

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060405.D
 Acq On : 16 Nov 2018 18:31
 Operator : JC/SY
 Sample : J5762-05
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-111518

Quant Time: Nov 17 03:01:57 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	1070834	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1521089	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	971322	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	245382	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	324759	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	
35) Dibromofluoromethane	6.34	113	423354	37.32	ug/l	0.00
Spiked Amount			Recovery	=	74.64%	
50) Toluene-d8	9.46	98	992101	29.89	ug/l	0.00
Spiked Amount			Recovery	=	59.78%	
62) 4-Bromofluorobenzene	12.43	95	256605	21.33	ug/l	-0.01
Spiked Amount			Recovery	=	42.66%	

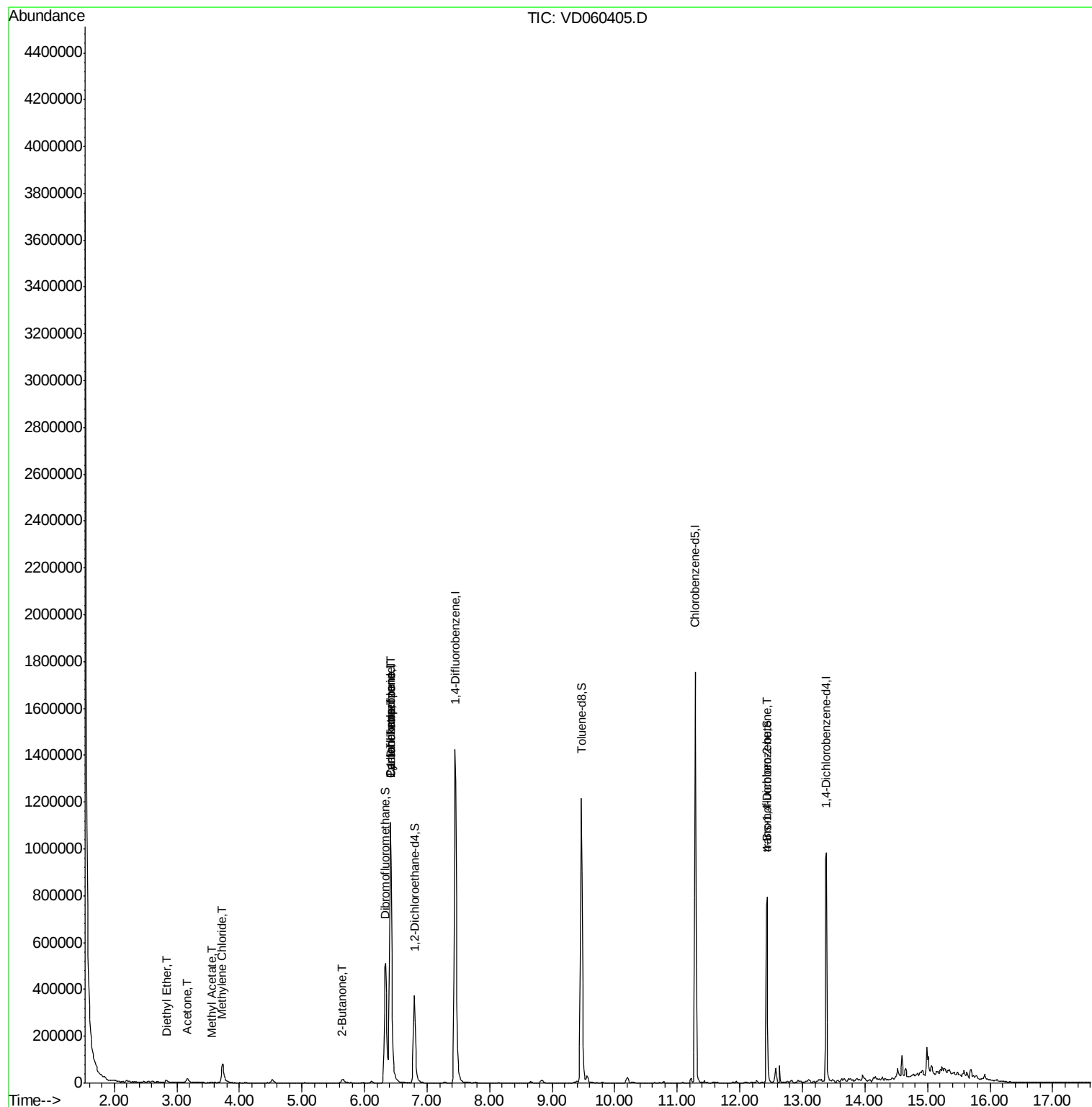
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	734	Below Cal	#	41
8) Diethyl Ether	2.83	74	3001	1.697	ug/l	94
16) Acetone	3.17	43	30925	23.252	ug/l	94
18) Methyl Acetate	3.56	43	3466	1.222	ug/l #	63
20) Methylene Chloride	3.73	84	52621	4.460	ug/l	98
25) 2-Butanone	5.63	43	5958	2.155	ug/l	95
31) Cyclohexane	6.41	56	21019	1.148	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	74023	4.926	ug/l #	47
38) Carbon Tetrachloride	6.41	117	89614	6.428	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.43	75	103694	124.082	ug/l #	15
89) n-Butylbenzene	13.65	91	3275	Below Cal		83

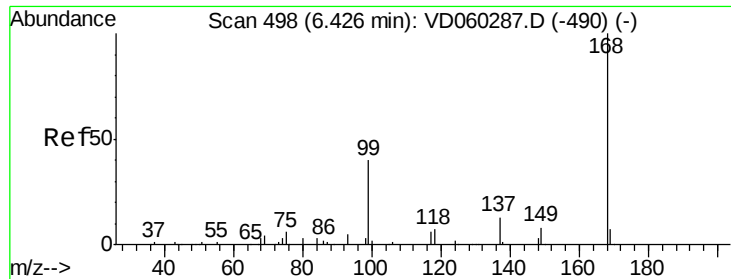
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\
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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: VD060405.D

Acq: 16 Nov 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

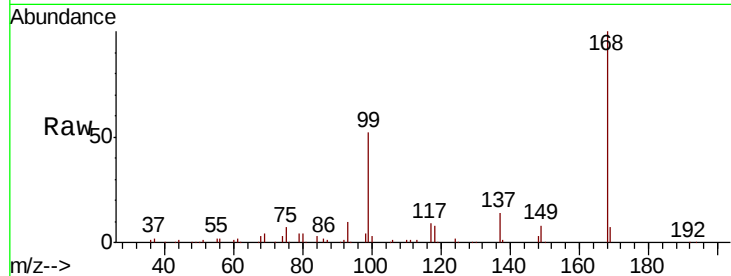
BU-03-111518

Tot Ion:168 Resp: 1070834

Ion Ratio Lower Upper

168 100

99 51.7 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

400000

300000

200000

100000

0

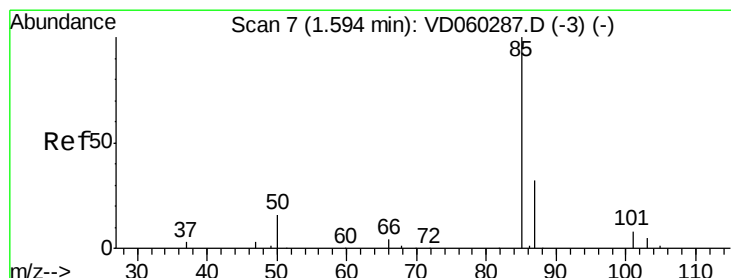
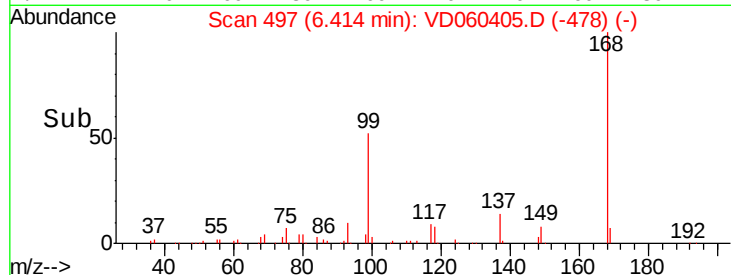
Time-->

6.30

6.40

6.50

6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060405.D

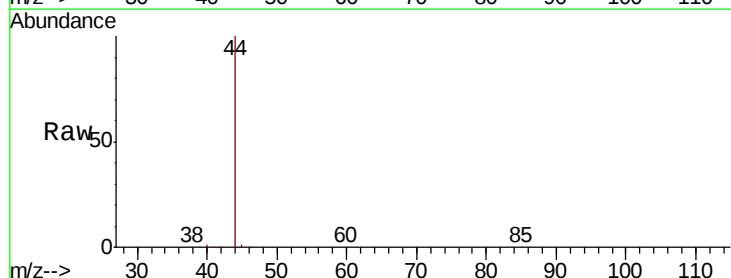
Acq: 16 Nov 2018 18:31

Tgt Ion: 85 Resp: 734

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

500

400

300

200

100

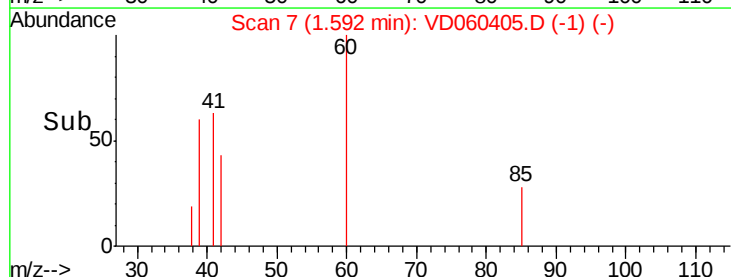
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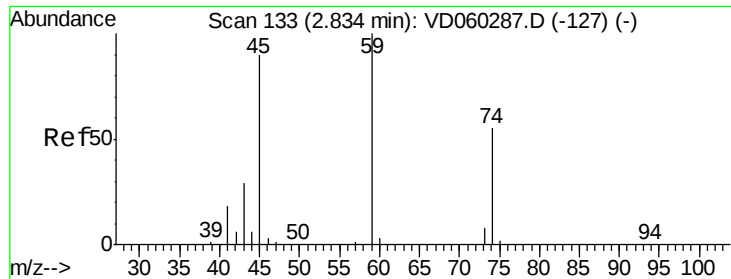
Time-->

1.55

1.60

1.65





#8

Diethyl Ether

Concen: 1.697 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060405.D

Acq: 16 Nov 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

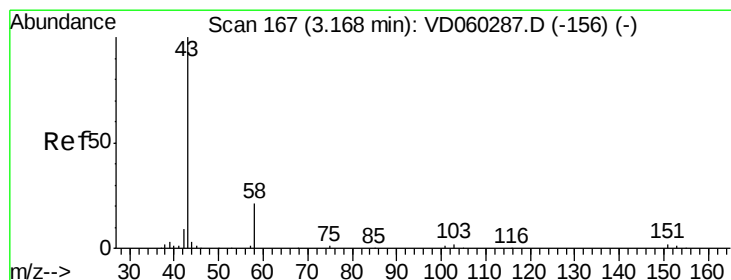
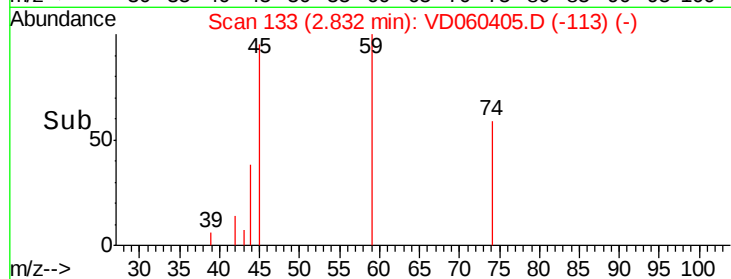
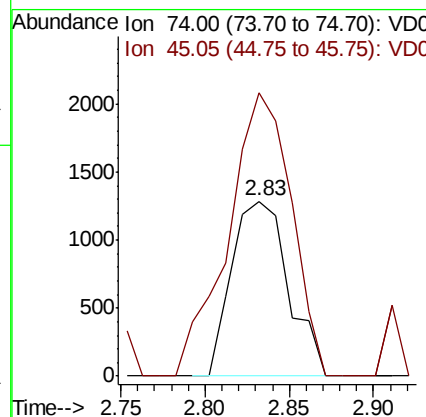
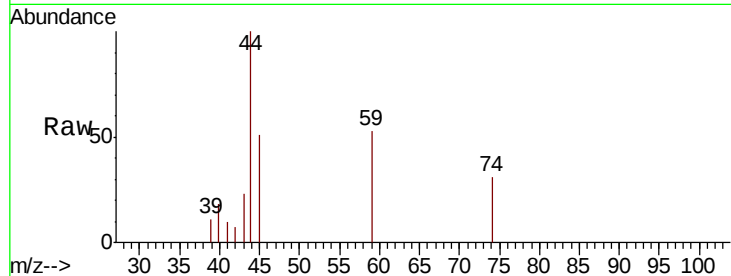
BU-03-111518

Tot Ion: 74 Resp: 3001

Ion Ratio Lower Upper

74 100

45 161.8 84.8 254.4



#16

Acetone

Concen: 23.252 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060405.D

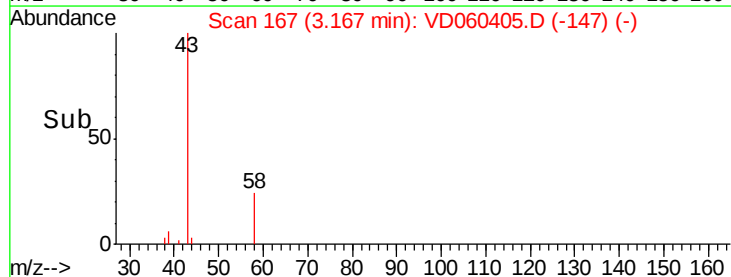
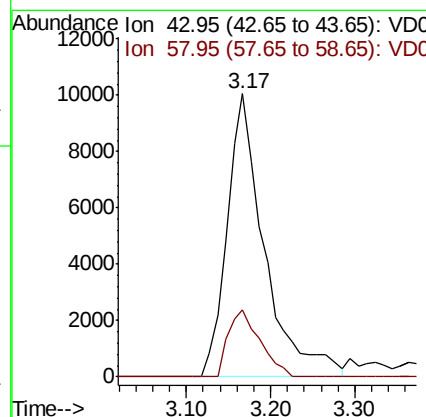
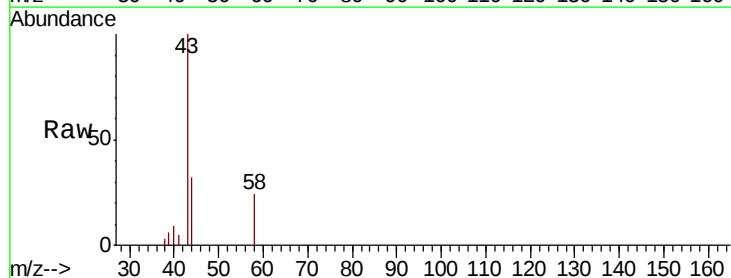
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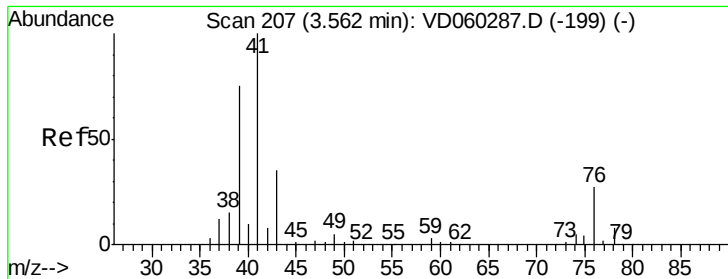
Tgt Ion: 43 Resp: 30925

Ion Ratio Lower Upper

43 100

58 23.8 16.9 25.3

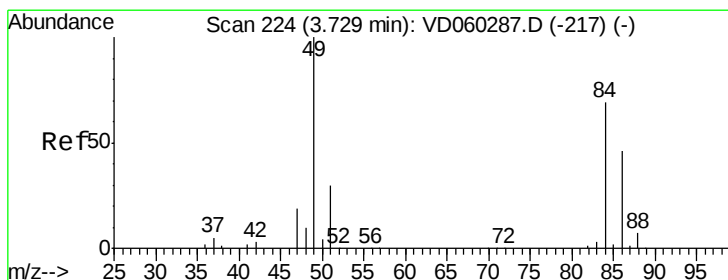
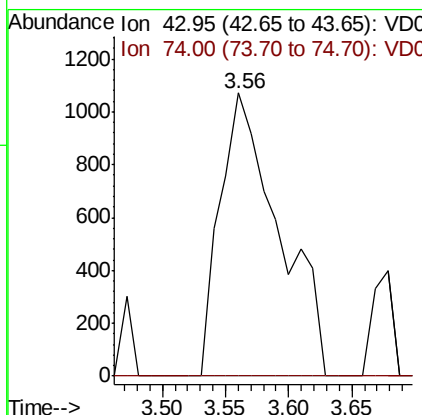
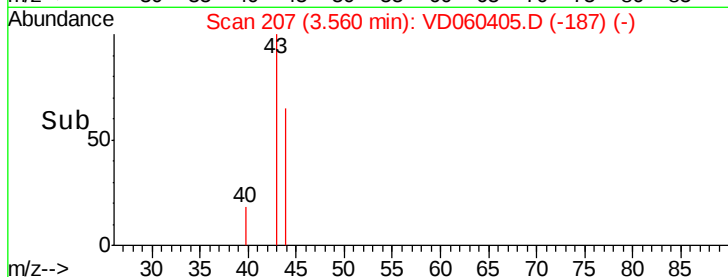
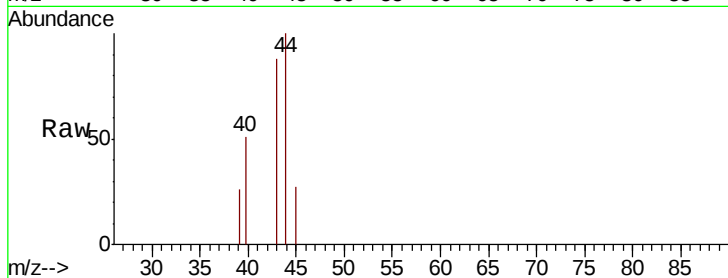




#18
Methyl Acetate
Concen: 1.222 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.00 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

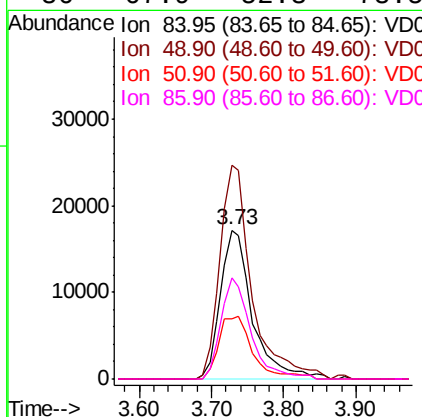
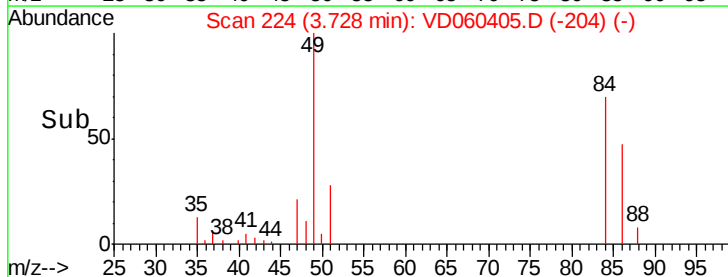
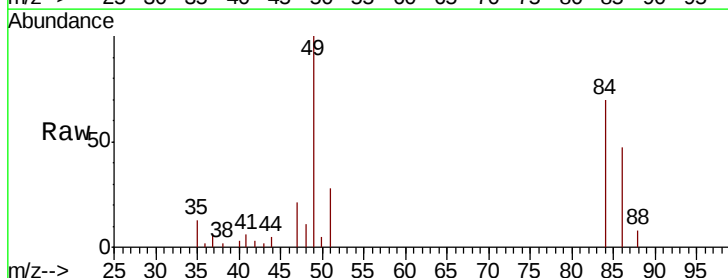
Instrument :
MSVOA_D
ClientSampleId :
BU-03-111518

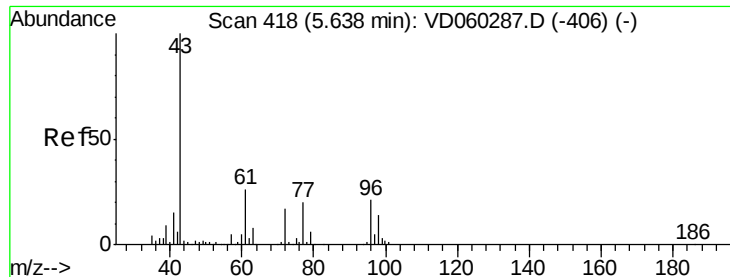
Tot Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 4.460 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

Tgt Ion: 84 Resp: 52621
Ion Ratio Lower Upper
84 100
49 143.5 115.6 173.4
51 40.2 35.6 53.4
86 67.9 52.3 78.5





#25

2-Butanone

Concen: 2.155 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060405.D

Acq: 16 Nov 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

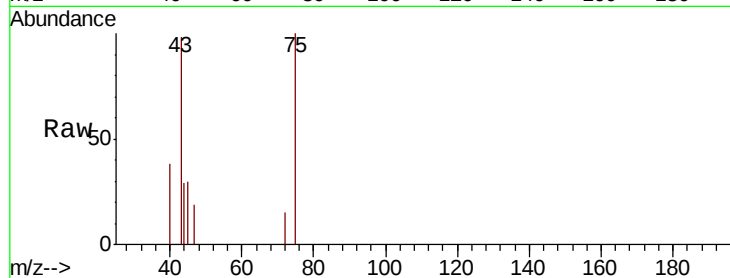
BU-03-111518

Tot Ion: 43 Resp: 5958

Ion Ratio Lower Upper

43 100

72 15.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.63

2500

2000

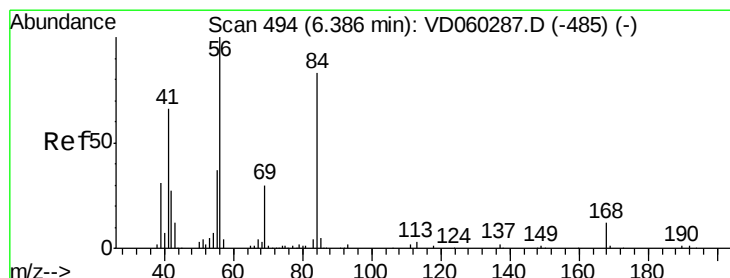
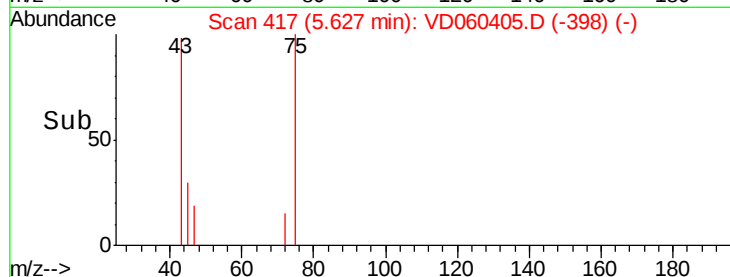
1500

1000

500

0

Time--> 5.55 5.60 5.65 5.70



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060405.D

Acq: 16 Nov 2018 18:31

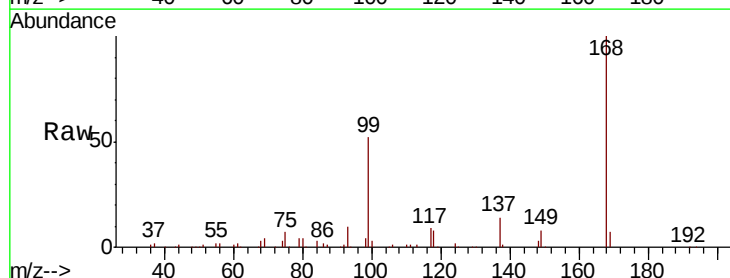
Tgt Ion: 56 Resp: 21019

Ion Ratio Lower Upper

56 100

69 199.0 22.2 33.2#

84 153.7 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

20000

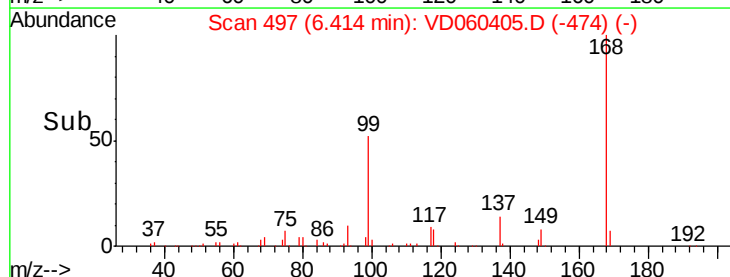
15000

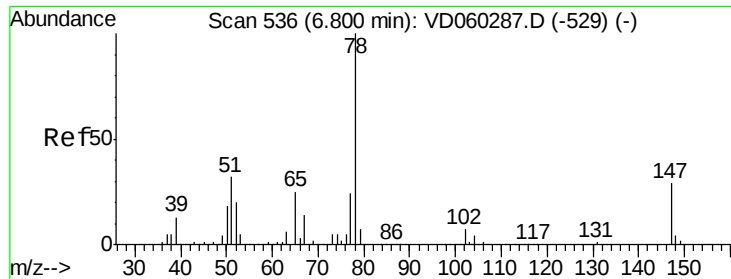
10000

5000

0

Time--> 6.30 6.40 6.50

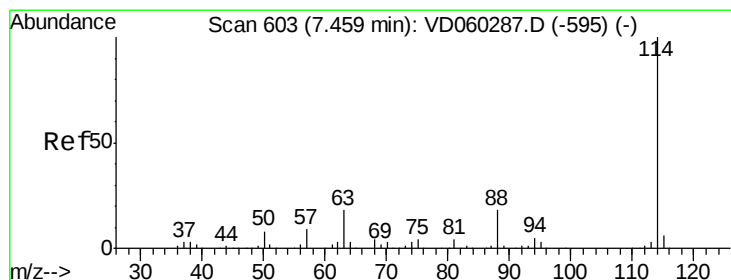
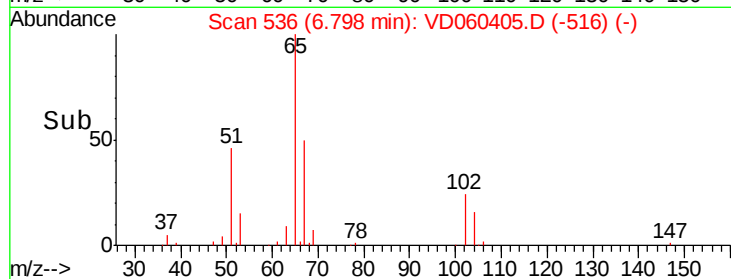
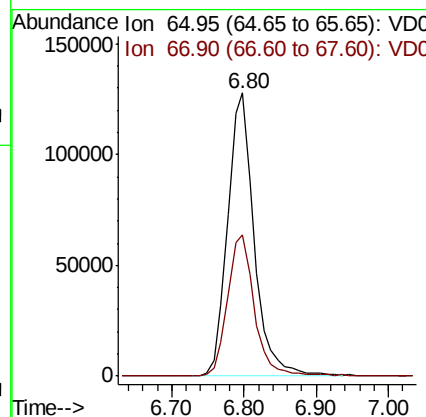
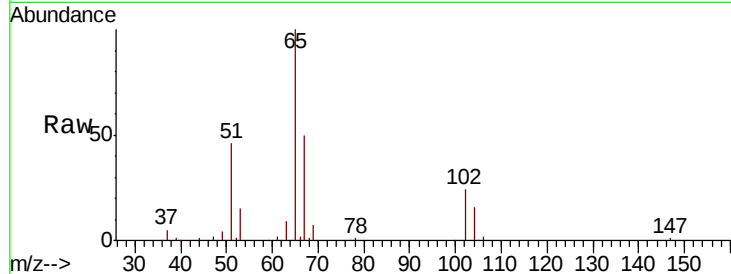




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060405.D
 Acq: 16 Nov 2018 18:31

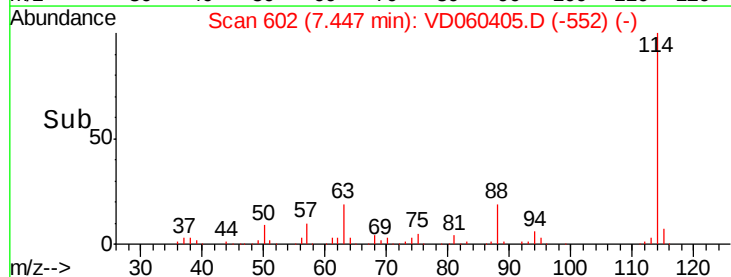
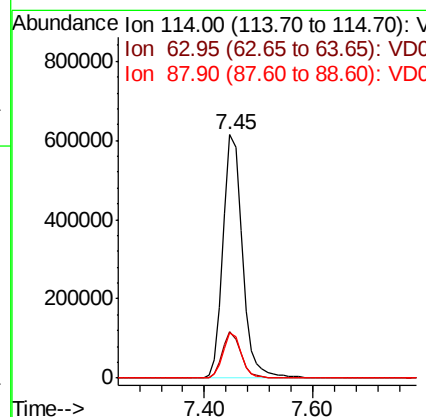
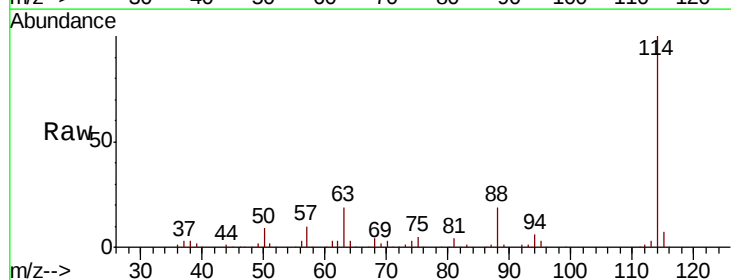
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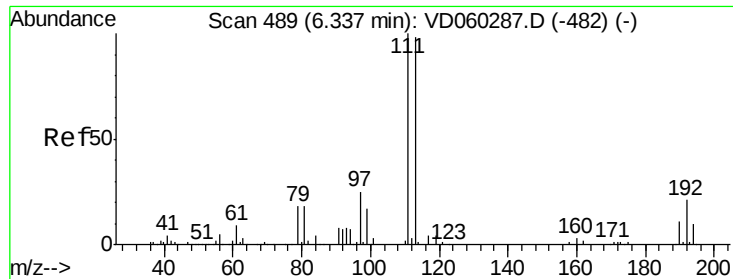
Tot Ion: 65 Resp: 324759
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060405.D
 Acq: 16 Nov 2018 18:31

Tgt Ion: 114 Resp: 1521089
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.0
 88 18.7 0.0 35.4

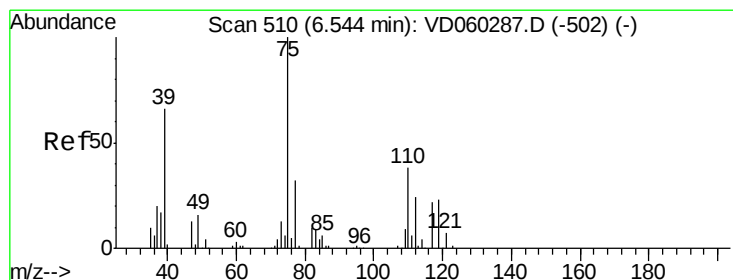
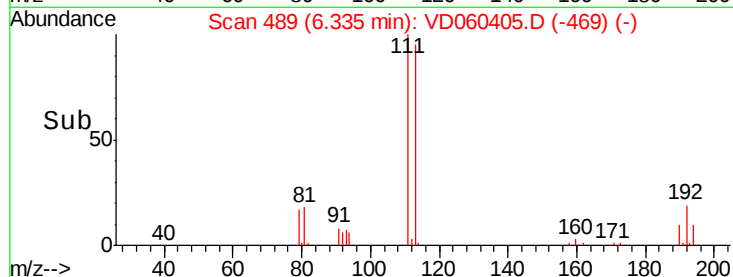
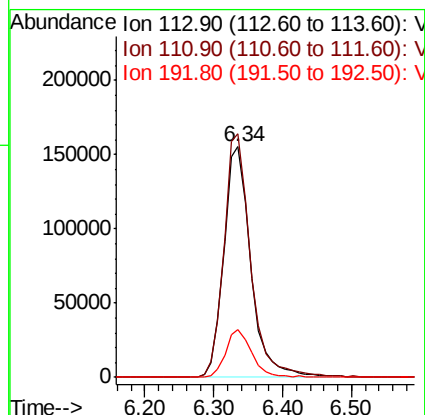
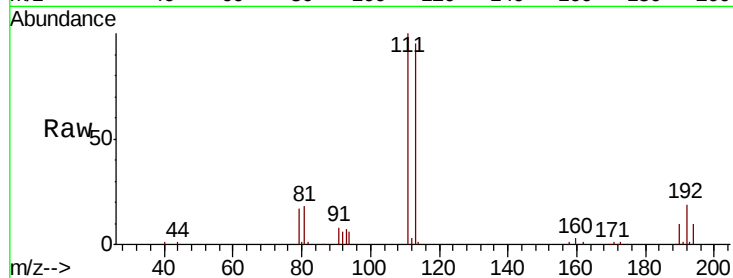




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060405.D
 Acq: 16 Nov 2018 18:31

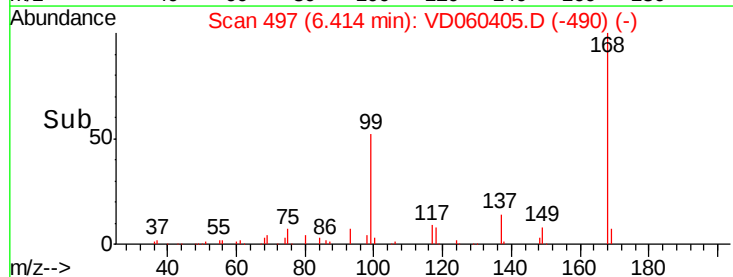
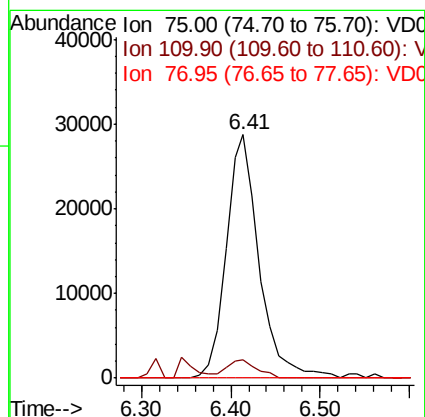
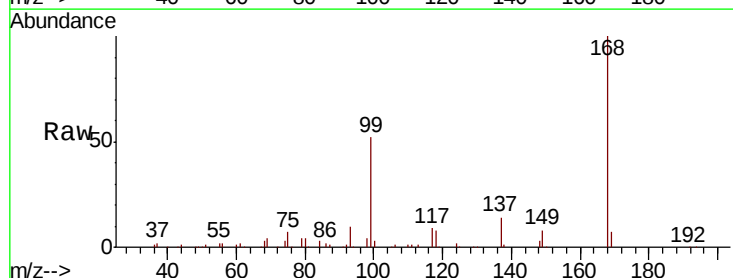
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 BU-03-111518

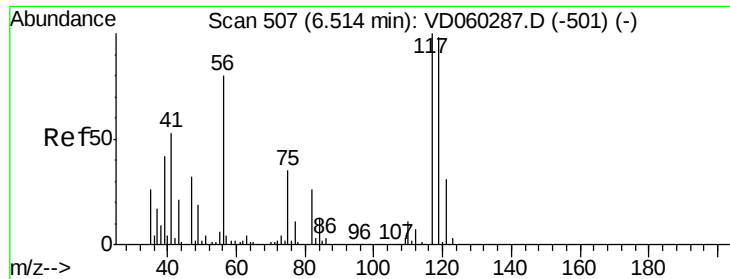
Tot Ion:113 Resp: 423354
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.6 122.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060405.D
 Acq: 16 Nov 2018 18:31

Tgt Ion: 75 Resp: 74023
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.0 54.0#
 77 0.0 25.6 38.4#

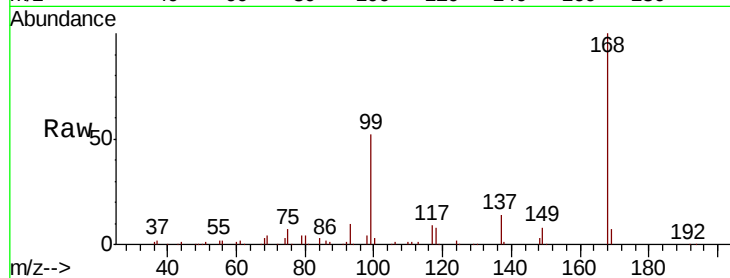




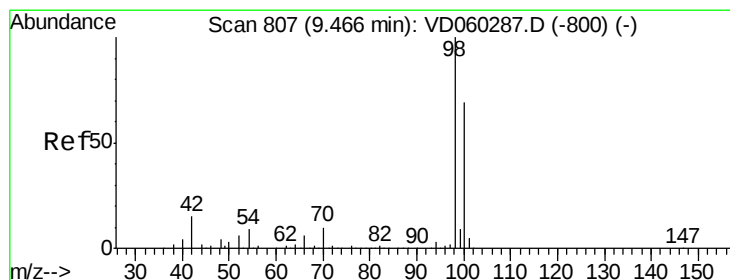
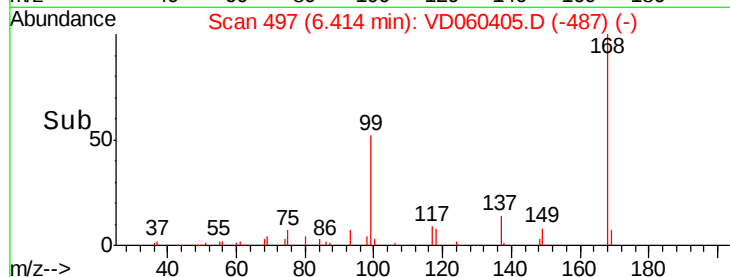
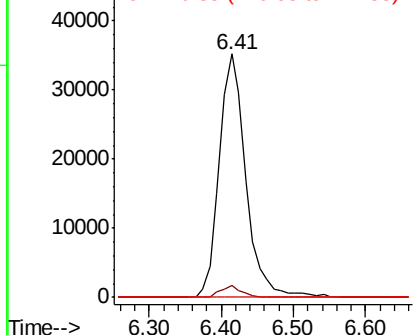
#38
Carbon Tetrachloride
Concen: 6.428 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

Instrument :
MSVOA_D
ClientSampleId :
BU-03-111518

Tot Ion:117 Resp: 89614
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 24.3 36.5#

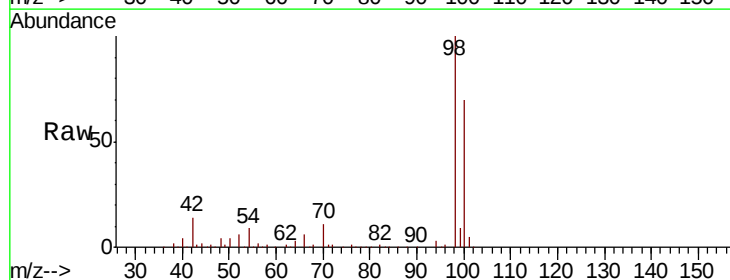


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

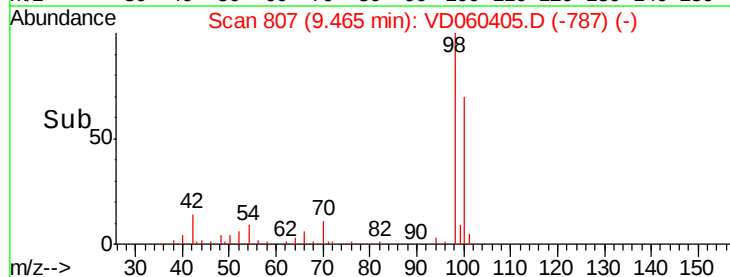
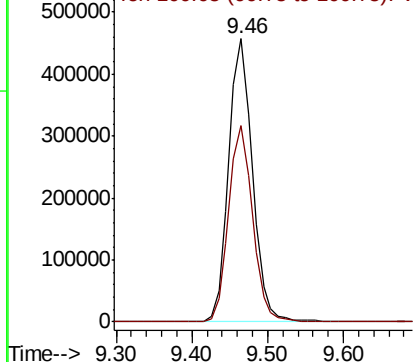


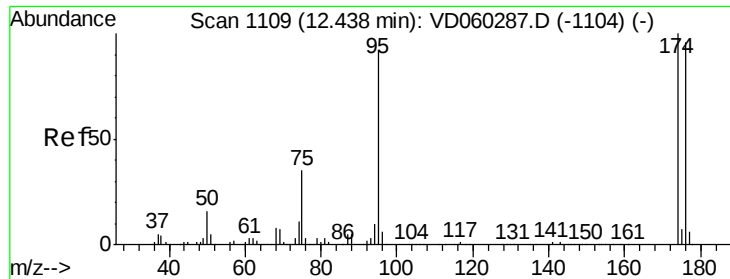
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

Tgt Ion: 98 Resp: 992101
Ion Ratio Lower Upper
98 100
100 69.5 55.2 82.8



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

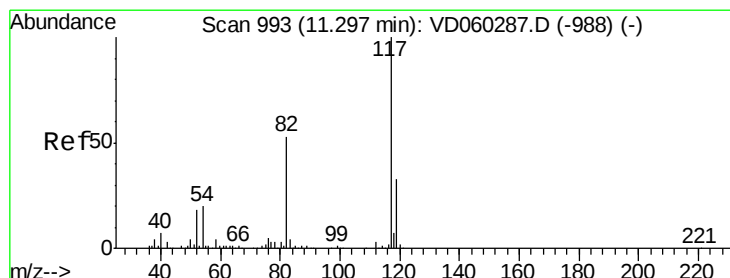
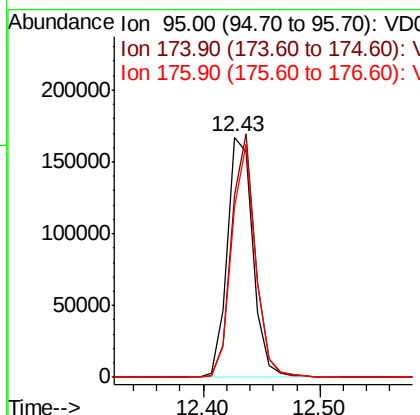
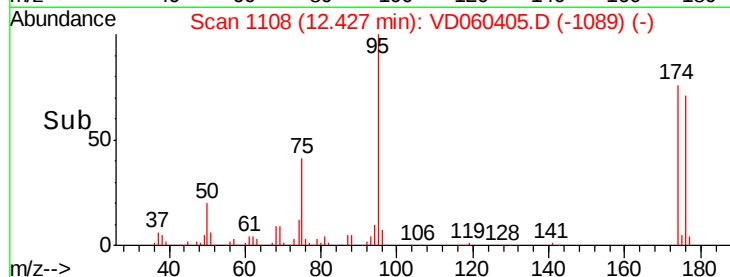
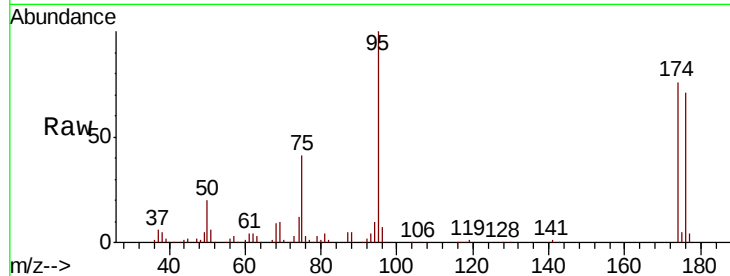




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

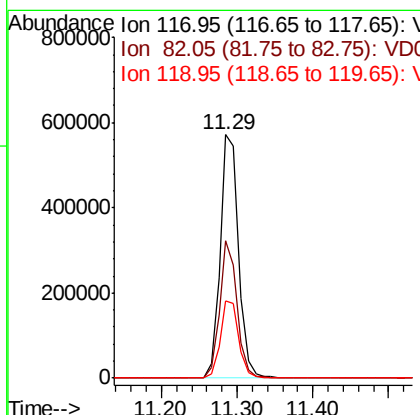
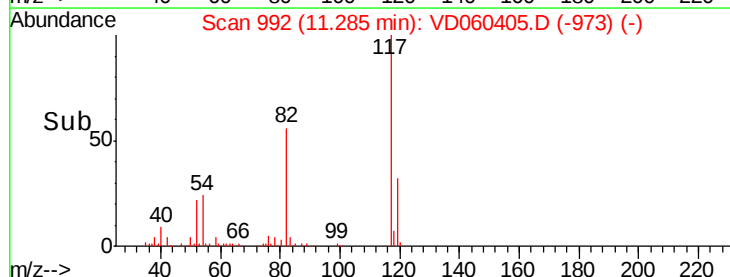
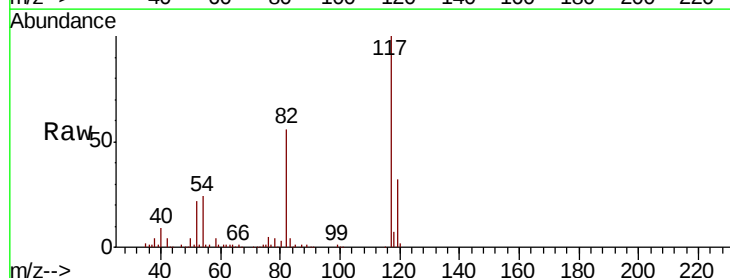
Instrument :
MSVOA_D
ClientSampleId :
BU-03-111518

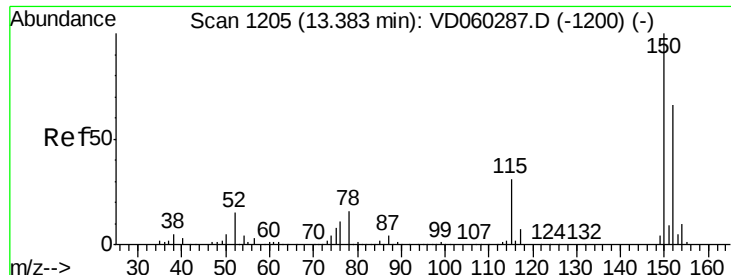
Tot Ion: 95 Resp: 256605
Ion Ratio Lower Upper
95 100
174 75.9 0.0 160.8
176 71.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060405.D
Acq: 16 Nov 2018 18:31

Tgt Ion: 117 Resp: 971322
Ion Ratio Lower Upper
117 100
82 56.2 43.7 65.5
119 31.7 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060405.D

Acq: 16 Nov 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

BU-03-111518

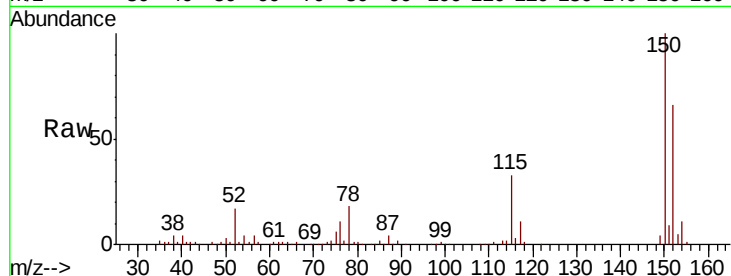
Tot Ion:152 Resp: 245382

Ion Ratio Lower Upper

152 100

115 50.1 24.1 72.3

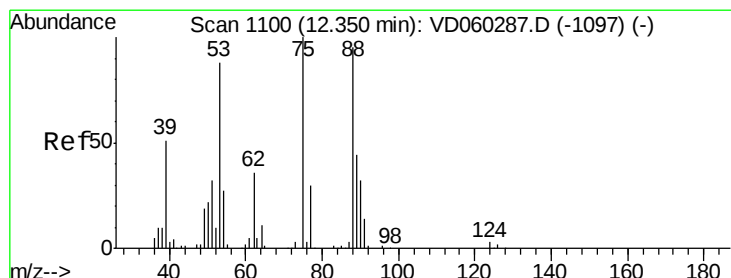
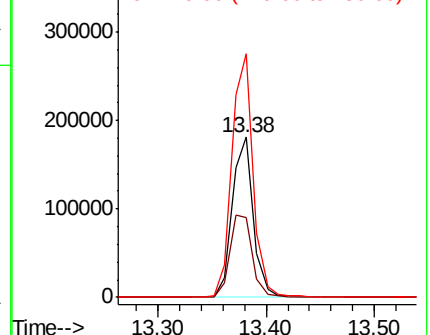
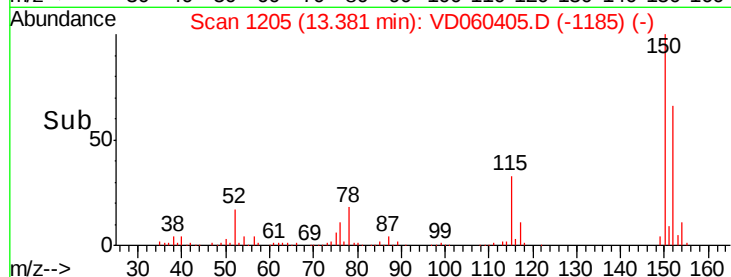
150 152.0 0.0 310.6



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: 124.082 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060405.D

Acq: 16 Nov 2018 18:31

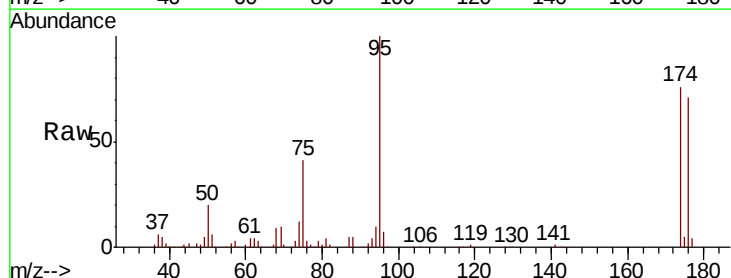
Tgt Ion: 75 Resp: 103694

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

