

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060316.D
 Acq On : 9 Nov 2018 17:06
 Operator : VA/AP
 Sample : J5269-21
 Misc : 6.25g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-14

Quant Time: Nov 12 01:35:44 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	1466410	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2055835	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1647526	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	864105	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	577524	55.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.00%	
35) Dibromofluoromethane	6.33	113	768456	50.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	9.47	98	2131504	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.43	95	791936	48.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.42%	

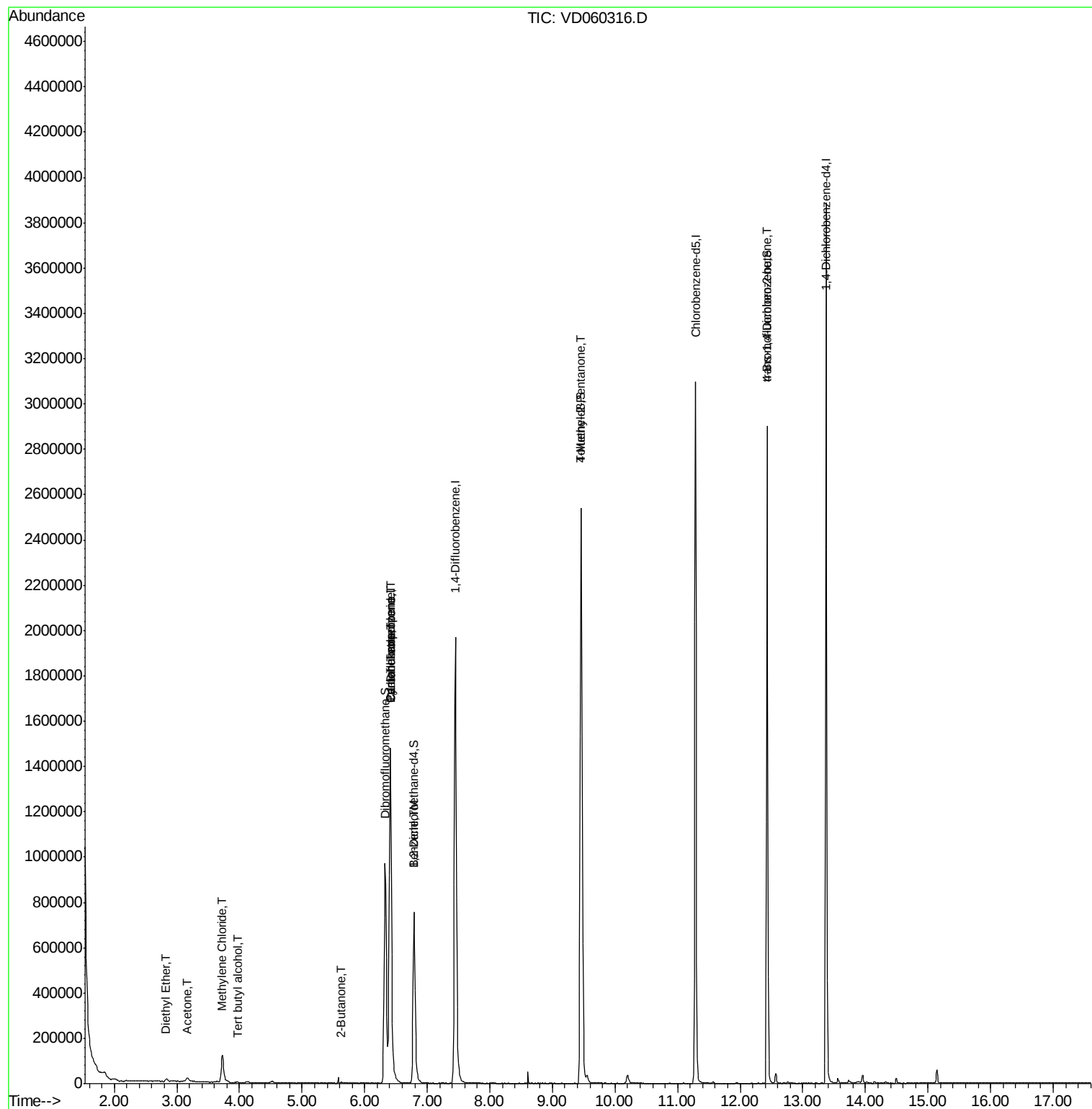
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	515	Below Cal	#	41
8) Diethyl Ether	2.83	74	4370	1.805	ug/l	97
11) Tert butyl alcohol	3.97	59	6064	14.064	ug/l #	70
16) Acetone	3.16	43	37829	20.770	ug/l	97
20) Methylene Chloride	3.73	84	78152	4.837	ug/l	98
25) 2-Butanone	5.63	43	7870	2.079	ug/l	98
31) Cyclohexane	6.40	56	27353	1.091	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	103060	5.074	ug/l #	47
38) Carbon Tetrachloride	6.41	117	115731	6.143	ug/l #	16
40) Benzene	6.80	78	80253	1.548	ug/l	99
51) 4-Methyl-2-Pentanone	9.46	43	11984	1.568	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	325938	110.756	ug/l #	15
89) n-Butylbenzene	13.65	91	1101	Below Cal	#	68

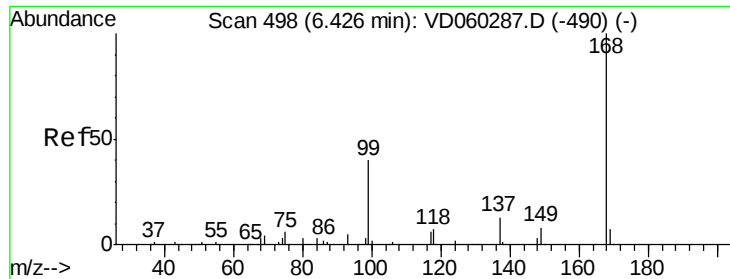
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
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: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

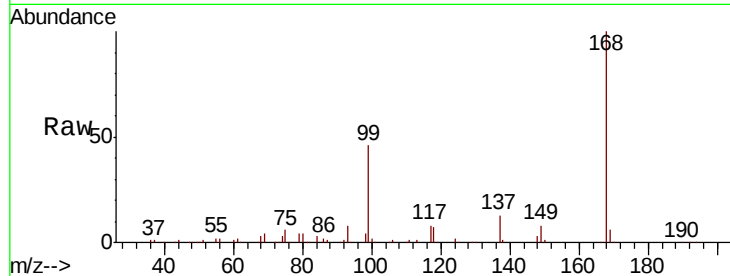
SB-14

Tgt Ion:168 Resp: 1466410

Ion Ratio Lower Upper

168 100

99 45.9 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

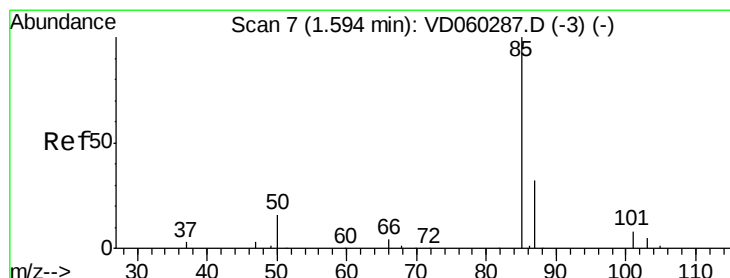
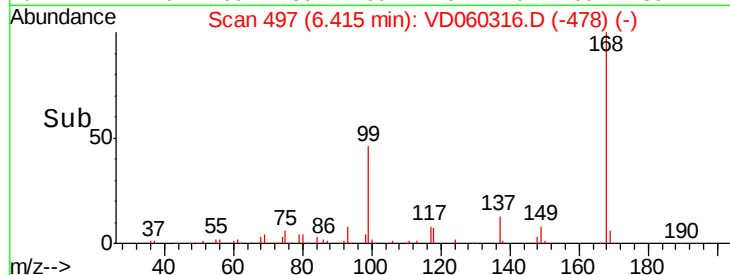
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060316.D

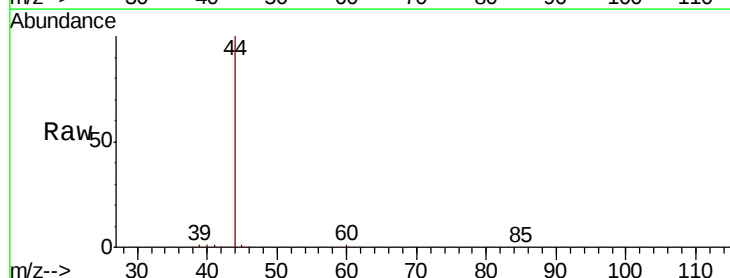
Acq: 9 Nov 2018 17:06

Tgt Ion: 85 Resp: 515

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

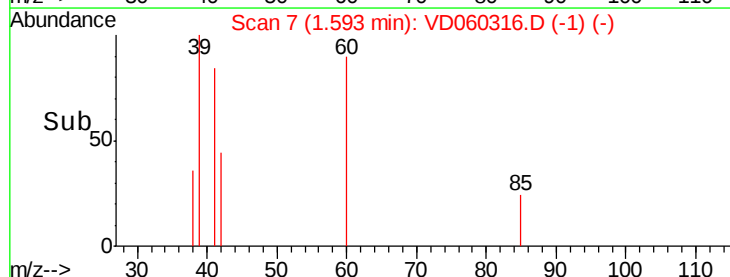
300

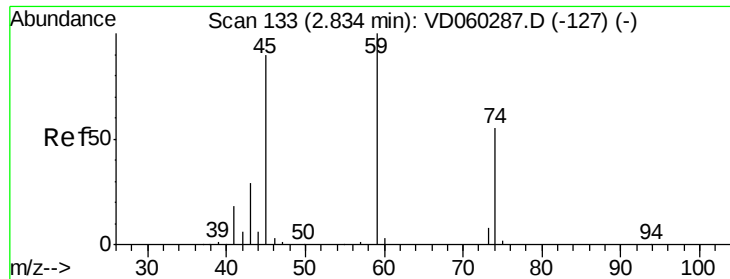
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.805 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampled :

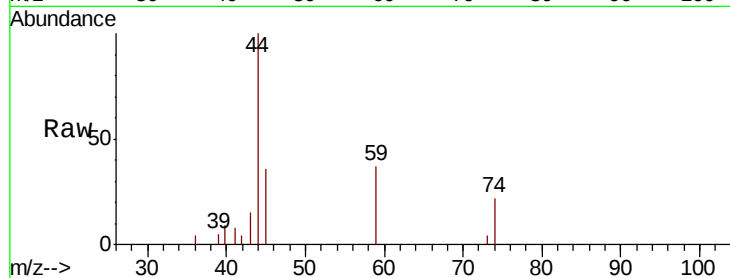
SB-14

Tgt Ion: 74 Resp: 4370

Ion Ratio Lower Upper

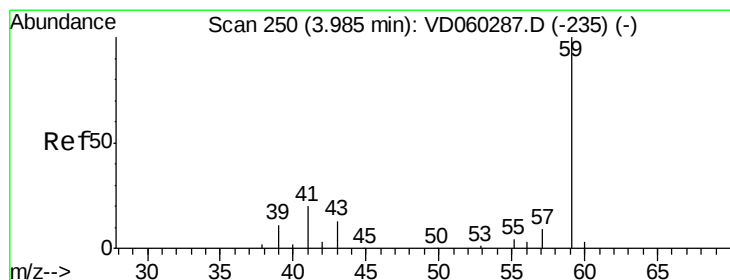
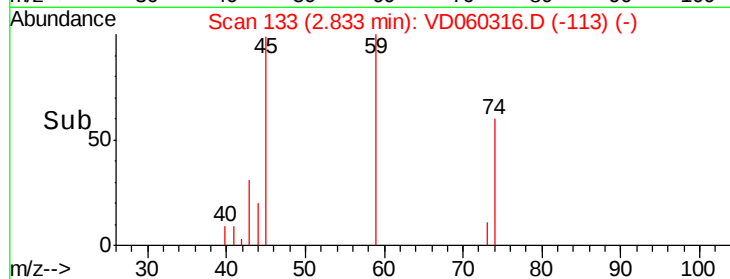
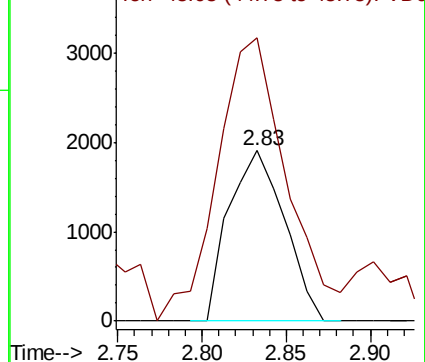
74 100

45 166.2 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 14.064 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060316.D

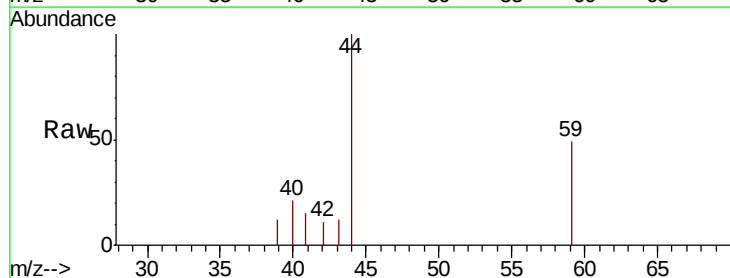
Acq: 9 Nov 2018 17:06

Tgt Ion: 59 Resp: 6064

Ion Ratio Lower Upper

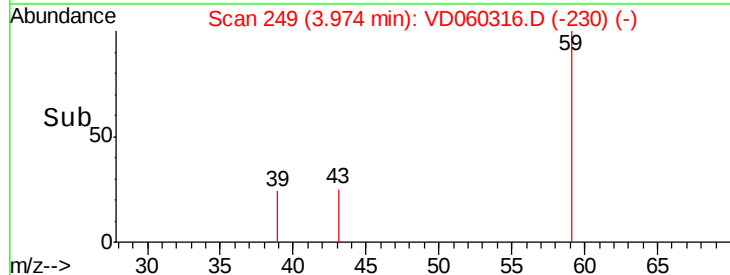
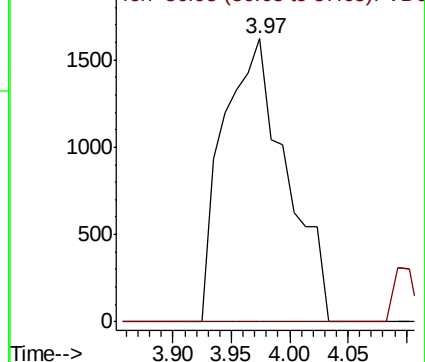
59 100

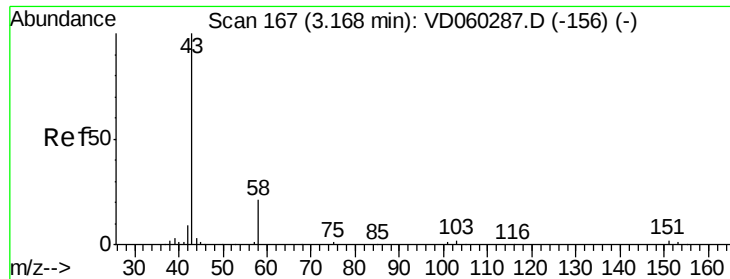
57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 20.770 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampled :

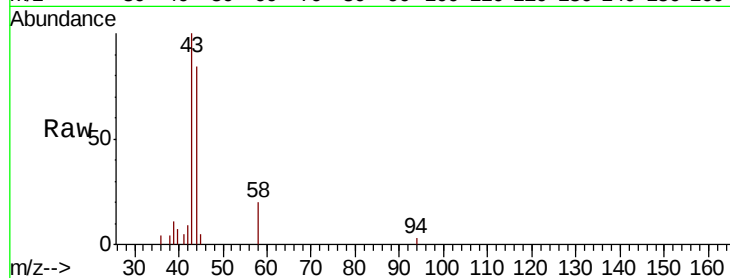
SB-14

Tgt Ion: 43 Resp: 37829

Ion Ratio Lower Upper

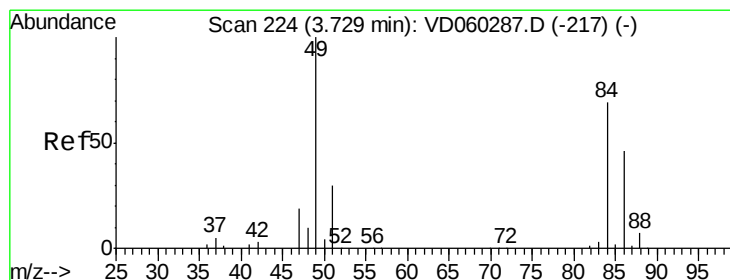
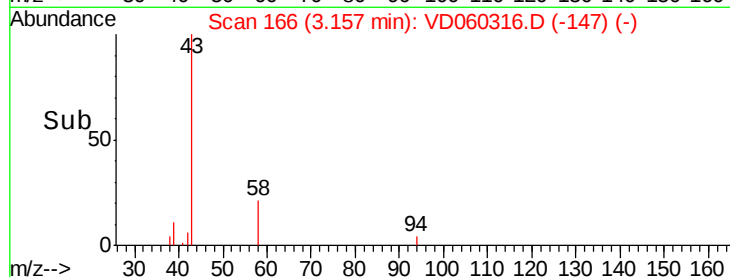
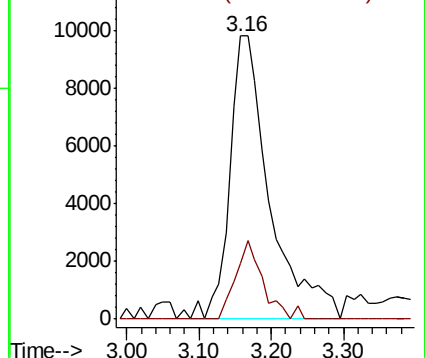
43 100

58 19.7 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: 4.837 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

Tgt Ion: 84 Resp: 78152

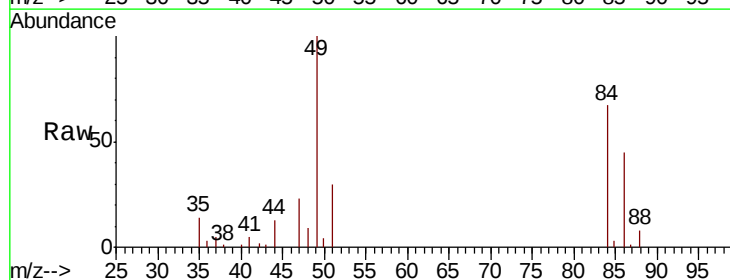
Ion Ratio Lower Upper

84 100

49 148.2 115.6 173.4

51 43.9 35.6 53.4

86 66.0 52.3 78.5

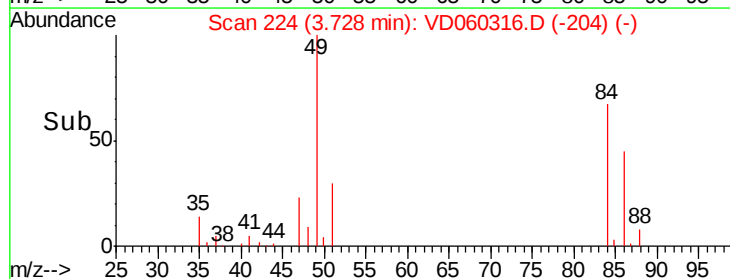
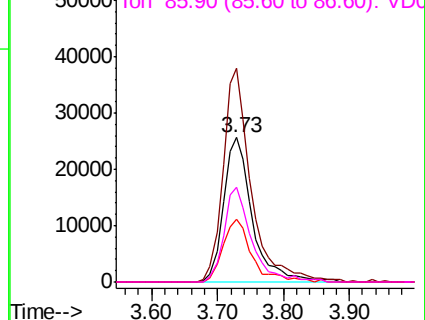


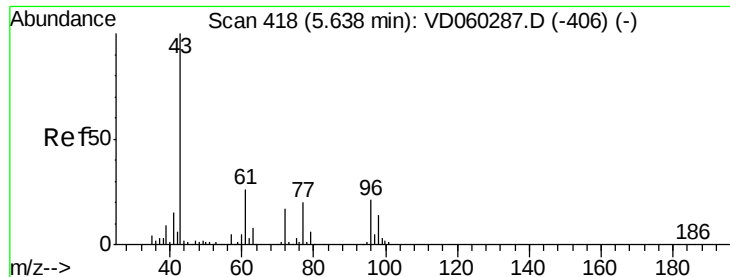
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.079 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

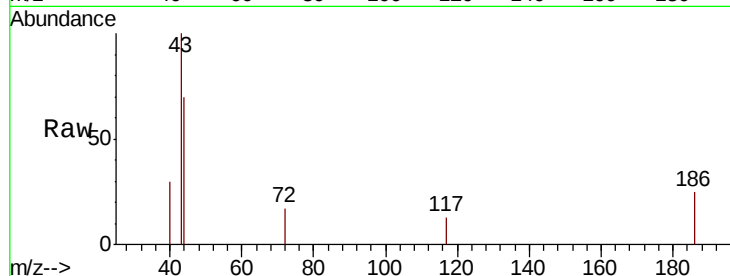
SB-14

Tgt Ion: 43 Resp: 7870

Ion Ratio Lower Upper

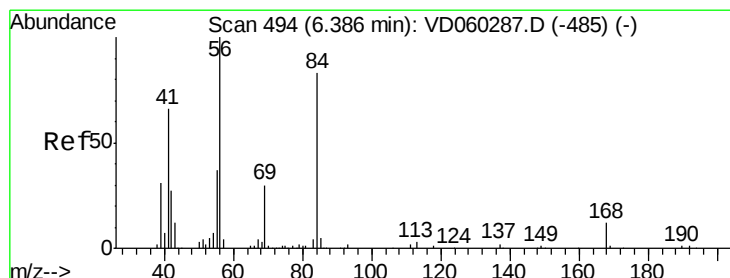
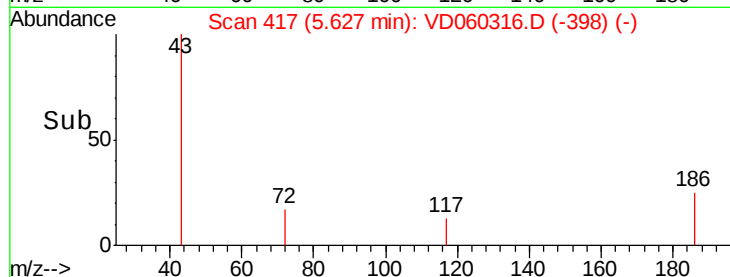
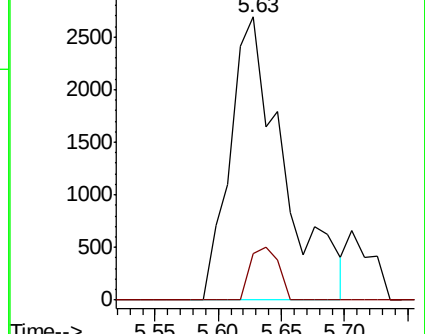
43 100

72 16.6 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: 1.091 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

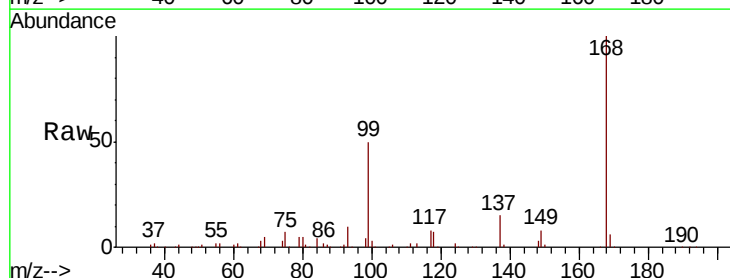
Tgt Ion: 56 Resp: 27353

Ion Ratio Lower Upper

56 100

69 234.7 22.2 33.2#

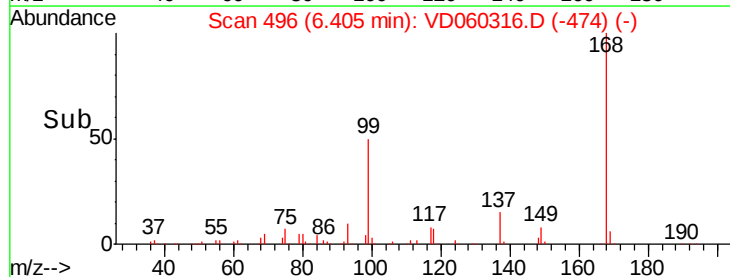
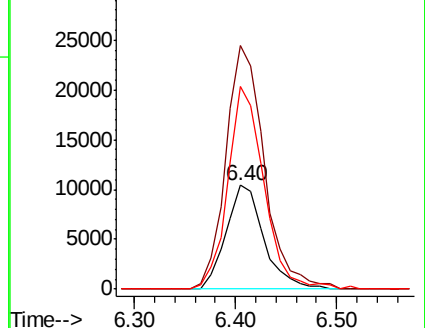
84 195.8 63.0 94.4#

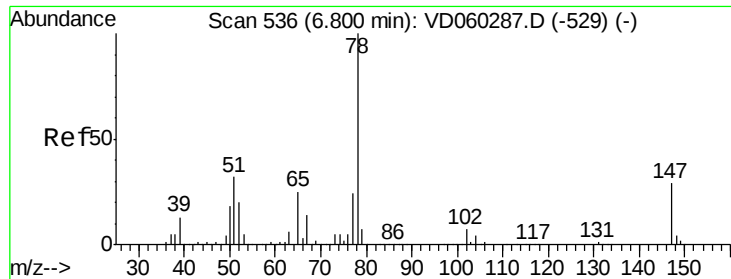


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampled :

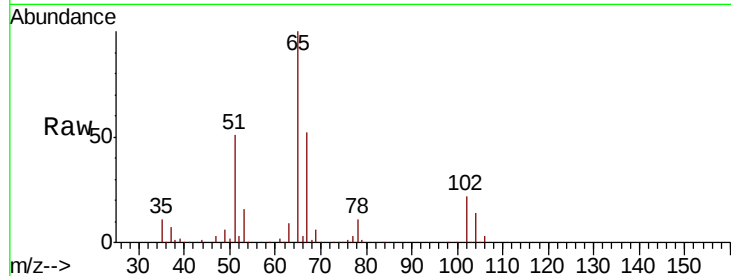
SB-14

Tgt Ion: 65 Resp: 577524

Ion Ratio Lower Upper

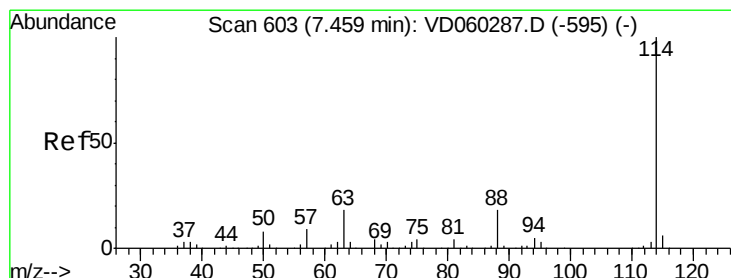
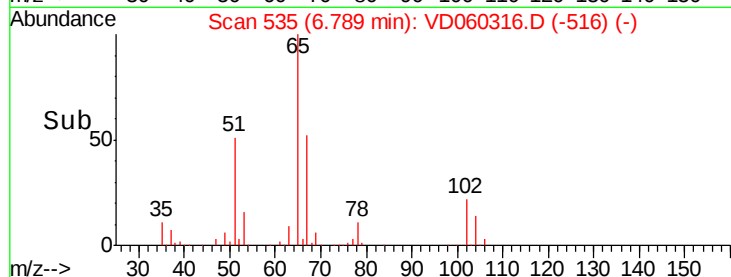
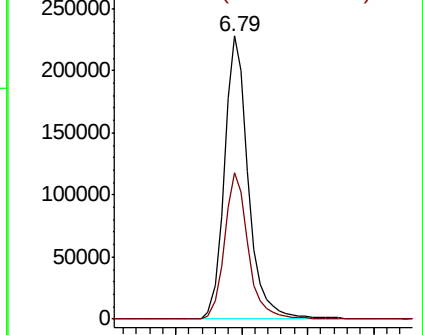
65 100

67 51.6 0.0 109.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

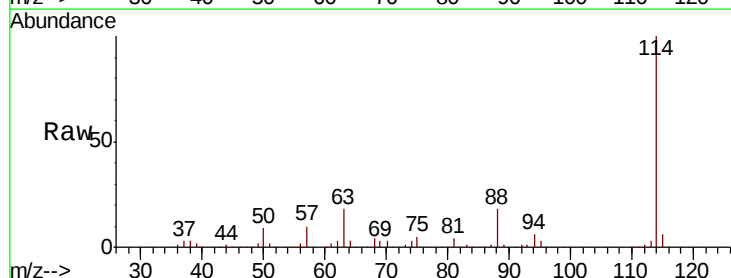
Tgt Ion: 114 Resp: 2055835

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

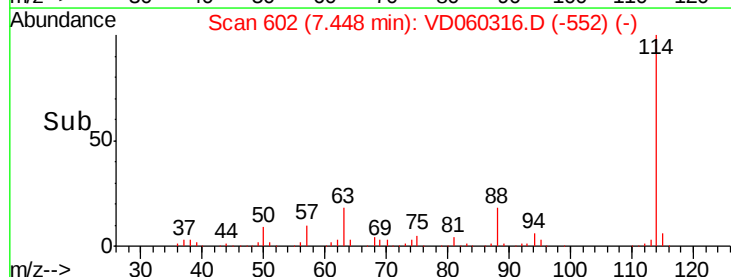
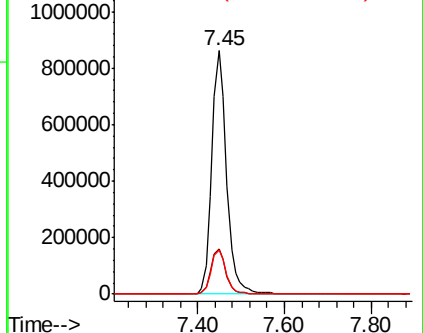
88 18.3 0.0 35.4

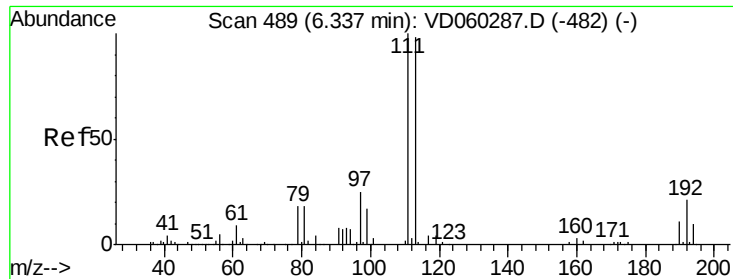


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

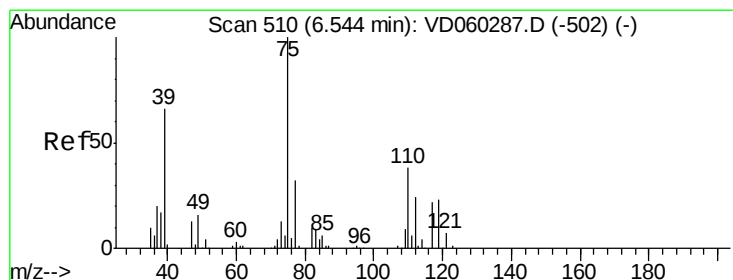
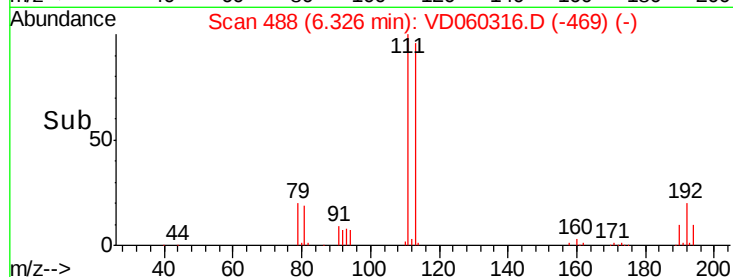
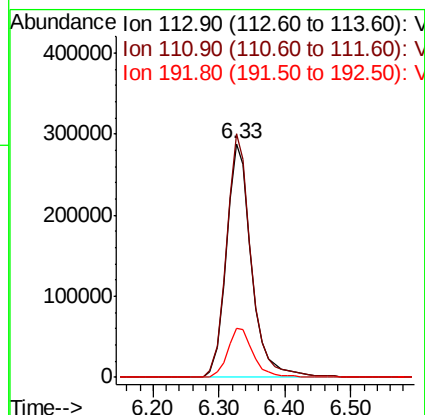
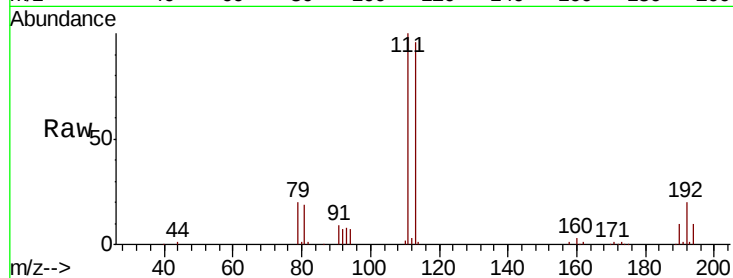




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

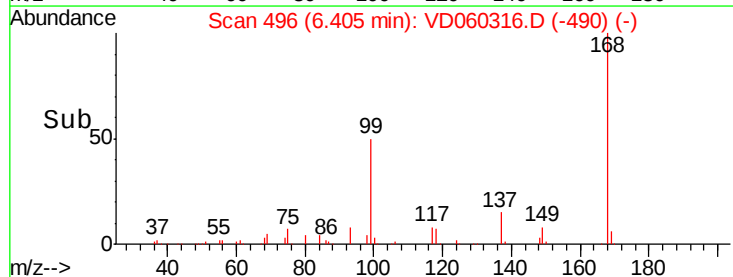
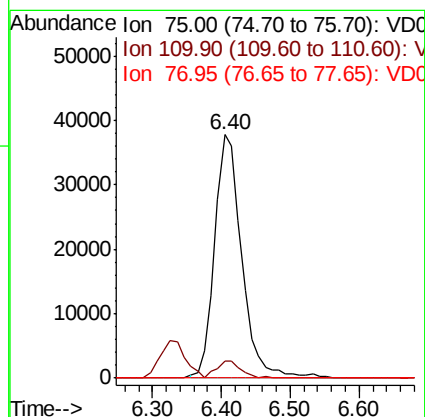
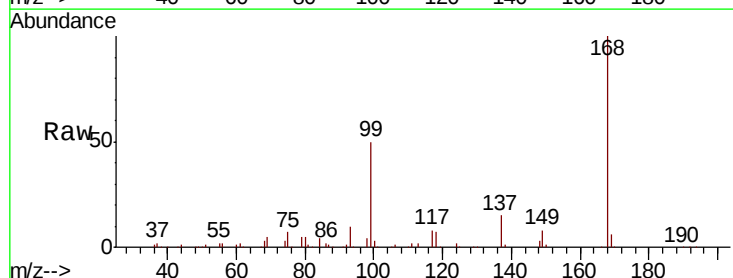
Instrument :
MSVOA_D
ClientSampleId :
SB-14

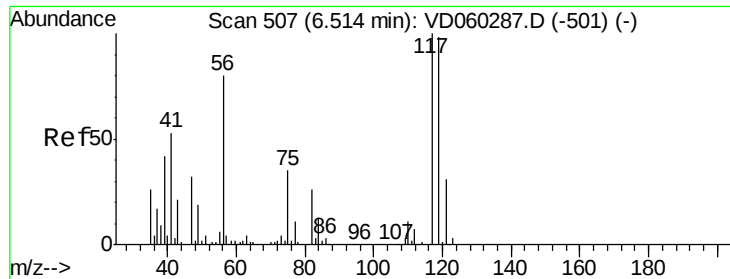
Tgt Ion: 113 Resp: 768456
Ion Ratio Lower Upper
113 100
111 104.1 81.6 122.4
192 20.7 16.5 24.7



#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.14 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 75 Resp: 103060
Ion Ratio Lower Upper
75 100
110 6.8 18.0 54.0#
77 0.0 25.6 38.4#

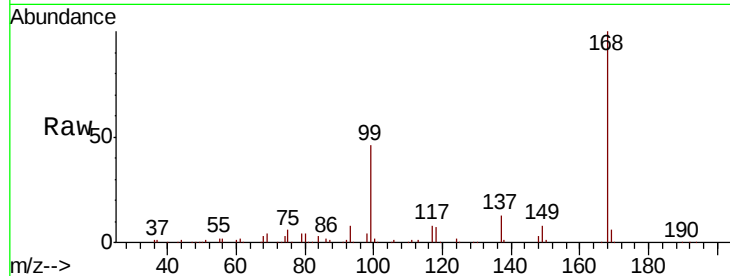




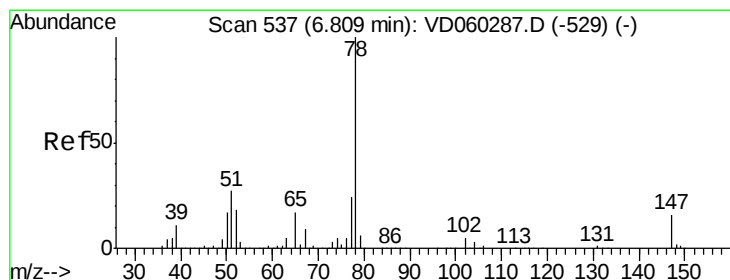
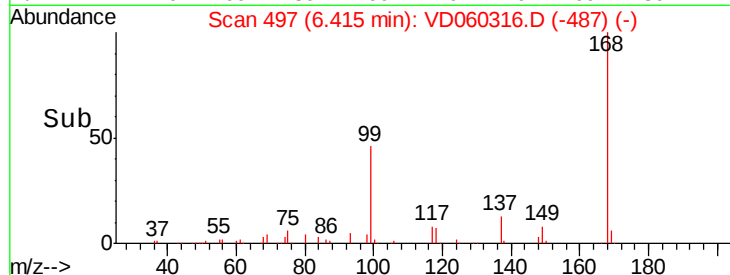
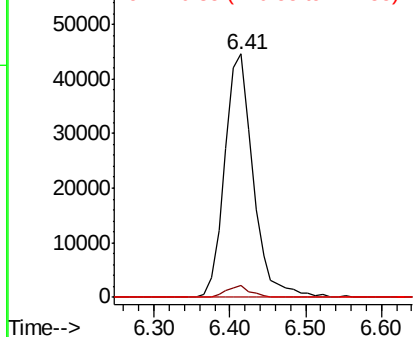
#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Instrument :
MSVOA_D
ClientSampleId :
SB-14

Tgt Ion: 117 Resp: 115731
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.3 36.5#

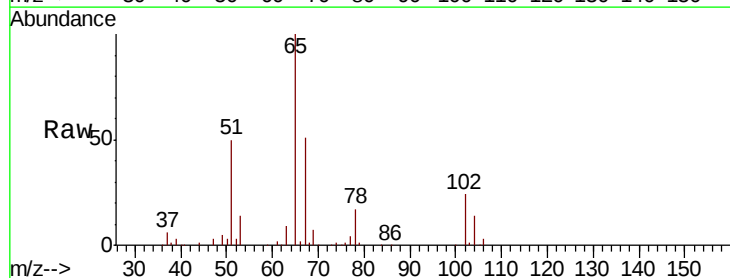


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

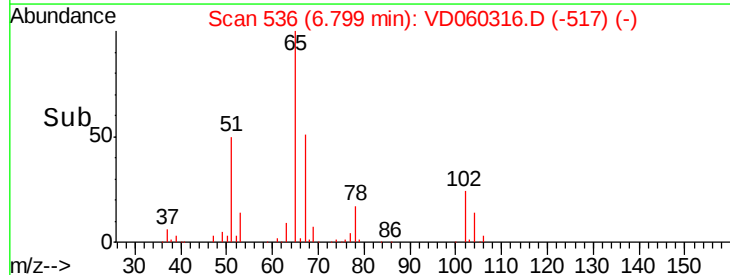
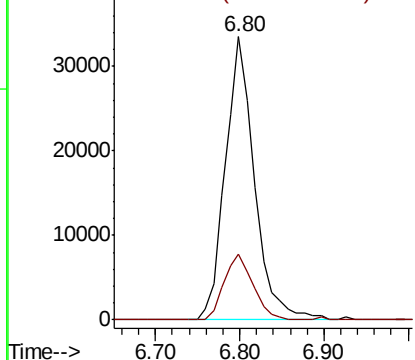


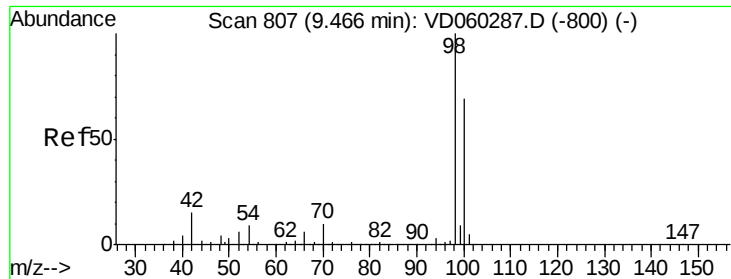
#40
Benzene
Concen: 1.548 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 78 Resp: 80253
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060316.D

Acq: 9 Nov 2018 17:06

Instrument :

MSVOA_D

ClientSampleId :

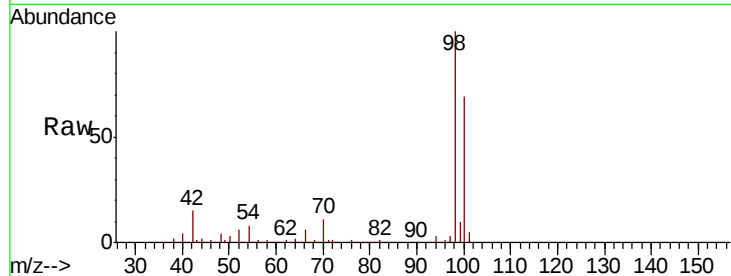
SB-14

Tgt Ion: 98 Resp: 2131504

Ion Ratio Lower Upper

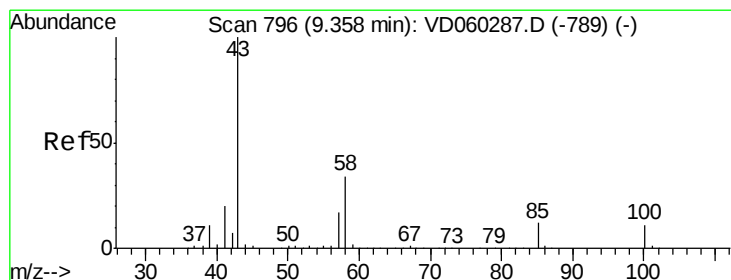
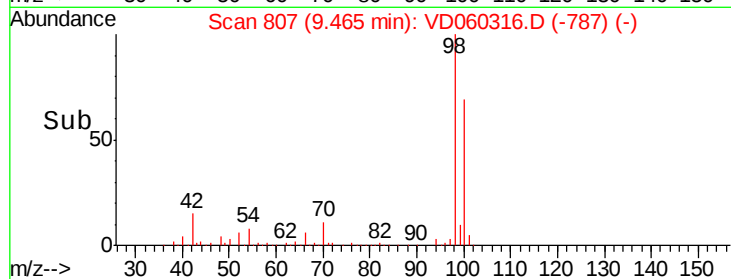
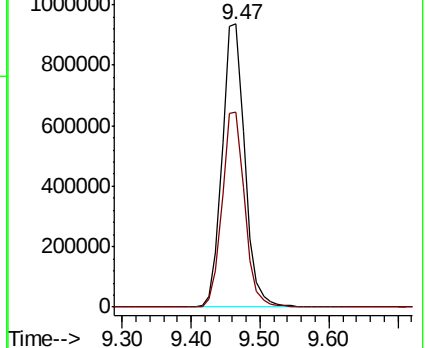
98 100

100 69.1 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.568 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060316.D

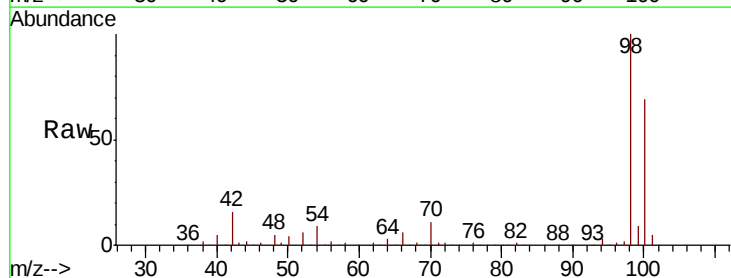
Acq: 9 Nov 2018 17:06

Tgt Ion: 43 Resp: 11984

Ion Ratio Lower Upper

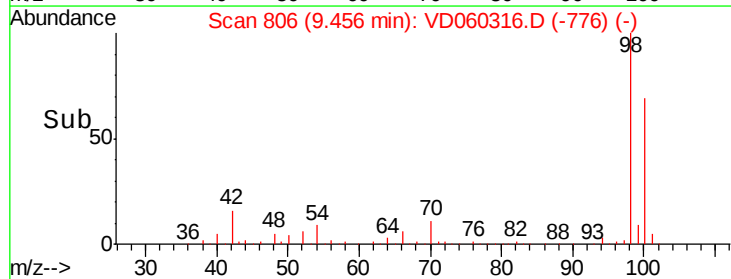
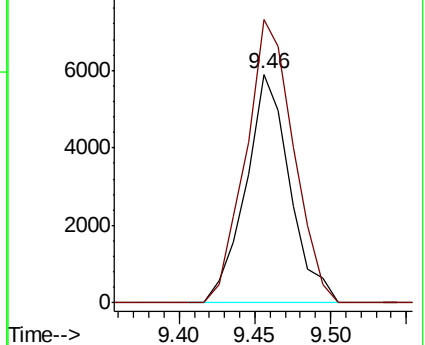
43 100

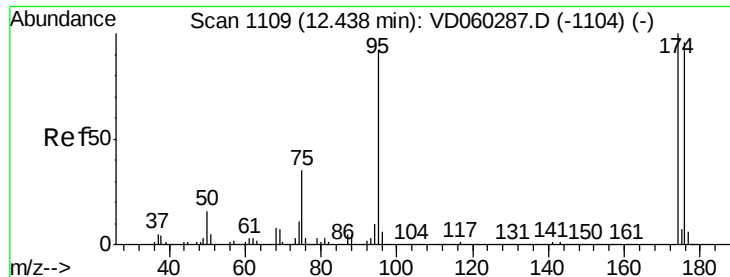
58 123.8 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

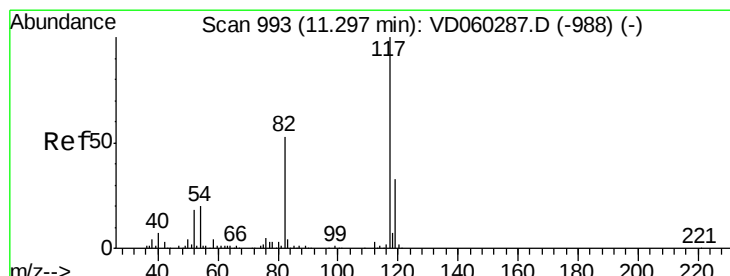
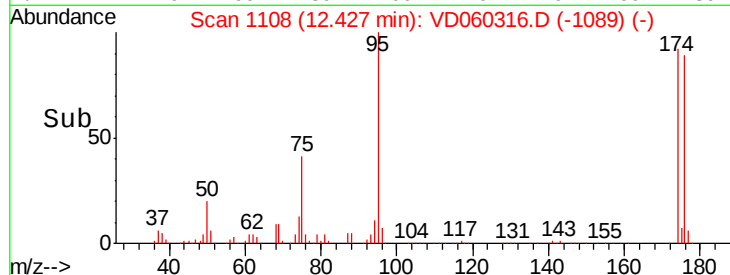
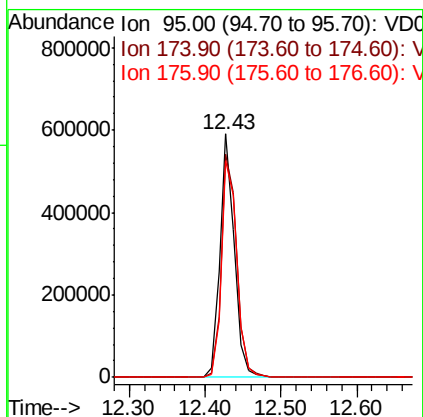
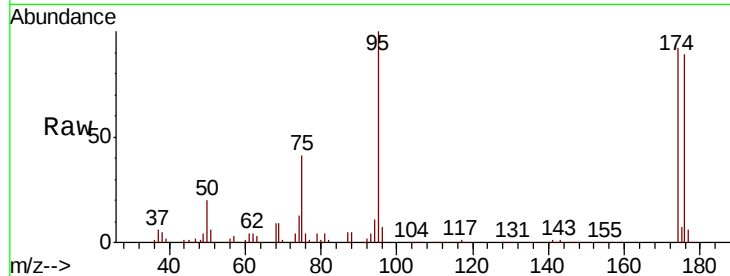




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

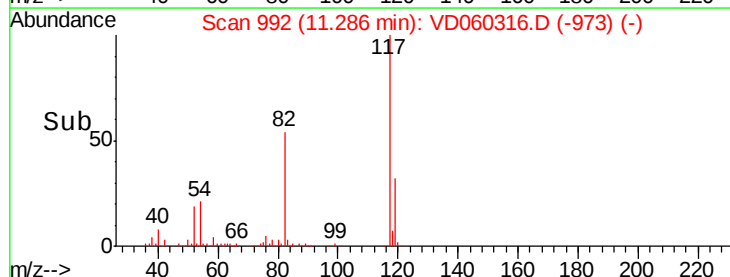
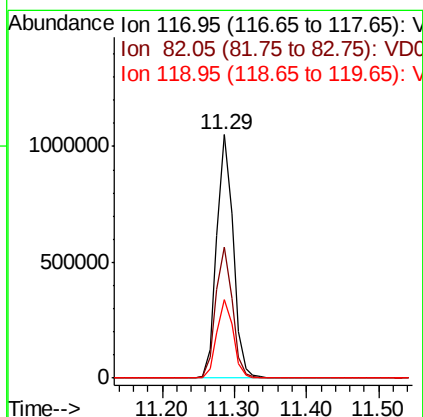
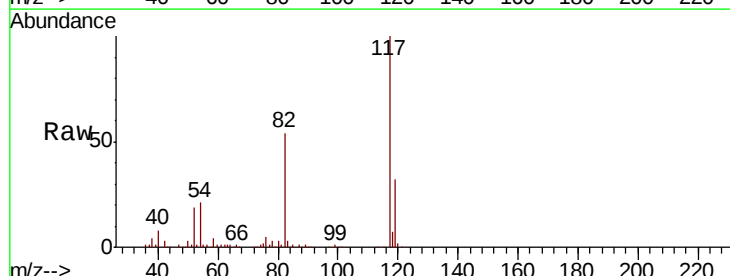
Instrument :
MSVOA_D
ClientSampled :
SB-14

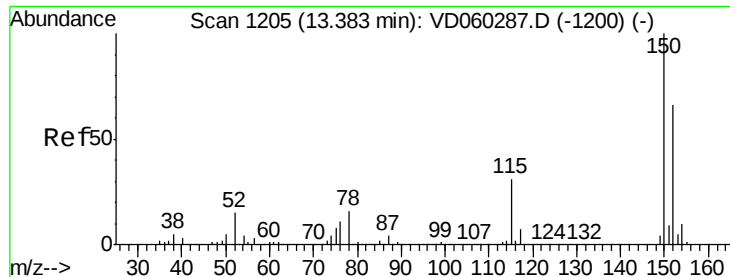
Tgt Ion: 95 Resp: 791936
Ion Ratio Lower Upper
95 100
174 91.9 0.0 160.8
176 88.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 117 Resp: 1647526
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 26.1 39.1



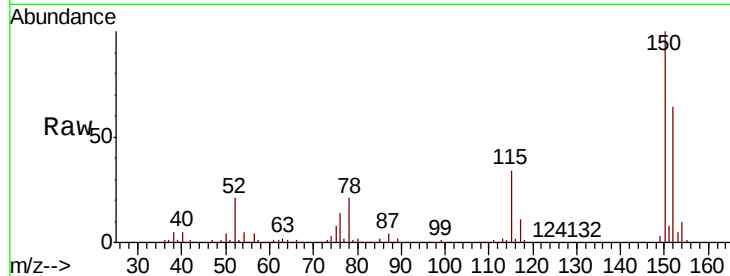


#72

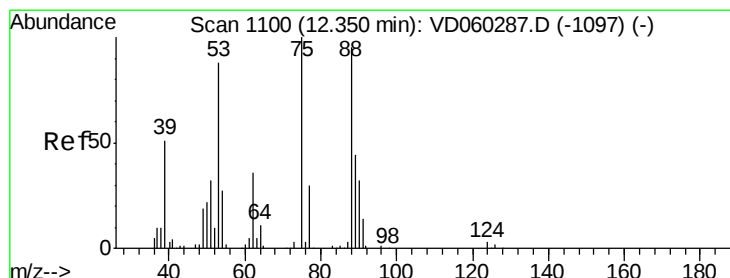
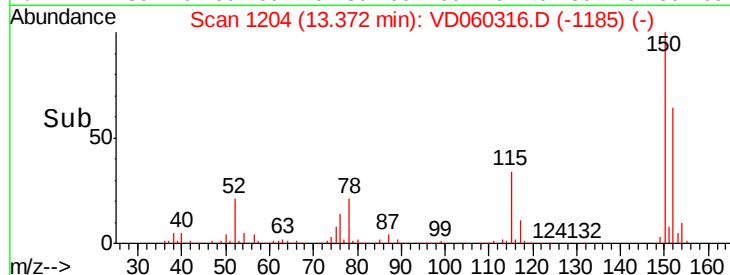
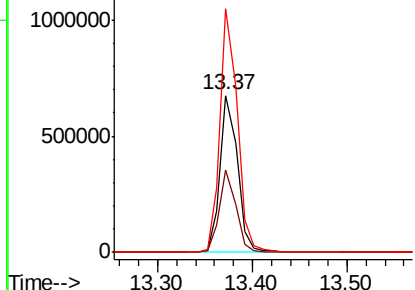
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Instrument :
MSVOA_D
ClientSampled :
SB-14

Tgt Ion:152 Resp: 864105
Ion Ratio Lower Upper
152 100
115 52.7 24.1 72.3
150 155.3 0.0 310.6



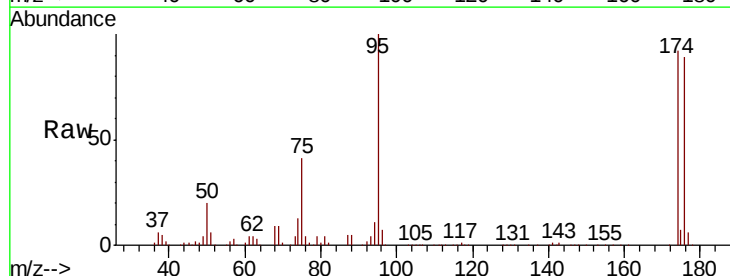
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 110.756 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060316.D
Acq: 9 Nov 2018 17:06

Tgt Ion: 75 Resp: 325938
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

