

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060252.D
 Acq On : 31 Oct 2018 20:10
 Operator : VA/AP
 Sample : J5205-09
 Misc : 5.49g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-103018-B

Quant Time: Oct 31 23:55:36 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	6.42	168	1638344	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2320974	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1719442	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	703051	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	590709	47.57	ug/l	0.03
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	6.33	113	747614	42.42	ug/l	0.03
Spiked Amount			Recovery	=	84.84%	
50) Toluene-d8	9.46	98	1909368	37.99	ug/l	0.02
Spiked Amount			Recovery	=	75.98%	
62) 4-Bromofluorobenzene	12.43	95	646676	34.37	ug/l	0.01
Spiked Amount			Recovery	=	68.74%	

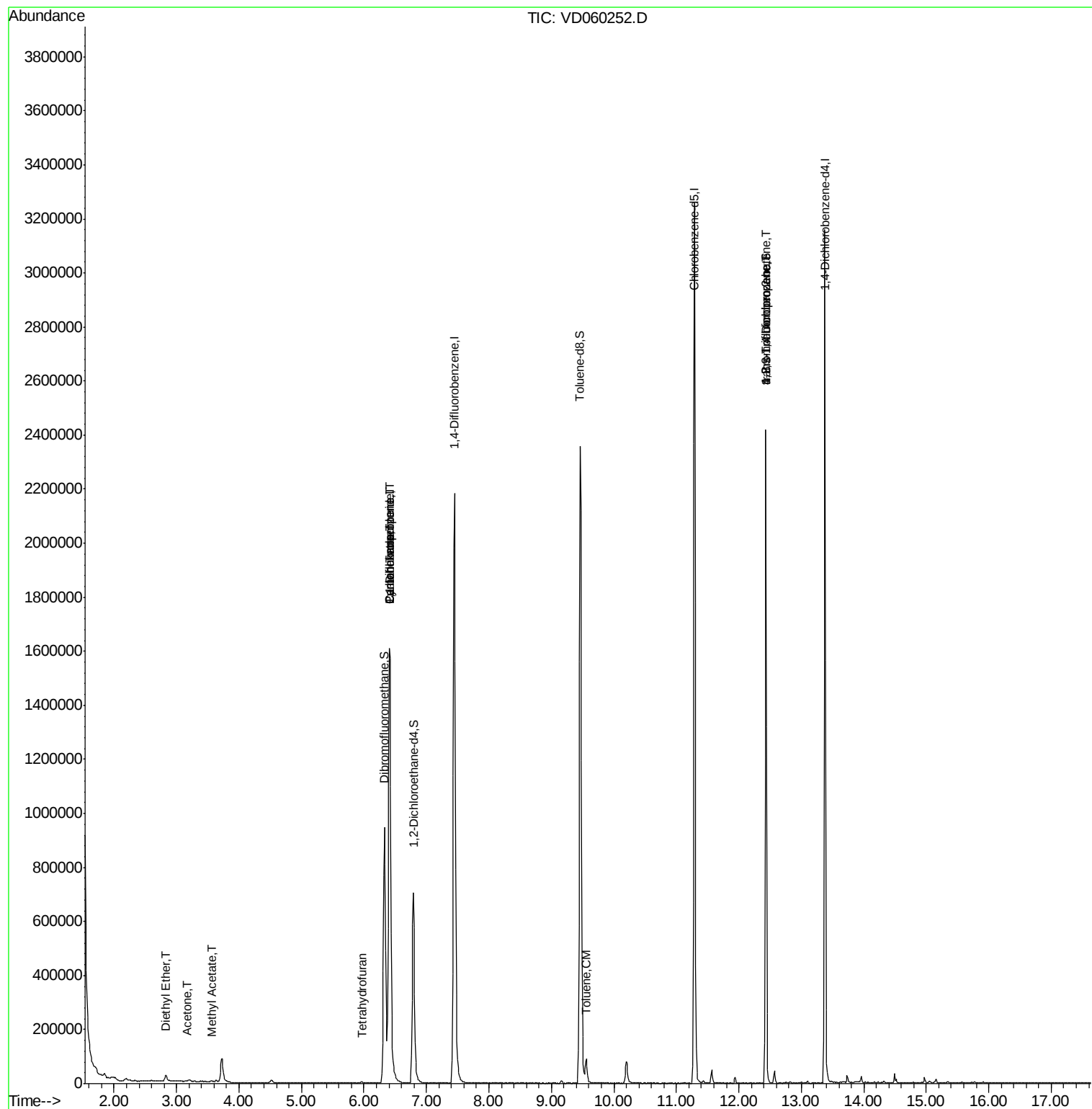
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	8348	2.981	ug/l	96
16) Acetone	3.16	43	5708	2.533	ug/l	94
18) Methyl Acetate	3.56	43	4960	1.024	ug/l #	63
20) Methylene Chloride	3.73	84	58609	Below Cal		98
29) Tetrahydrofuran	5.97	42	4105	1.255	ug/l #	81
31) Cyclohexane	6.41	56	29579	1.099	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	114167	5.148	ug/l #	46
38) Carbon Tetrachloride	6.41	117	126241	6.271	ug/l #	16
52) Toluene	9.56	92	43772	1.171	ug/l	94
76) 1,2,3-Trichloropropane	12.43	75	263946	26.069	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	264031	92.807	ug/l #	13

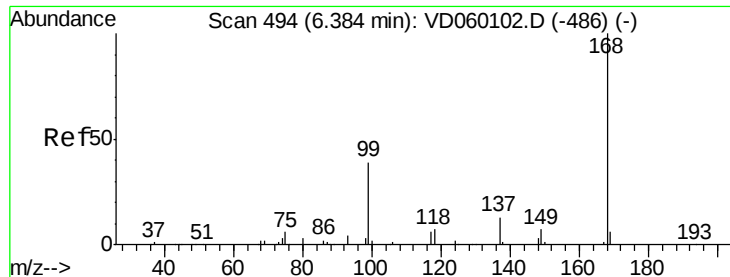
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\
Data File : VD060252.D
Acq On : 31 Oct 2018 20:10
Operator : VA/AP
Sample : J5205-09
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
TR-04-103018-B

Quant Time: Oct 31 23:55:36 2018
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: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

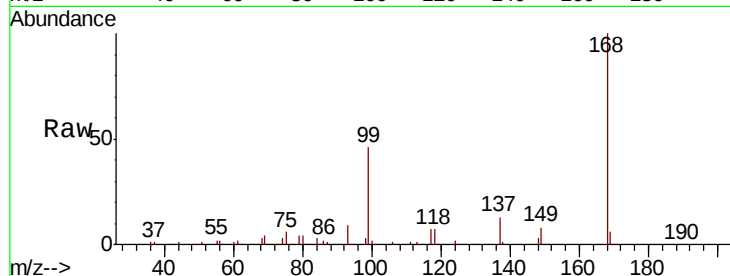
TR-04-103018-B

Tot Ion:168 Resp: 1638344

Ion Ratio Lower Upper

168 100

99 46.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

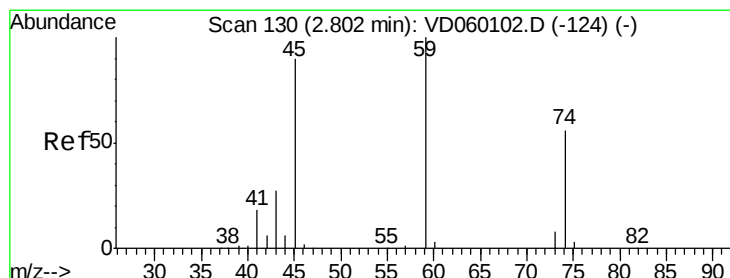
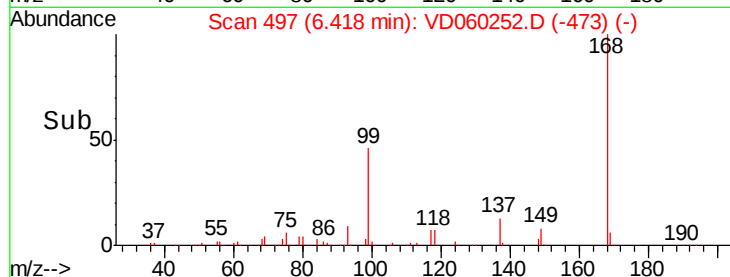
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 2.981 ug/l

RT: 2.83 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060252.D

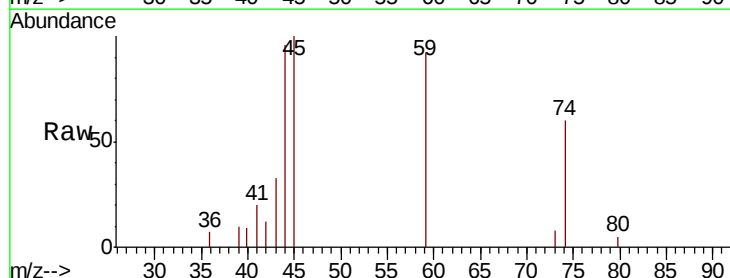
Acq: 31 Oct 2018 20:10

Tgt Ion: 74 Resp: 8348

Ion Ratio Lower Upper

74 100

45 165.6 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

8000

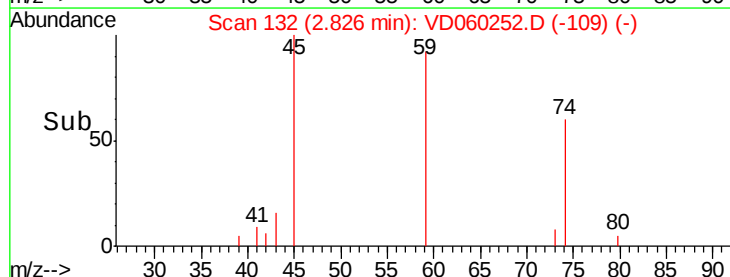
6000

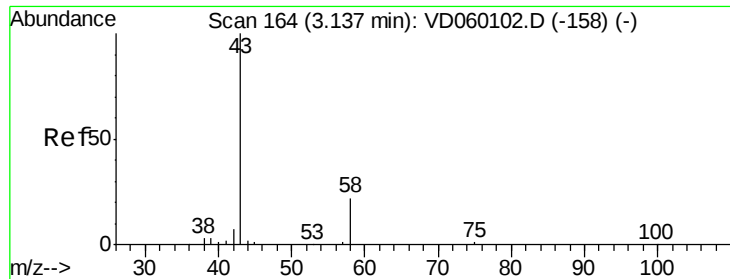
4000

2000

0

Time-->





#16

Acetone

Concen: 2.533 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

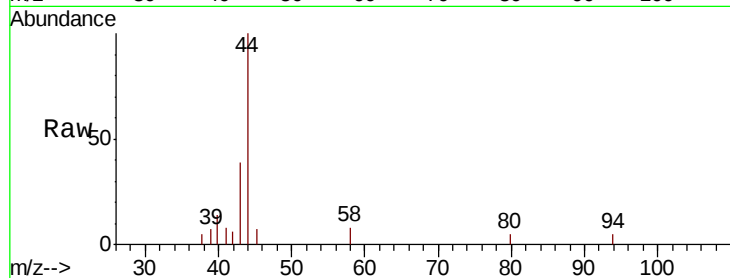
TR-04-103018-B

Tot Ion: 43 Resp: 5708

Ion Ratio Lower Upper

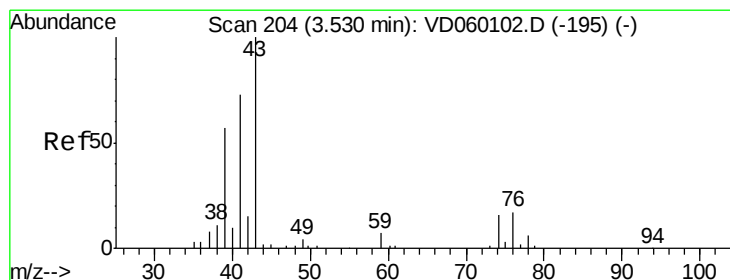
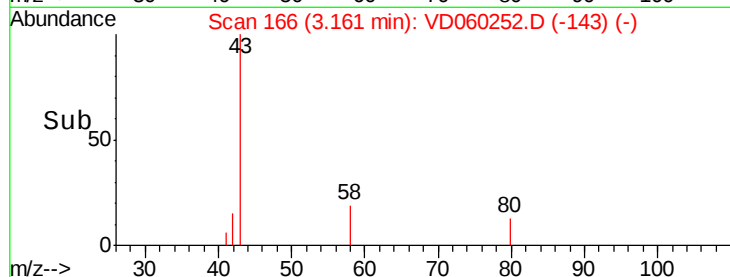
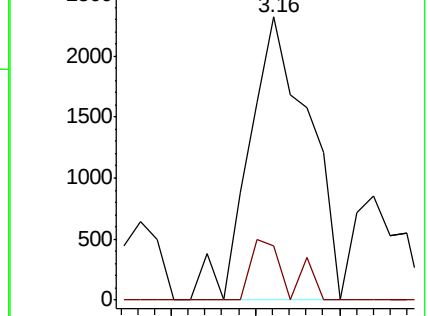
43 100

58 19.2 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: 1.024 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060252.D

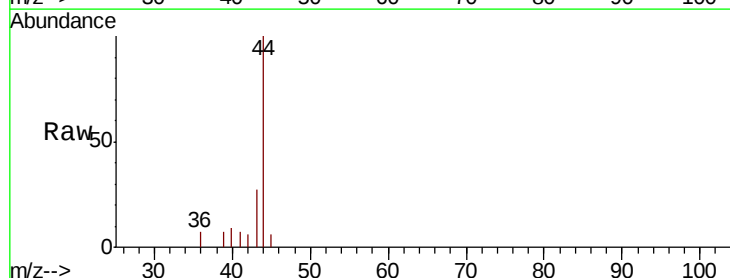
Acq: 31 Oct 2018 20:10

Tgt Ion: 43 Resp: 4960

Ion Ratio Lower Upper

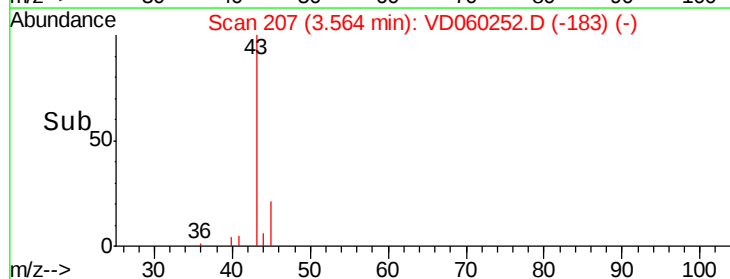
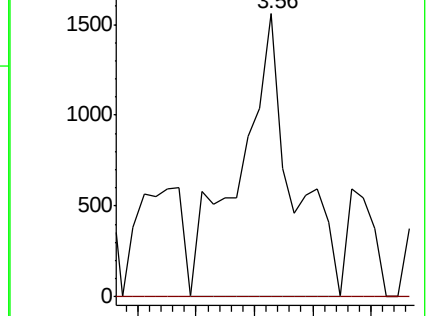
43 100

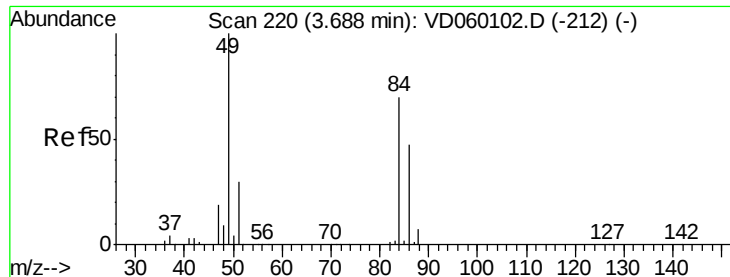
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

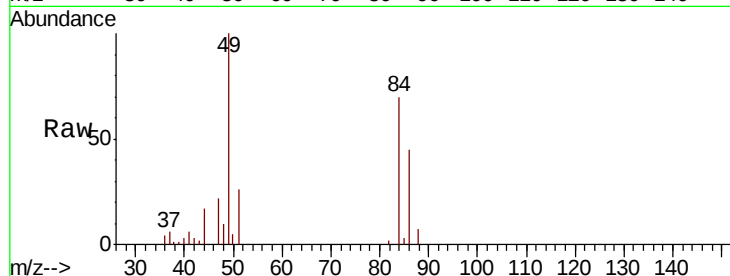




#20
Methylene Chloride
Concen: Below Cal
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :
TR-04-103018-B

Tot Ion:	84	Resp:	58609
Ion	Ratio	Lower	Upper
84	100		
49	143.5	114.6	172.0
51	37.0	33.8	50.8
86	65.0	53.3	79.9



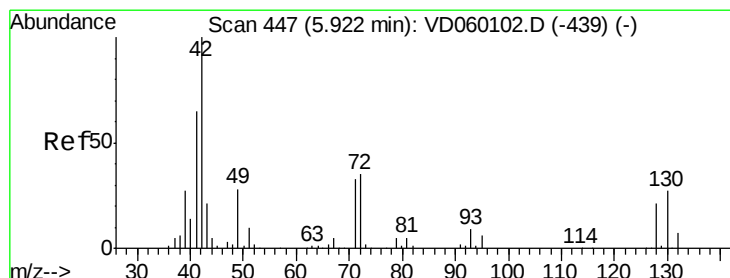
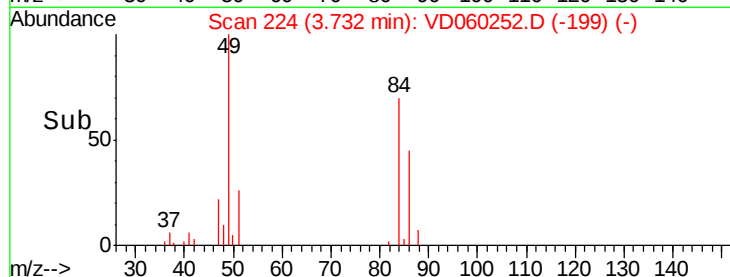
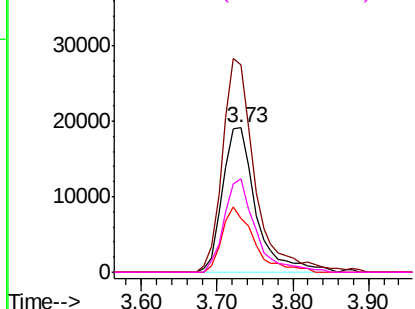
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

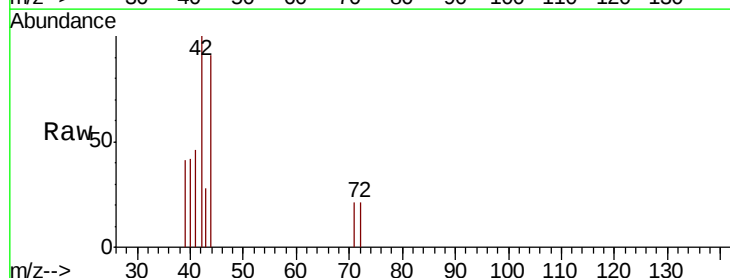
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#29
Tetrahydrofuran
Concen: 1.255 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Tgt Ion:	42	Resp:	4105
Ion	Ratio	Lower	Upper
42	100		
72	16.7	26.9	40.3#
71	28.4	26.7	40.1

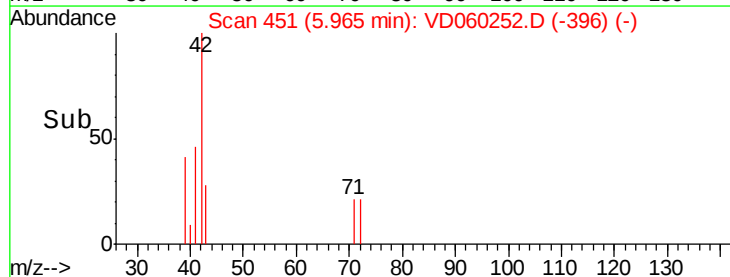
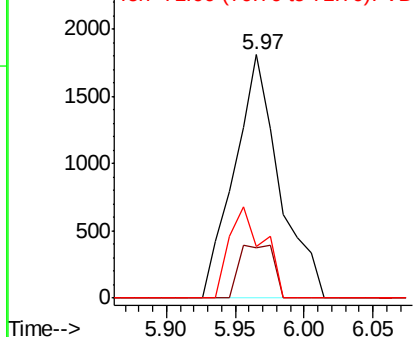


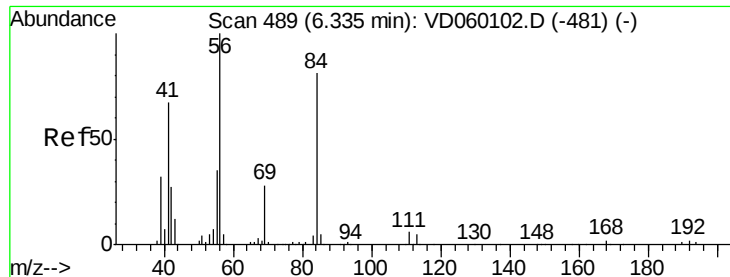
Abundance

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

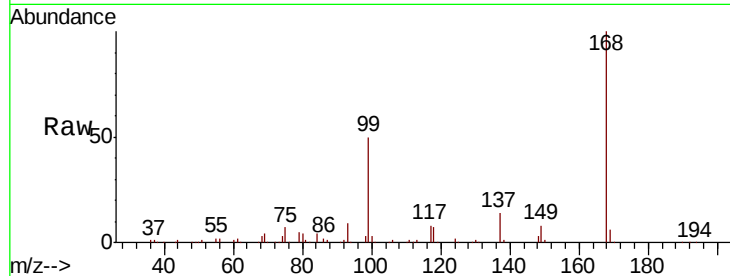




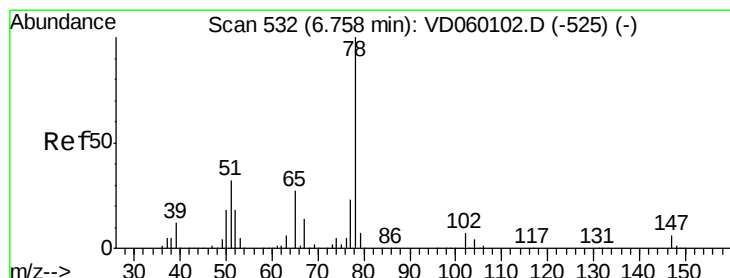
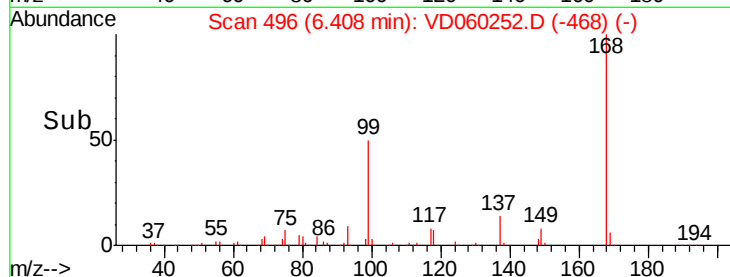
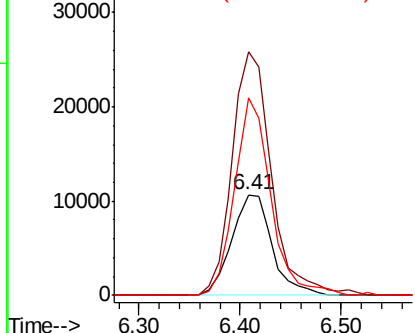
#31
Cyclohexane
Concen: 1.099 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :
TR-04-103018-B

Tot Ion: 56 Resp: 29579
Ion Ratio Lower Upper
56 100
69 241.9 22.8 34.2#
84 196.4 64.9 97.3#

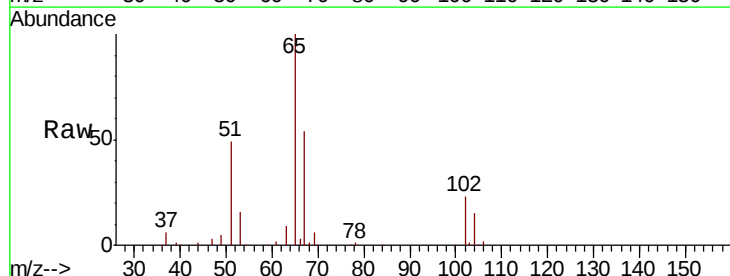


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

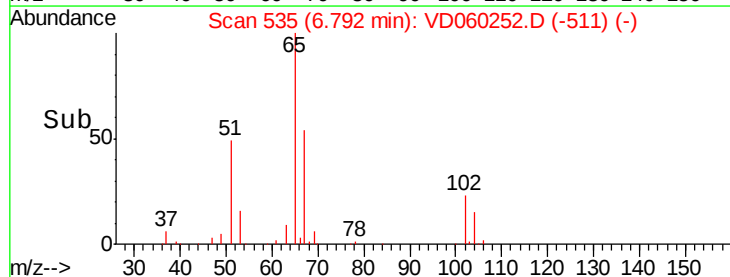
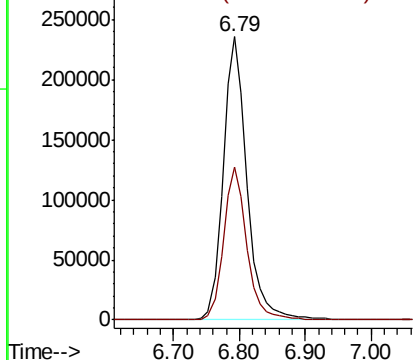


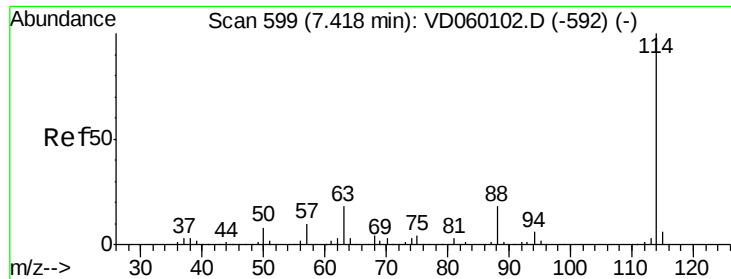
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Tgt Ion: 65 Resp: 590709
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.2



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

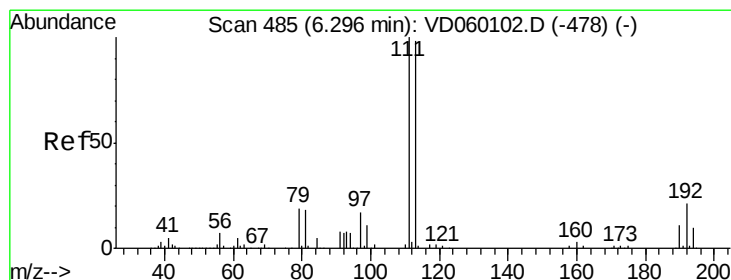
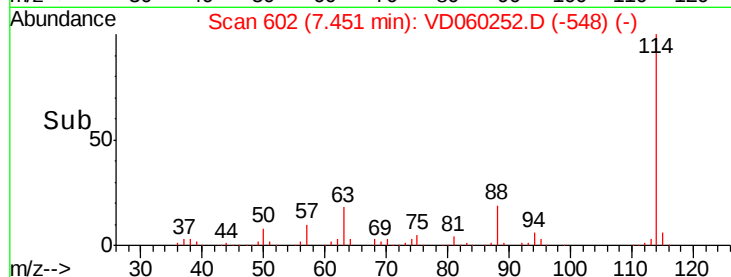
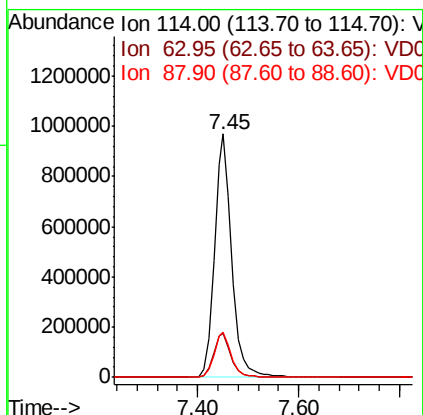
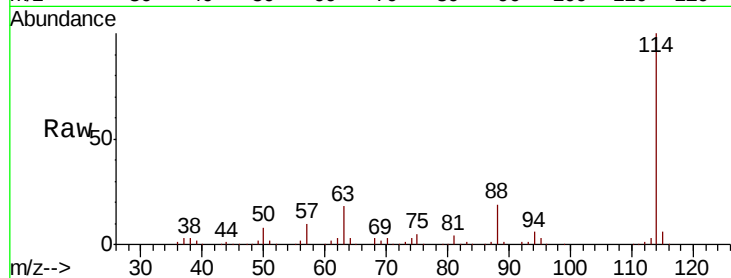




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060252.D
 Acq: 31 Oct 2018 20:10

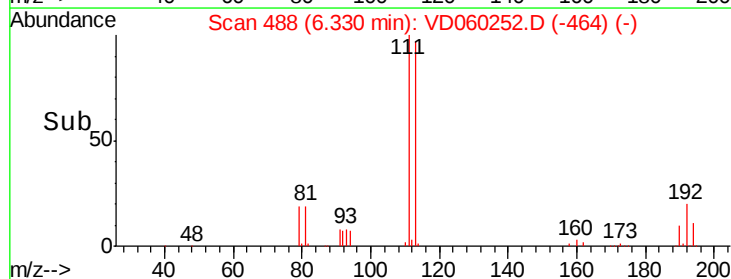
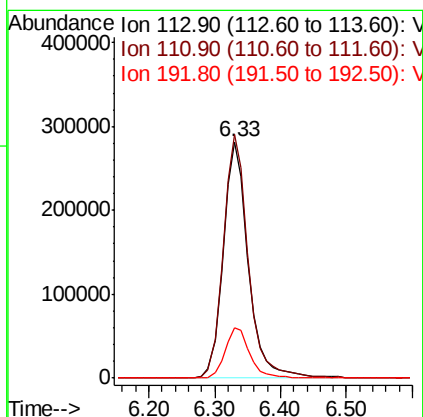
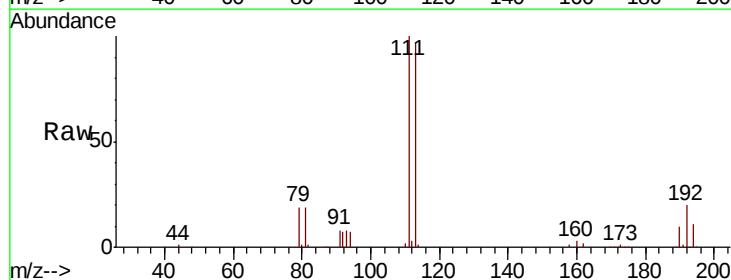
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-103018-B

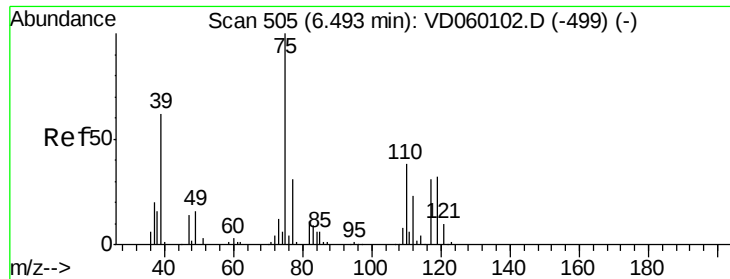
Tot Ion:114 Resp: 2320974
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 18.5 0.0 36.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060252.D
 Acq: 31 Oct 2018 20:10

Tgt Ion:113 Resp: 747614
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 21.1 17.4 26.0





#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.08 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

TR-04-103018-B

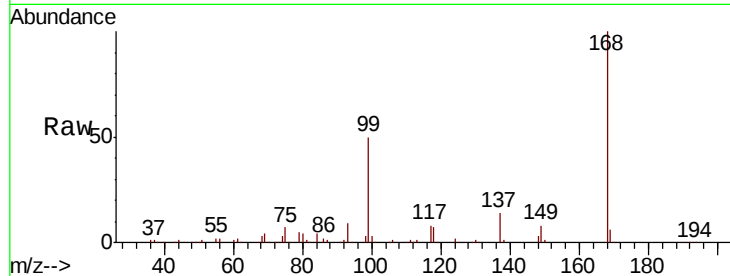
Tot Ion: 75 Resp: 114167

Ion Ratio Lower Upper

75 100

110 6.5 19.0 57.0#

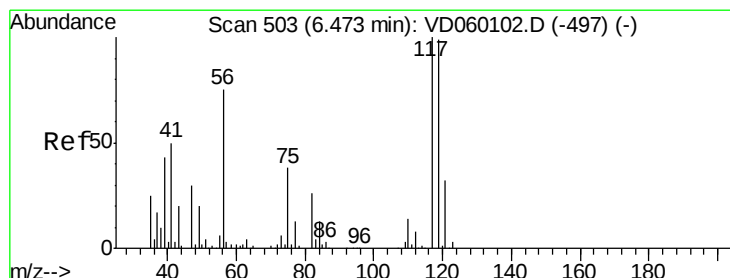
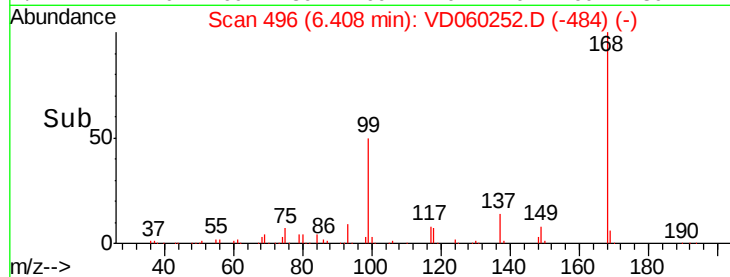
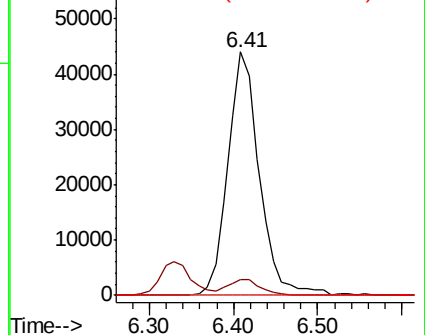
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.06 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

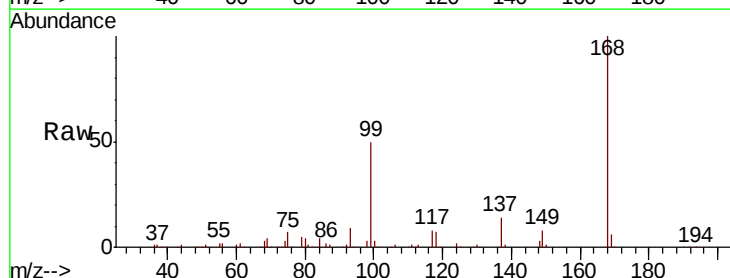
Tgt Ion: 117 Resp: 126241

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.6#

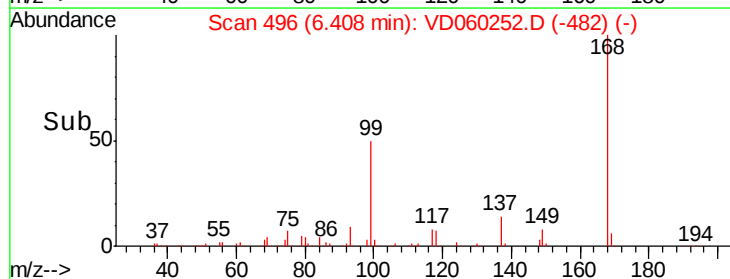
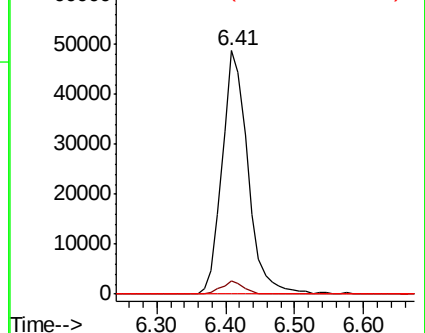
121 0.0 24.8 37.2#

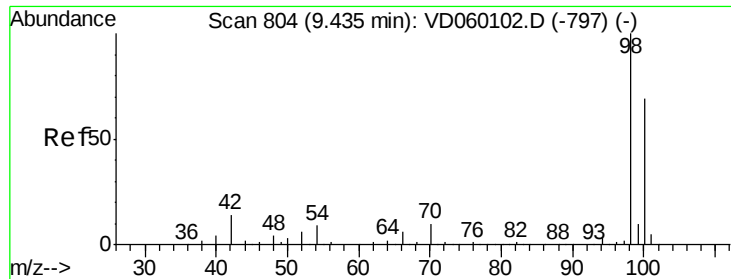


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

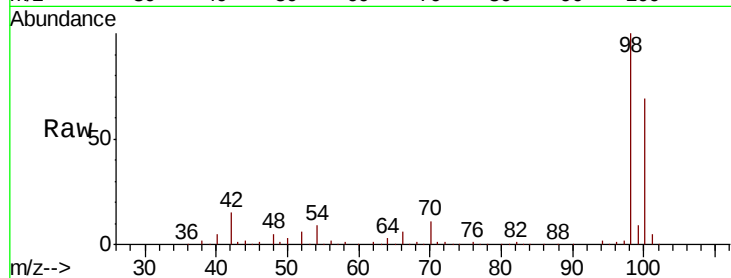




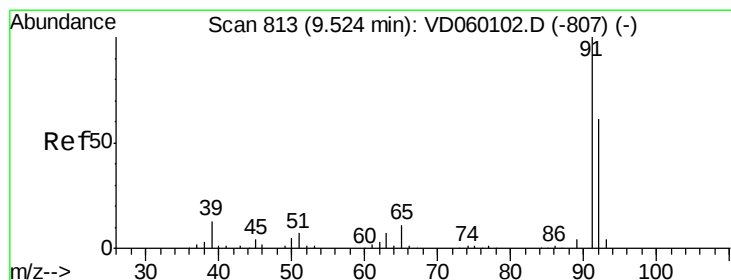
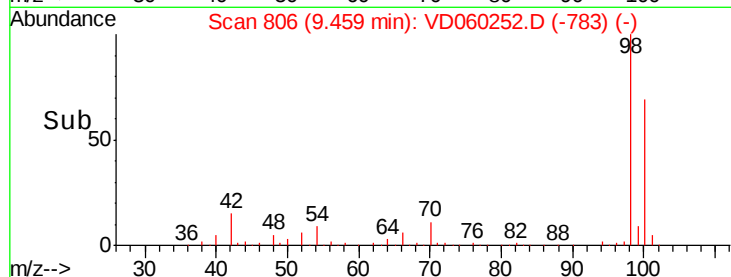
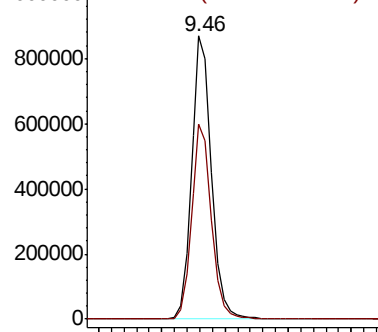
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :
TR-04-103018-B

Tot Ion: 98 Resp: 1909368
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0

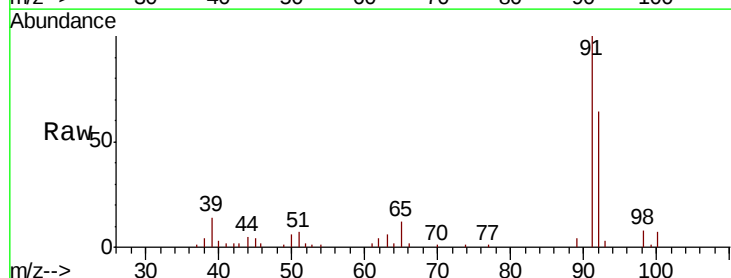


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

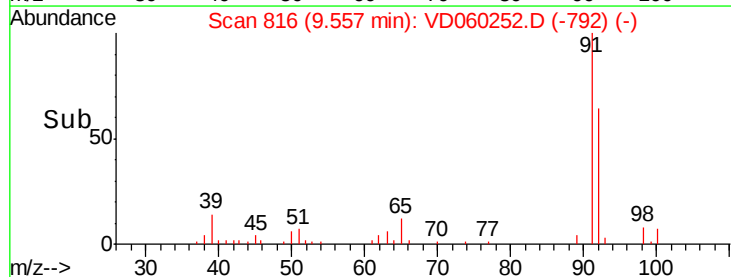
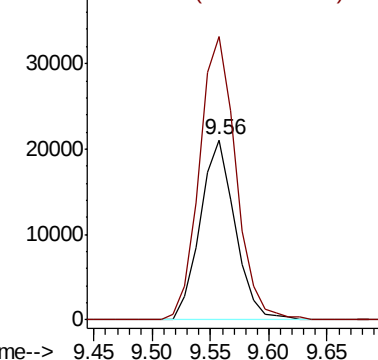


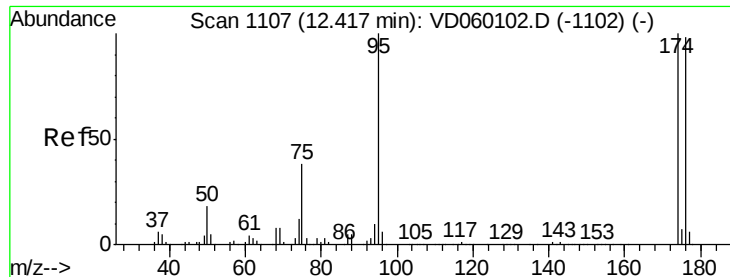
#52
Toluene
Concen: 1.171 ug/l
RT: 9.56 min Scan# 816
Delta R.T. 0.03 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Tgt Ion: 92 Resp: 43772
Ion Ratio Lower Upper
92 100
91 157.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

TR-04-103018-B

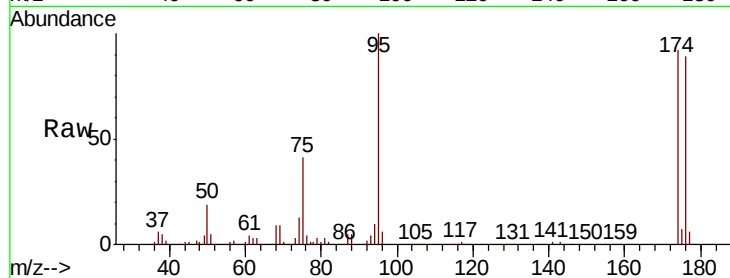
Tot Ion: 95 Resp: 646676

Ion Ratio Lower Upper

95 100

174 92.2 0.0 200.2

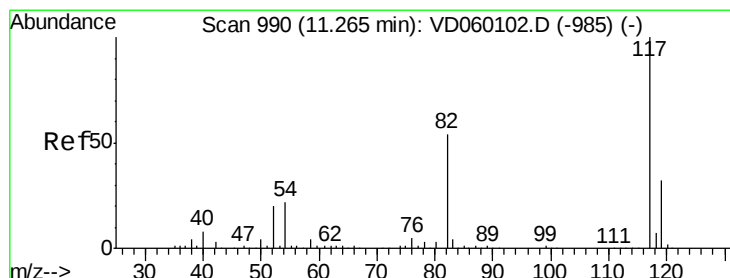
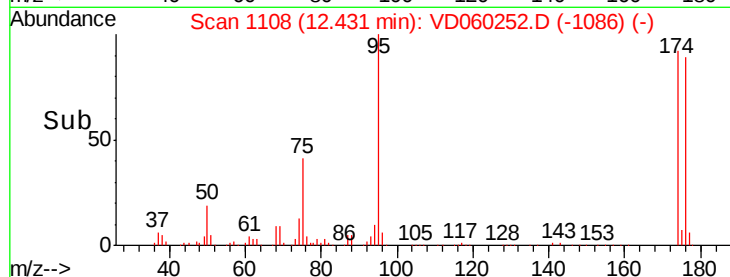
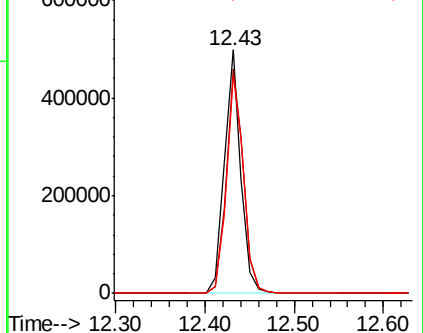
176 89.3 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

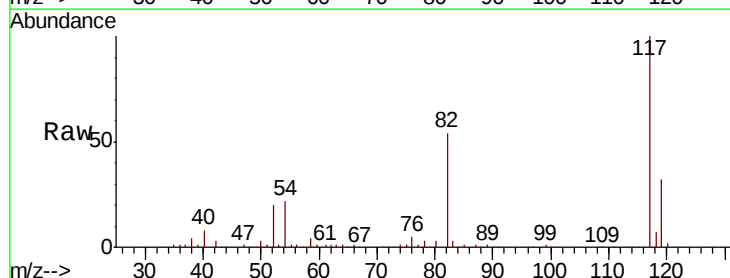
Tgt Ion: 117 Resp: 1719442

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.2

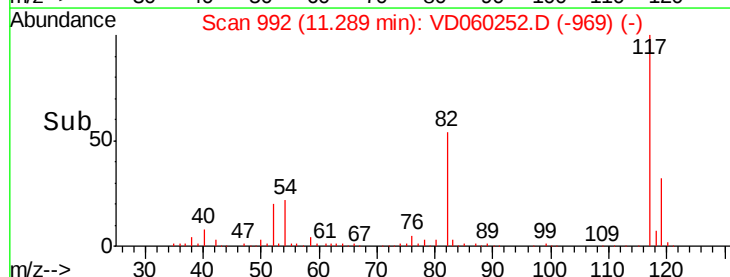
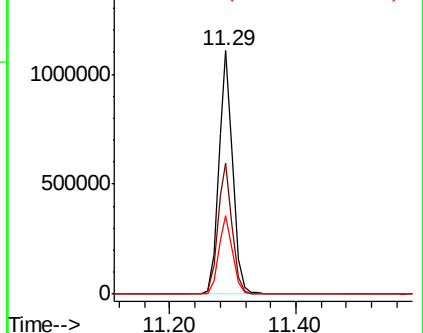
119 32.3 26.0 39.0

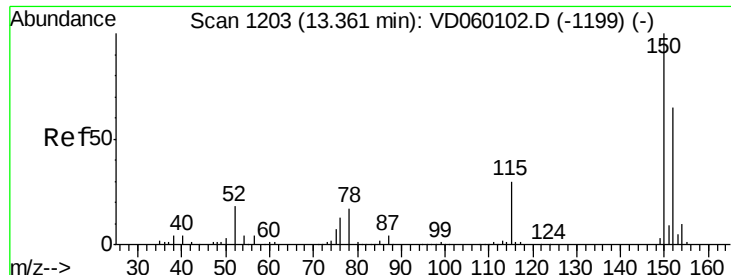


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



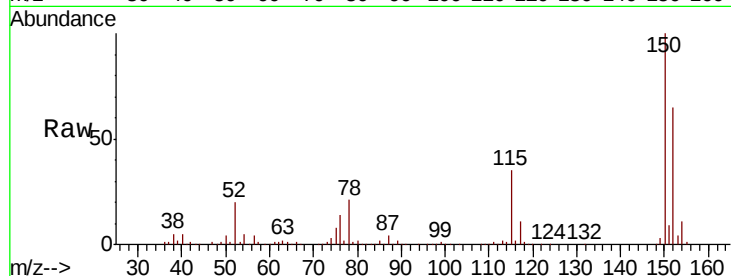


#72

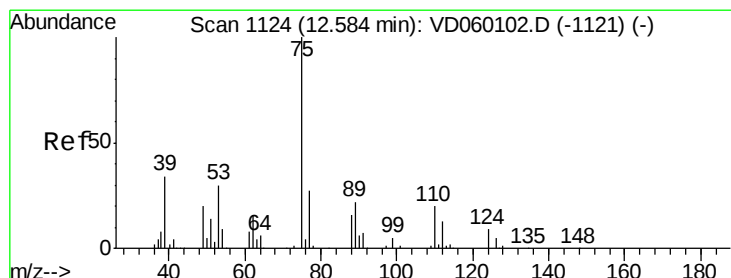
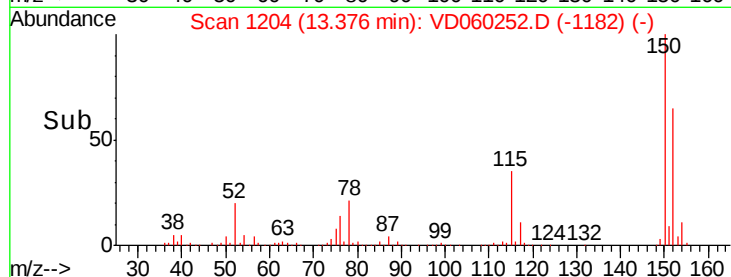
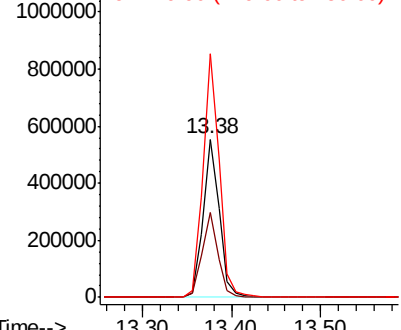
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :
TR-04-103018-B

Tot Ion:152 Resp: 703051
Ion Ratio Lower Upper
152 100
115 53.4 27.1 81.2
150 154.1 0.0 311.8



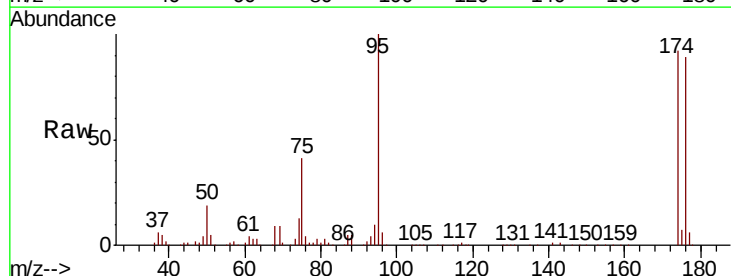
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



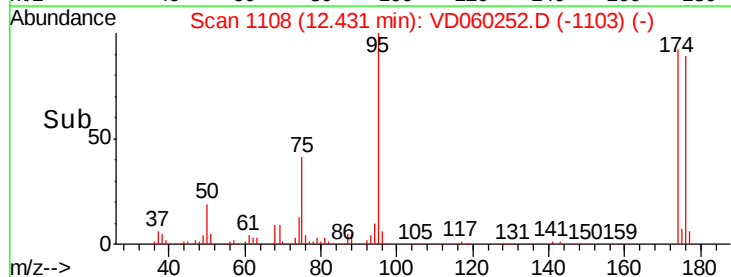
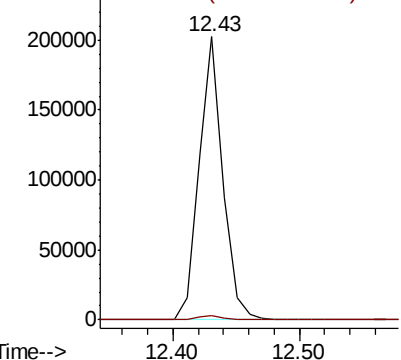
#76

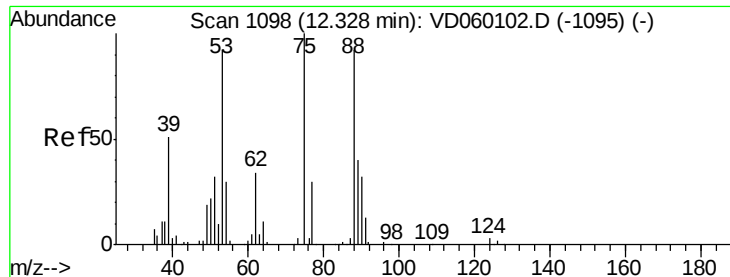
1,2,3-Trichloropropane
Concen: 26.069 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.15 min
Lab File: VD060252.D
Acq: 31 Oct 2018 20:10

Tgt Ion: 75 Resp: 263946
Ion Ratio Lower Upper
75 100
77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 92.807 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060252.D

Acq: 31 Oct 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

TR-04-103018-B

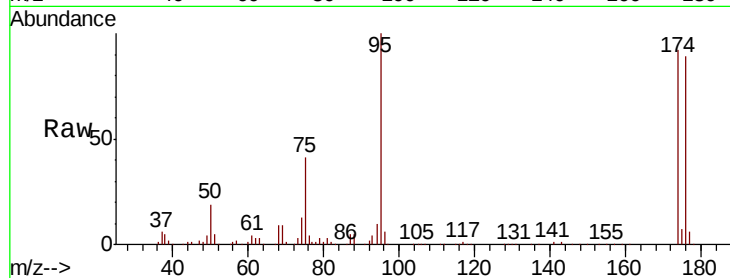
Tot Ion: 75 Resp: 264031

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

