

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
 Data File : VD060271.D
 Acq On : 1 Nov 2018 19:26
 Operator : VA/AP
 Sample : J5192-05
 Misc : 5.64g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-103118-A

Quant Time: Nov 02 02:43:01 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	1316215	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1875546	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1344055	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	484300	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	472189	47.33	ug/l	0.03
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	6.32	113	593316	41.66	ug/l	0.03
Spiked Amount			Recovery	=	83.32%	
50) Toluene-d8	9.45	98	1454986	35.83	ug/l	0.02
Spiked Amount			Recovery	=	71.66%	
62) 4-Bromofluorobenzene	12.43	95	464928	30.57	ug/l	0.00
Spiked Amount			Recovery	=	61.14%	

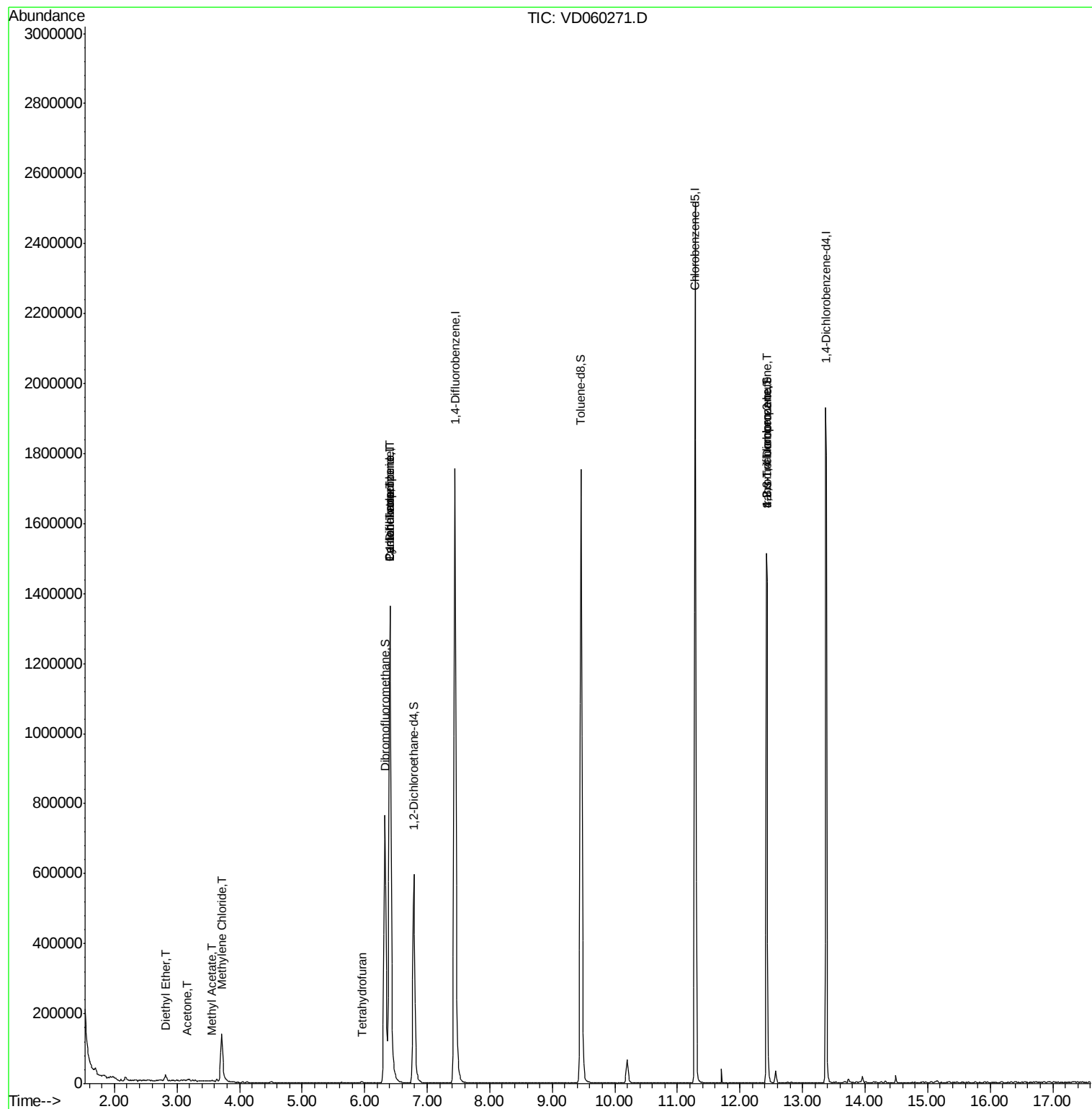
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	5232	2.326	ug/l	76
16) Acetone	3.15	43	2975	1.643	ug/l #	54
18) Methyl Acetate	3.56	43	4694	1.206	ug/l #	63
20) Methylene Chloride	3.72	84	82059	1.595	ug/l	95
29) Tetrahydrofuran	5.95	42	3470	1.321	ug/l #	78
31) Cyclohexane	6.39	56	23226	1.075	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	87320	4.872	ug/l #	48
38) Carbon Tetrachloride	6.40	117	98241	6.039	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	184168	26.406	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	186256	95.041	ug/l #	13

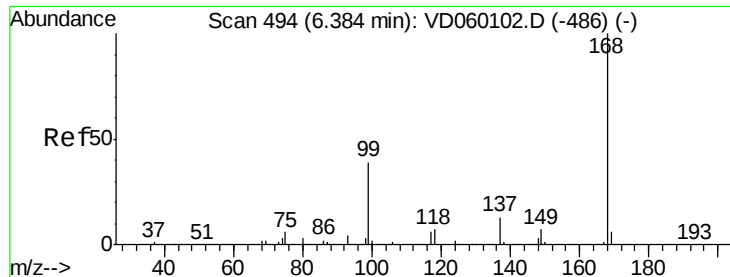
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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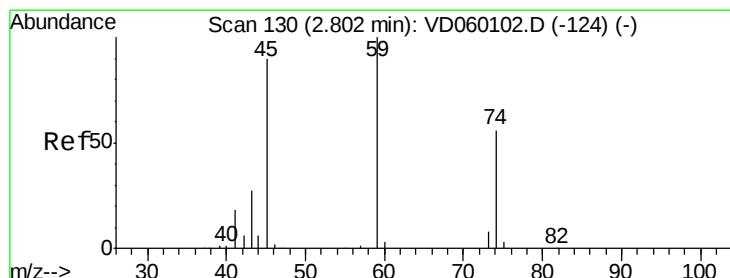
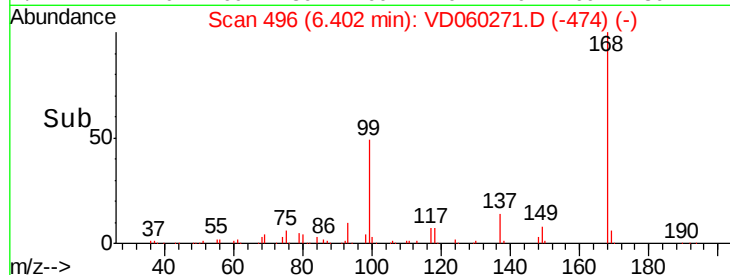
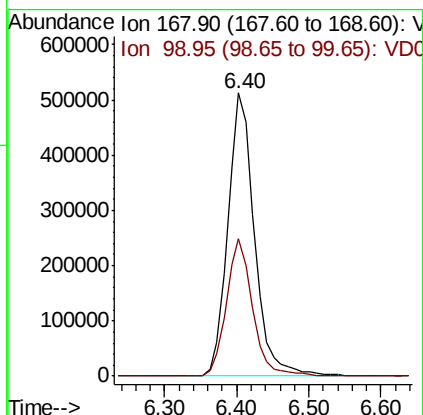
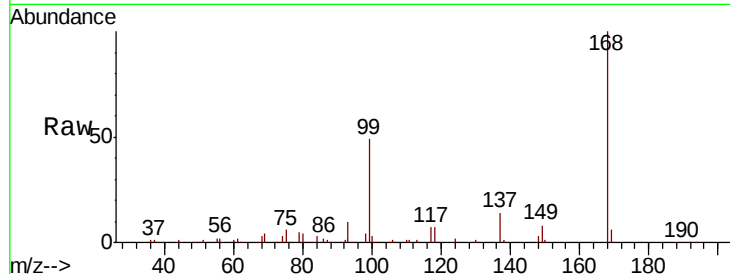




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

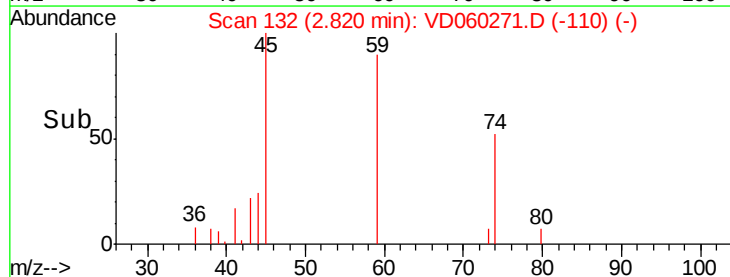
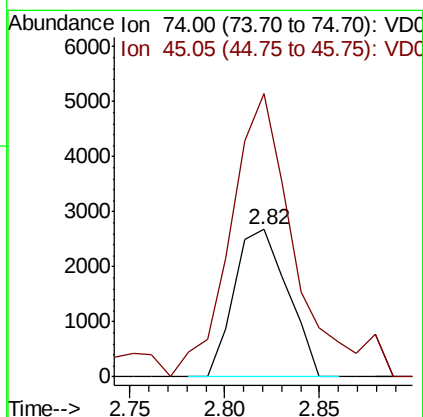
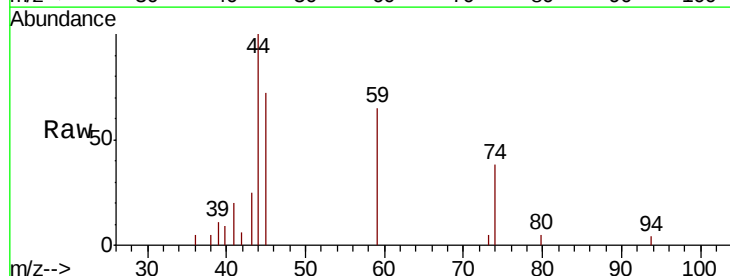
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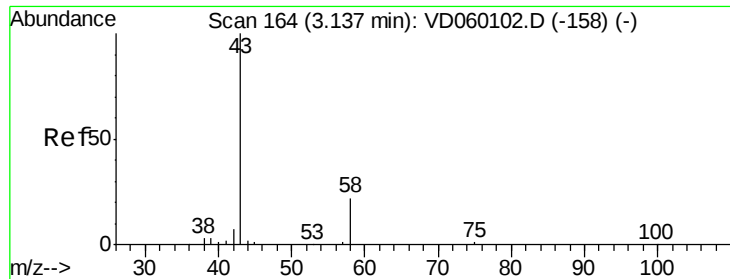
Tgt Ion:168 Resp: 1316215
Ion Ratio Lower Upper
168 100
99 48.7 35.4 53.0



#8
Diethyl Ether
Concen: 2.326 ug/l
RT: 2.82 min Scan# 132
Delta R.T. 0.02 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Tgt Ion: 74 Resp: 5232
Ion Ratio Lower Upper
74 100
45 192.0 80.3 241.0





#16

Acetone

Concen: 1.643 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060271.D

Acq: 1 Nov 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

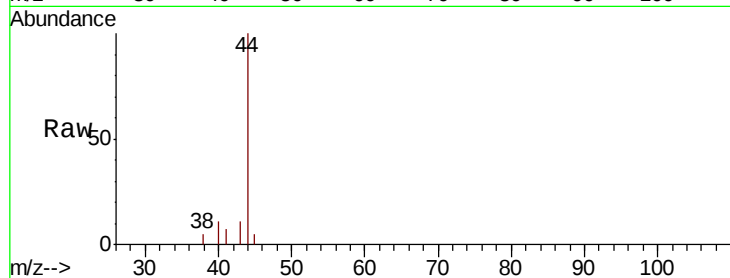
AU-05-103118-A

Tgt Ion: 43 Resp: 2975

Ion Ratio Lower Upper

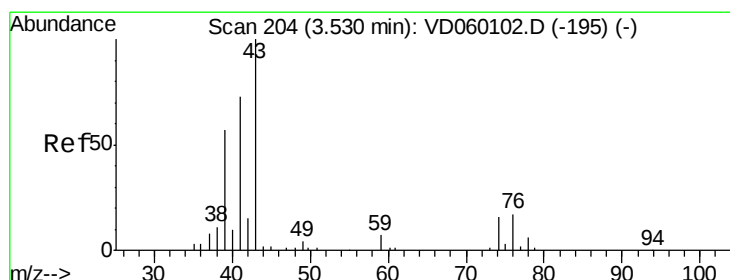
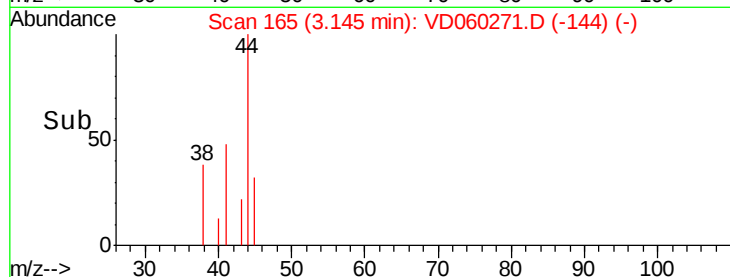
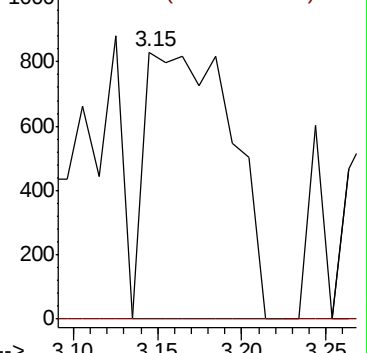
43 100

58 0.0 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: 1.206 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060271.D

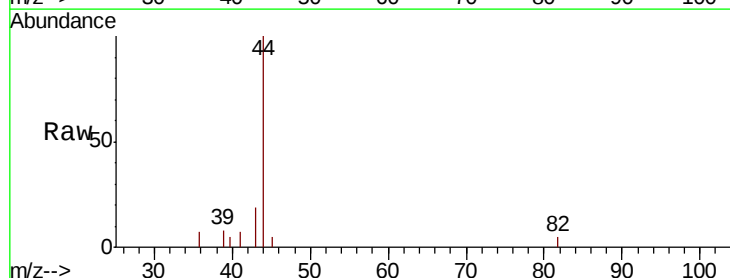
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Tgt Ion: 43 Resp: 4694

Ion Ratio Lower Upper

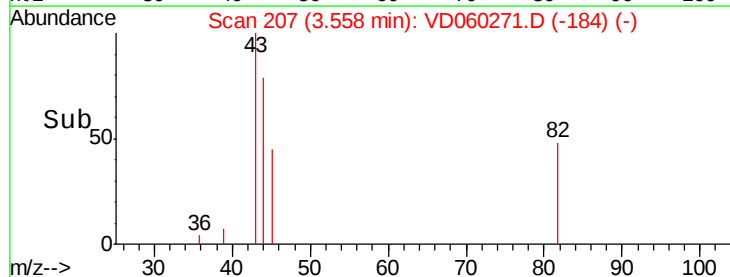
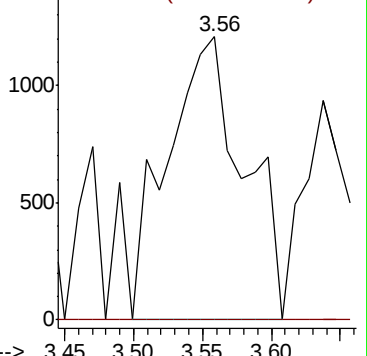
43 100

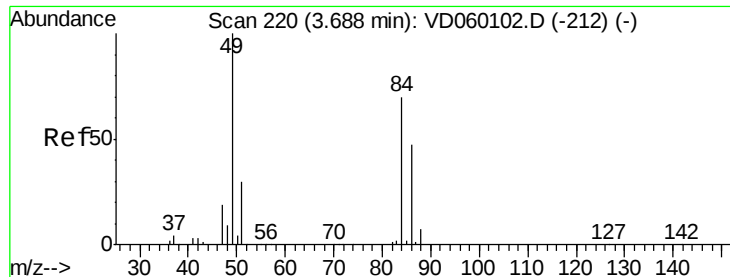
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

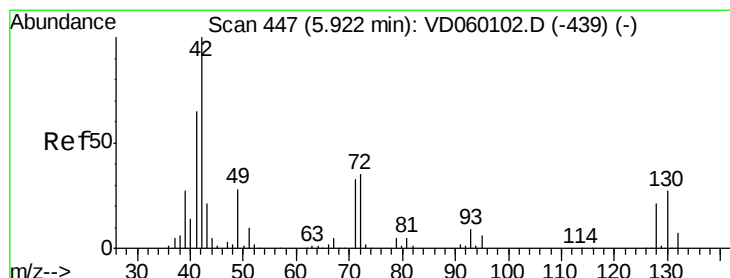
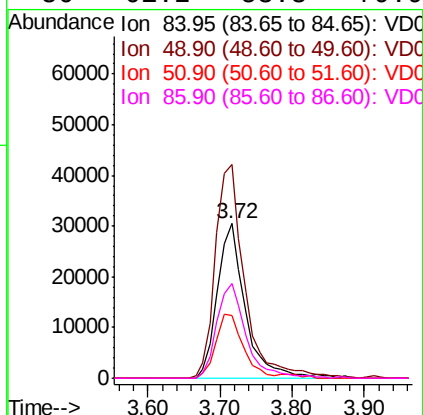
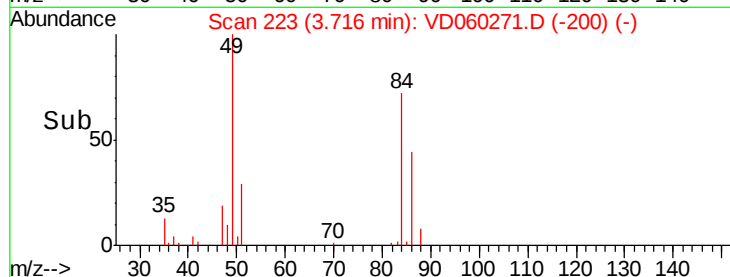
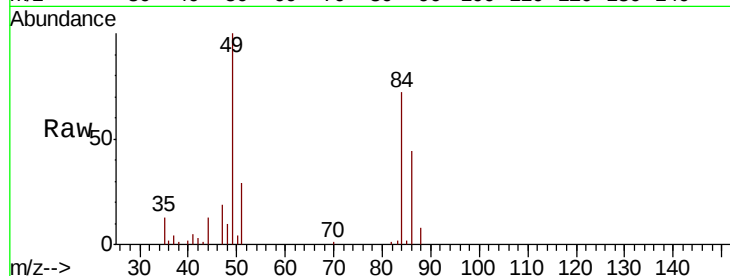




#20
Methylene Chloride
Concen: 1.595 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

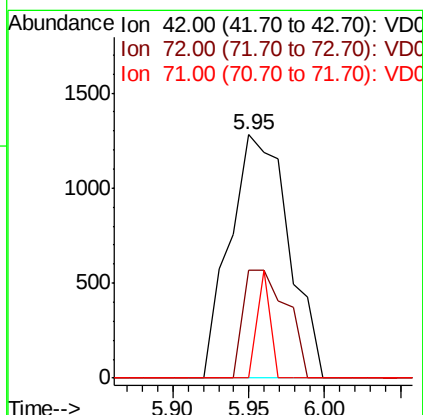
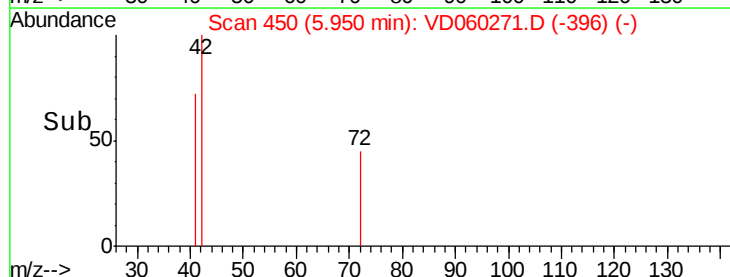
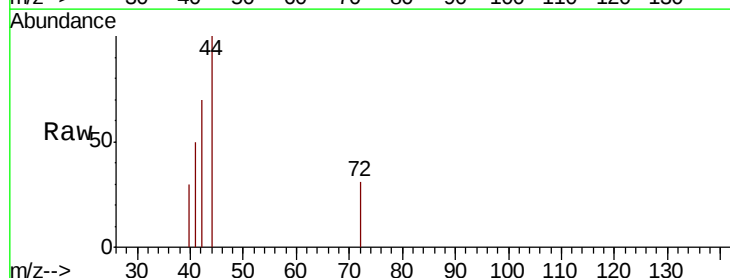
Instrument :
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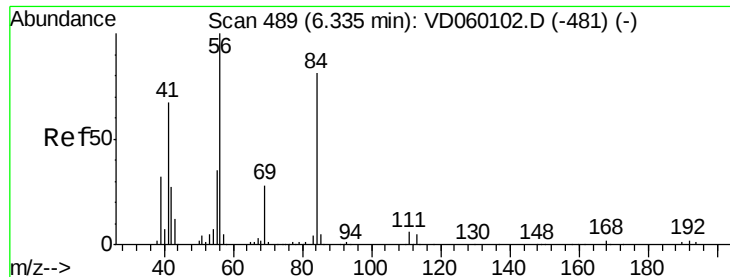
Tgt Ion: 84 Resp: 82059
Ion Ratio Lower Upper
84 100
49 138.0 114.6 172.0
51 40.1 33.8 50.8
86 61.2 53.3 79.9



#29
Tetrahydrofuran
Concen: 1.321 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Tgt Ion: 42 Resp: 3470
Ion Ratio Lower Upper
42 100
72 32.6 26.9 40.3
71 9.6 26.7 40.1#

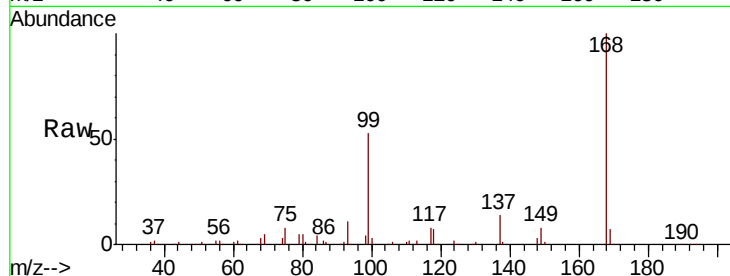




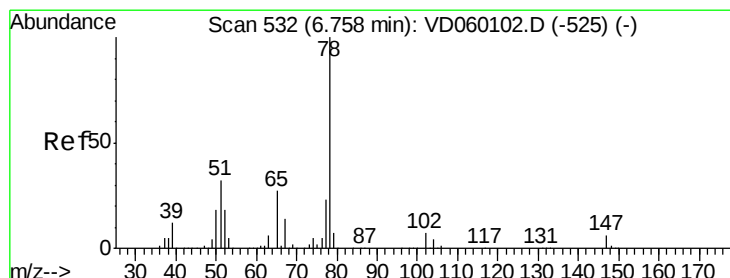
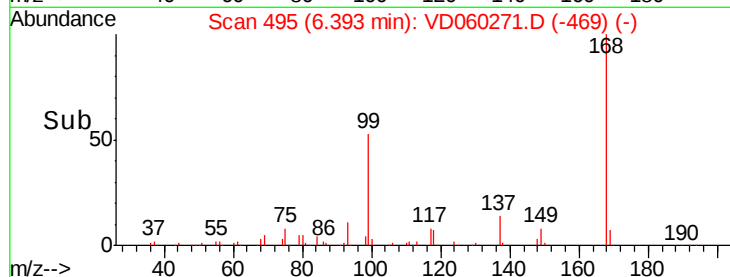
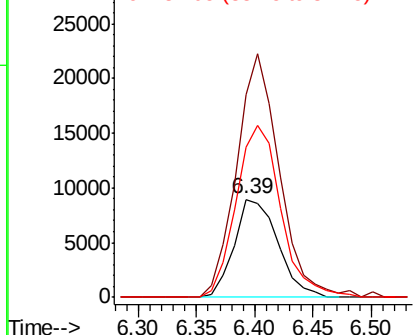
#31
Cyclohexane
Concen: 1.075 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
AU-05-103118-A

Tgt Ion: 56 Resp: 23226
Ion Ratio Lower Upper
56 100
69 207.5 22.8 34.2#
84 153.5 64.9 97.3#

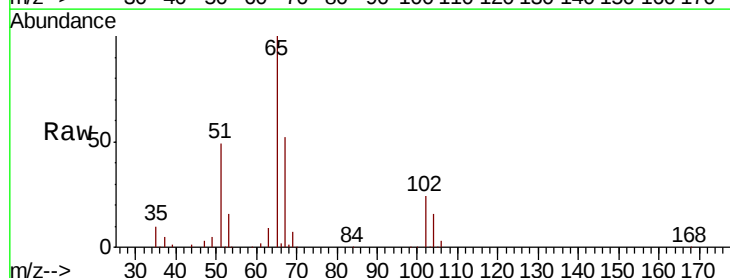


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

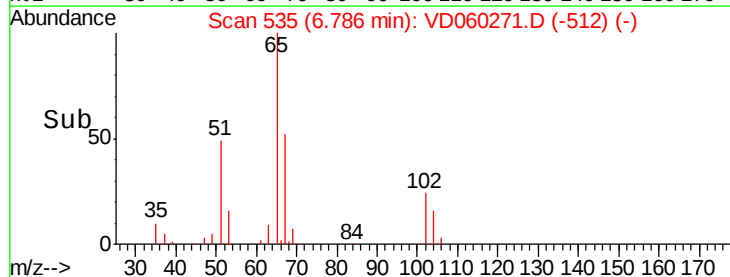
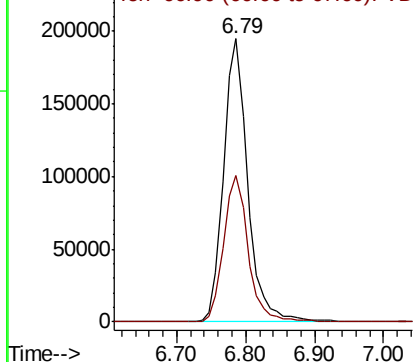


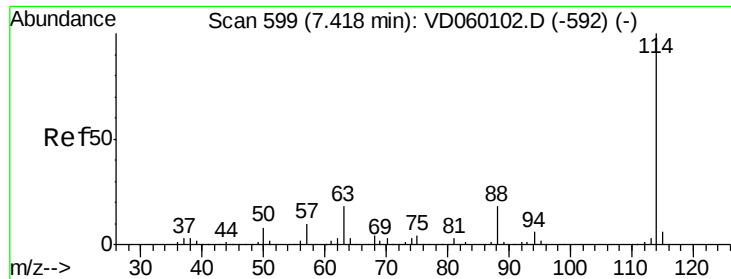
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Tgt Ion: 65 Resp: 472189
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2



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

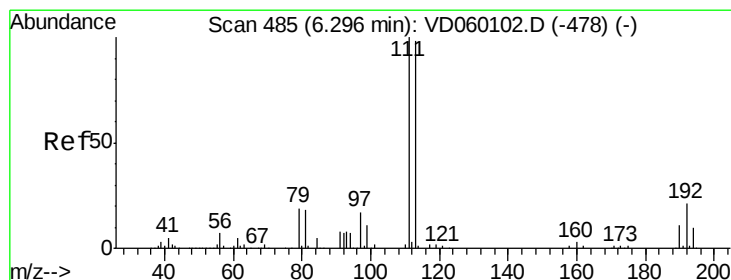
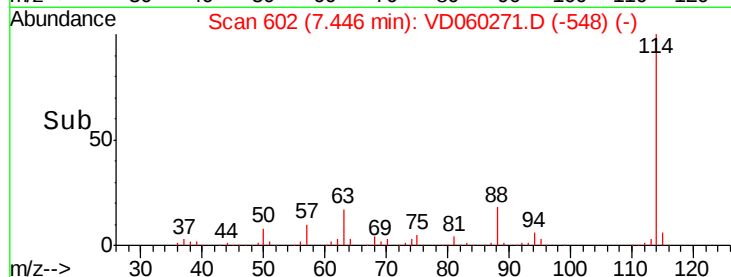
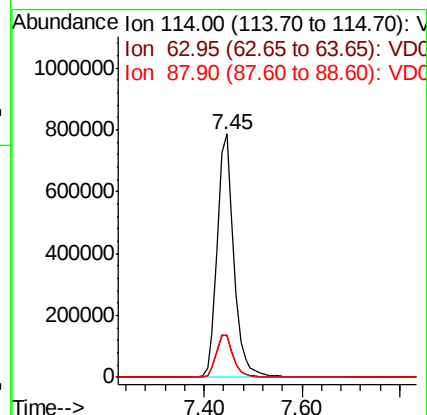
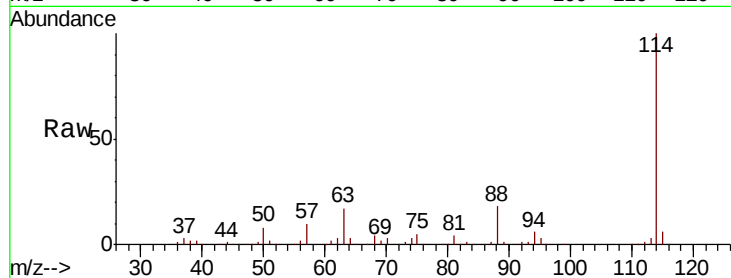




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060271.D
 Acq: 1 Nov 2018 19:26

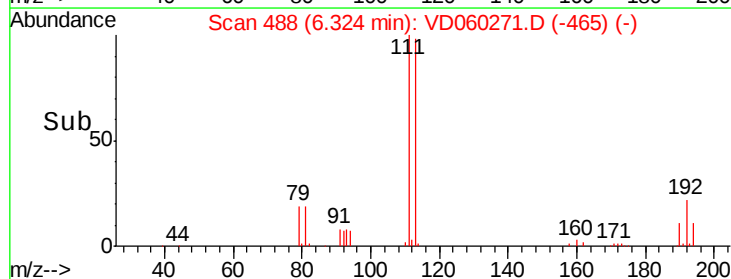
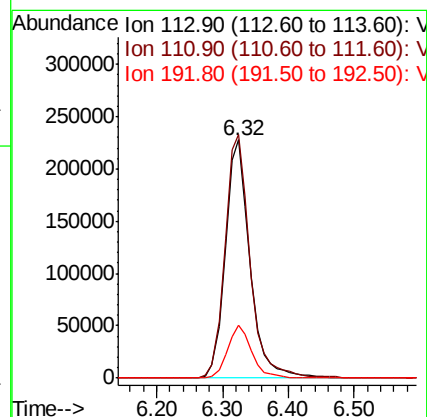
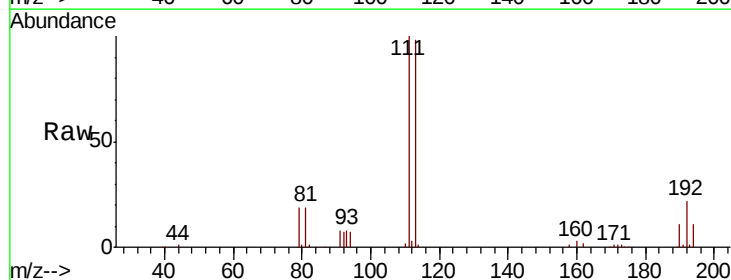
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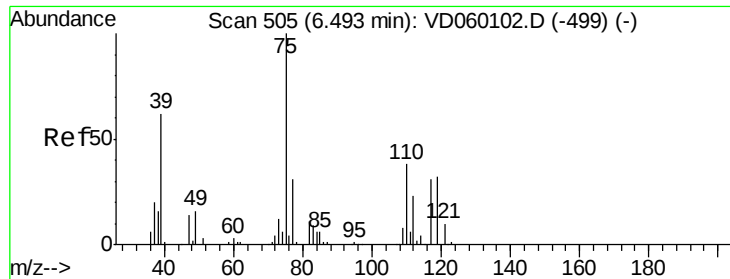
Tgt Ion:114 Resp: 1875546
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.0
 88 17.8 0.0 36.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060271.D
 Acq: 1 Nov 2018 19:26

Tgt Ion:113 Resp: 593316
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 22.3 17.4 26.0

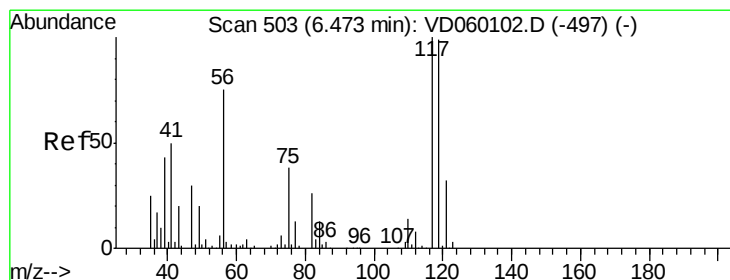
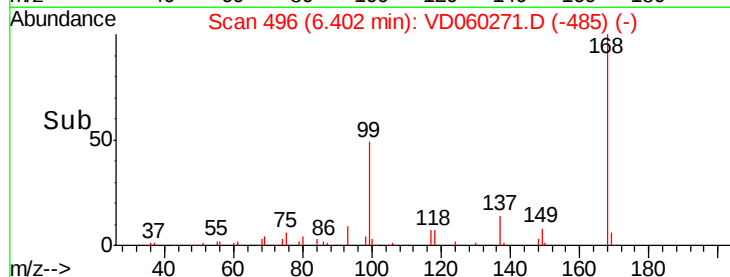
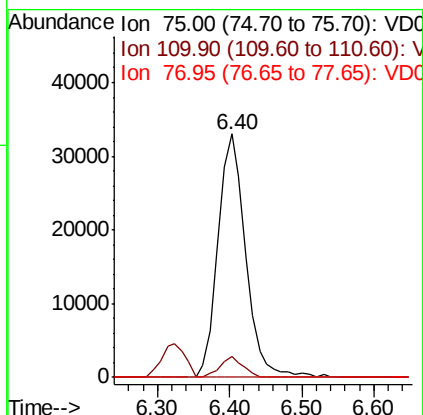
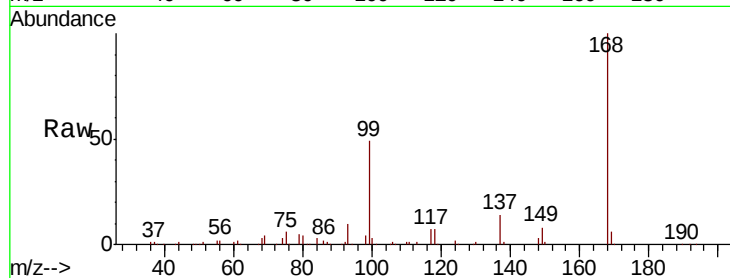




#36
 1,1-Dichloropropene
 Concen: 4.872 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060271.D
 Acq: 1 Nov 2018 19:26

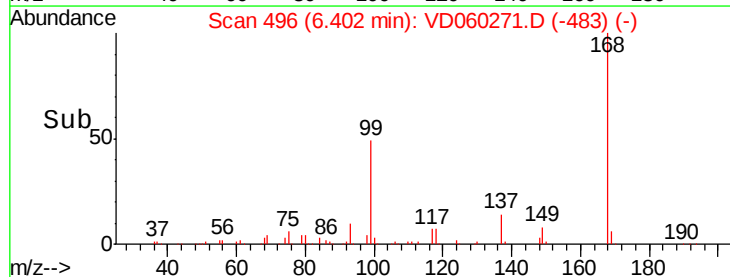
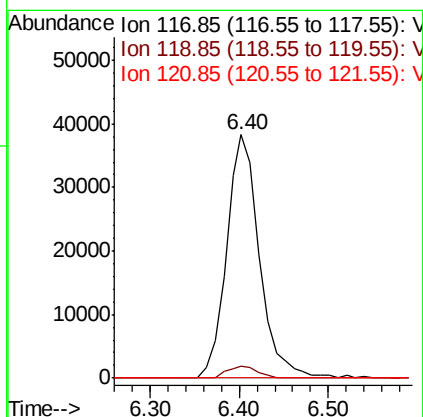
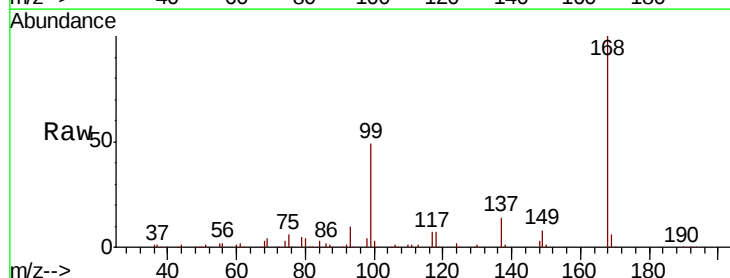
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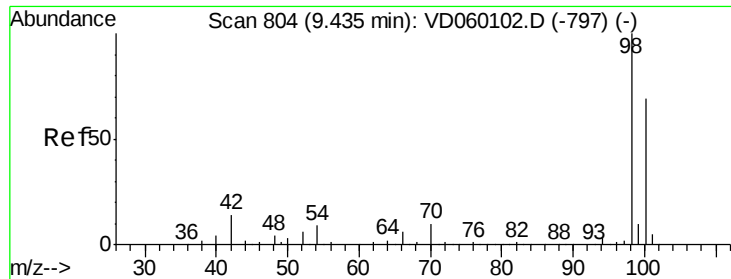
Tgt Ion: 75 Resp: 87320
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.0 57.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.039 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.07 min
 Lab File: VD060271.D
 Acq: 1 Nov 2018 19:26

Tgt Ion: 117 Resp: 98241
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.8 116.6#
 121 0.0 24.8 37.2#

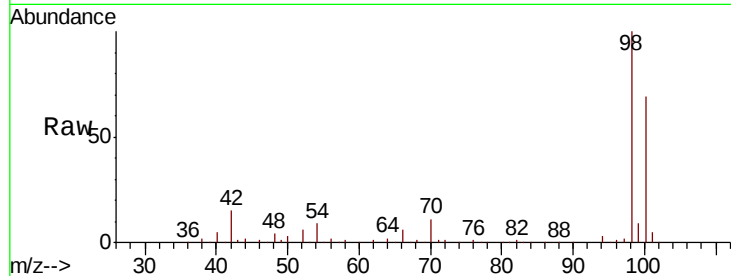




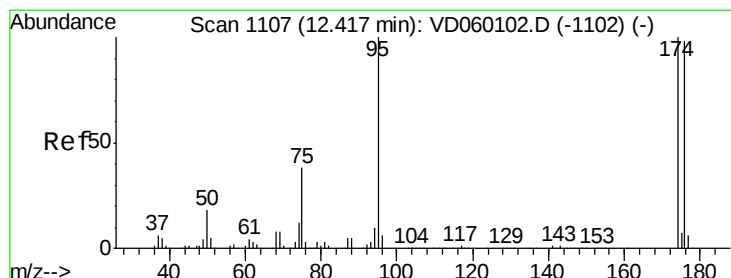
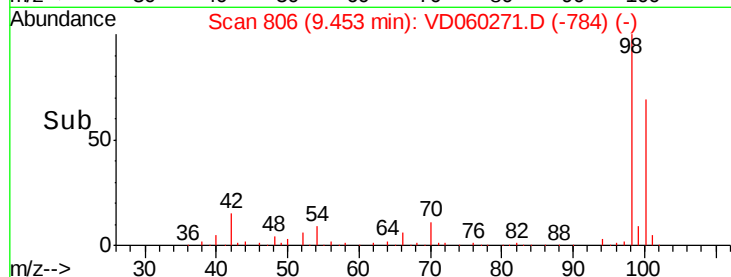
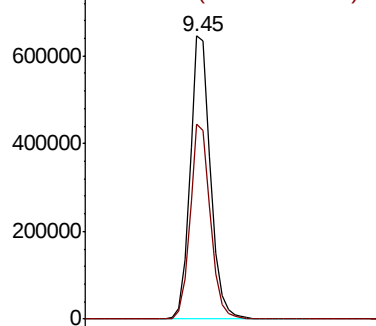
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
AU-05-103118-A

Tgt Ion: 98 Resp: 1454986
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.0

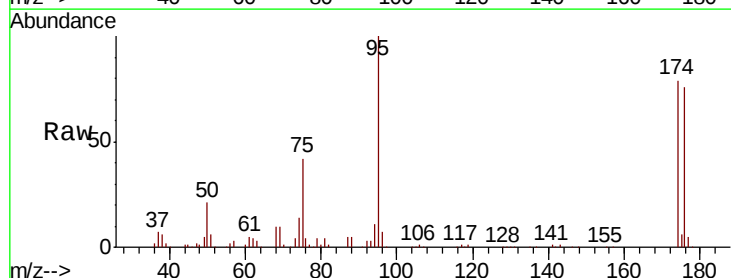


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

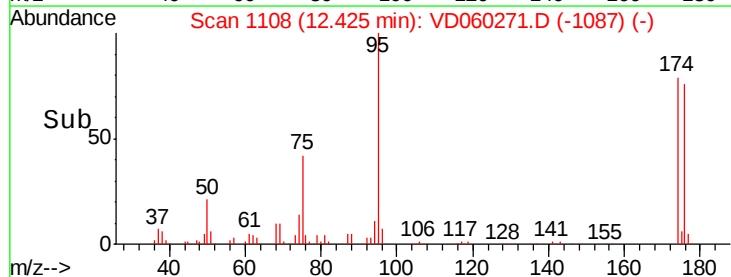
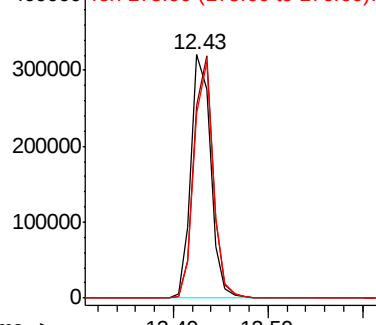


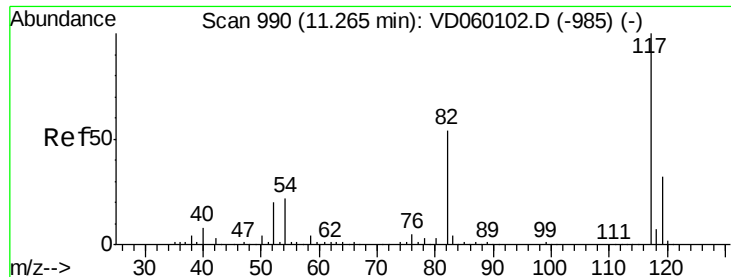
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Tgt Ion: 95 Resp: 464928
Ion Ratio Lower Upper
95 100
174 78.9 0.0 200.2
176 76.1 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

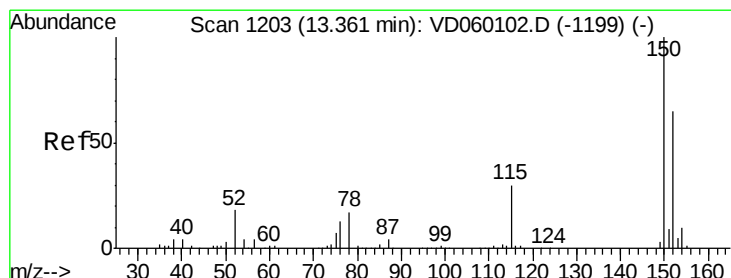
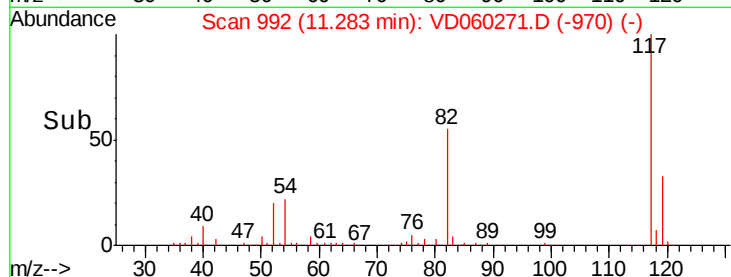
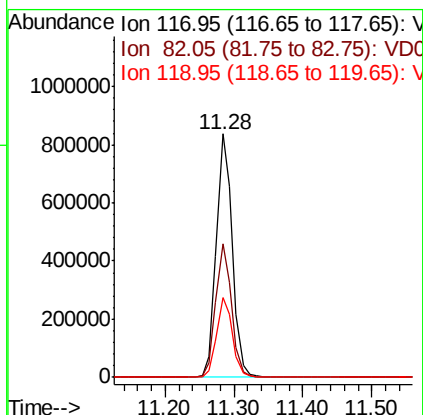
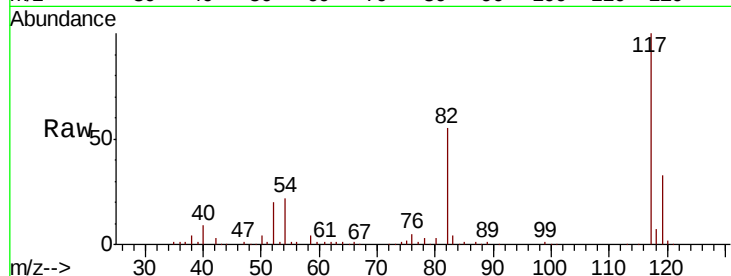




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

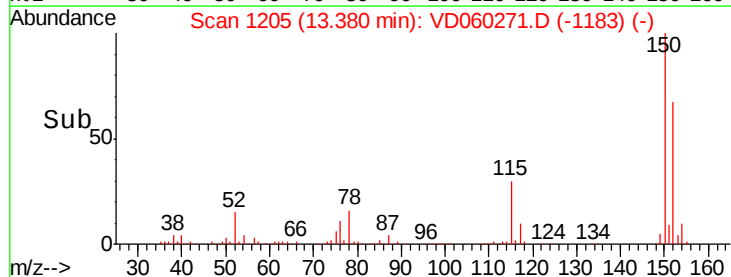
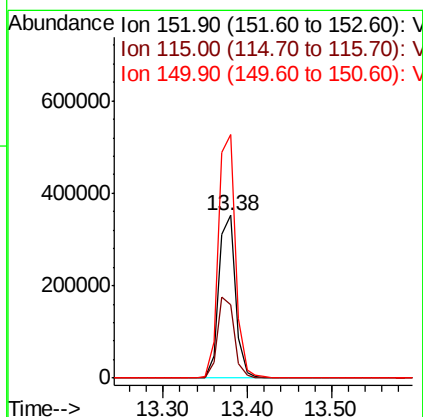
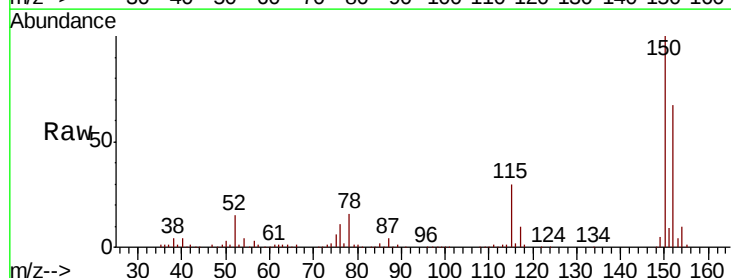
Instrument :
MSVOA_D
ClientSampleId :
AU-05-103118-A

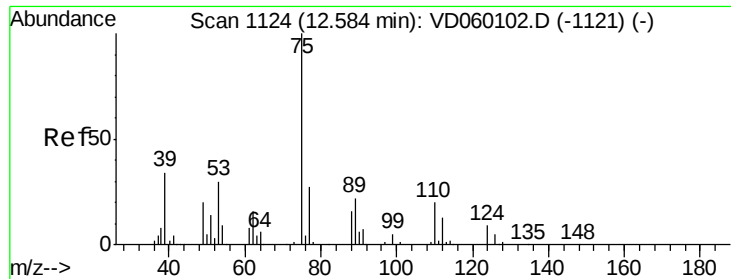
Tgt Ion:117 Resp: 1344055
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.2
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060271.D
Acq: 1 Nov 2018 19:26

Tgt Ion:152 Resp: 484300
Ion Ratio Lower Upper
152 100
115 45.6 27.1 81.2
150 149.9 0.0 311.8





#76

1,2,3-Trichloropropane

Concen: 26.406 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060271.D

Acq: 1 Nov 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

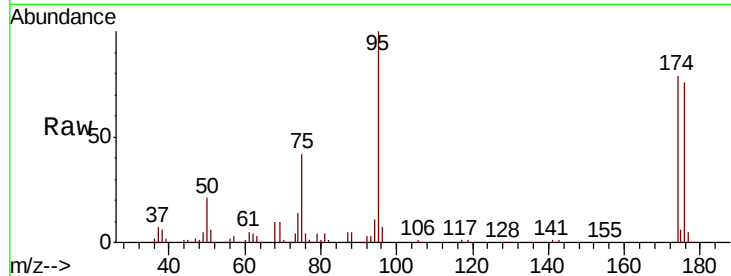
AU-05-103118-A

Tgt Ion: 75 Resp: 184168

Ion Ratio Lower Upper

75 100

77 1.7 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

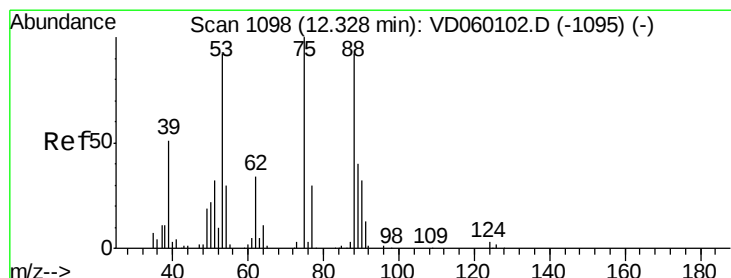
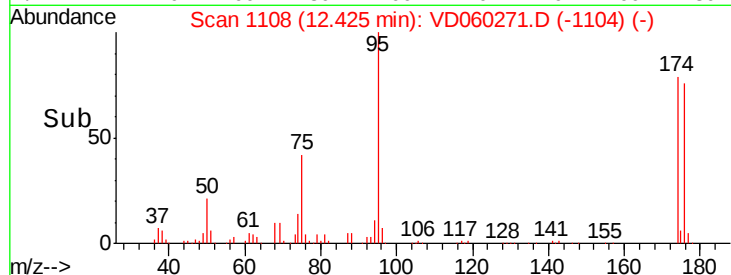
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 95.041 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060271.D

Acq: 1 Nov 2018 19:26

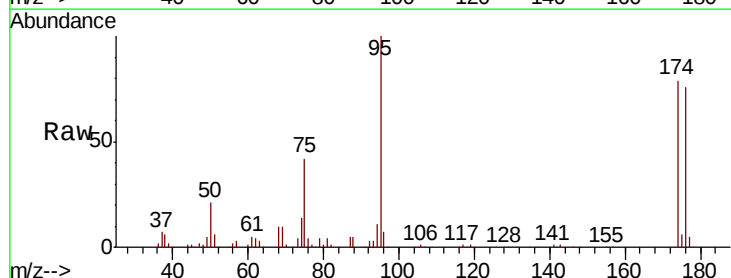
Tgt Ion: 75 Resp: 186256

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

12.43

150000

100000

50000

0

Time-->

