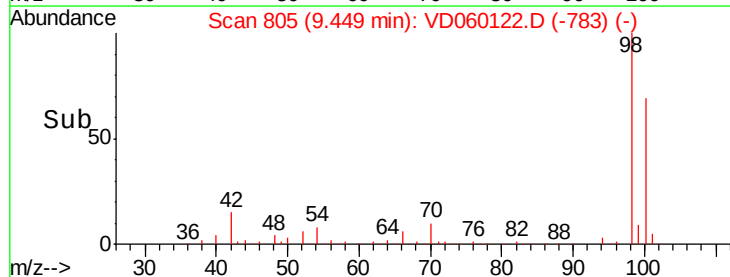
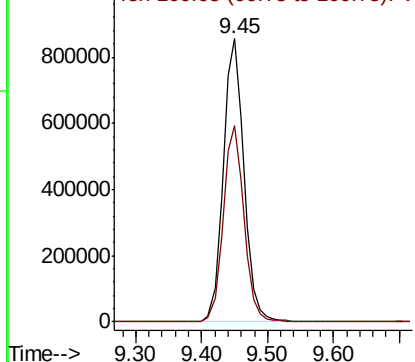


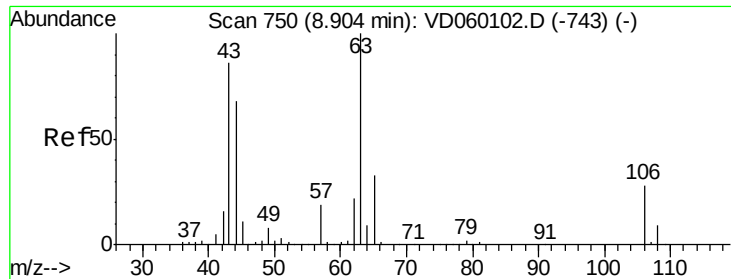
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060122.D
Acq: 3 Oct 2018 17:09

Tgt Ion: 98 Resp: 1881133
Ion Ratio Lower Upper
98 100
100 69.3 55.4 83.0



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





#58

2-Chloroethyl Vinyl ether

Concen: 2.043 ug/l

RT: 8.91 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

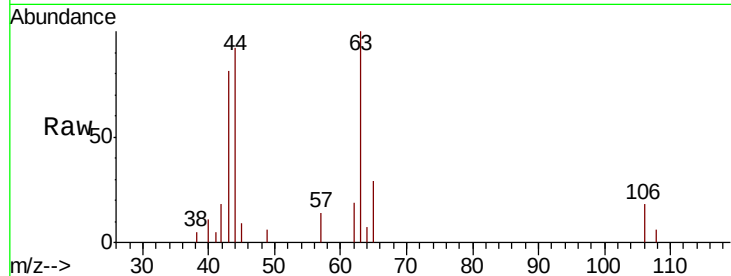
BSS-UST-1A

Tot Ion: 63 Resp: 12083

Ion Ratio Lower Upper

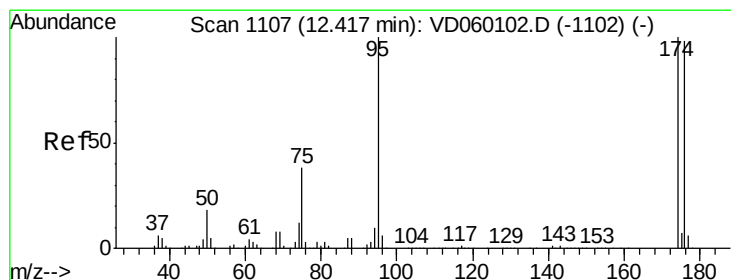
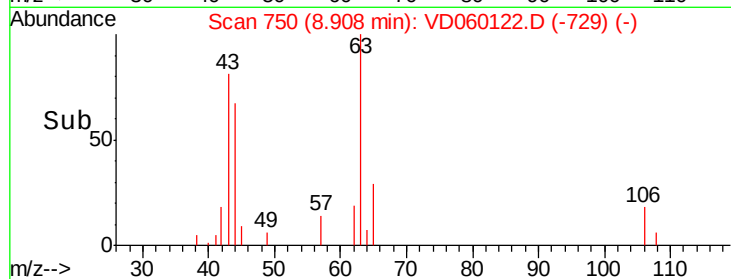
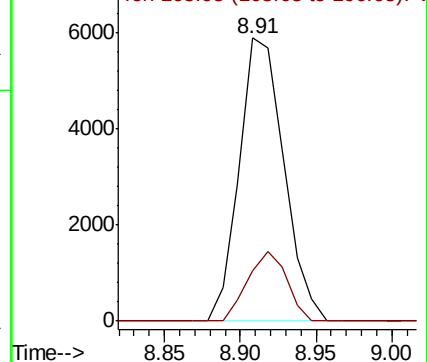
63 100

106 17.9 22.6 34.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

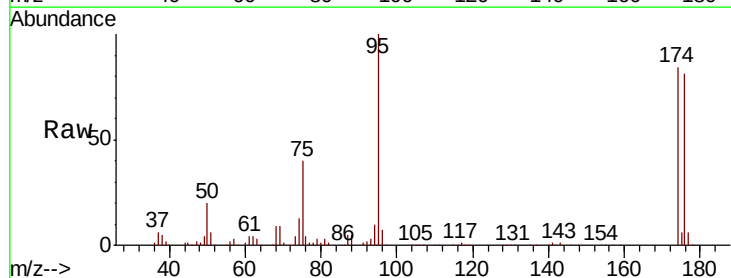
Tgt Ion: 95 Resp: 754521

Ion Ratio Lower Upper

95 100

174 84.1 0.0 200.2

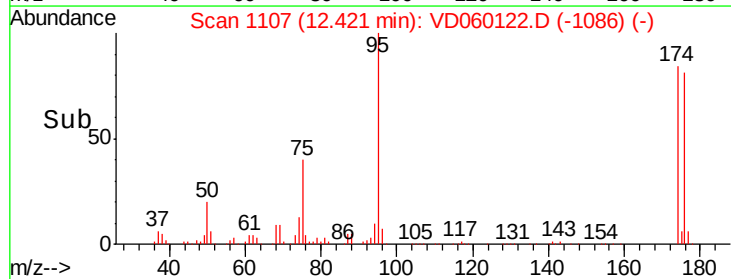
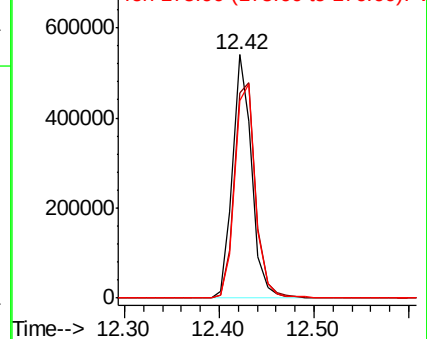
176 81.4 0.0 195.6

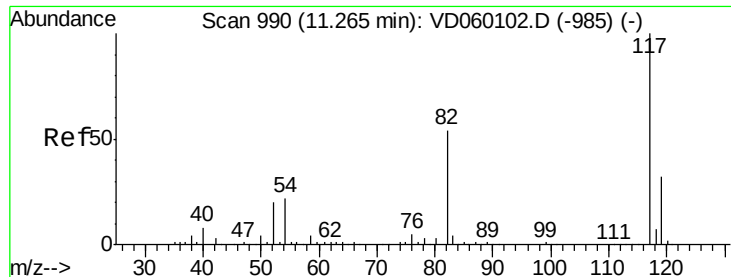


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

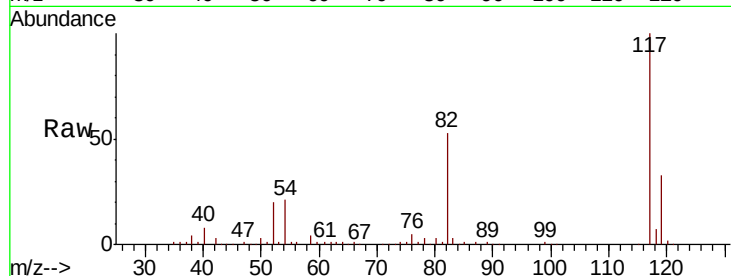




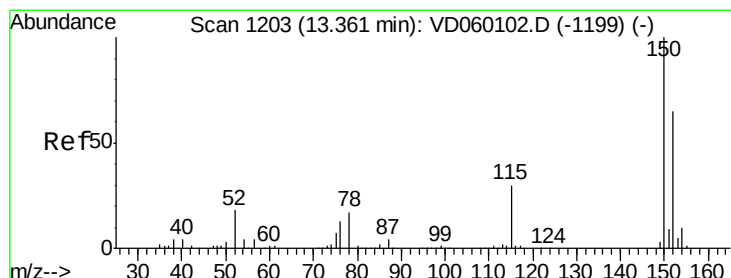
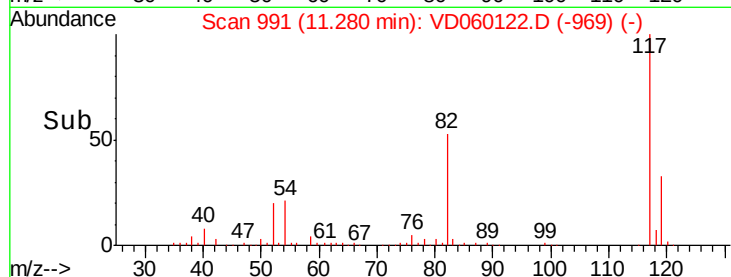
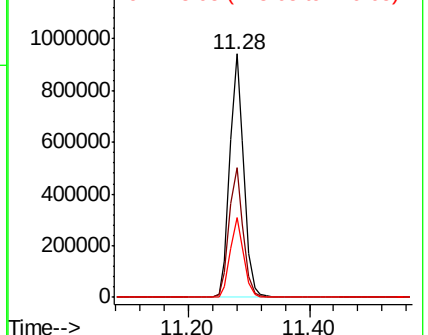
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060122.D
Acq: 3 Oct 2018 17:09

Instrument :
MSVOA_D
ClientSampleId :
BSS-UST-1A

Tot Ion:117 Resp: 1505517
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 32.9 26.0 39.0

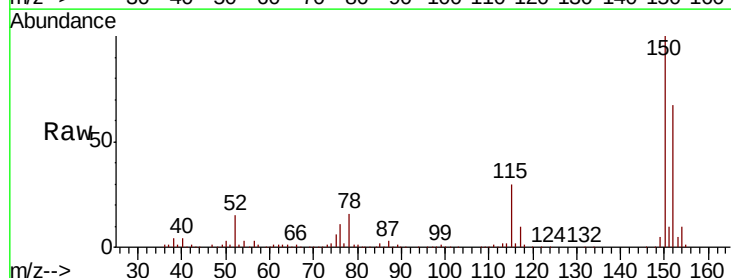


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

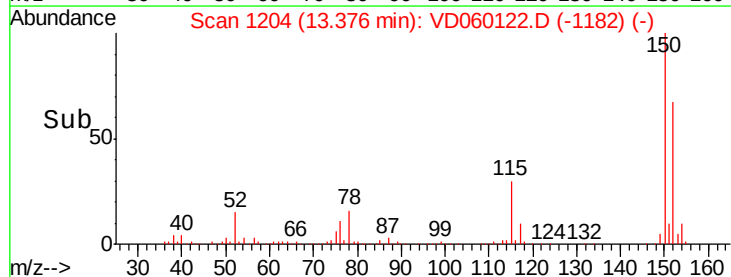
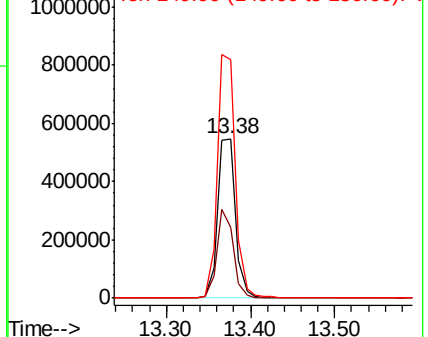


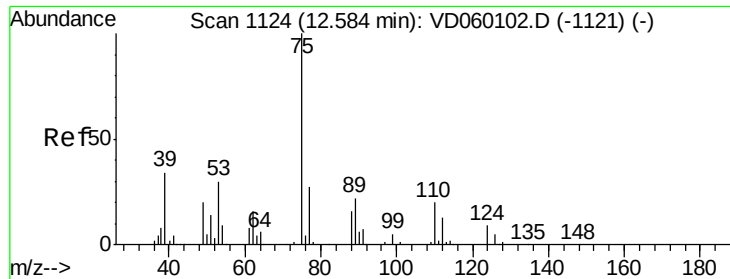
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060122.D
Acq: 3 Oct 2018 17:09

Tgt Ion:152 Resp: 808285
Ion Ratio Lower Upper
152 100
115 44.7 27.1 81.2
150 149.6 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: 25.508 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

Instrument :

MSVOA_D

ClientSampleId :

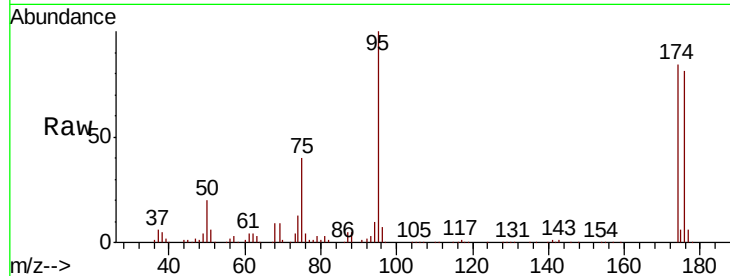
BSS-UST-1A

Tot Ion: 75 Resp: 296918

Ion Ratio Lower Upper

75 100

77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.42

200000

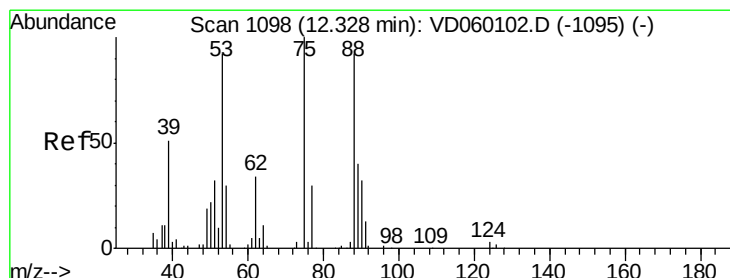
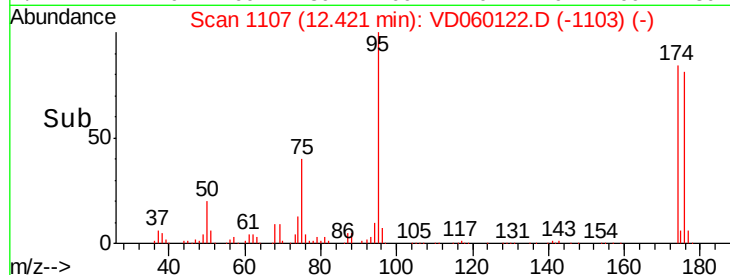
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 92.756 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060122.D

Acq: 3 Oct 2018 17:09

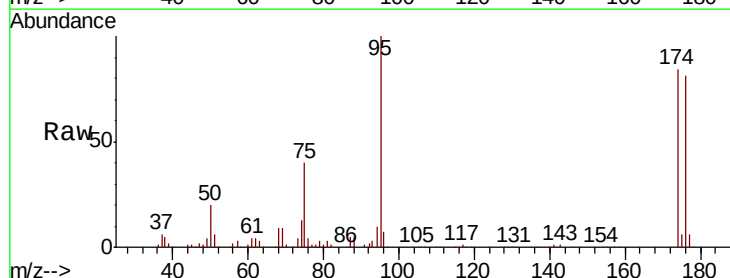
Tgt Ion: 75 Resp: 303384

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

12.42

300000

250000

200000

150000

100000

50000

0

Time-->

