

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121018\
 Data File : VD060524.D
 Acq On : 10 Dec 2018 14:54
 Operator : VA/AP
 Sample : J6306-01
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-16204

Quant Time: Dec 11 06:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1568193	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2190844	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1639291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	651914	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	476735	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	
35) Dibromofluoromethane	6.33	113	638017	39.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.30%	
50) Toluene-d8	9.46	98	1649176	35.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.82%	
62) 4-Bromofluorobenzene	12.43	95	522256	31.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.68%	

Target Compounds

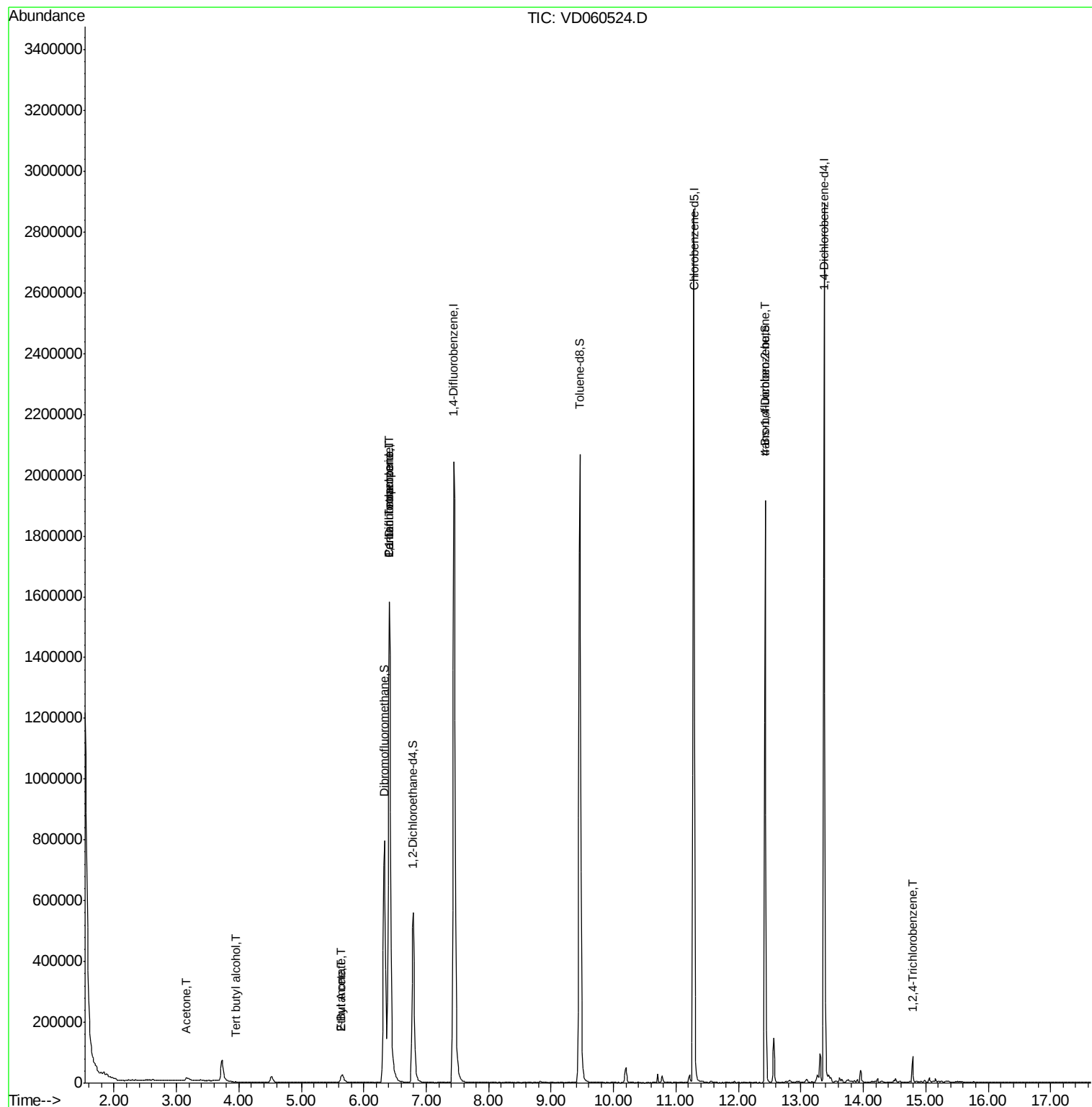
					Qvalue
2) Dichlorodifluoromethane	1.60	85	2271	Below Cal	100
11) Tert butyl alcohol	3.95	59	664	1.470 ug/l #	73
16) Acetone	3.17	43	18591	10.434 ug/l	99
20) Methylene Chloride	3.72	84	46662	Below Cal	97
25) 2-Butanone	5.63	43	10547	3.009 ug/l	94
31) Cyclohexane	6.41	56	29107	Below Cal #	1
36) 1,1-Dichloropropene	6.41	75	109879	5.131 ug/l #	47
37) Ethyl Acetate	5.63	43	10547	1.136 ug/l #	68
38) Carbon Tetrachloride	6.41	117	118055	6.141 ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.43	75	212028	102.919 ug/l #	14
89) n-Butylbenzene	13.65	91	2085	Below Cal #	85
93) 1,2,4-Trichlorobenzene	14.79	180	22595	1.611 ug/l	97

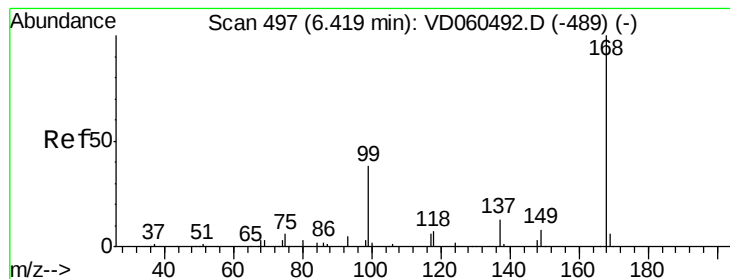
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060524.D

Acq: 10 Dec 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

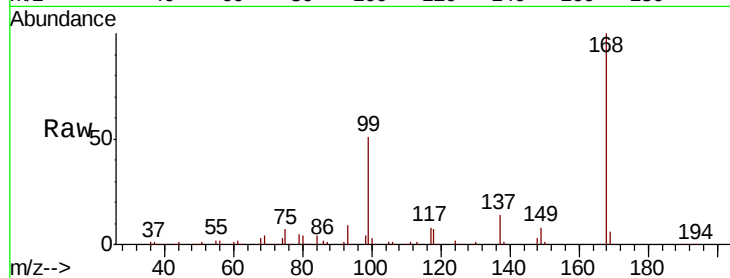
VB-16204

Tot Ion:168 Resp: 1568193

Ion Ratio Lower Upper

168 100

99 50.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

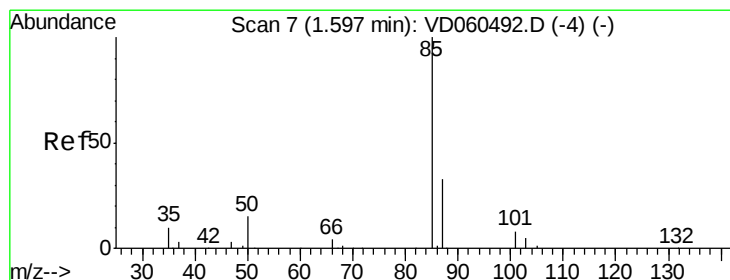
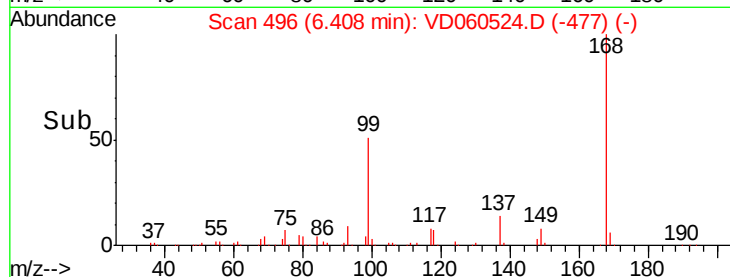
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060524.D

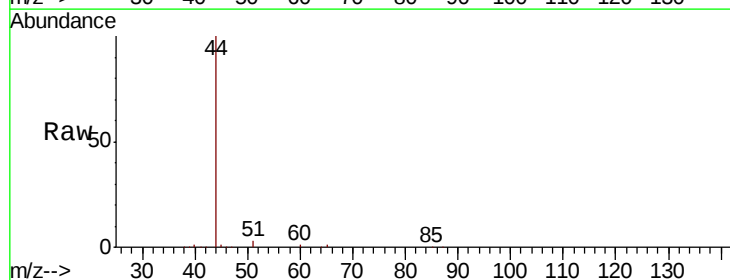
Acq: 10 Dec 2018 14:54

Tgt Ion: 85 Resp: 2271

Ion Ratio Lower Upper

85 100

87 33.4 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

1200

1000

800

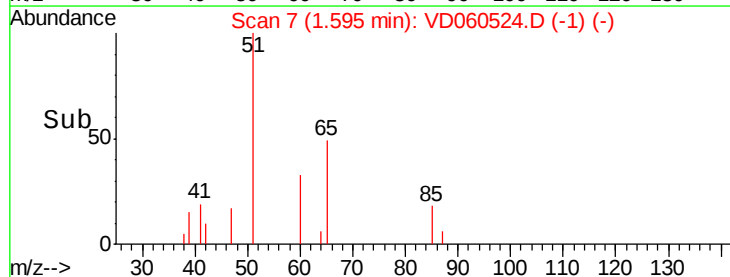
600

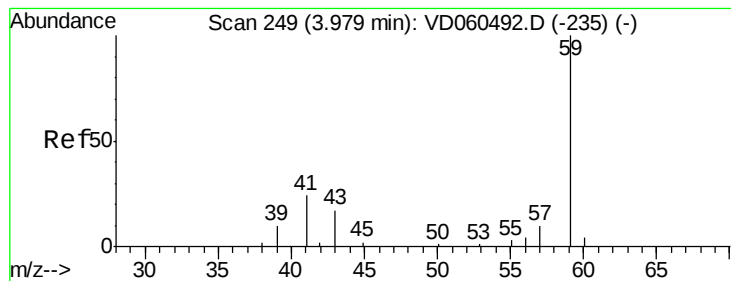
400

200

0

Time-->



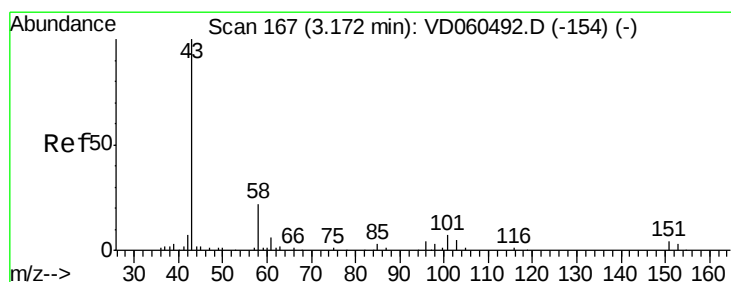
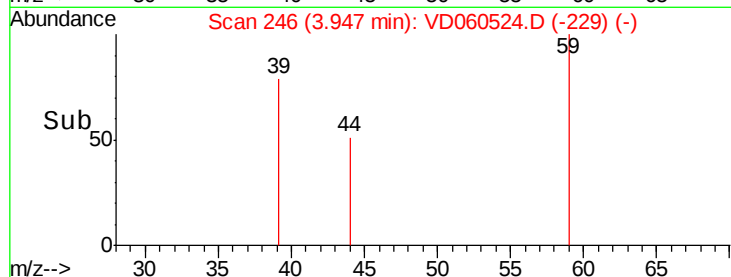
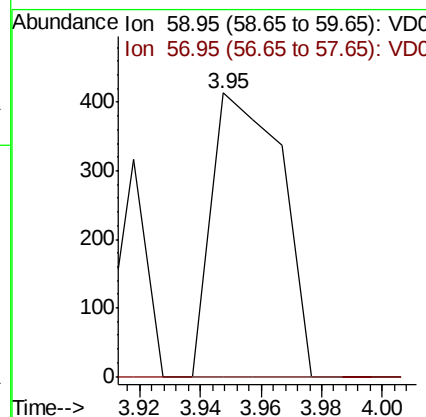
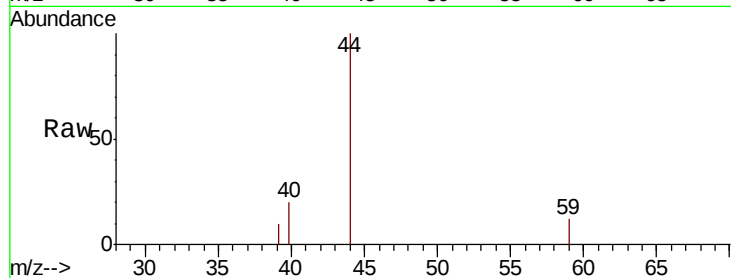


#11

Tert butyl alcohol
 Concen: 1.470 ug/l
 RT: 3.95 min Scan# 246
 Delta R.T. -0.03 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VB-16204

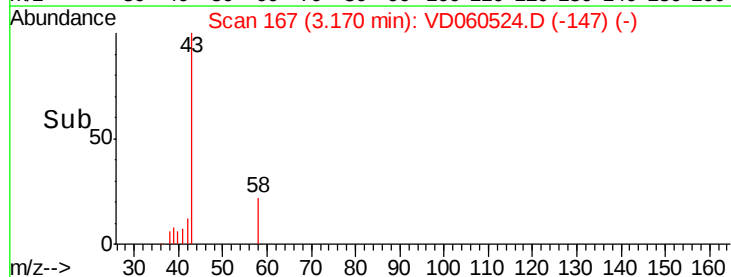
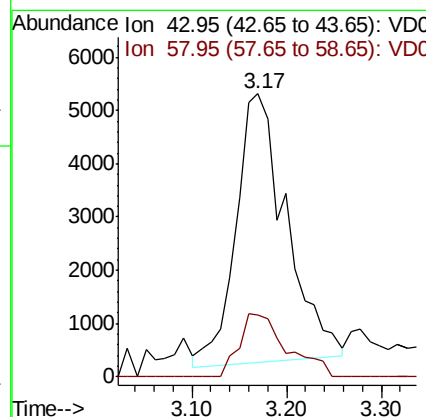
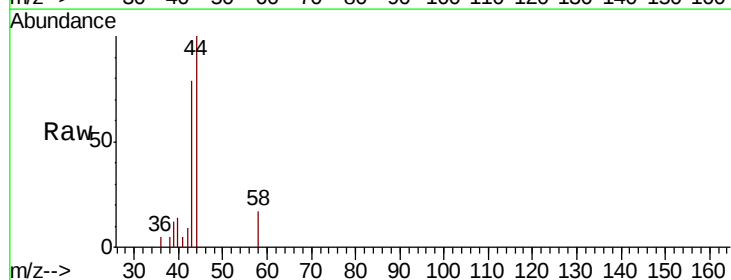
Tot Ion: 59 Resp: 664
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

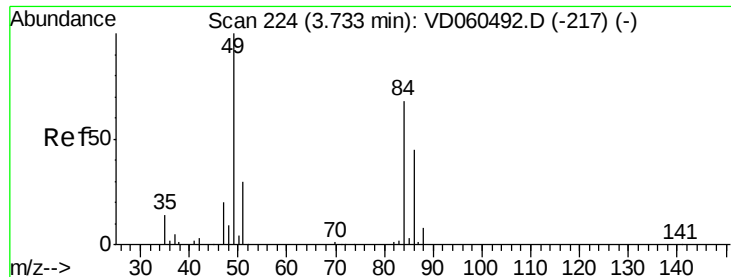


#16

Acetone
 Concen: 10.434 ug/l
 RT: 3.17 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Tgt Ion: 43 Resp: 18591
 Ion Ratio Lower Upper
 43 100
 58 21.9 17.3 25.9

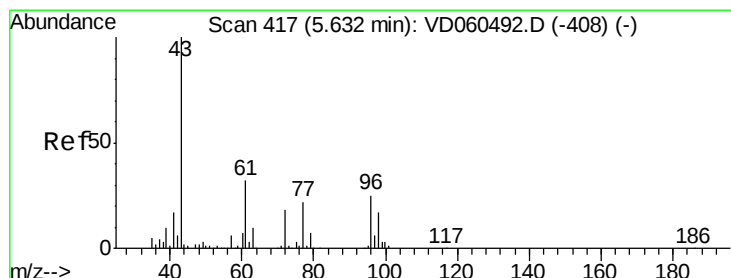
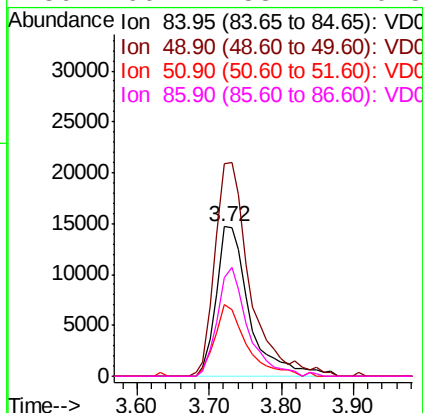
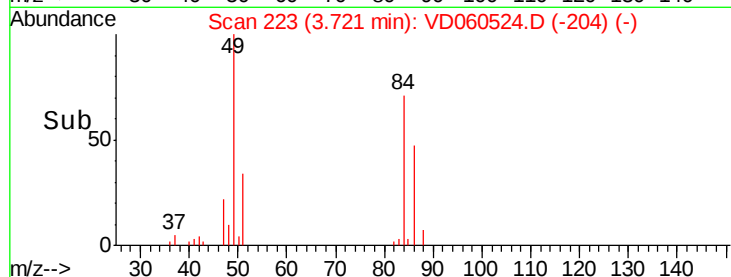
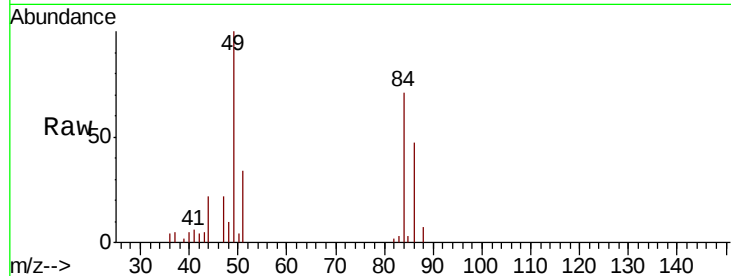




#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

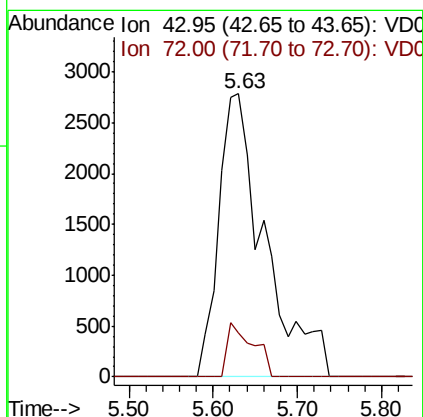
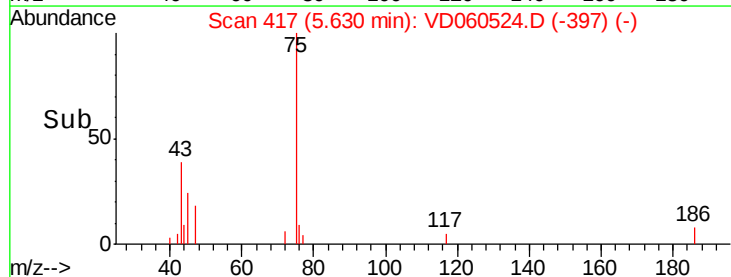
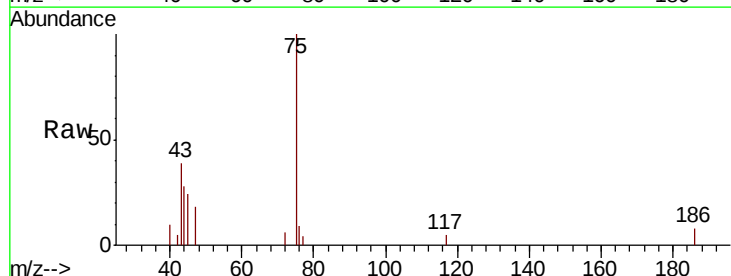
Instrument :
MSVOA_D
ClientSampleId :
VB-16204

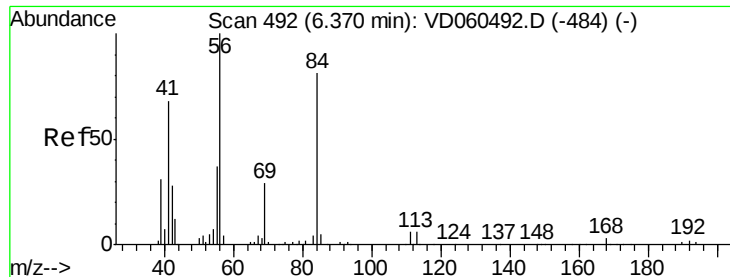
Tot Ion: 84 Resp: 46662
Ion Ratio Lower Upper
84 100
49 141.8 117.2 175.8
51 48.1 35.3 52.9
86 66.1 53.2 79.8



#25
2-Butanone
Concen: 3.009 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.00 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

Tgt Ion: 43 Resp: 10547
Ion Ratio Lower Upper
43 100
72 15.5 14.6 21.8

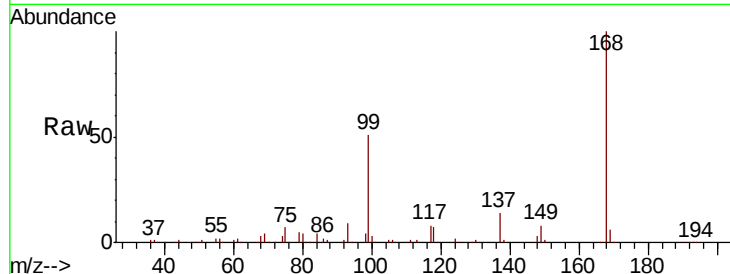




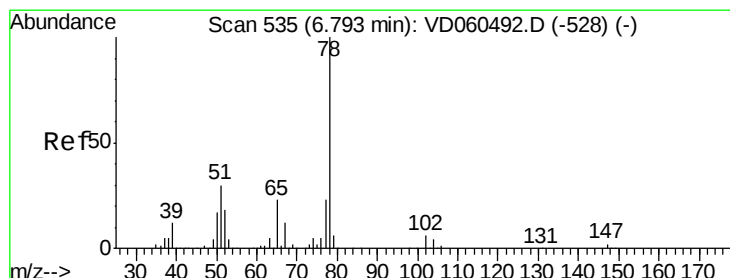
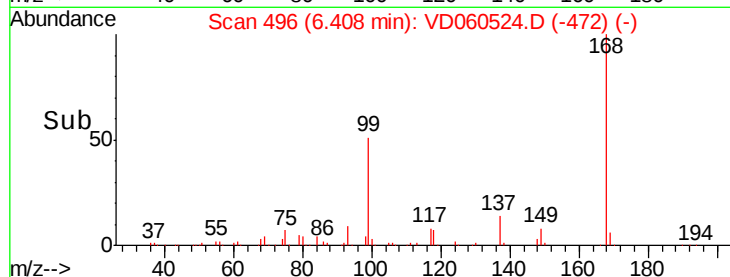
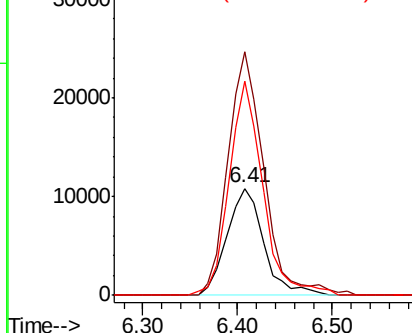
#31
Cyclohexane
Concen: Below Cal
RT: 6.41 min Scan# 496
Delta R.T. 0.04 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

Instrument :
MSVOA_D
ClientSampleId :
VB-16204

Tot Ion: 56 Resp: 29107
Ion Ratio Lower Upper
56 100
69 228.1 22.8 34.2#
84 200.6 65.1 97.7#

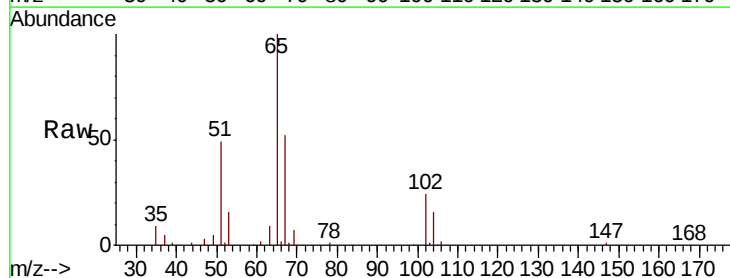


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

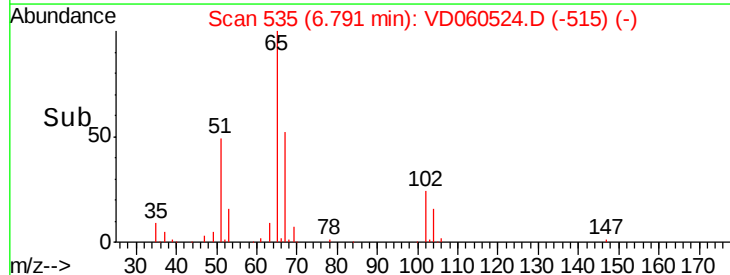
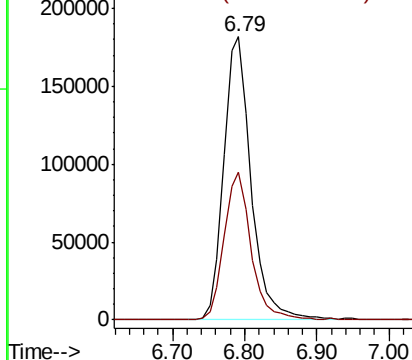


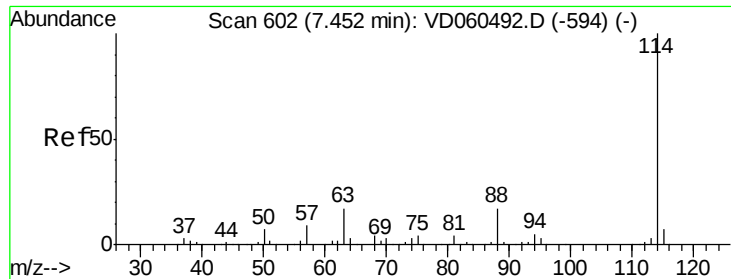
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

Tgt Ion: 65 Resp: 476735
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8



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

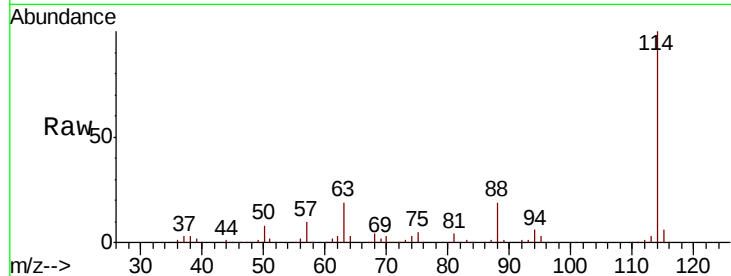




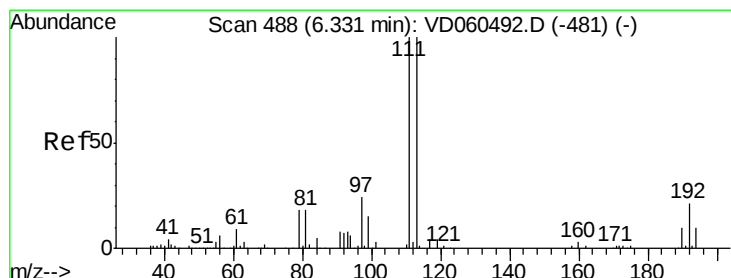
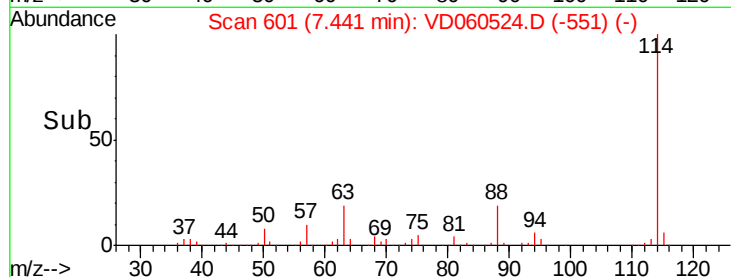
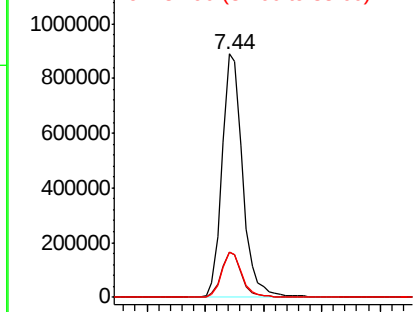
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-16204

Tot Ion:114 Resp: 2190844
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.2
 88 18.6 0.0 35.0

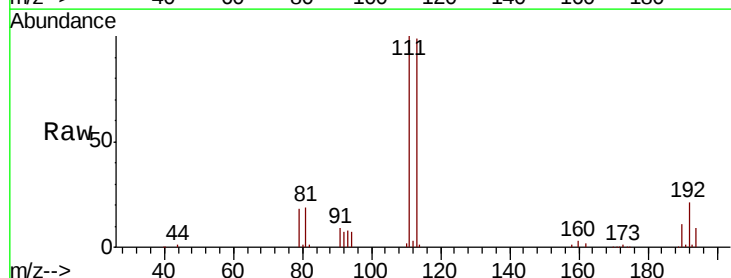


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

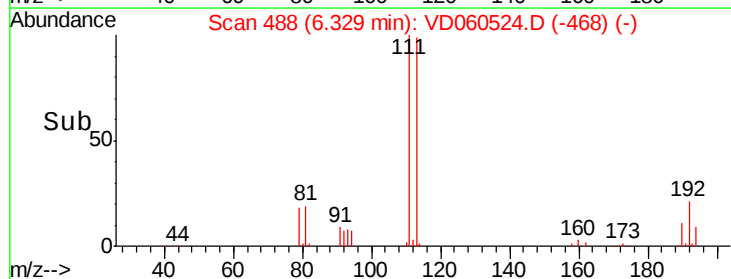
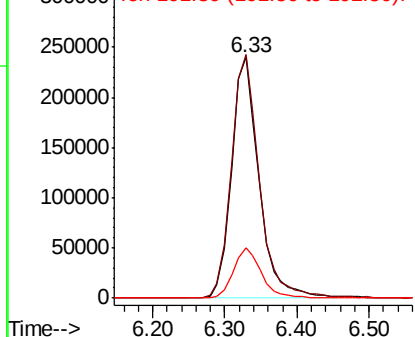


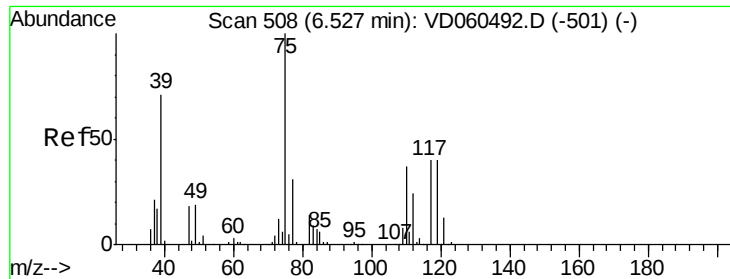
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.00 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Tgt Ion:113 Resp: 638017
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.2 120.4
 192 21.0 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

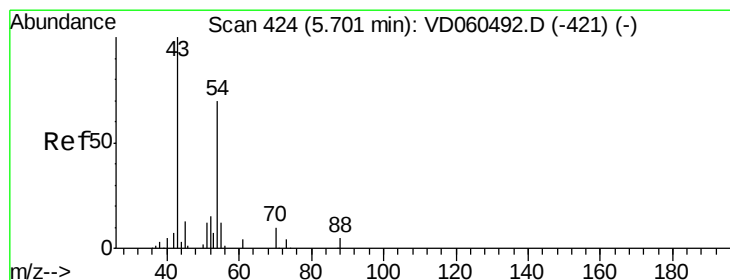
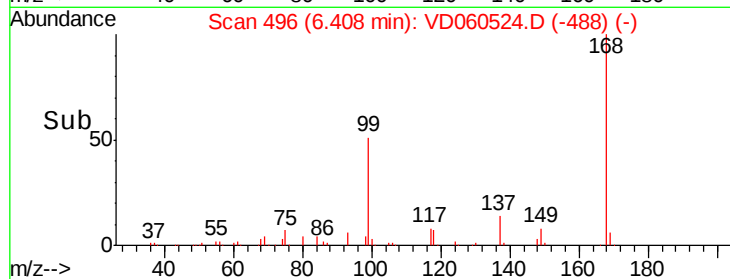
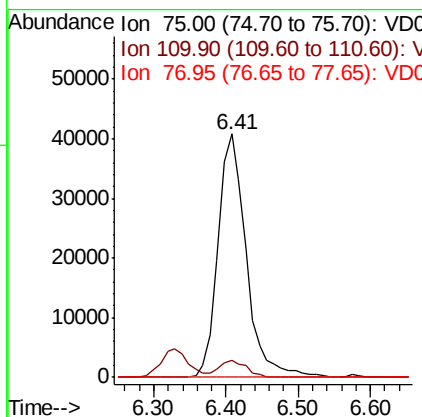
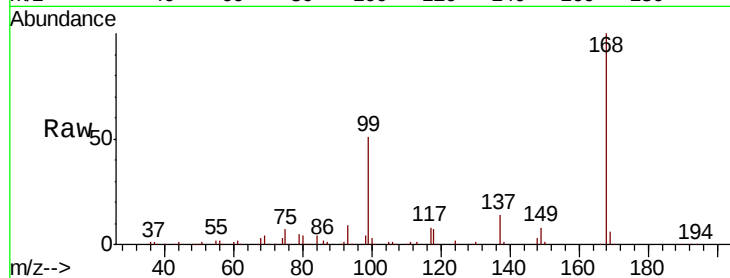




#36
 1,1-Dichloropropene
 Concen: 5.131 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

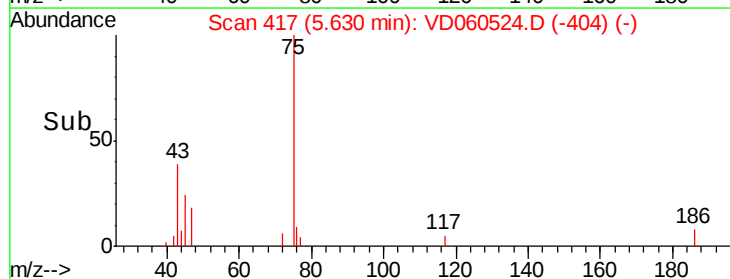
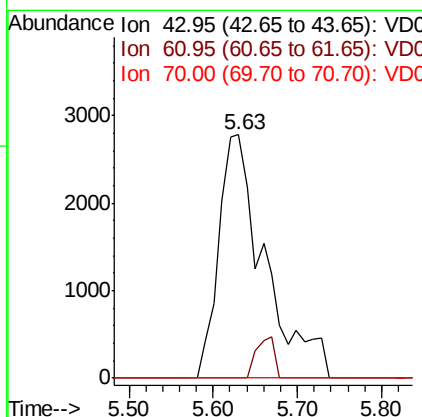
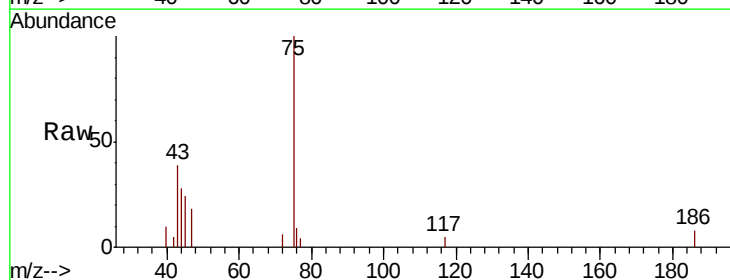
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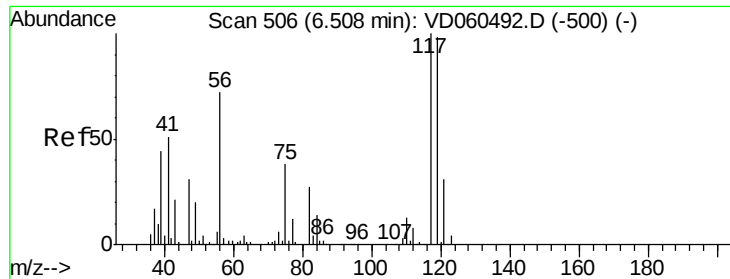
Tot Ion: 75 Resp: 109879
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.3 54.8#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.136 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.07 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Tgt Ion: 43 Resp: 10547
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.0 5.4 8.0#

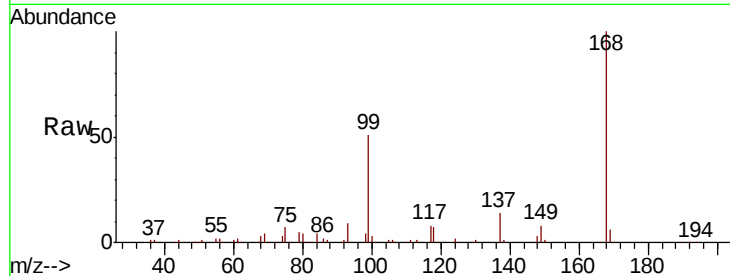




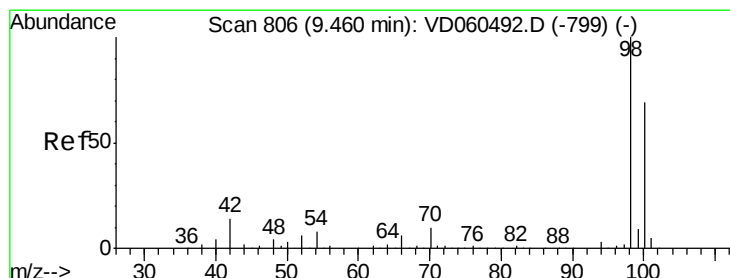
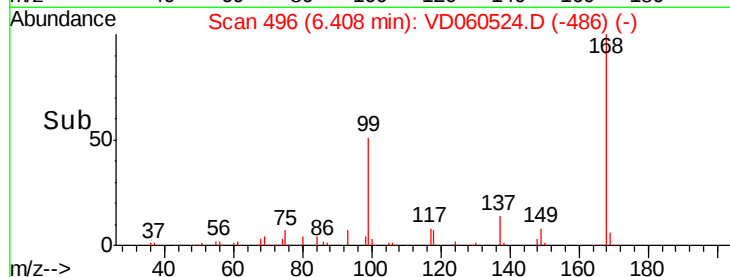
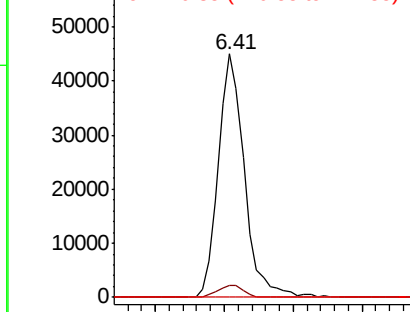
#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

Instrument :
MSVOA_D
ClientSampleId :
VB-16204

Tot Ion:117 Resp: 118055
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.4 36.6#

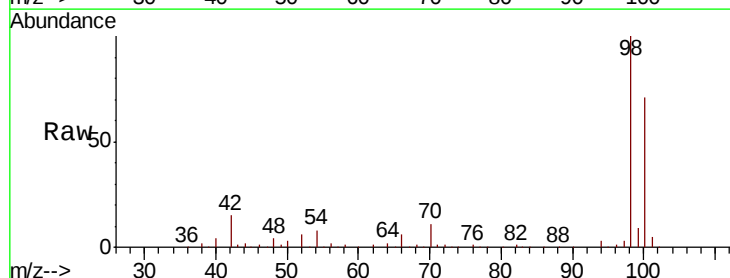


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

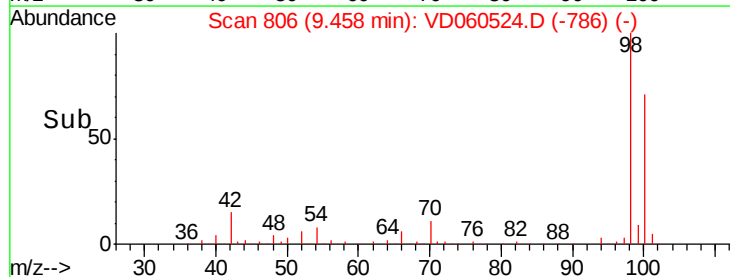
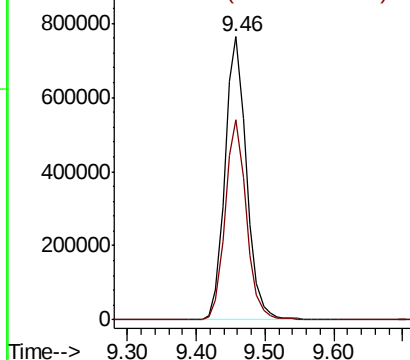


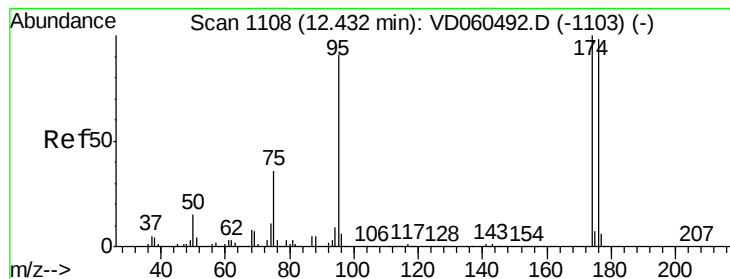
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060524.D
Acq: 10 Dec 2018 14:54

Tgt Ion: 98 Resp: 1649176
Ion Ratio Lower Upper
98 100
100 70.9 55.7 83.5



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. -0.00 min

Lab File: VD060524.D

Acq: 10 Dec 2018 14:54

Instrument :

MSVOA_D

ClientSampled :

VB-16204

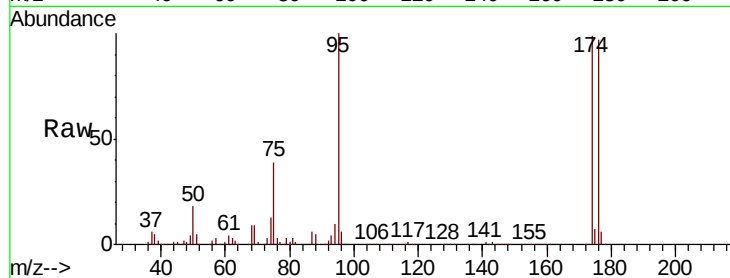
Tot Ion: 95 Resp: 522256

Ion Ratio Lower Upper

95 100

174 98.6 0.0 219.4

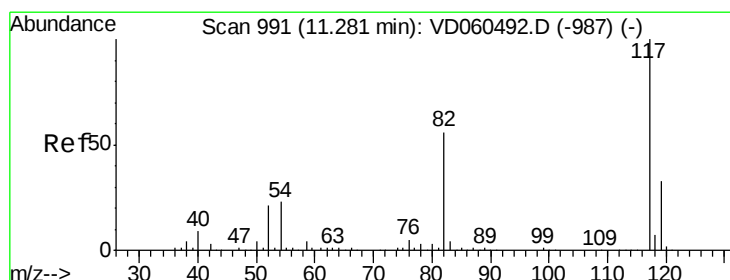
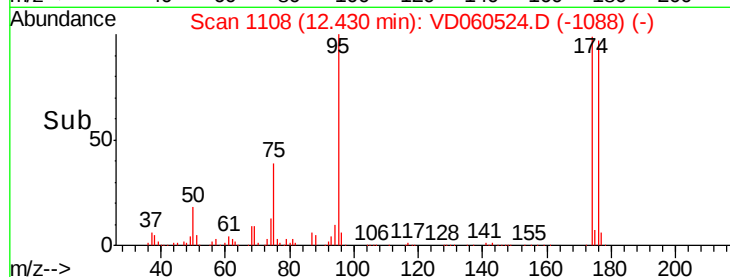
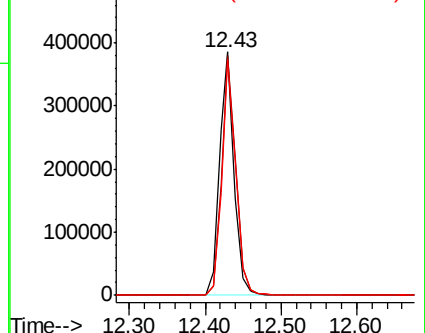
176 97.0 0.0 214.6



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. 0.01 min

Lab File: VD060524.D

Acq: 10 Dec 2018 14:54

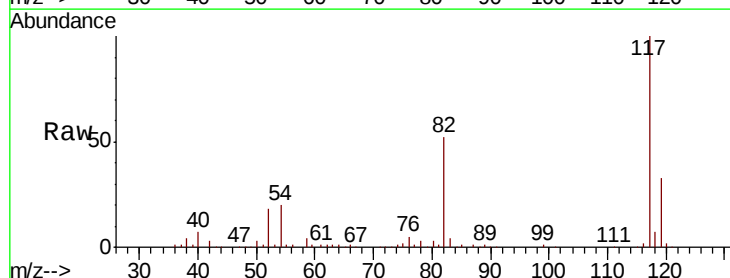
Tgt Ion: 117 Resp: 1639291

Ion Ratio Lower Upper

117 100

82 51.8 45.2 67.8

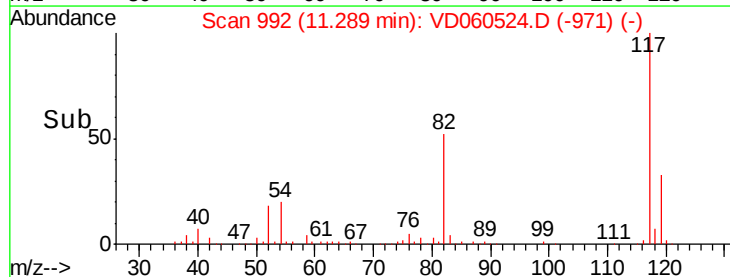
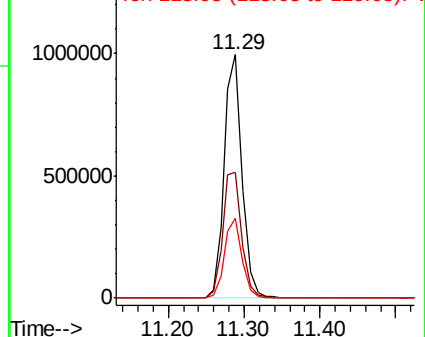
119 33.0 26.1 39.1

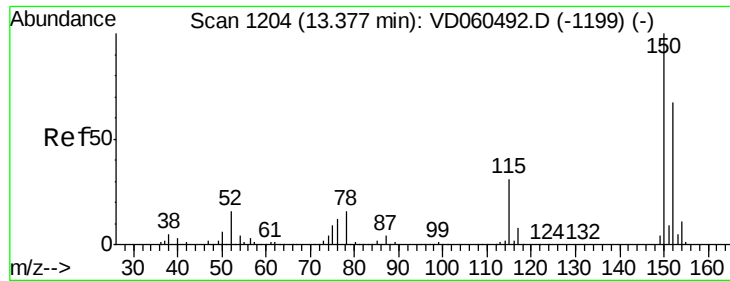


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD060524.D

Acq: 10 Dec 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

VB-16204

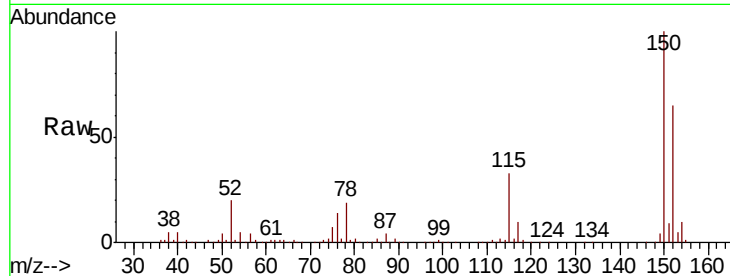
Tot Ion:152 Resp: 651914

Ion Ratio Lower Upper

152 100

115 50.6 24.6 74.0

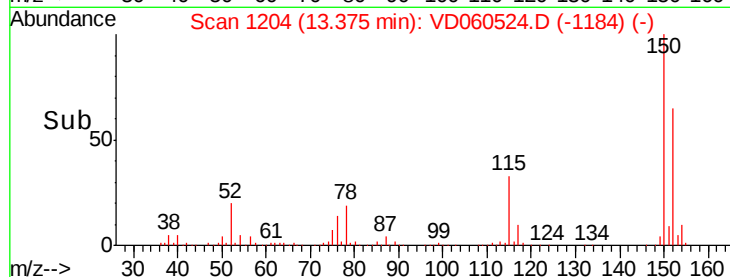
150 154.6 0.0 309.0



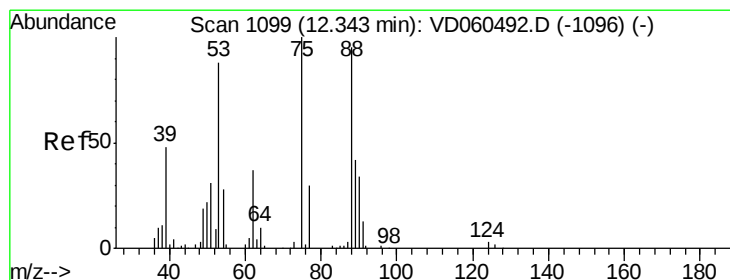
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.919 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060524.D

Acq: 10 Dec 2018 14:54

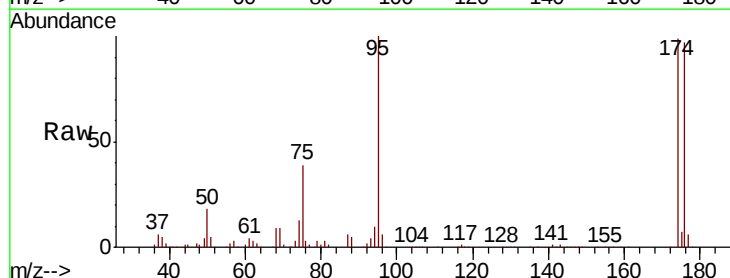
Tgt Ion: 75 Resp: 212028

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

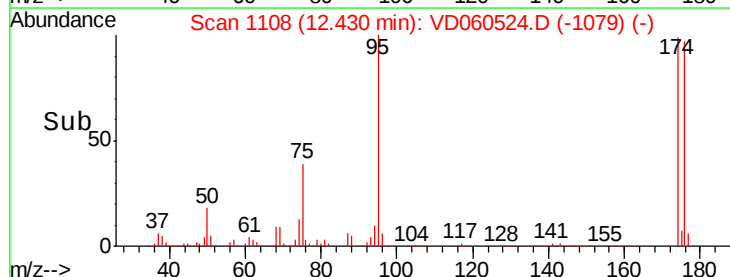
89 0.0 33.6 50.4#



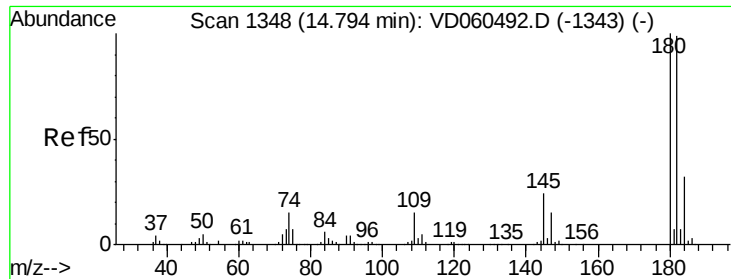
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 1.611 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060524.D
 Acq: 10 Dec 2018 14:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-16204

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	49.4	148.0
145	26.5	11.9	35.9

