

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060486.D
 Acq On : 4 Dec 2018 14:39
 Operator : VA/AP
 Sample : J6201-01
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11932-72-11967

Quant Time: Dec 05 02:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1377788	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1891684	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1423796	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	565811	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	496139	50.29	ug/l	-0.01
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	6.33	113	696652	49.39	ug/l	-0.01
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	9.45	98	1774024	42.97	ug/l	-0.01
Spiked Amount			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	12.43	95	569777	38.09	ug/l	-0.01
Spiked Amount			Recovery	=	76.18%	

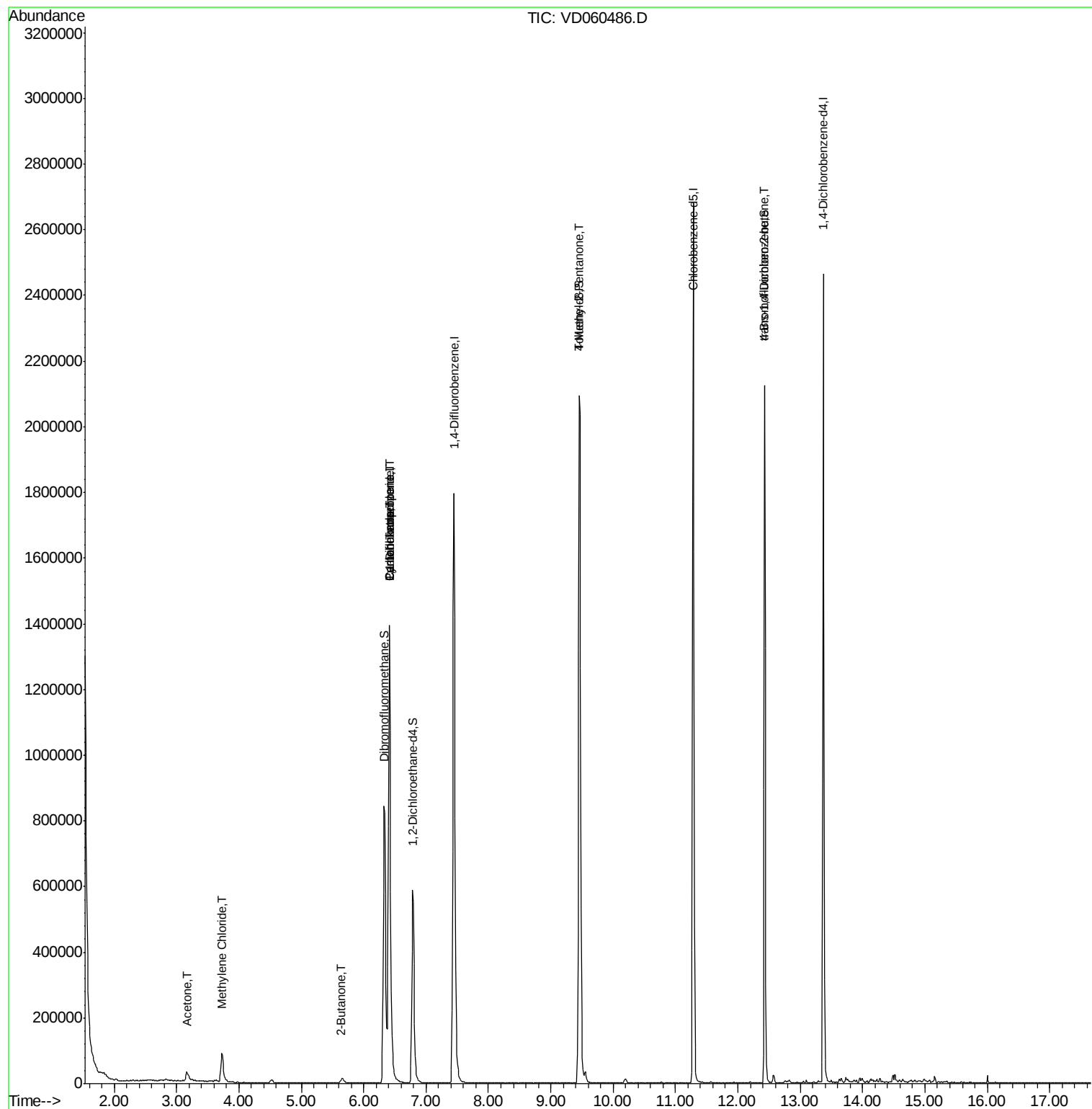
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	2165	Below Cal	#	41
16) Acetone	3.17	43	65854	38.484	ug/l	95
20) Methylene Chloride	3.73	84	58654	3.864	ug/l	96
25) 2-Butanone	5.63	43	7072	1.988	ug/l	# 60
31) Cyclohexane	6.41	56	26725	1.135	ug/l	# 1
36) 1,1-Dichloropropene	6.41	75	96965	5.188	ug/l	# 46
38) Carbon Tetrachloride	6.41	117	106196	6.126	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.45	43	9349	1.330	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.43	75	225313	116.927	ug/l	# 15
89) n-Butylbenzene	13.65	91	2445	Below Cal		82

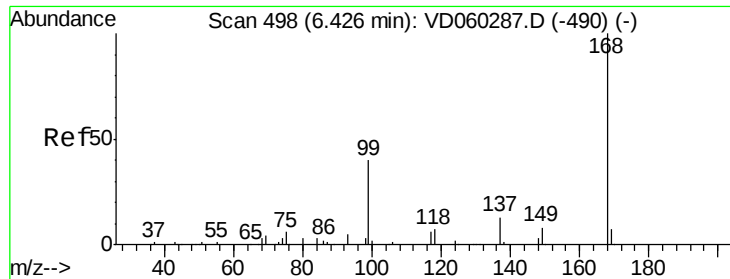
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120418\
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 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: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

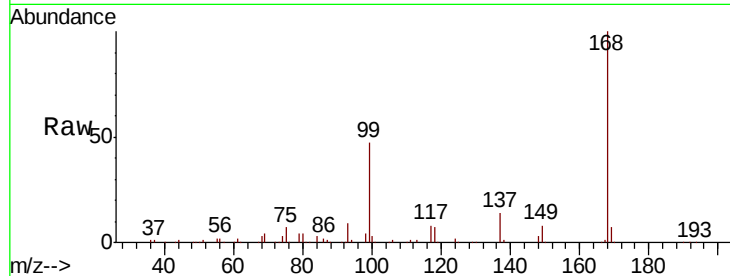
72-11932-72-11967

Tot Ion:168 Resp: 1377788

Ion Ratio Lower Upper

168 100

99 46.5 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

500000

400000

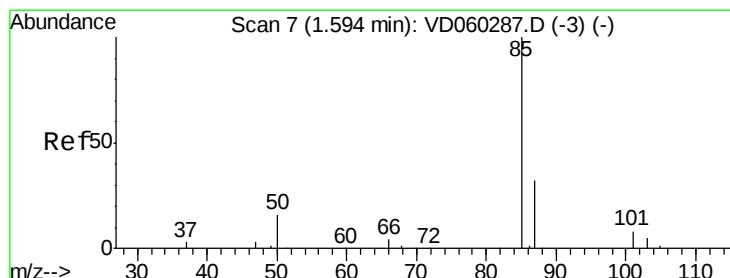
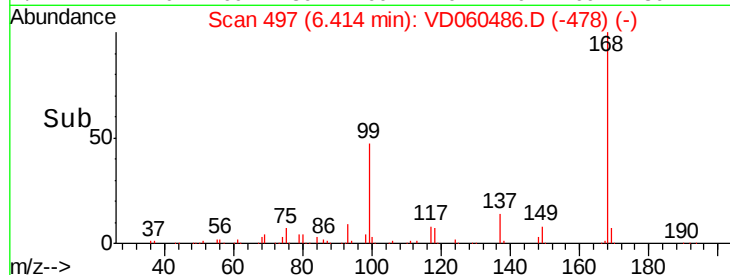
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060486.D

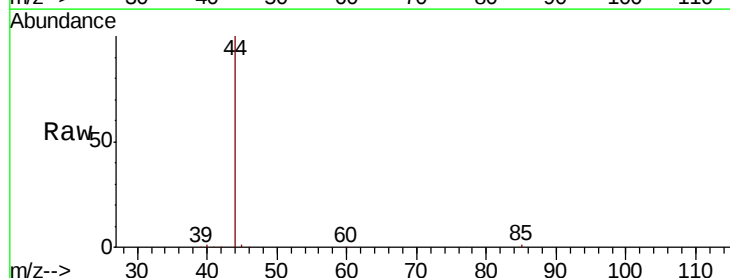
Acq: 4 Dec 2018 14:39

Tgt Ion: 85 Resp: 2165

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

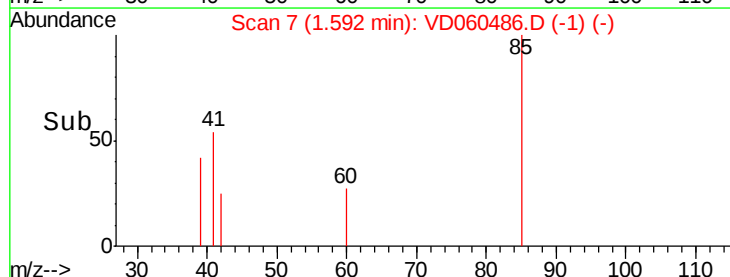
1500

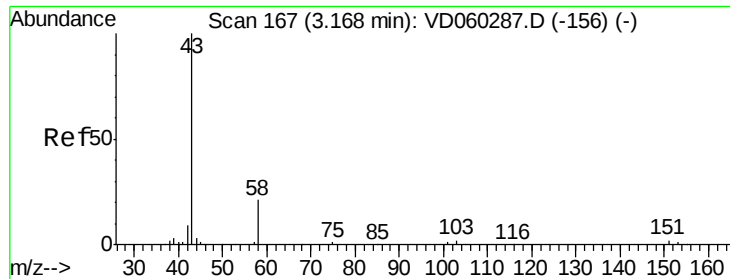
1000

500

0

Time-->





#16

Acetone

Concen: 38.484 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

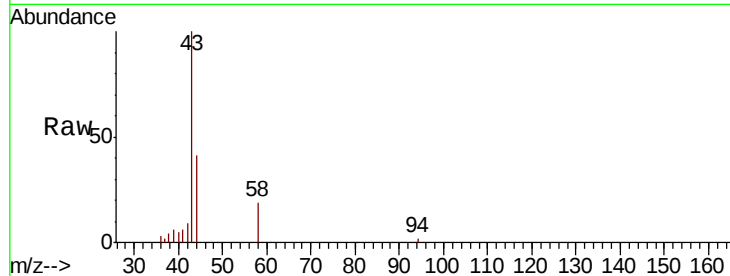
72-11932-72-11967

Tot Ion: 43 Resp: 65854

Ion Ratio Lower Upper

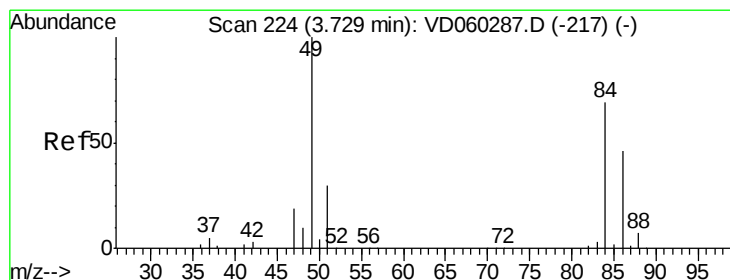
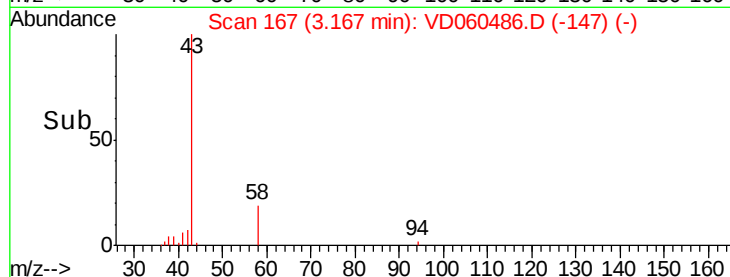
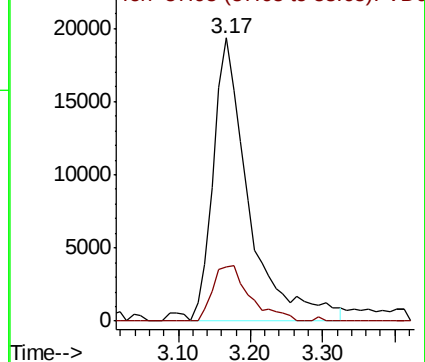
43 100

58 18.9 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: 3.864 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Tgt Ion: 84 Resp: 58654

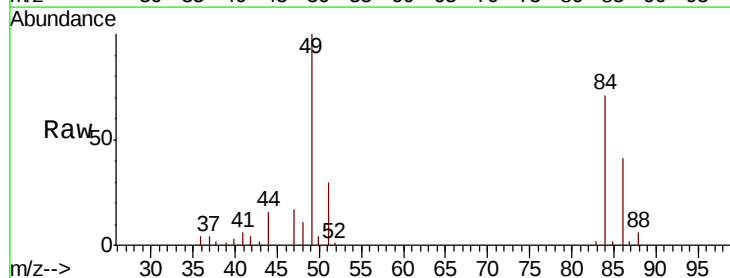
Ion Ratio Lower Upper

84 100

49 141.5 115.6 173.4

51 42.4 35.6 53.4

86 58.2 52.3 78.5

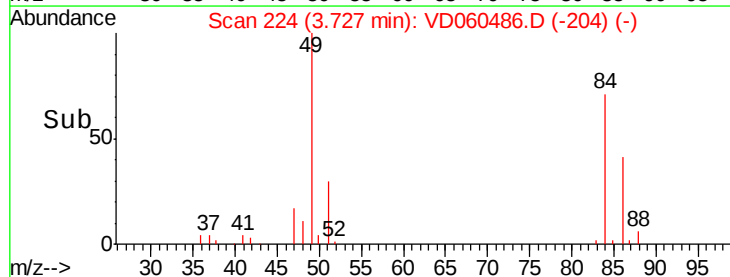
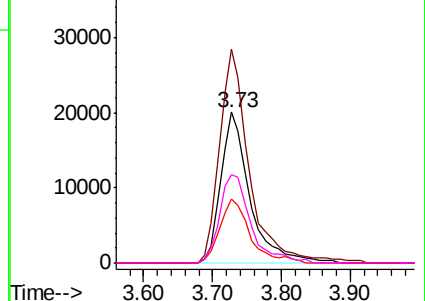


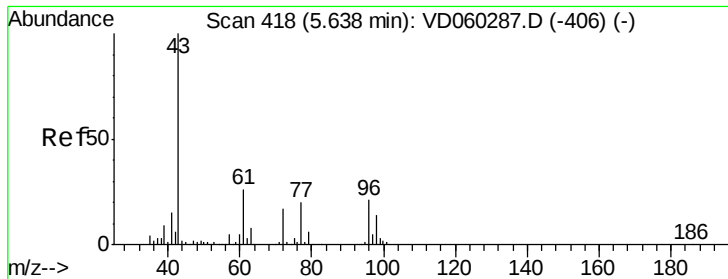
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.988 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

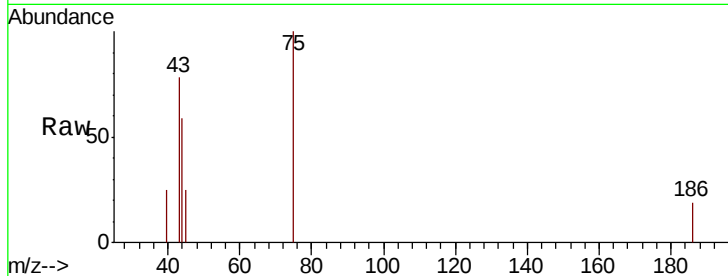
72-11932-72-11967

Tot Ion: 43 Resp: 7072

Ion Ratio Lower Upper

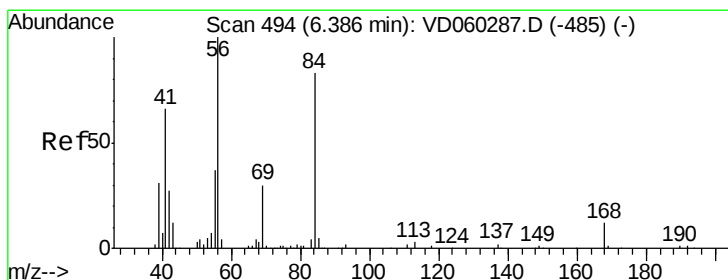
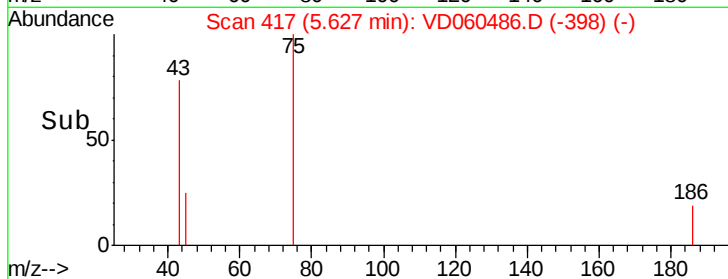
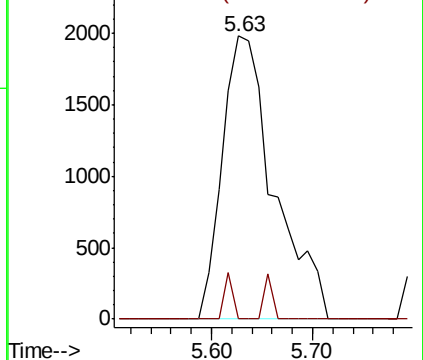
43 100

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: 1.135 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

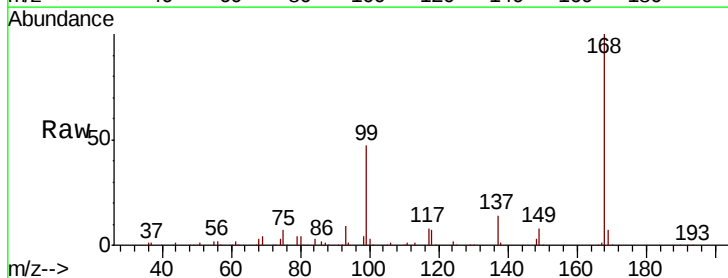
Tgt Ion: 56 Resp: 26725

Ion Ratio Lower Upper

56 100

69 216.1 22.2 33.2#

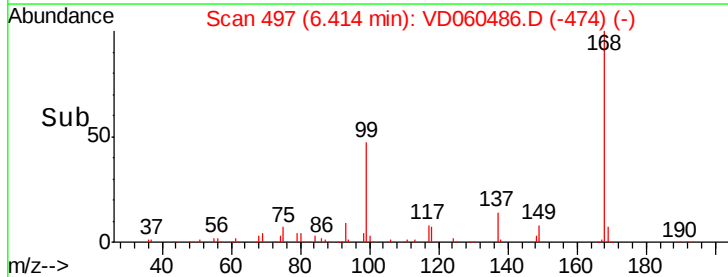
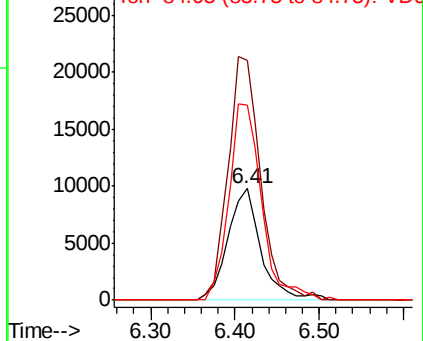
84 175.8 63.0 94.4#

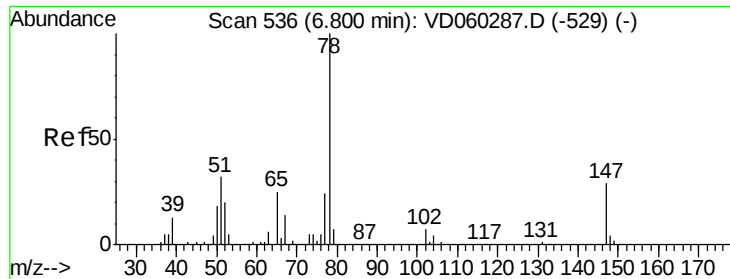


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

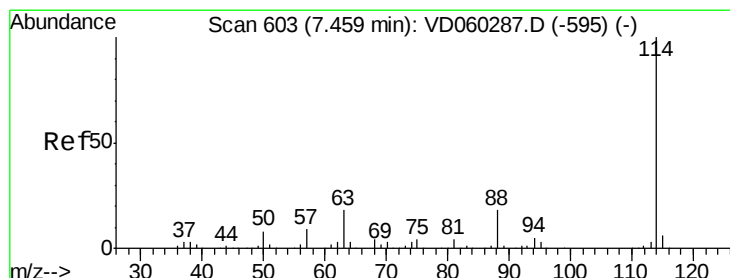
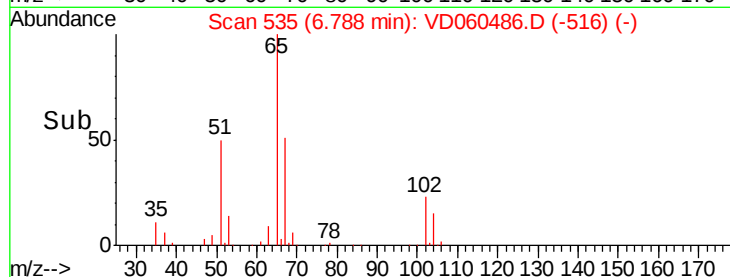
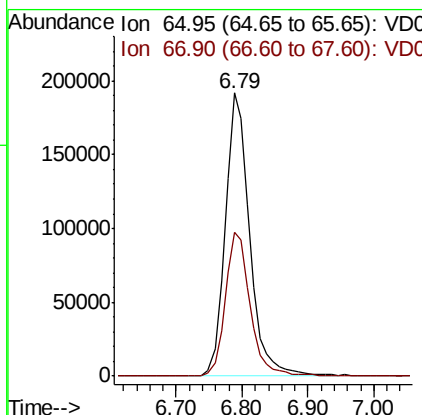
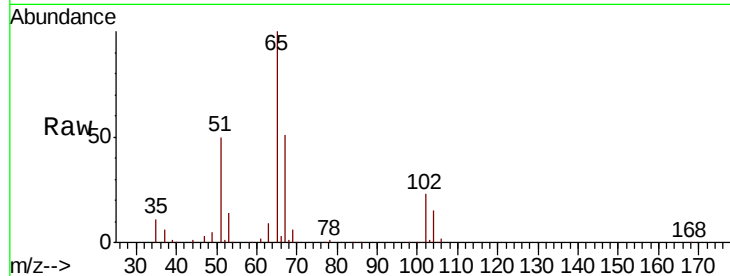




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060486.D
 Acq: 4 Dec 2018 14:39

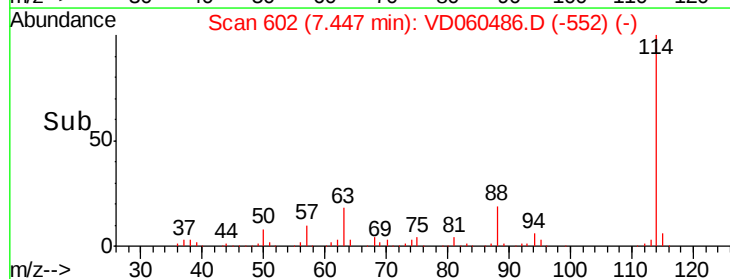
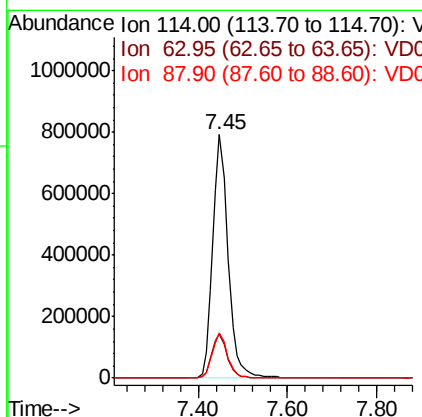
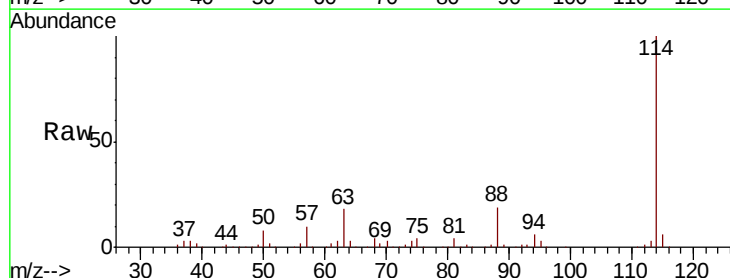
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11932-72-11967

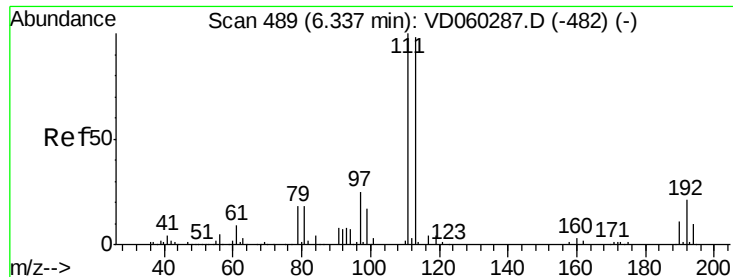
Tot Ion: 65 Resp: 496139
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060486.D
 Acq: 4 Dec 2018 14:39

Tgt Ion: 114 Resp: 1891684
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 18.6 0.0 35.4

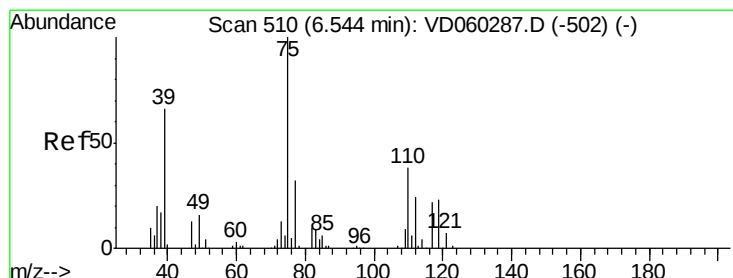
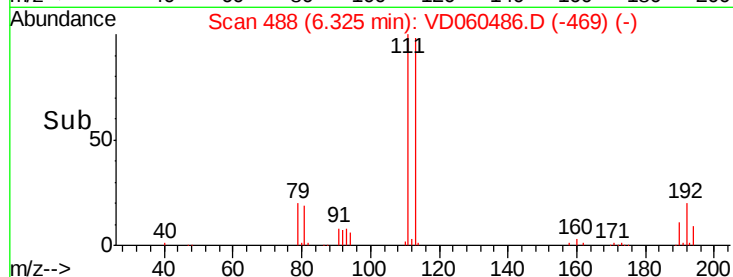
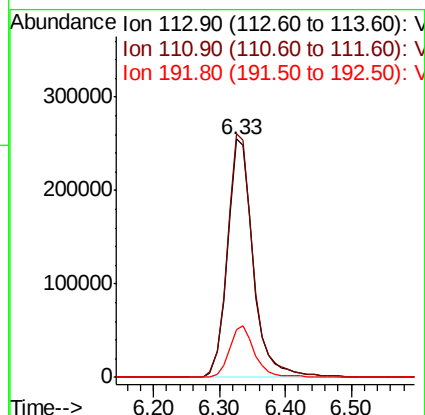
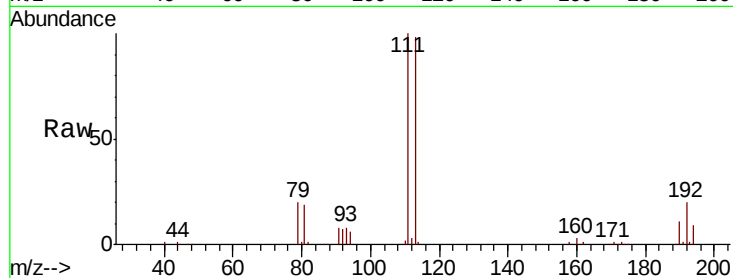




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060486.D
Acq: 4 Dec 2018 14:39

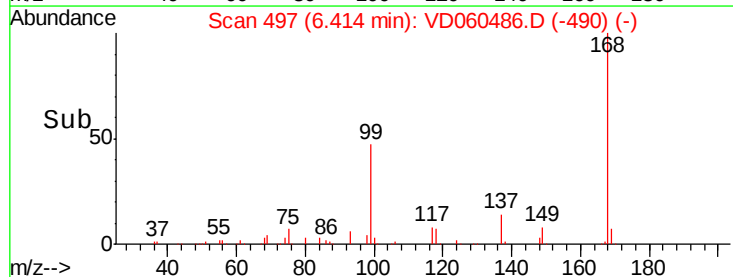
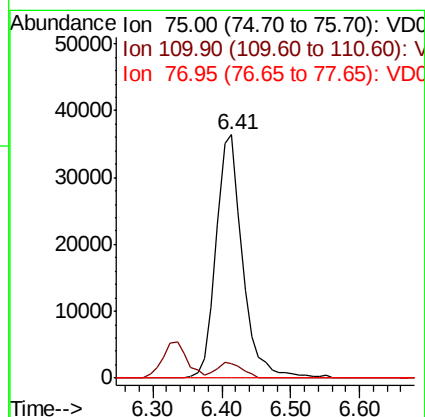
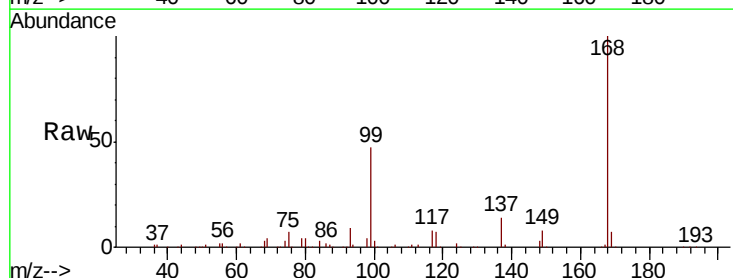
Instrument :
MSVOA_D
ClientSampleId :
72-11932-72-11967

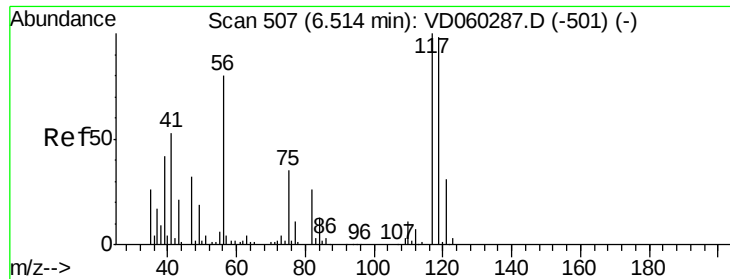
Tot Ion:113 Resp: 696652
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 20.1 16.5 24.7



#36
1,1-Dichloropropene
Concen: 5.188 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.13 min
Lab File: VD060486.D
Acq: 4 Dec 2018 14:39

Tgt Ion: 75 Resp: 96965
Ion Ratio Lower Upper
75 100
110 6.0 18.0 54.0#
77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.10 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

72-11932-72-11967

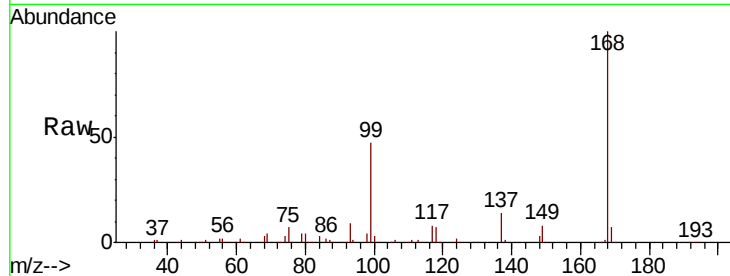
Tot Ion:117 Resp: 106196

Ion Ratio Lower Upper

117 100

119 3.8 76.6 115.0#

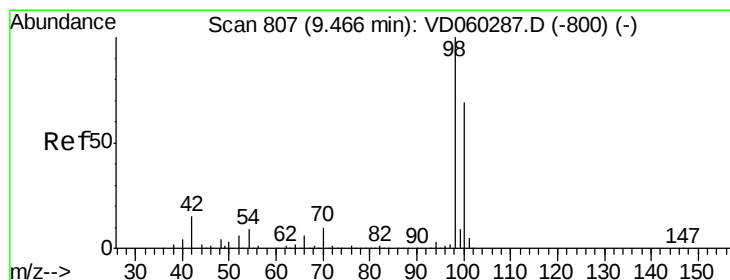
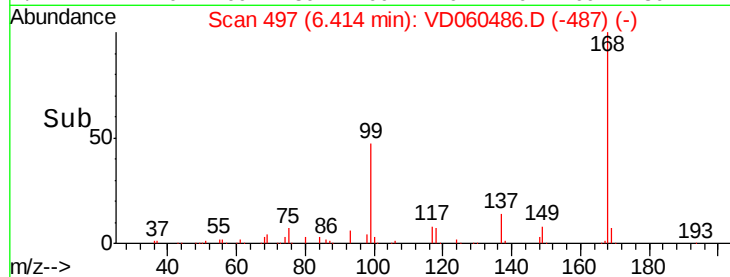
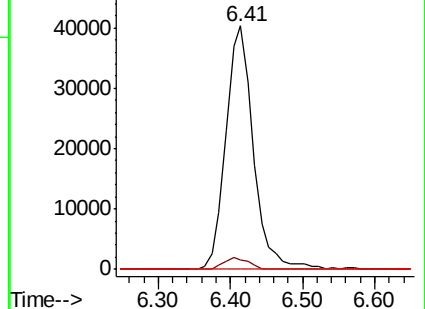
121 0.0 24.3 36.5#



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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060486.D

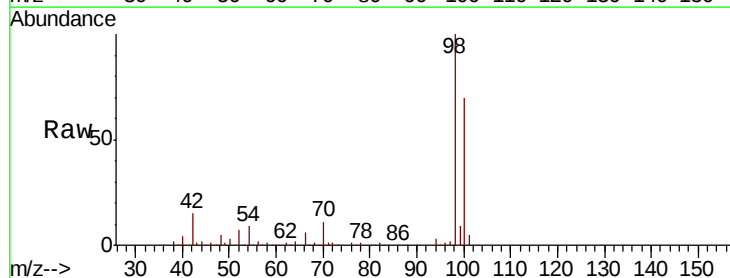
Acq: 4 Dec 2018 14:39

Tgt Ion: 98 Resp: 1774024

Ion Ratio Lower Upper

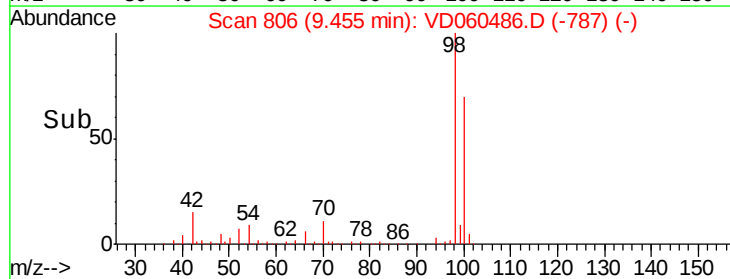
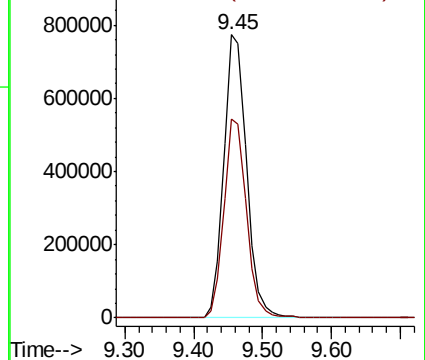
98 100

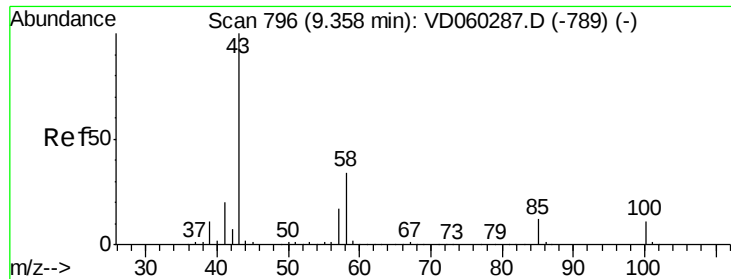
100 70.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.330 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

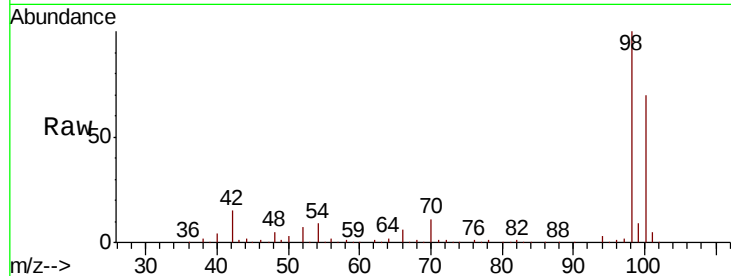
72-11932-72-11967

Tot Ion: 43 Resp: 9349

Ion Ratio Lower Upper

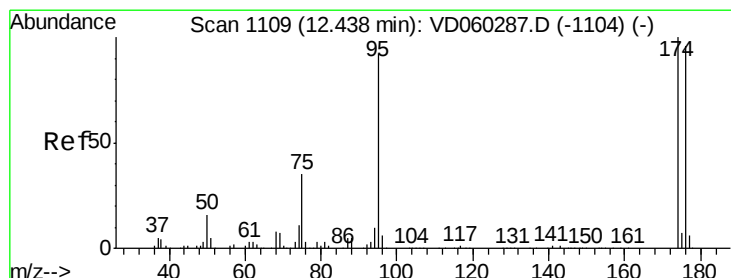
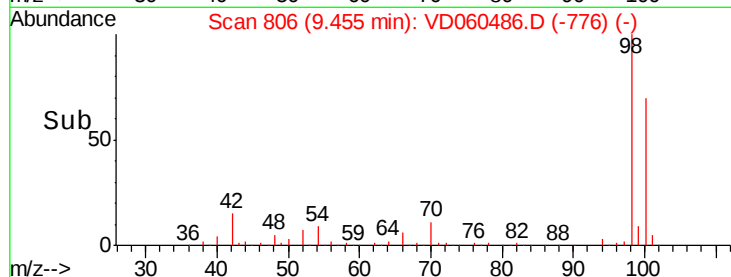
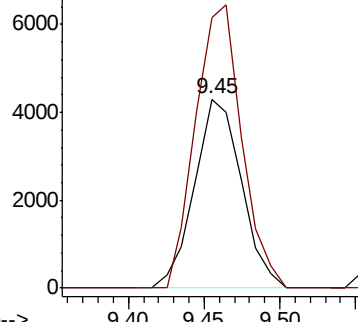
43 100

58 143.1 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

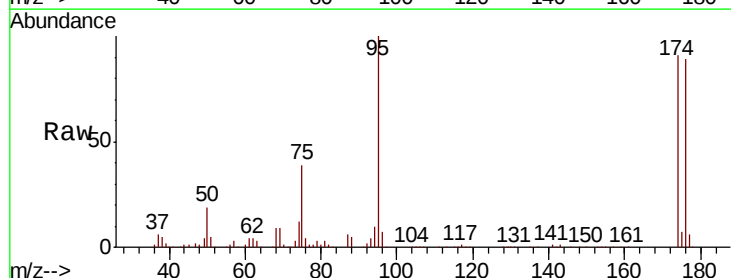
Tgt Ion: 95 Resp: 569777

Ion Ratio Lower Upper

95 100

174 91.1 0.0 160.8

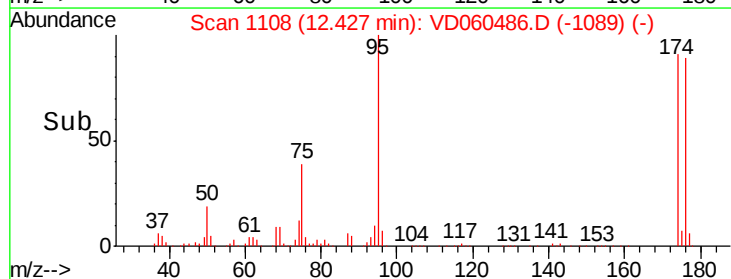
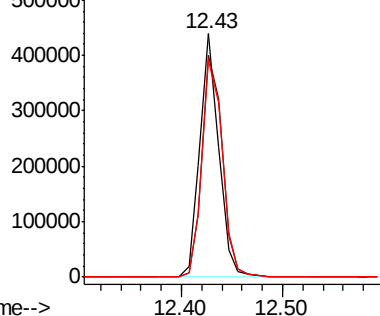
176 88.8 0.0 154.6

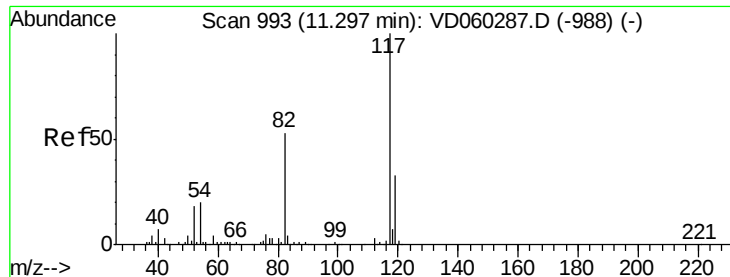


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

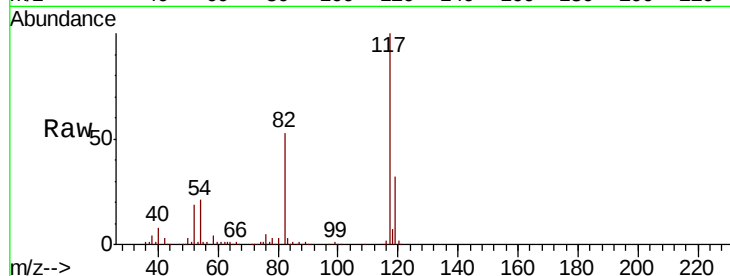




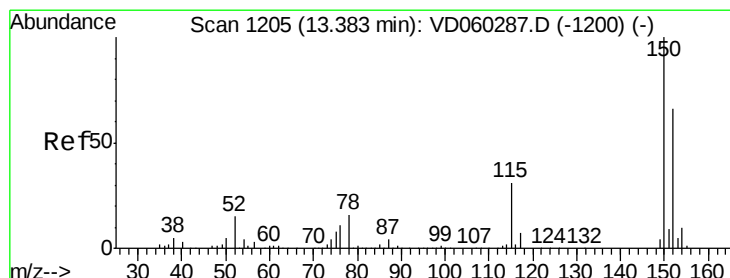
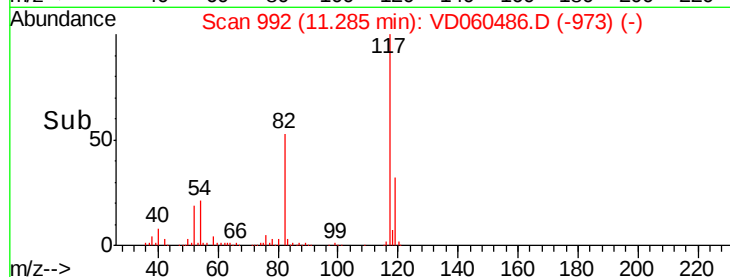
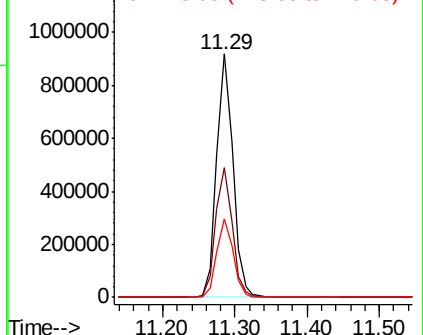
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060486.D
Acq: 4 Dec 2018 14:39

Instrument :
MSVOA_D
ClientSampleId :
72-11932-72-11967

Tot Ion:117 Resp: 1423796
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.1 26.1 39.1

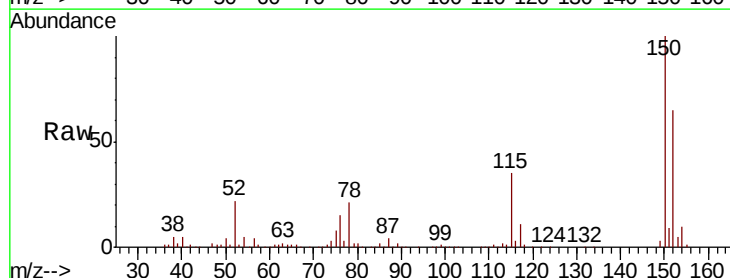


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

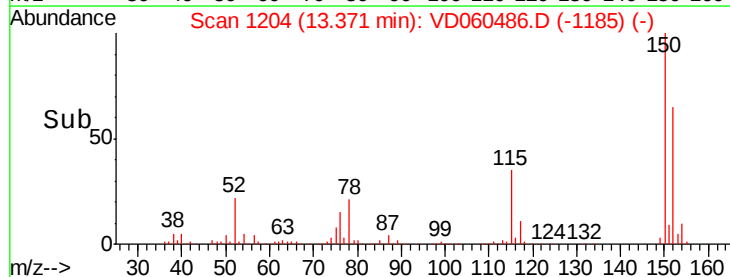
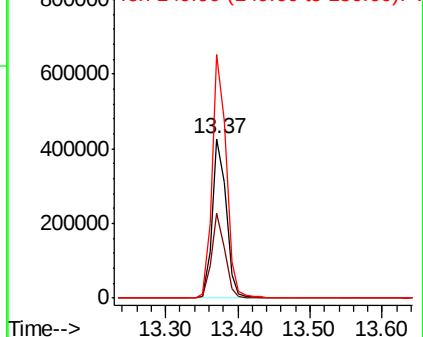


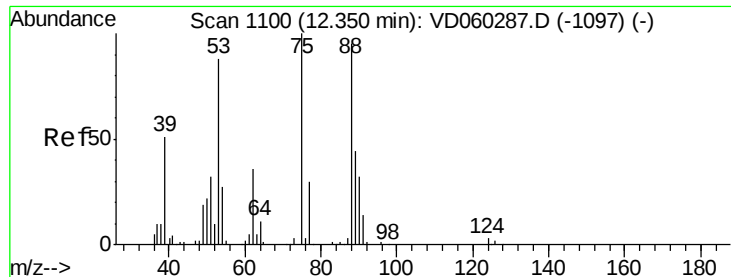
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060486.D
Acq: 4 Dec 2018 14:39

Tgt Ion:152 Resp: 565811
Ion Ratio Lower Upper
152 100
115 53.3 24.1 72.3
150 153.0 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: 116.927 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060486.D

Acq: 4 Dec 2018 14:39

Instrument :

MSVOA_D

ClientSampleId :

72-11932-72-11967

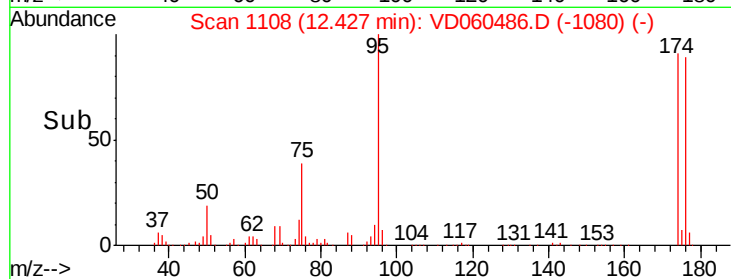
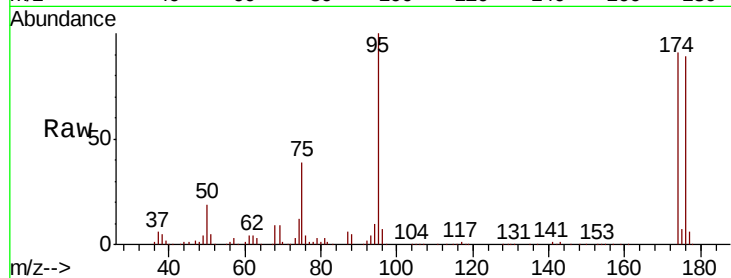
Tot Ion: 75 Resp: 225313

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

