

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060343.D
 Acq On : 12 Nov 2018 17:54
 Operator : JC/SY
 Sample : J5907-07
 Misc : 5.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S

Quant Time: Nov 13 00:41:41 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	6.39	168	1705167	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2140848	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1613811	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	576419	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	556926	45.61	ug/l	-0.04
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	6.30	113	778832	48.79	ug/l	-0.04
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	9.44	98	2081600	44.55	ug/l	-0.03
Spiked Amount			Recovery	=	89.10%	
62) 4-Bromofluorobenzene	12.41	95	593352	35.05	ug/l	-0.03
Spiked Amount			Recovery	=	70.10%	

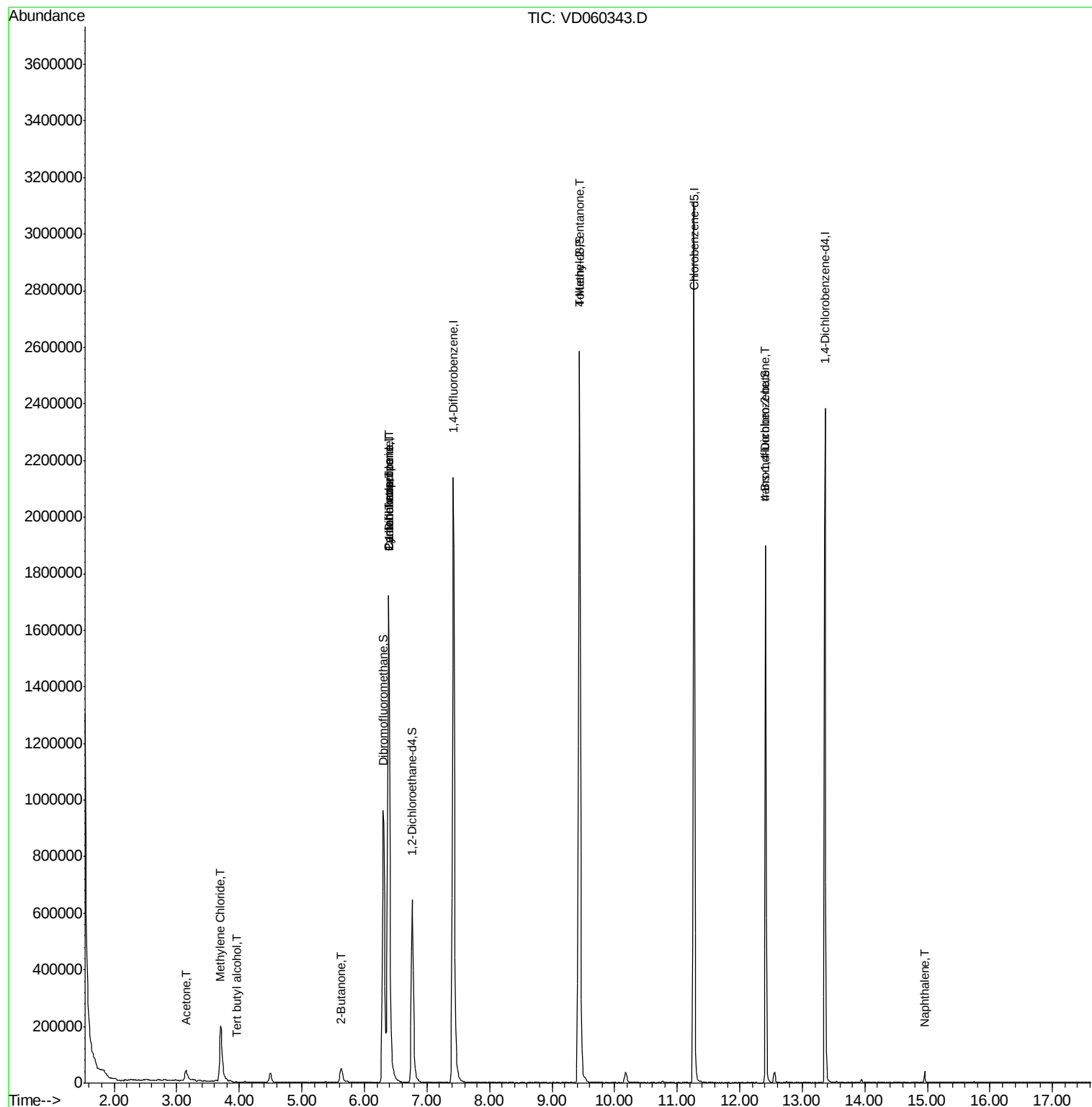
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	816	1.628	ug/l #	70
16) Acetone	3.15	43	82200	38.813	ug/l	99
20) Methylene Chloride	3.70	84	132582	7.057	ug/l	97
25) 2-Butanone	5.64	43	5480	1.245	ug/l #	60
31) Cyclohexane	6.39	56	32537	1.116	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	119306	5.641	ug/l #	46
38) Carbon Tetrachloride	6.39	117	135266	6.894	ug/l #	16
51) 4-Methyl-2-Pentanone	9.44	43	11738	1.475	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	248362	126.516	ug/l #	15
89) n-Butylbenzene	13.64	91	436	Below Cal	#	29
95) Naphthalene	14.96	128	22787	1.444	ug/l	98

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

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Operator : JC/SY
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Quant Time: Nov 13 00:41:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
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: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

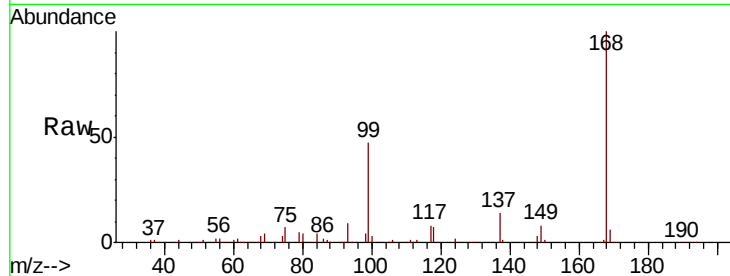
TP-3-S

Tgt Ion:168 Resp: 1705167

Ion Ratio Lower Upper

168 100

99 46.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

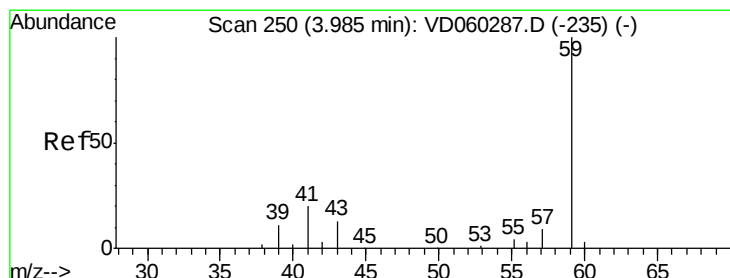
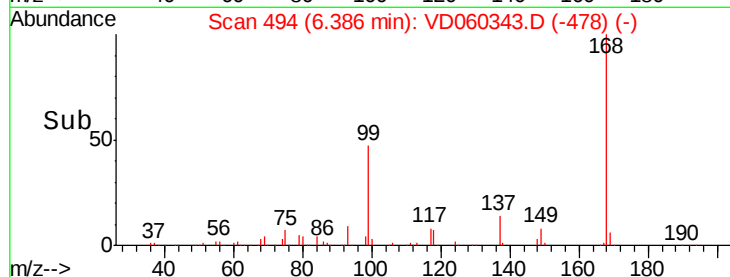
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.628 ug/l

RT: 3.97 min Scan# 248

Delta R.T. -0.02 min

Lab File: VD060343.D

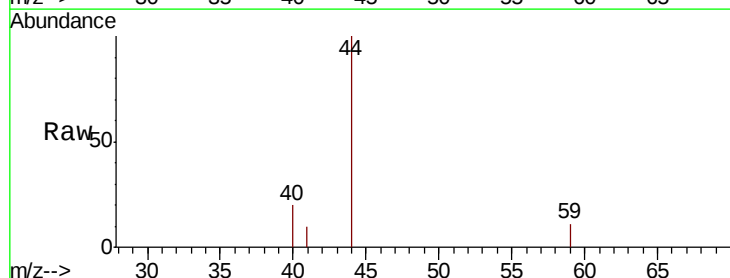
Acq: 12 Nov 2018 17:54

Tgt Ion: 59 Resp: 816

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

3.97

400

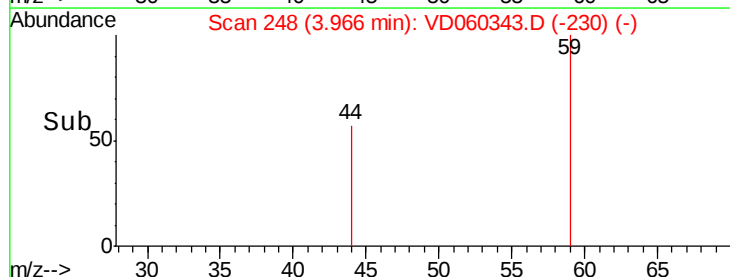
300

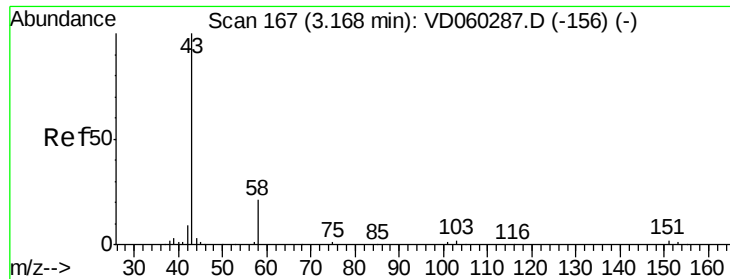
200

100

0

Time-->





#16

Acetone

Concen: 38.813 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampled :

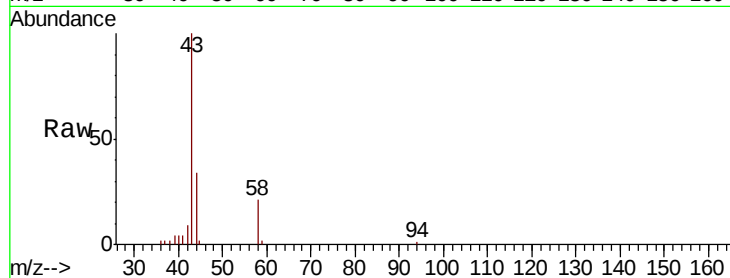
TP-3-S

Tgt Ion: 43 Resp: 82200

Ion Ratio Lower Upper

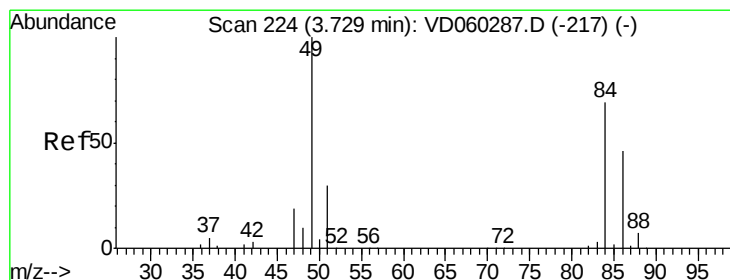
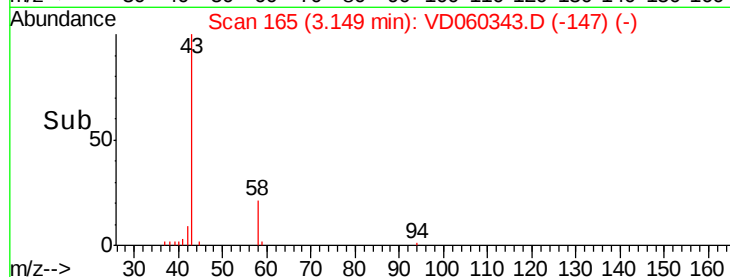
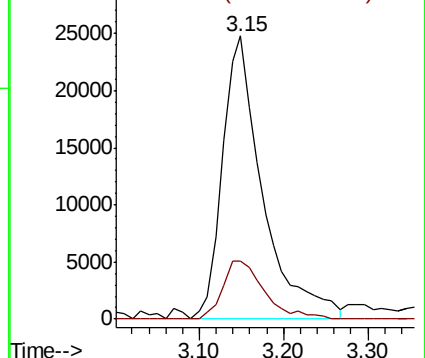
43 100

58 20.8 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: 7.057 ug/l

RT: 3.70 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Tgt Ion: 84 Resp: 132582

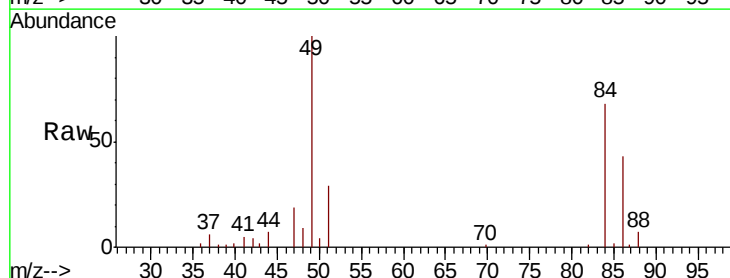
Ion Ratio Lower Upper

84 100

49 147.2 115.6 173.4

51 42.3 35.6 53.4

86 63.2 52.3 78.5

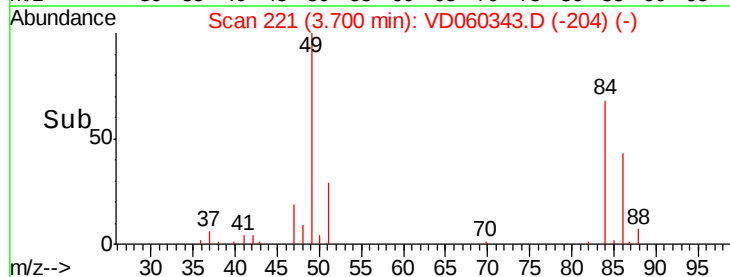
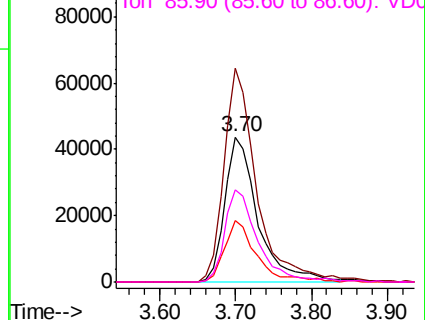


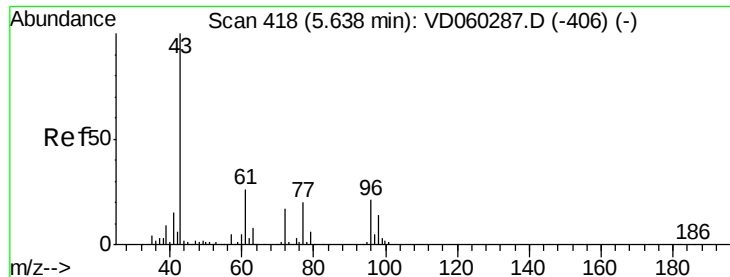
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.245 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

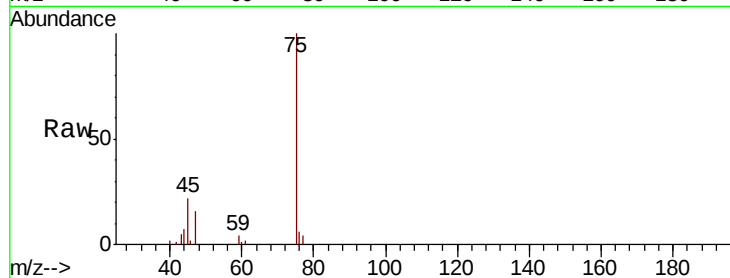
TP-3-S

Tgt Ion: 43 Resp: 5480

Ion Ratio Lower Upper

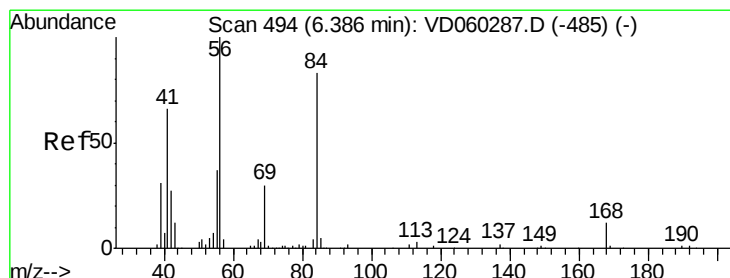
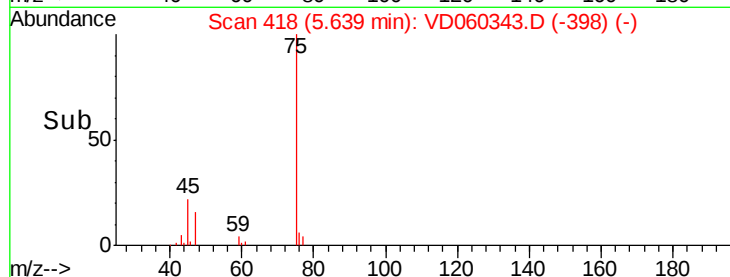
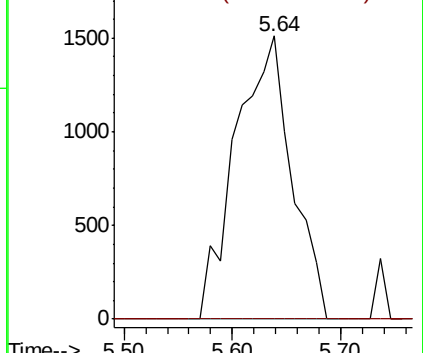
43 100

72 0.0 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: 1.116 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

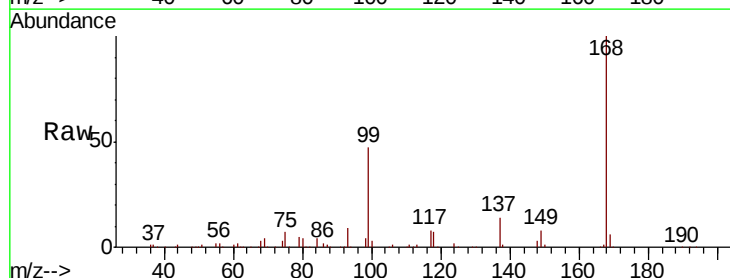
Tgt Ion: 56 Resp: 32537

Ion Ratio Lower Upper

56 100

69 225.4 22.2 33.2#

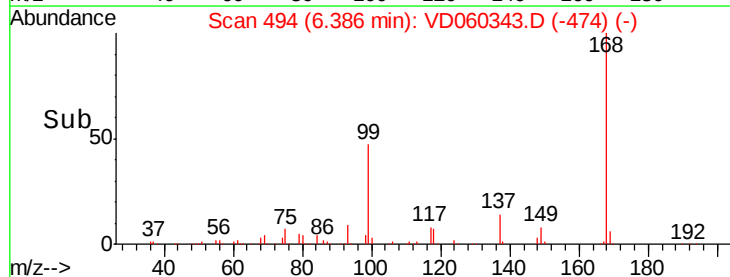
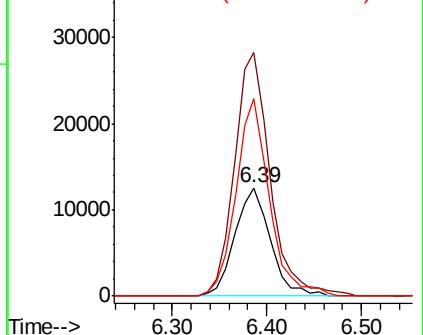
84 183.3 63.0 94.4#

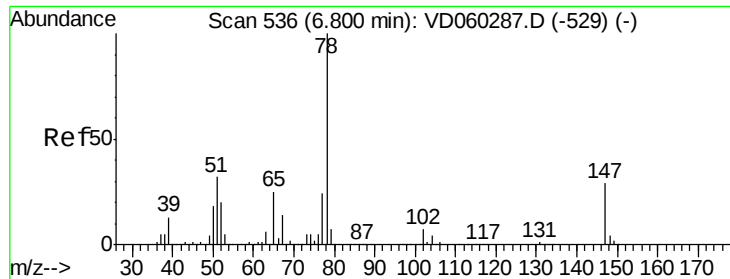


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampleID :

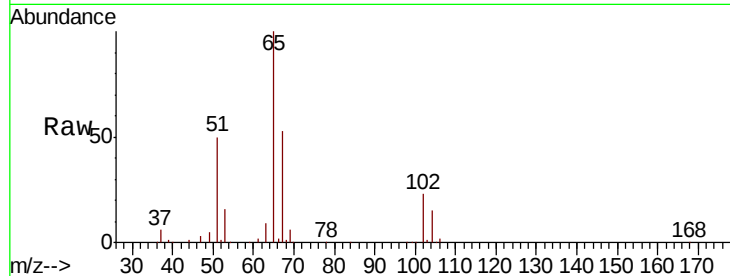
TP-3-S

Tgt Ion: 65 Resp: 556926

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

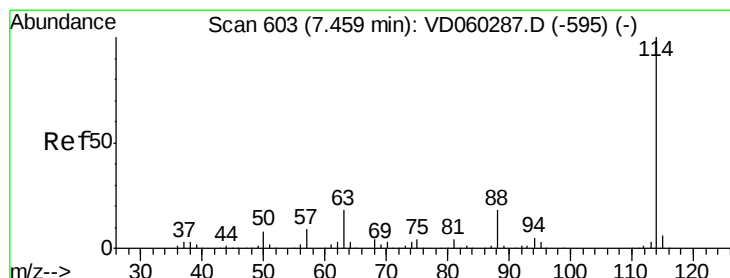
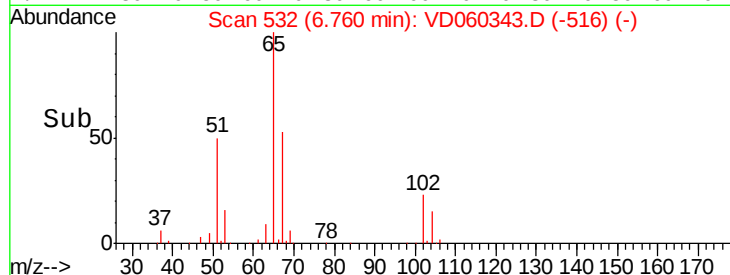
50000

0

6.76

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.04 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

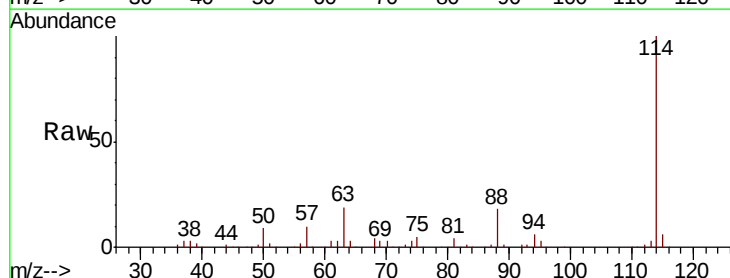
Tgt Ion: 114 Resp: 2140848

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 18.5 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

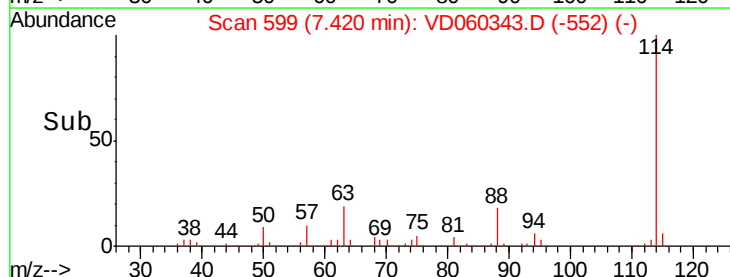
200000

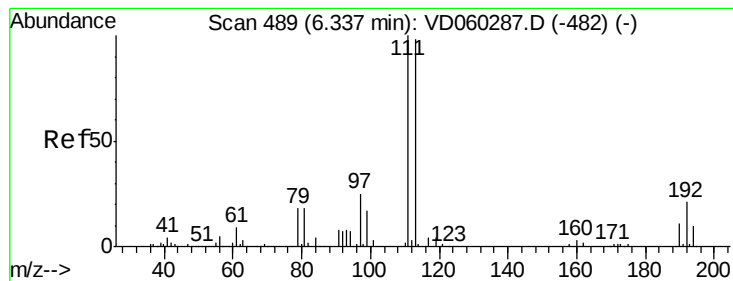
0

7.42

7.30 7.40 7.50 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

TP-3-S

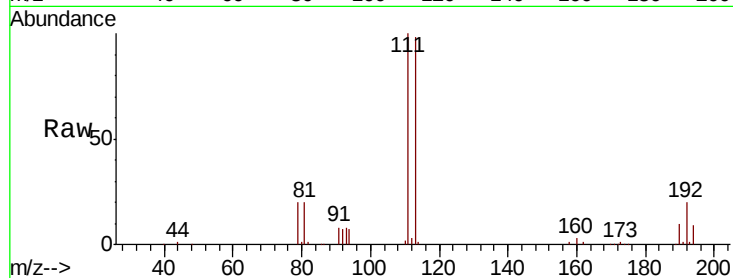
Tgt Ion: 113 Resp: 778832

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

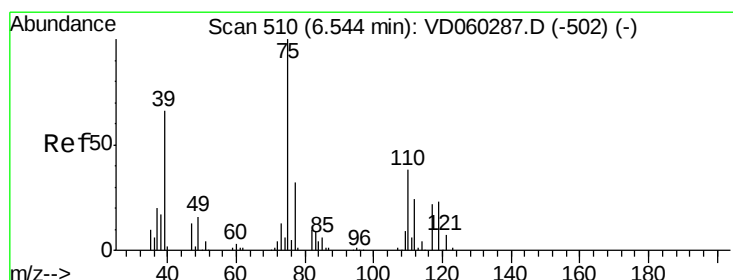
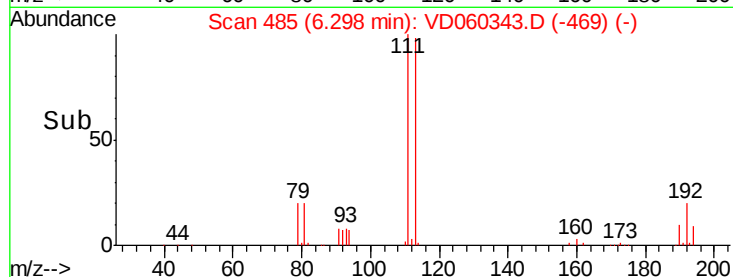
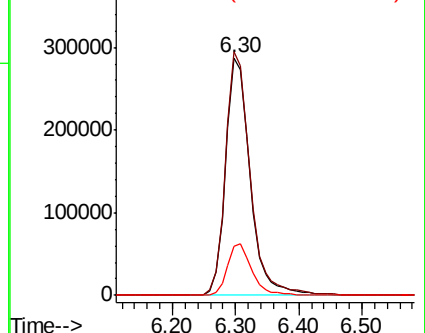
192 20.4 16.5 24.7



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: 5.641 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.16 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

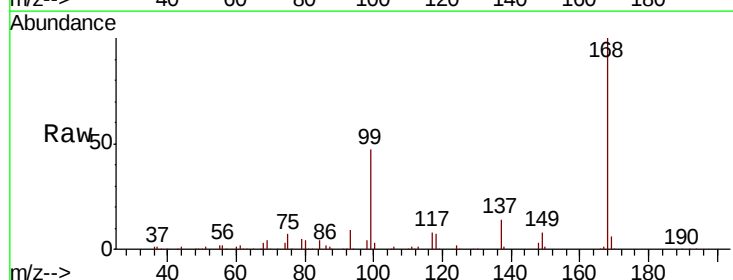
Tgt Ion: 75 Resp: 119306

Ion Ratio Lower Upper

75 100

110 6.5 18.0 54.0#

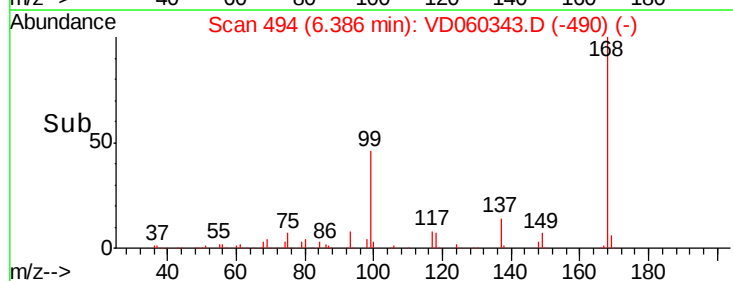
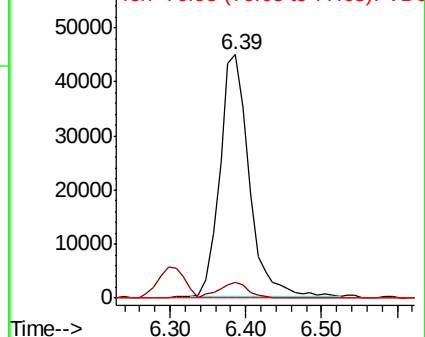
77 0.0 25.6 38.4#

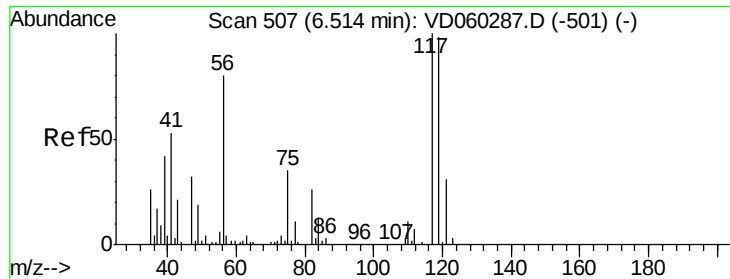


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

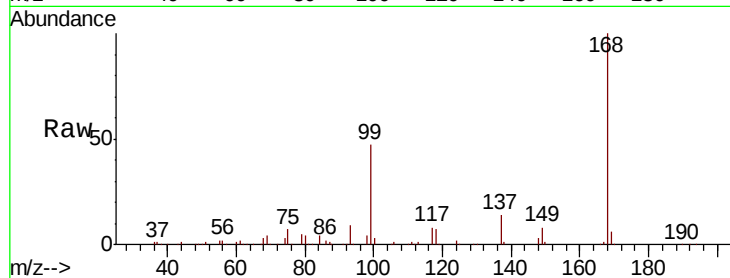




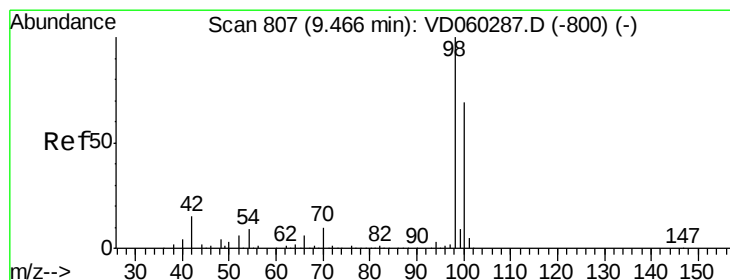
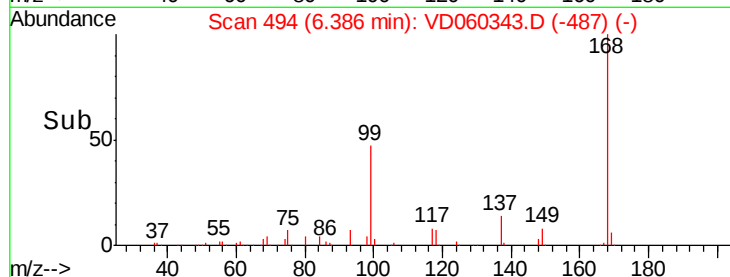
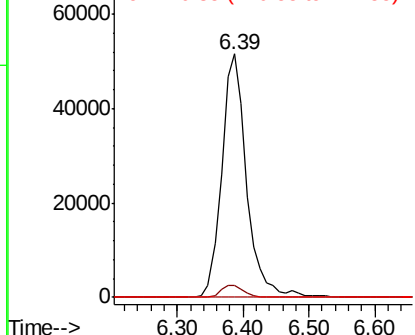
#38
Carbon Tetrachloride
Concen: 6.894 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.13 min
Lab File: VD060343.D
Acq: 12 Nov 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
TP-3-S

Tgt Ion:117 Resp: 135266
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.3 36.5#

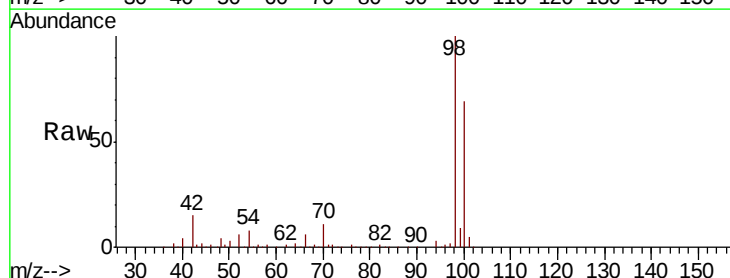


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

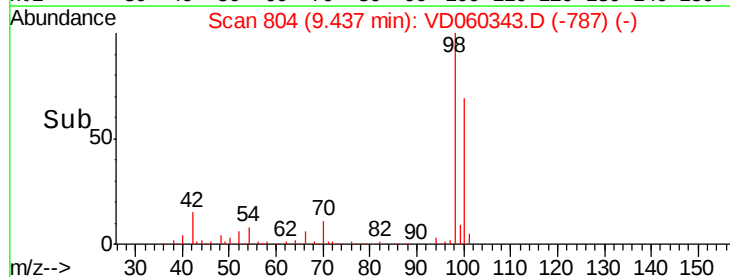
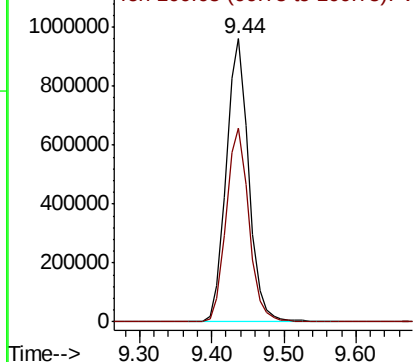


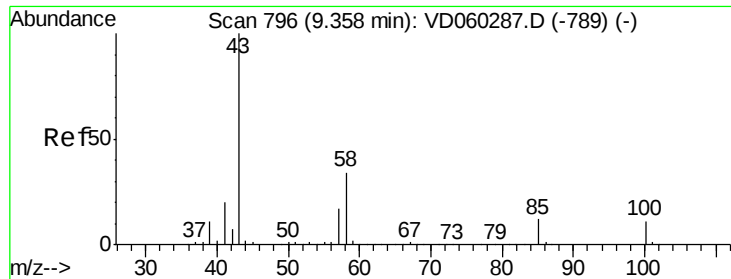
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060343.D
Acq: 12 Nov 2018 17:54

Tgt Ion: 98 Resp: 2081600
Ion Ratio Lower Upper
98 100
100 68.5 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.475 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.08 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

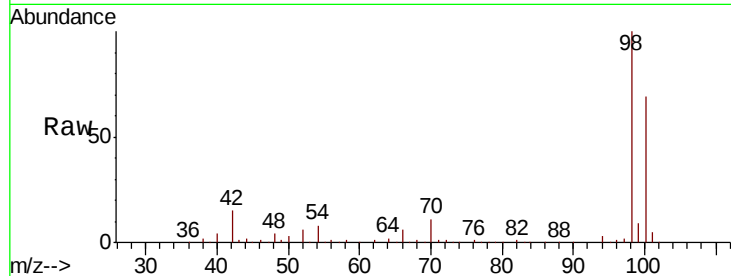
TP-3-S

Tgt Ion: 43 Resp: 11738

Ion Ratio Lower Upper

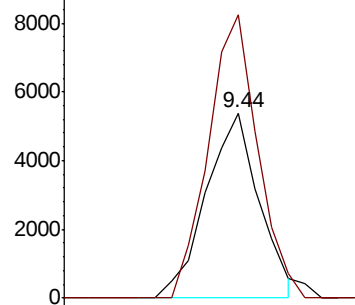
43 100

58 153.1 26.1 39.1#

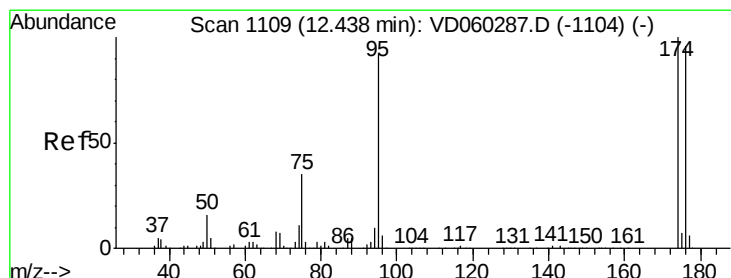
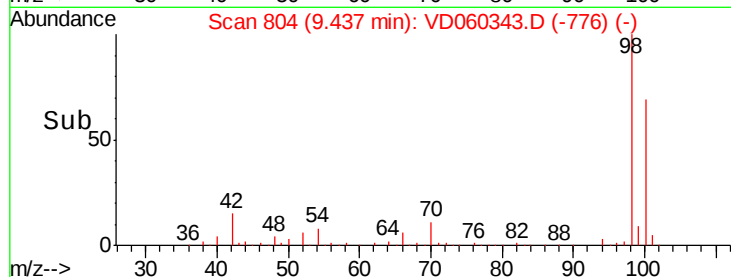


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060343.D

Acq: 12 Nov 2018 17:54

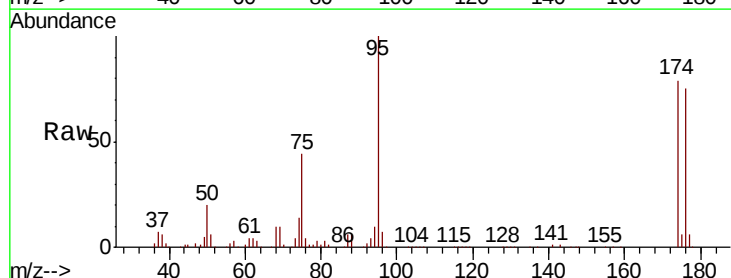
Tgt Ion: 95 Resp: 593352

Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.8

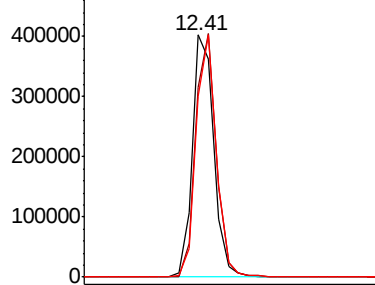
176 74.7 0.0 154.6



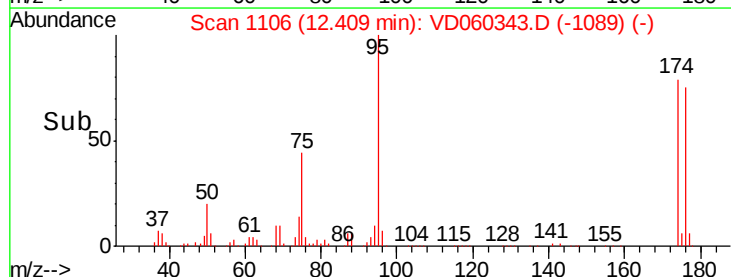
Abundance Ion 95.00 (94.70 to 95.70): VDC

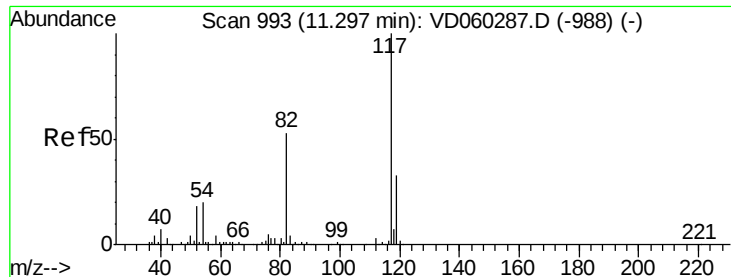
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

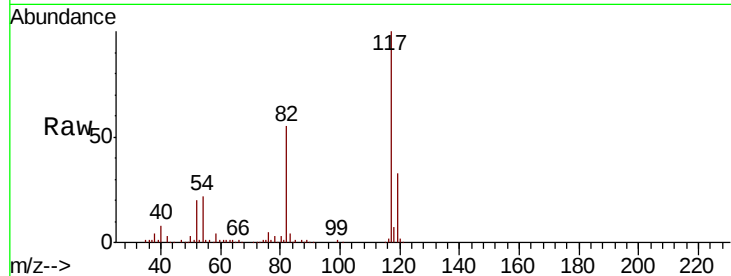




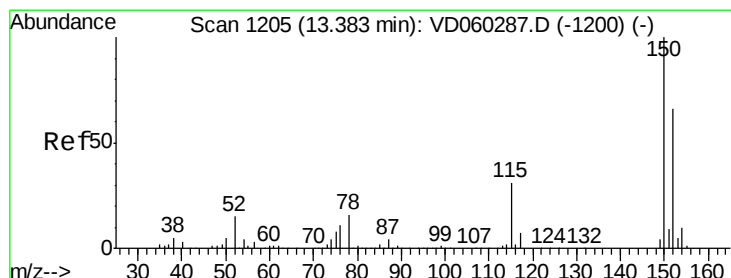
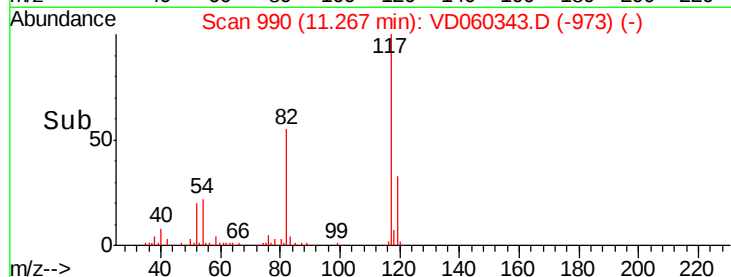
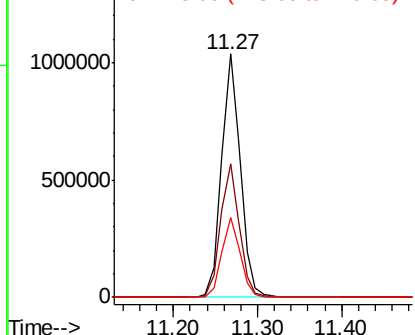
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060343.D
Acq: 12 Nov 2018 17:54

Instrument :
MSVOA_D
ClientSampled :
TP-3-S

Tgt Ion:117 Resp: 1613811
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 32.6 26.1 39.1

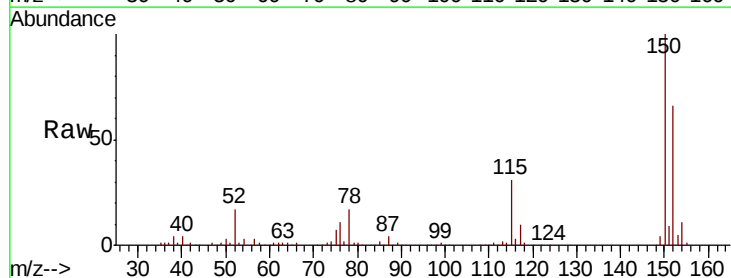


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

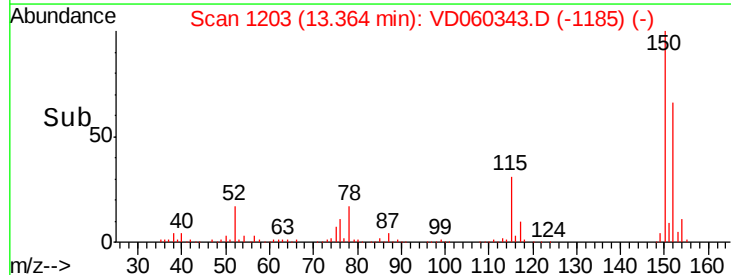
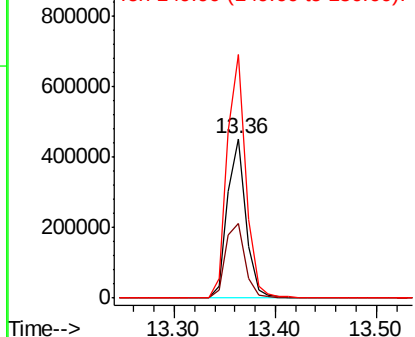


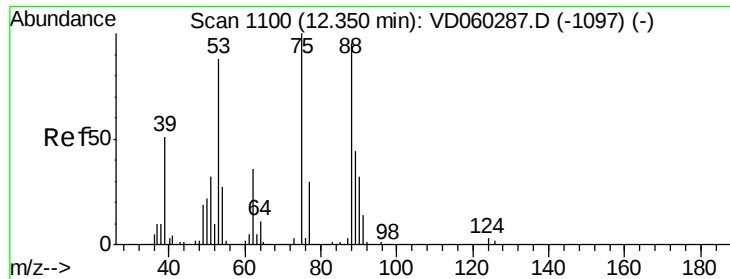
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060343.D
Acq: 12 Nov 2018 17:54

Tgt Ion:152 Resp: 576419
Ion Ratio Lower Upper
152 100
115 46.5 24.1 72.3
150 152.4 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

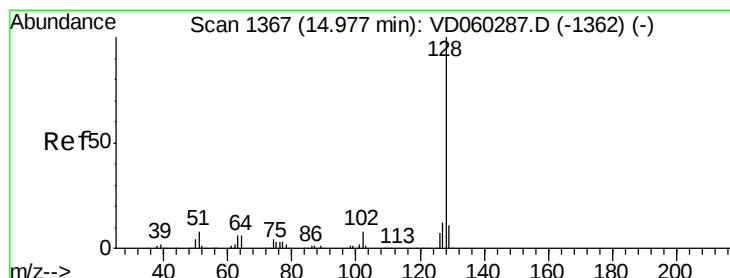
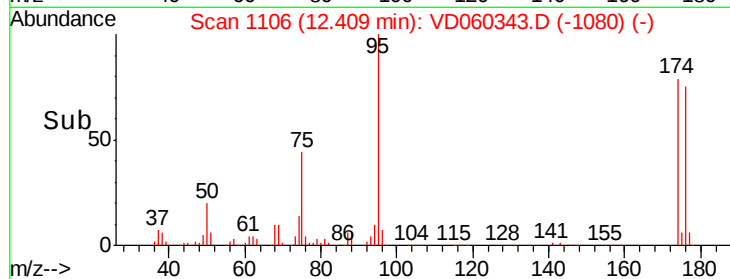
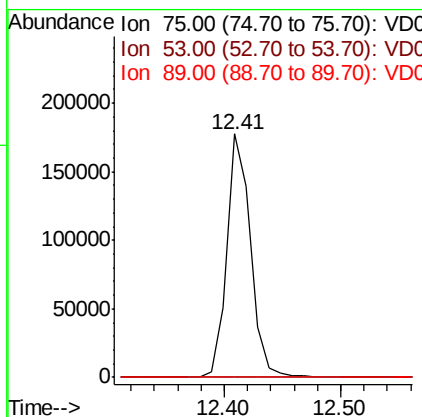
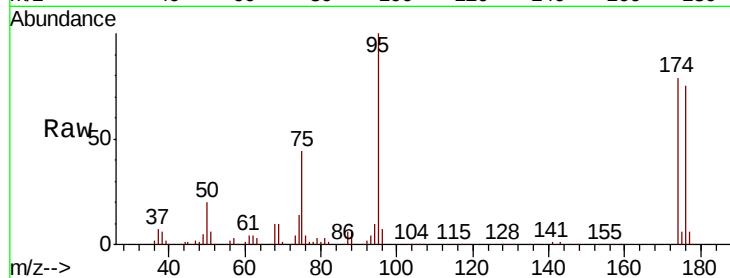




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.516 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.06 min
 Lab File: VD060343.D
 Acq: 12 Nov 2018 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-S

Tgt Ion: 75 Resp: 248362
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#



#95
 Naphthalene
 Concen: 1.444 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VD060343.D
 Acq: 12 Nov 2018 17:54

Tgt Ion: 128 Resp: 22787
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.6 14.4
 129 11.4 8.6 12.8

