

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060314.D
 Acq On : 9 Nov 2018 16:09
 Operator : VA/AP
 Sample : J5269-13
 Misc : 4.24g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-S

Quant Time: Nov 12 01:35:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1386680	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1916438	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1562386	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	778931	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	552586	55.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.30%	
35) Dibromofluoromethane	6.32	113	773604	54.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	9.46	98	2162021	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.43	95	757892	50.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.02%	

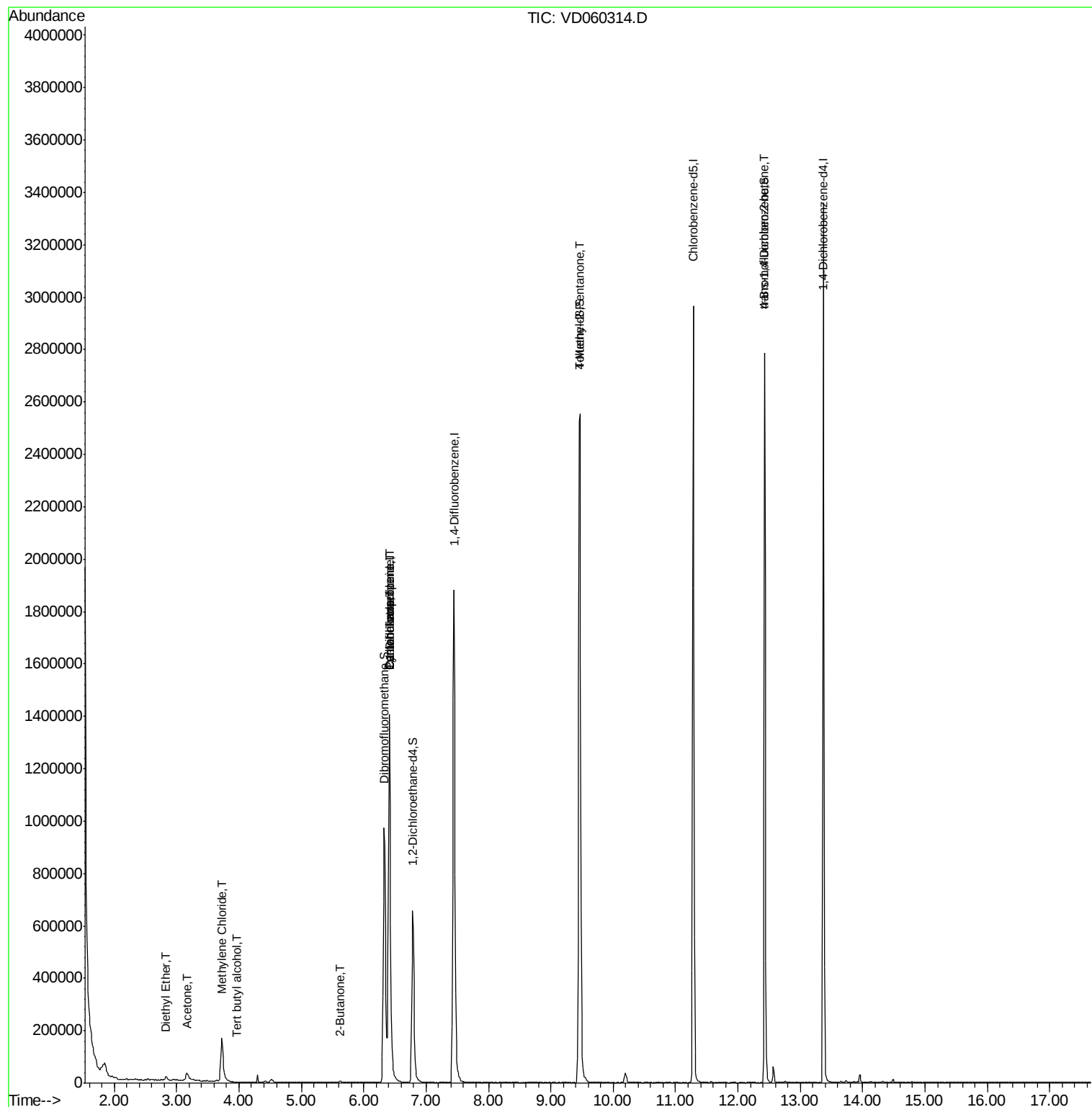
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	548	Below Cal	#	41
8) Diethyl Ether	2.83	74	4146	1.811	ug/l	90
11) Tert butyl alcohol	3.97	59	779	1.911	ug/l #	70
16) Acetone	3.17	43	66184	38.428	ug/l	95
20) Methylene Chloride	3.73	84	107744	7.052	ug/l	99
25) 2-Butanone	5.63	43	9821	2.743	ug/l	95
31) Cyclohexane	6.40	56	26285	1.109	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	98145	5.184	ug/l #	46
38) Carbon Tetrachloride	6.41	117	108191	6.160	ug/l #	16
51) 4-Methyl-2-Pentanone	9.45	43	13594	1.908	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	318023	119.883	ug/l #	15
89) n-Butylbenzene	13.65	91	1525	Below Cal	#	67

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

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SB-13-S

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

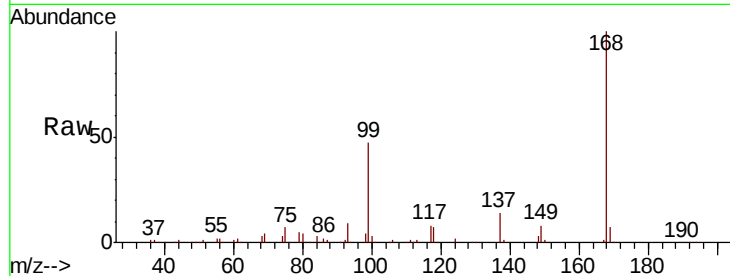
SB-13-S

Tgt Ion:168 Resp: 1386680

Ion Ratio Lower Upper

168 100

99 47.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

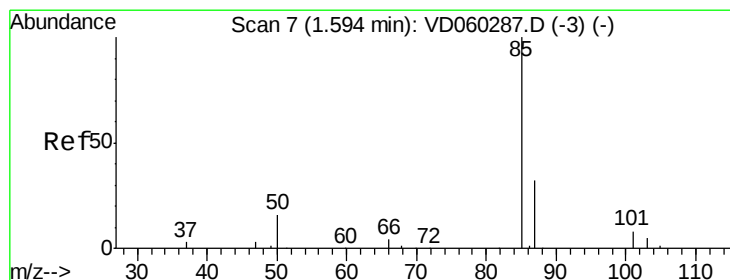
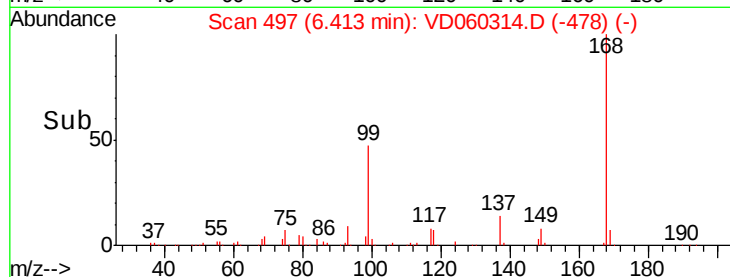
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060314.D

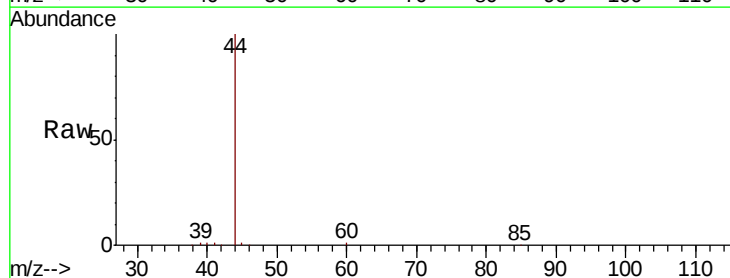
Acq: 9 Nov 2018 16:09

Tgt Ion: 85 Resp: 548

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

600

500

400

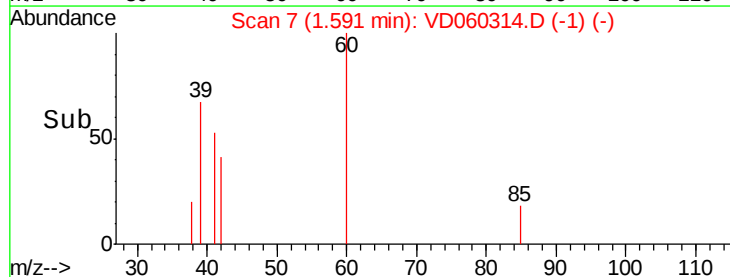
300

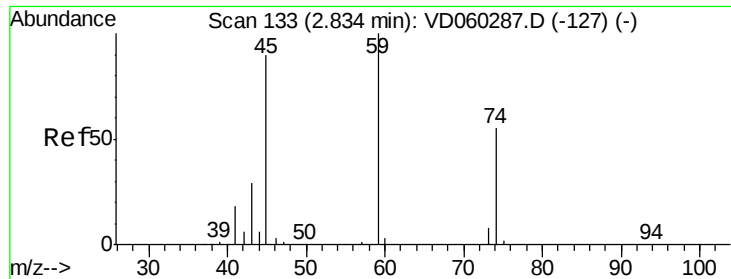
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.811 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

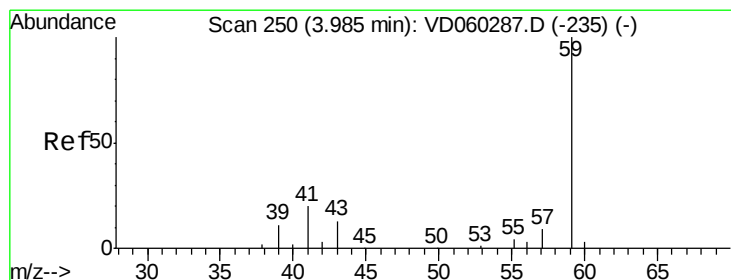
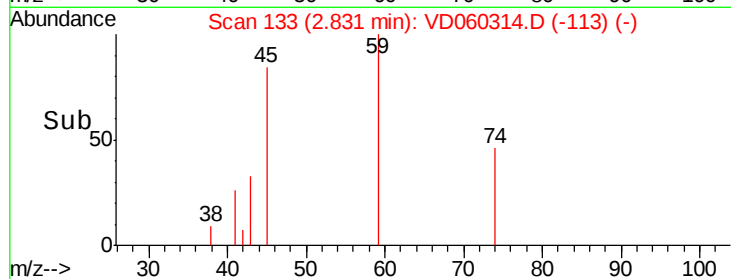
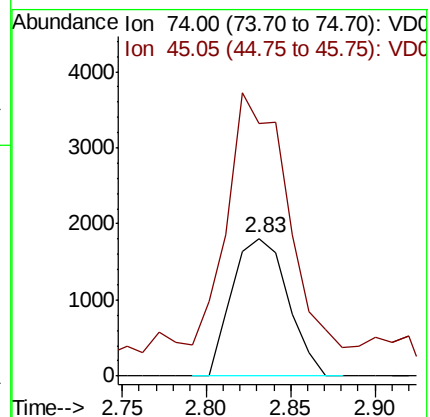
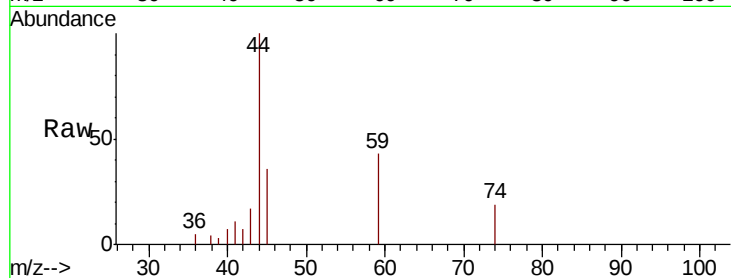
SB-13-S

Tgt Ion: 74 Resp: 4146

Ion Ratio Lower Upper

74 100

45 183.2 84.8 254.4



#11

Tert butyl alcohol

Concen: 1.911 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060314.D

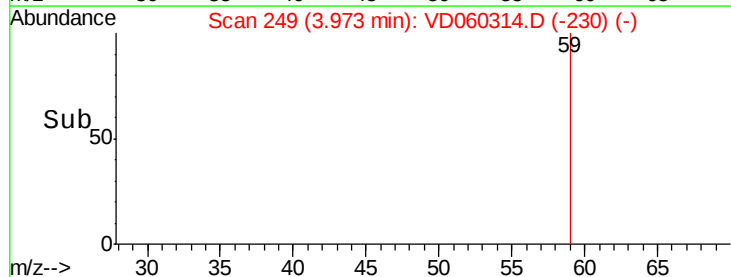
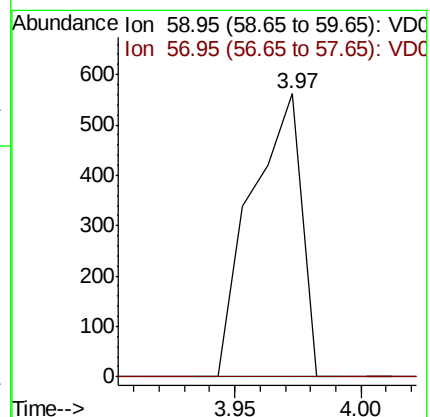
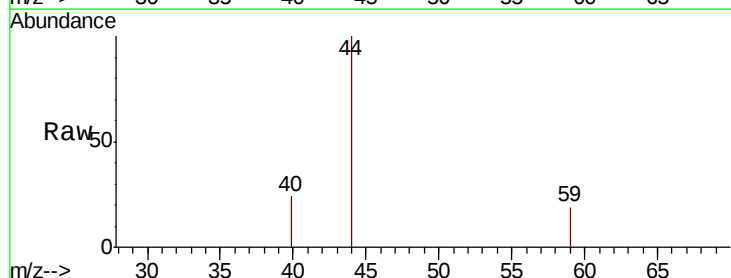
Acq: 9 Nov 2018 16:09

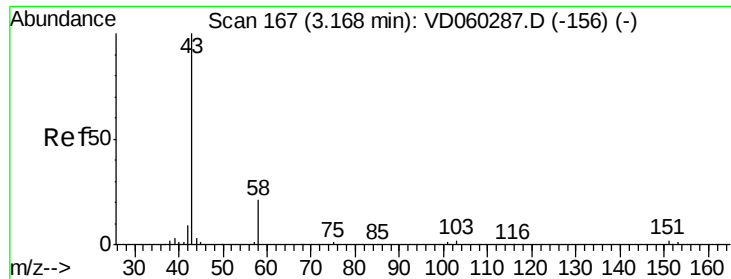
Tgt Ion: 59 Resp: 779

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#





#16

Acetone

Concen: 38.428 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

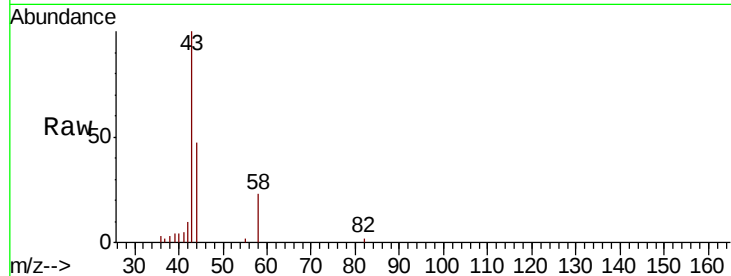
SB-13-S

Tgt Ion: 43 Resp: 66184

Ion Ratio Lower Upper

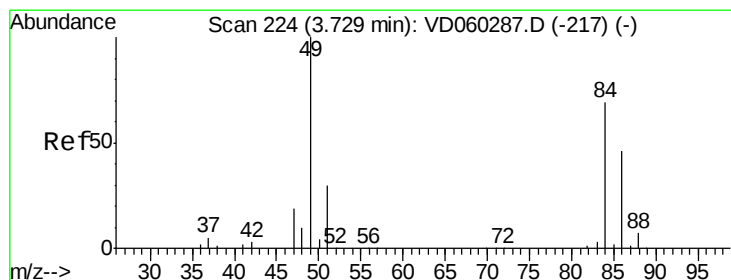
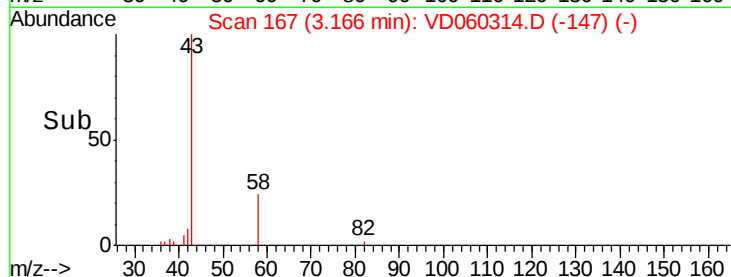
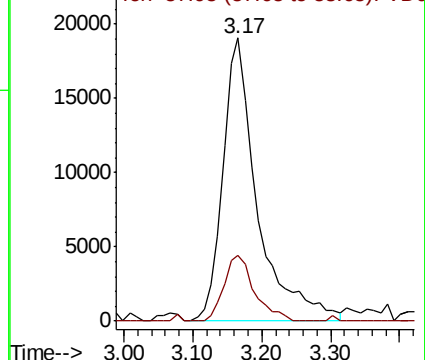
43 100

58 23.3 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 7.052 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Tgt Ion: 84 Resp: 107744

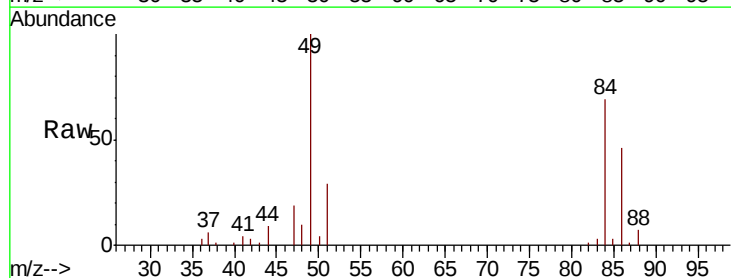
Ion Ratio Lower Upper

84 100

49 143.9 115.6 173.4

51 41.6 35.6 53.4

86 66.7 52.3 78.5

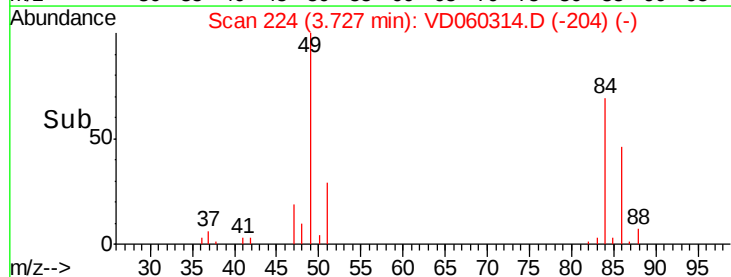
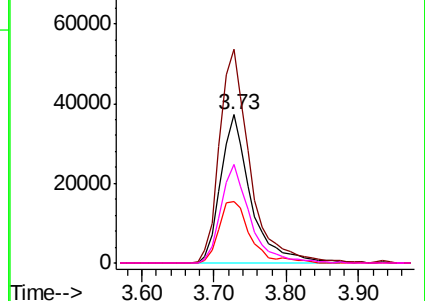


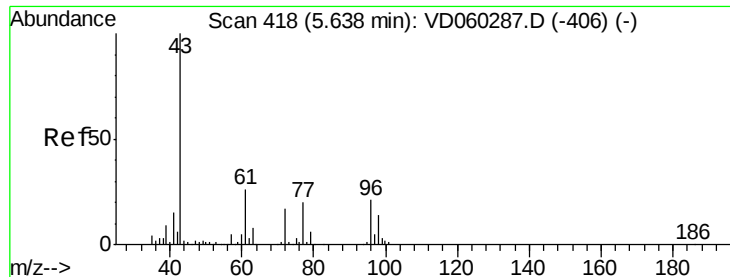
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.743 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

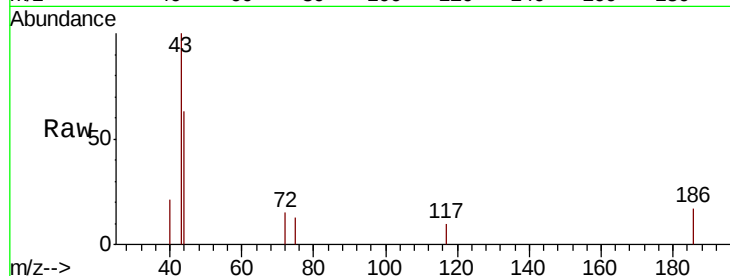
SB-13-S

Tgt Ion: 43 Resp: 9821

Ion Ratio Lower Upper

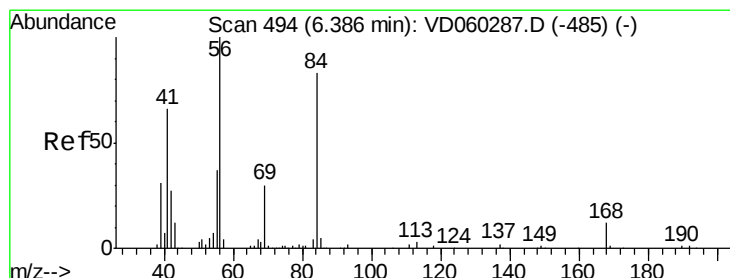
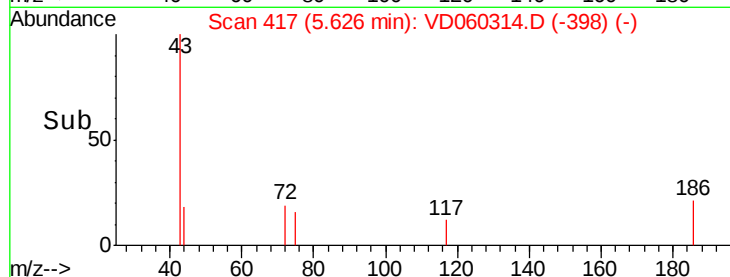
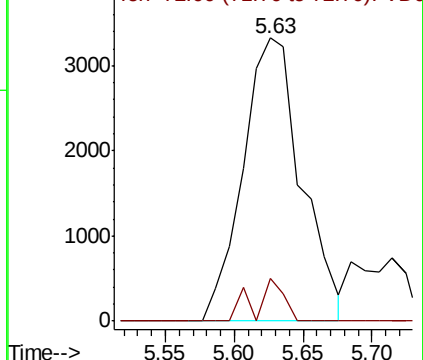
43 100

72 15.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

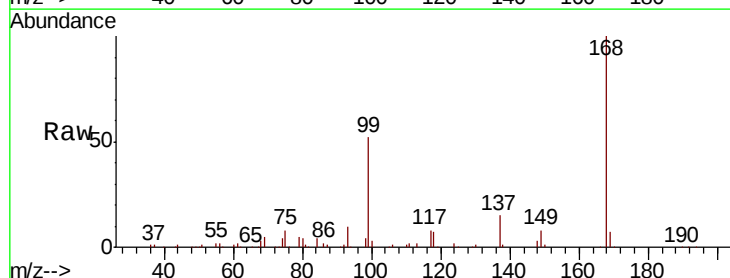
Tgt Ion: 56 Resp: 26285

Ion Ratio Lower Upper

56 100

69 229.2 22.2 33.2#

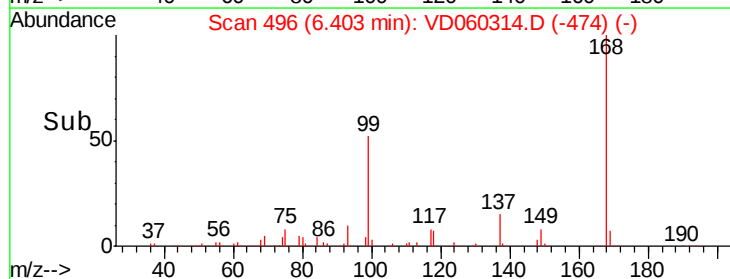
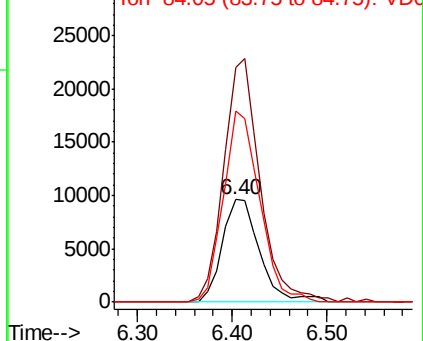
84 186.3 63.0 94.4#

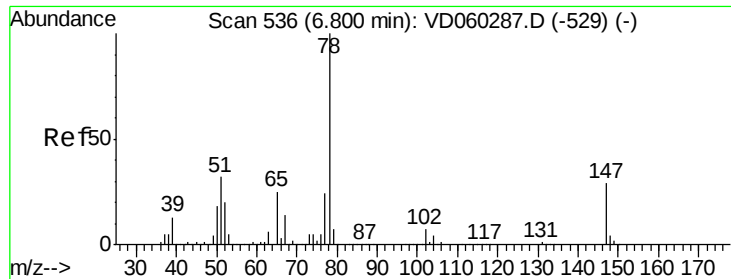


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

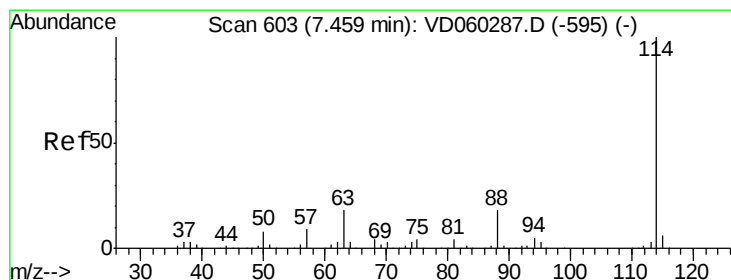
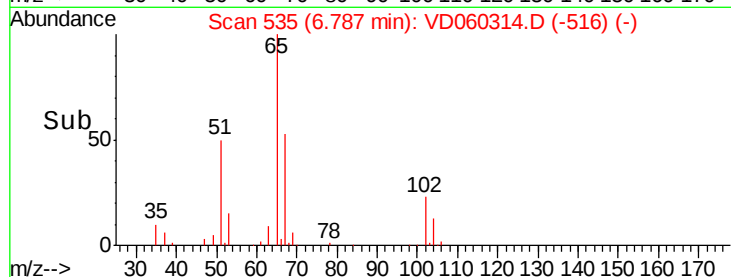
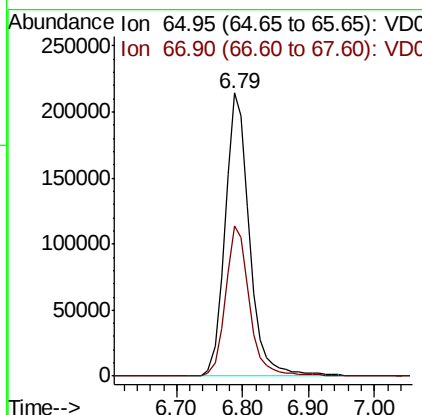
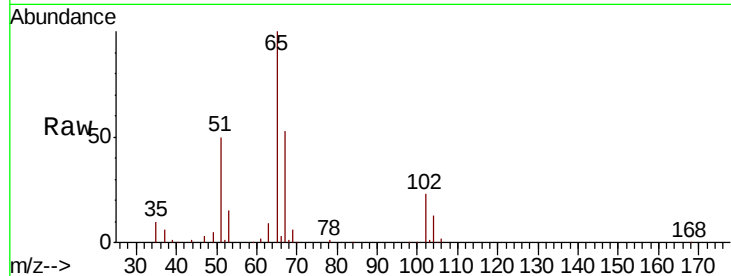




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060314.D
 Acq: 9 Nov 2018 16:09

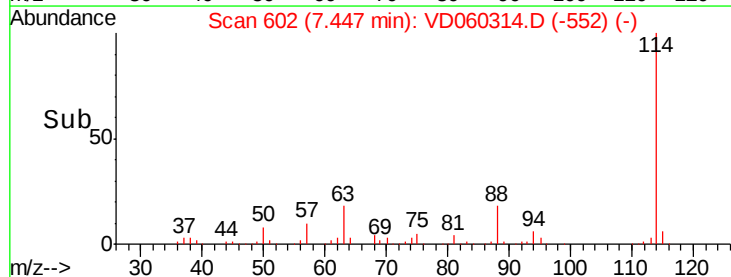
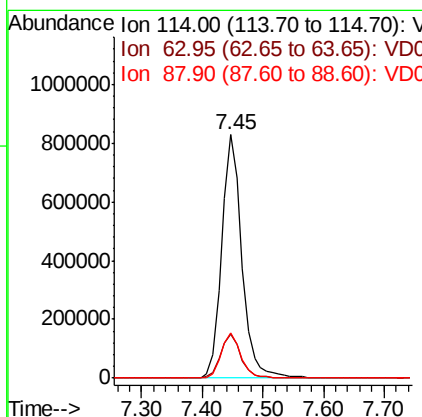
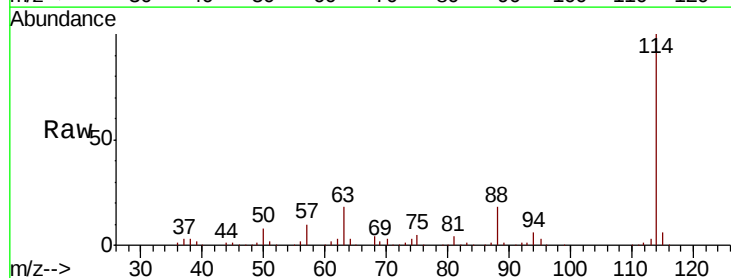
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-S

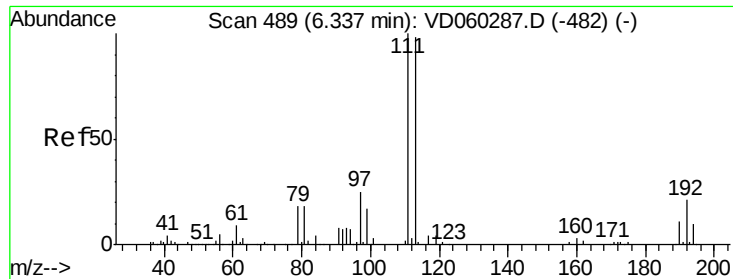
Tgt Ion: 65 Resp: 552586
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060314.D
 Acq: 9 Nov 2018 16:09

Tgt Ion: 114 Resp: 1916438
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.0
 88 18.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

SB-13-S

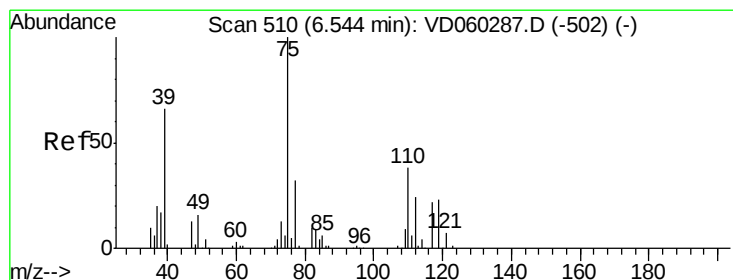
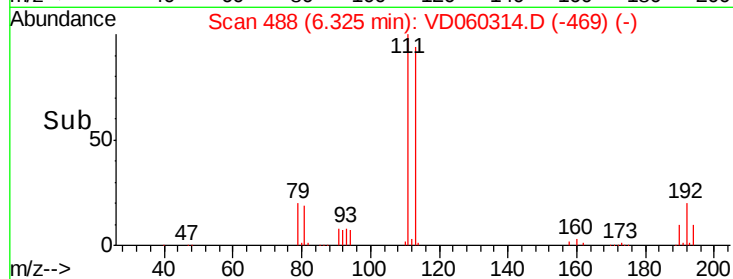
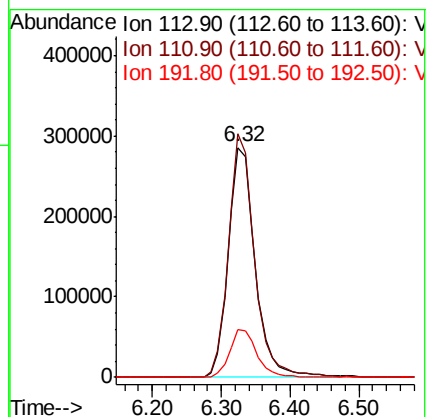
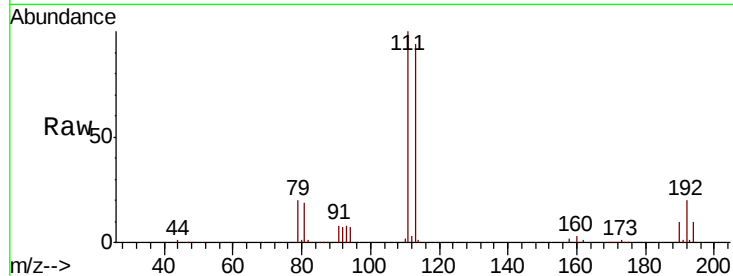
Tgt Ion:113 Resp: 773604

Ion Ratio Lower Upper

113 100

111 105.9 81.6 122.4

192 20.9 16.5 24.7



#36

1,1-Dichloropropene

Concen: 5.184 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

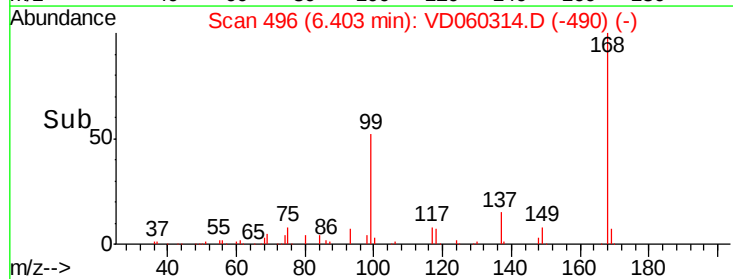
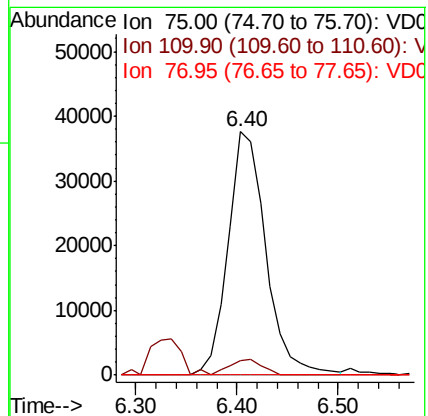
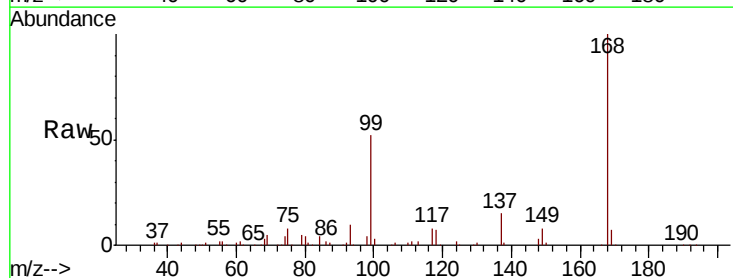
Tgt Ion: 75 Resp: 98145

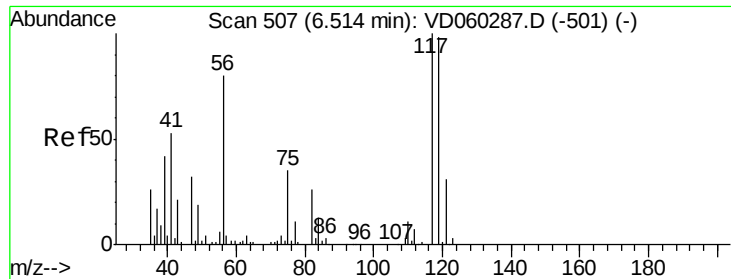
Ion Ratio Lower Upper

75 100

110 6.2 18.0 54.0#

77 0.0 25.6 38.4#

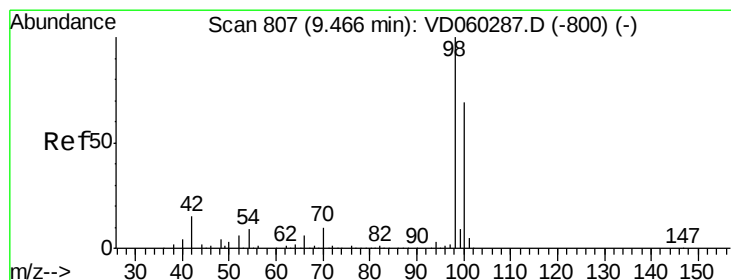
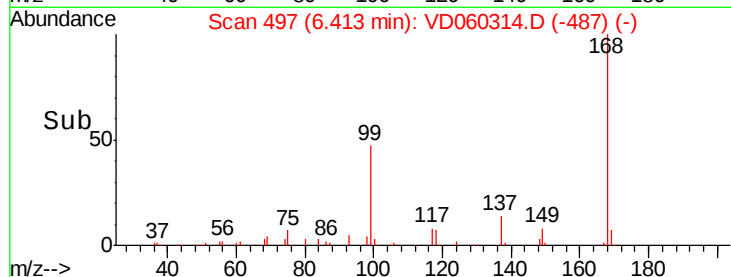
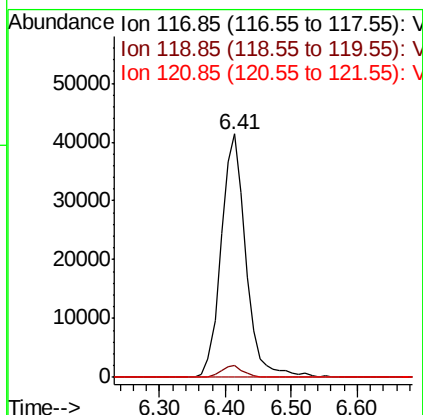
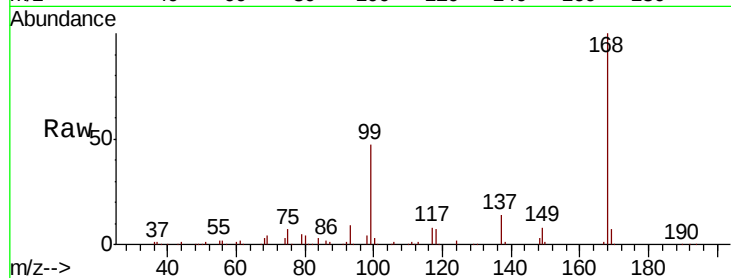




#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060314.D
Acq: 9 Nov 2018 16:09

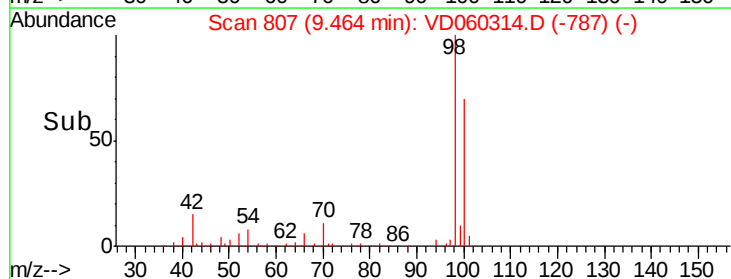
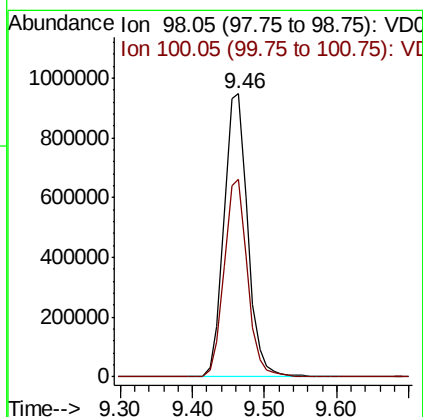
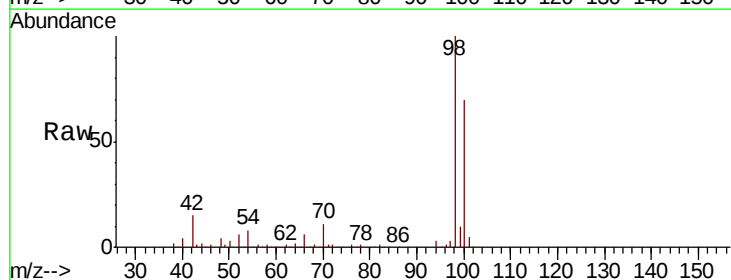
Instrument :
MSVOA_D
ClientSampled :
SB-13-S

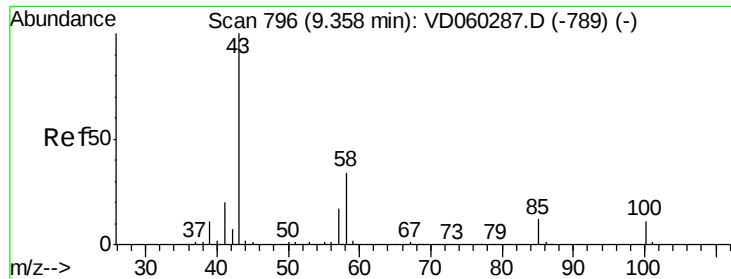
Tgt Ion:117 Resp: 108191
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060314.D
Acq: 9 Nov 2018 16:09

Tgt Ion: 98 Resp: 2162021
Ion Ratio Lower Upper
98 100
100 69.7 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.908 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

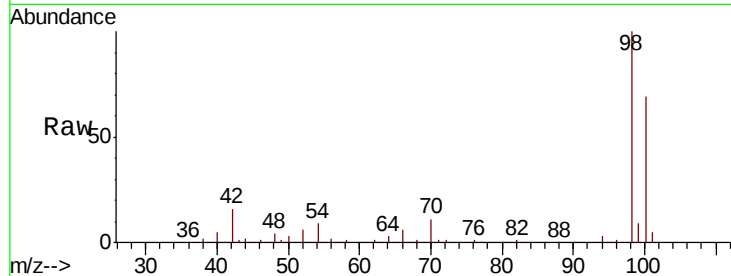
SB-13-S

Tgt Ion: 43 Resp: 13594

Ion Ratio Lower Upper

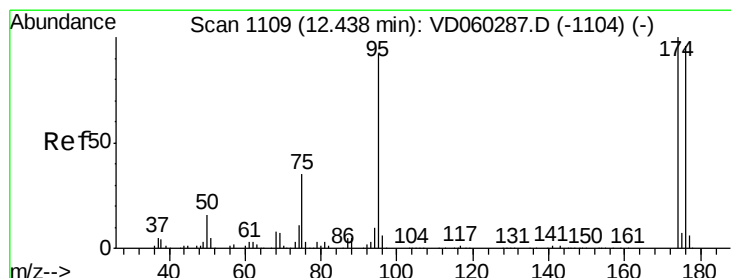
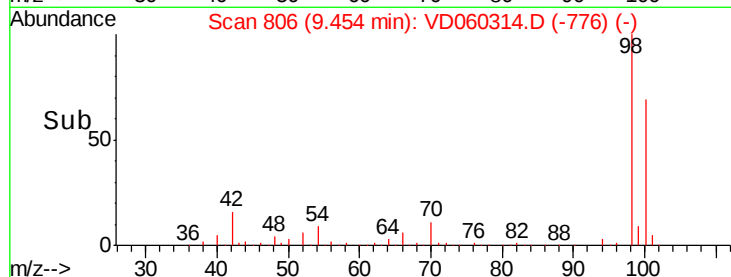
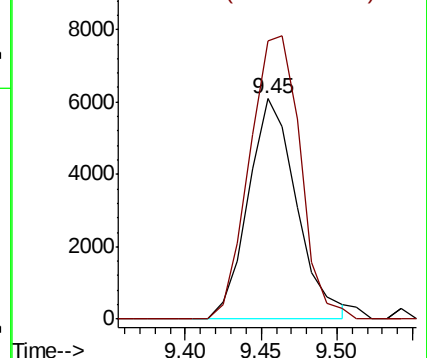
43 100

58 126.2 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

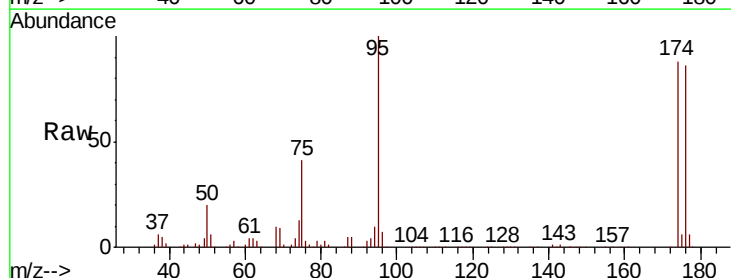
Tgt Ion: 95 Resp: 757892

Ion Ratio Lower Upper

95 100

174 88.3 0.0 160.8

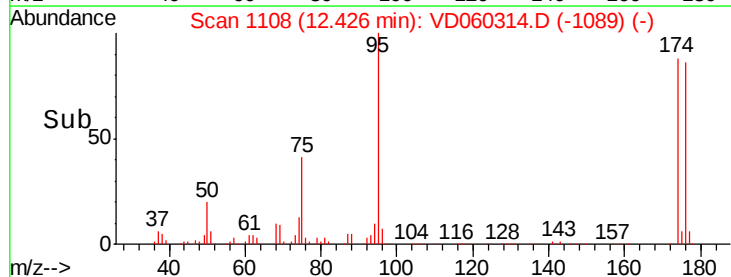
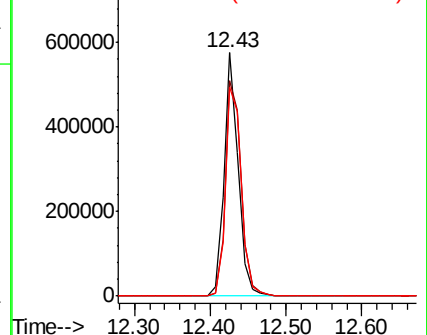
176 86.0 0.0 154.6

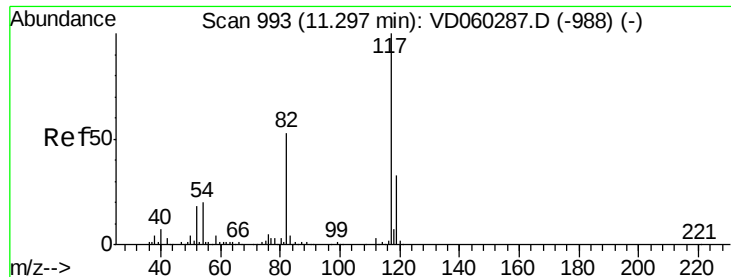


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

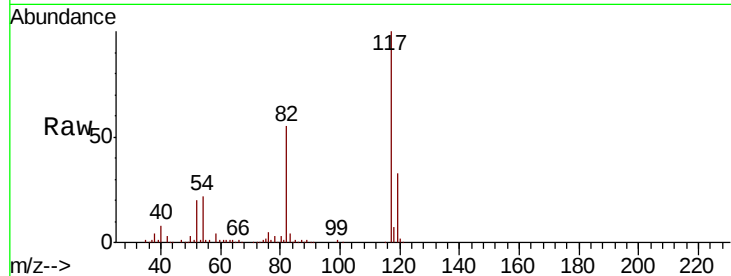




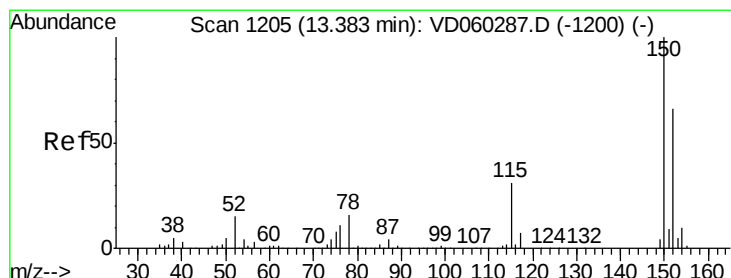
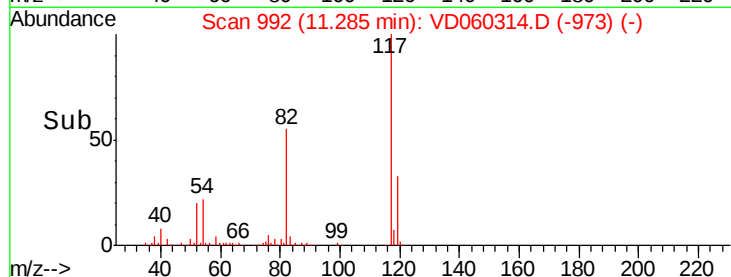
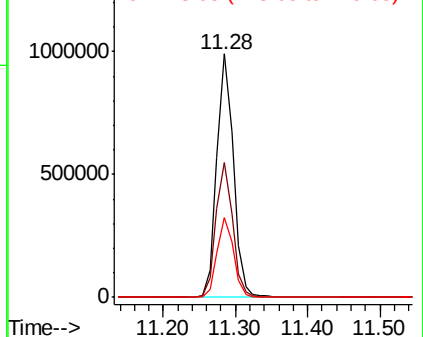
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060314.D
Acq: 9 Nov 2018 16:09

Instrument :
MSVOA_D
ClientSampleID :
SB-13-S

Tgt Ion:117 Resp: 1562386
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.9 26.1 39.1

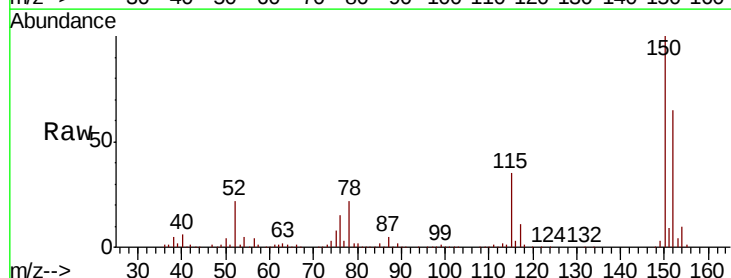


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

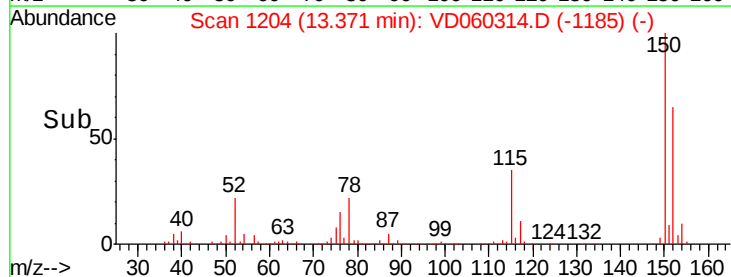
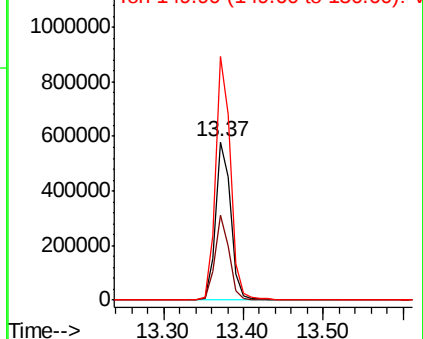


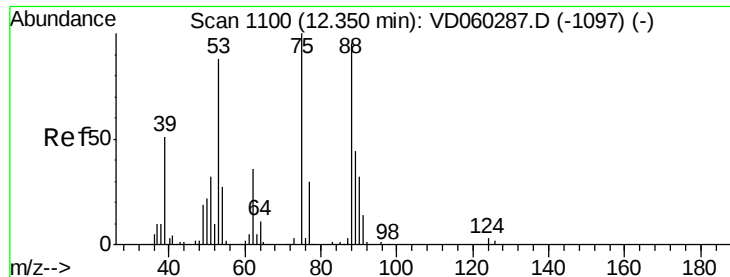
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060314.D
Acq: 9 Nov 2018 16:09

Tgt Ion:152 Resp: 778931
Ion Ratio Lower Upper
152 100
115 53.8 24.1 72.3
150 154.1 0.0 310.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 119.883 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060314.D

Acq: 9 Nov 2018 16:09

Instrument :

MSVOA_D

ClientSampleId :

SB-13-S

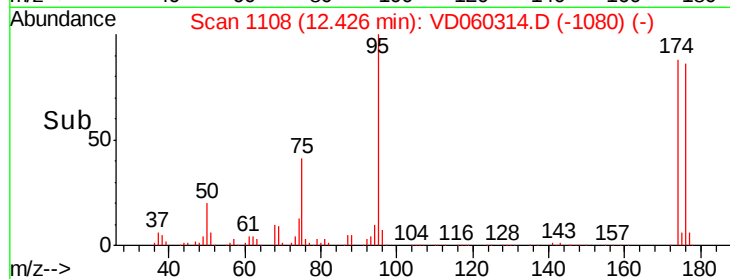
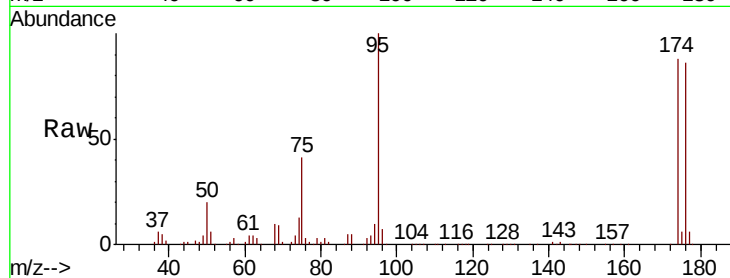
Tgt Ion: 75 Resp: 318023

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

