

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD063996.D
 Acq On : 17 Oct 2019 10:48
 Operator : VA/SY
 Sample : VD1017SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 17 17:29:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	195006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	348676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	109317	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	7.92	113	111231	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.34	98	454483	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	141668	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

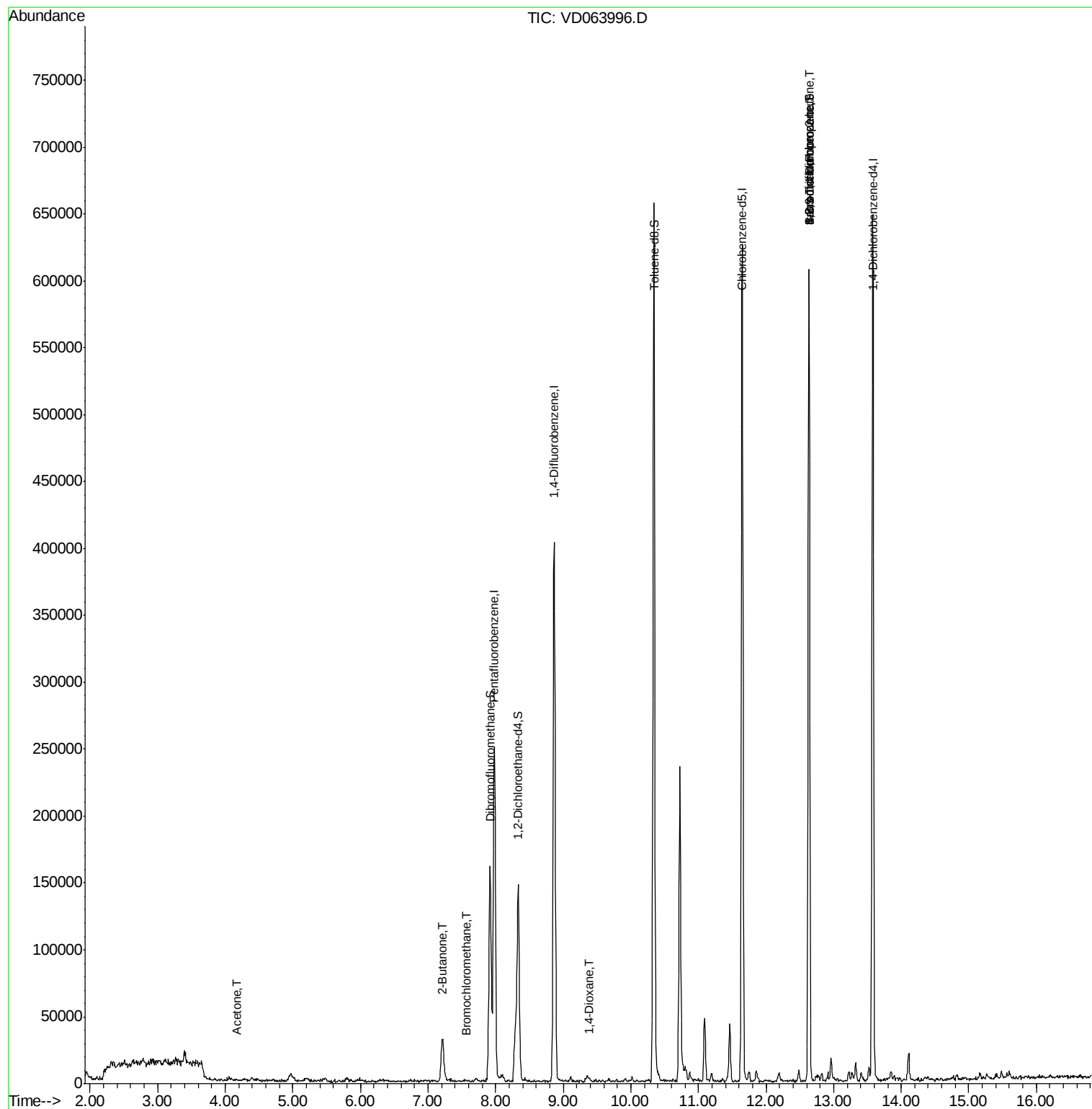
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	1495	Below Cal		97
16) Acetone	4.16	43	1644	3.326 ug/l #		42
20) Methylene Chloride	4.97	84	3842	Below Cal #		63
25) 2-Butanone	7.21	43	1937	3.307 ug/l #		51
28) Bromochloromethane	7.56	49	210	2.020 ug/l #		10
31) Cyclohexane	7.99	56	5213	Below Cal #		12
37) Ethyl Acetate	7.30	43	311	Below Cal #		68
49) 1,4-Dioxane	9.38	88	56	3.186 ug/l #		1
71) Bromoform	12.63	173	2182	1.576 ug/l #		1
76) 1,2,3-Trichloropropane	12.64	75	81427	73.027 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	81427	129.228 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	14.52	75	116	Below Cal #		1

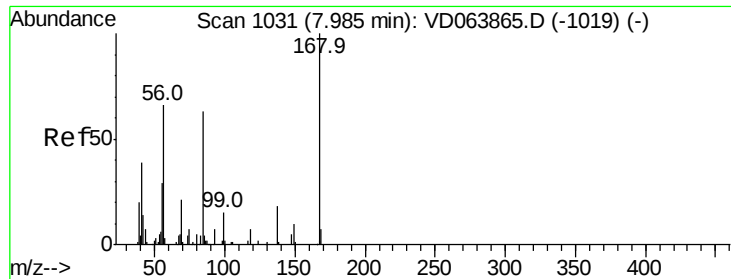
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

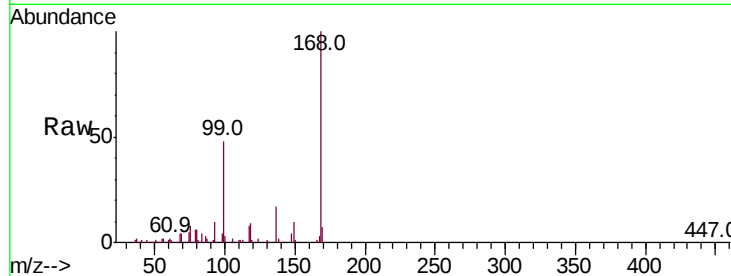
ClientSampleId :

Tot Ion:168 Resp: 195006

Ion Ratio Lower Upper

168 100

99 47.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

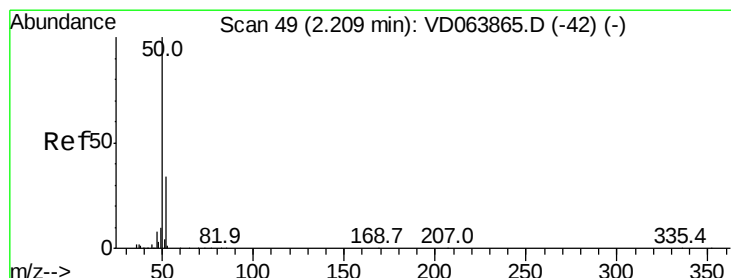
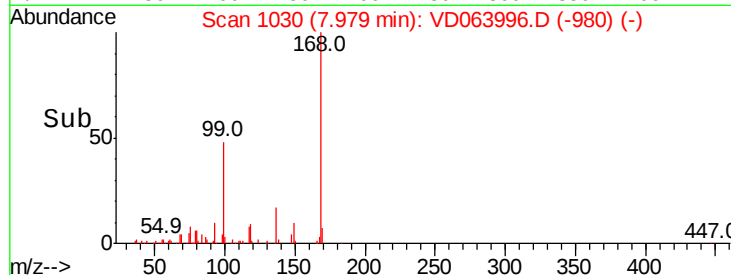
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD063996.D

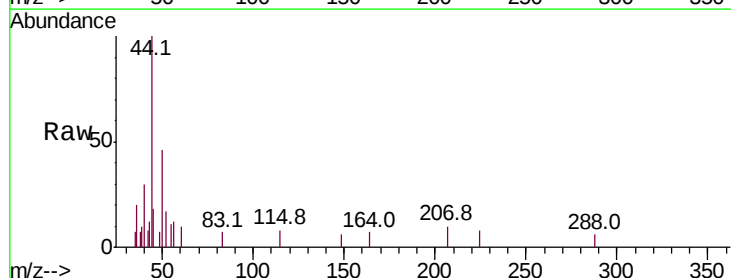
Acq: 17 Oct 2019 10:48

Tgt Ion: 50 Resp: 1495

Ion Ratio Lower Upper

50 100

52 36.3 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

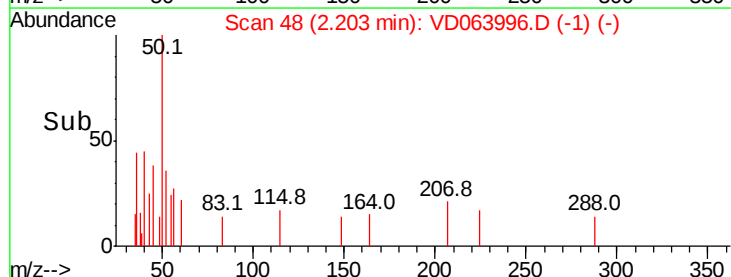
2.20

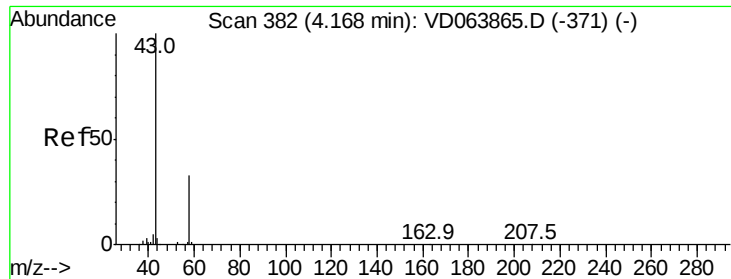
1000

500

0

Time-->





#16

Acetone

Concen: 3.326 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

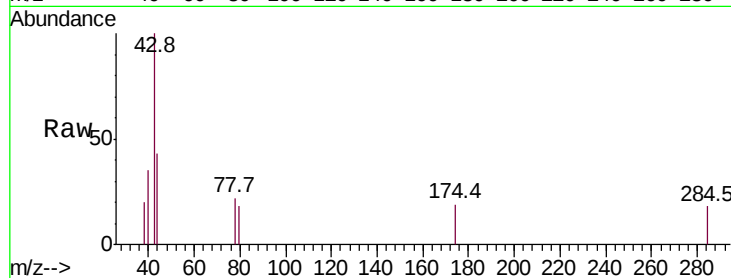
ClientSampled :

Tot Ion: 43 Resp: 1644

Ion Ratio Lower Upper

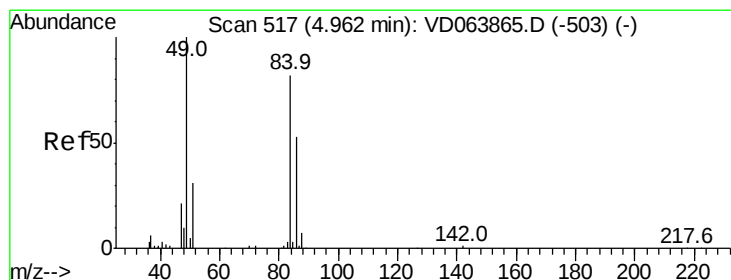
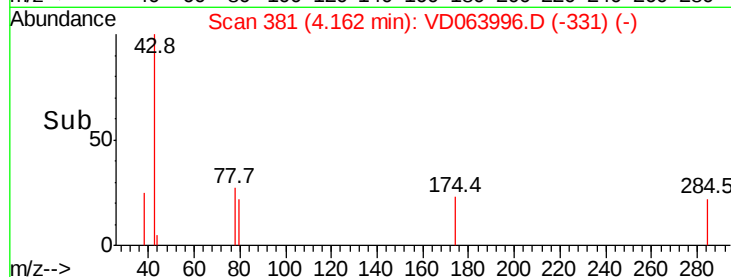
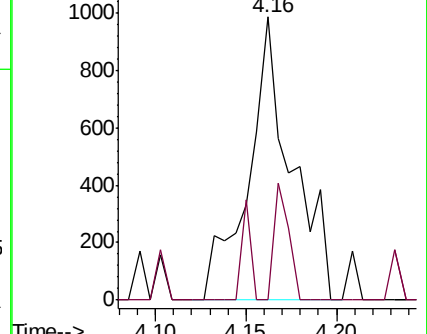
43 100

58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Tgt Ion: 84 Resp: 3842

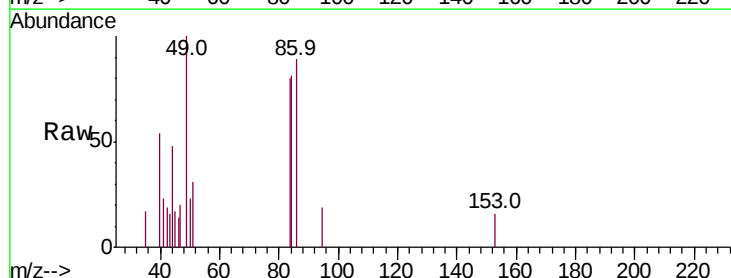
Ion Ratio Lower Upper

84 100

49 62.3 97.3 145.9#

51 19.1 30.1 45.1#

86 55.7 51.4 77.2

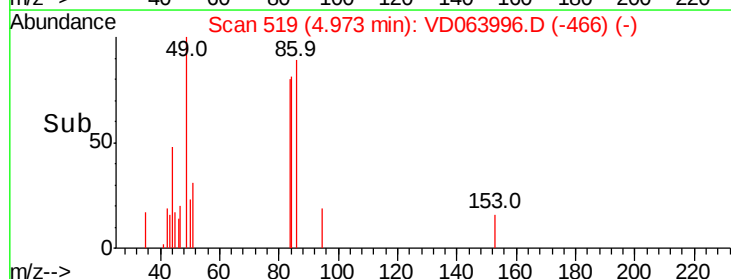
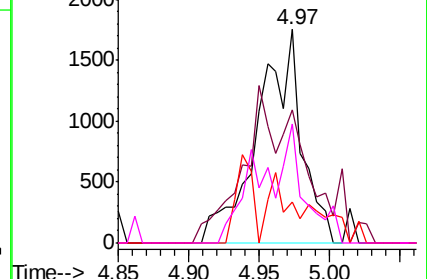


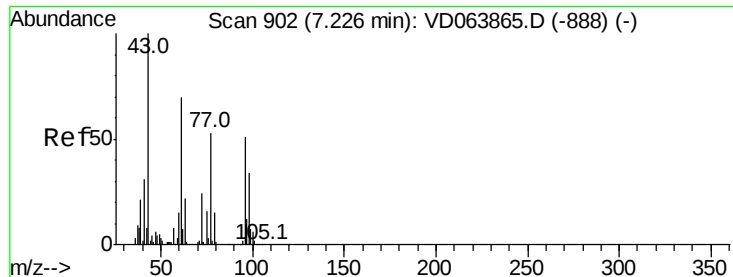
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 3.307 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

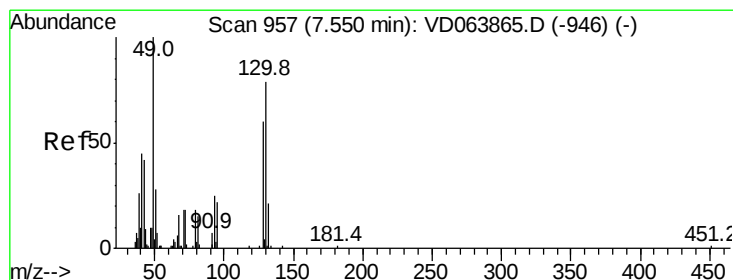
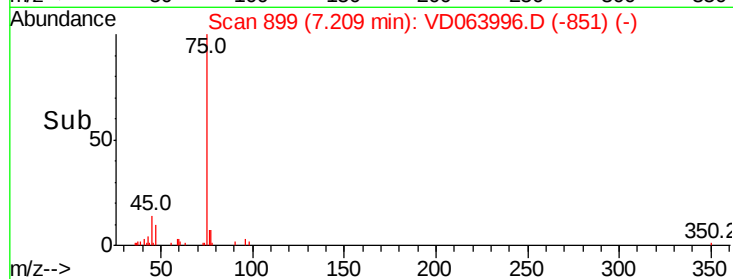
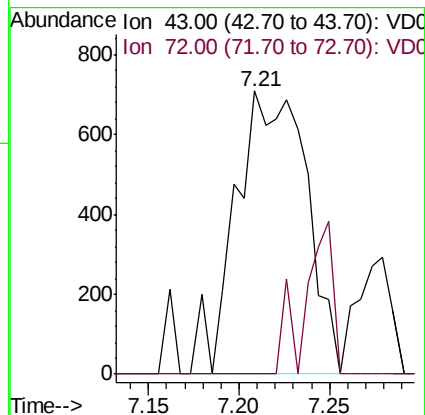
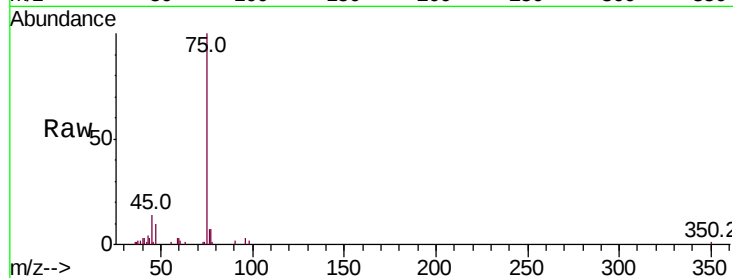
ClientSampled :

Tot Ion: 43 Resp: 1937

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#28

Bromochloromethane

Concen: 2.020 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

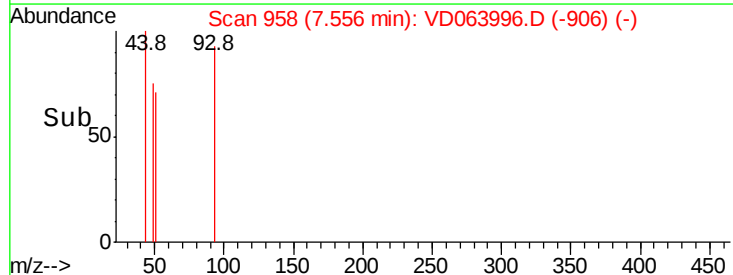
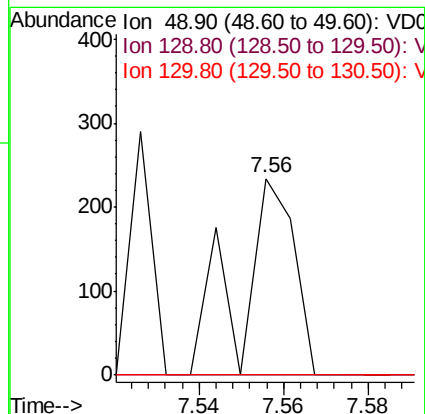
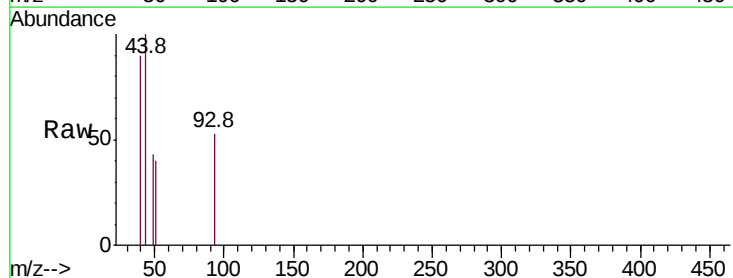
Tgt Ion: 49 Resp: 210

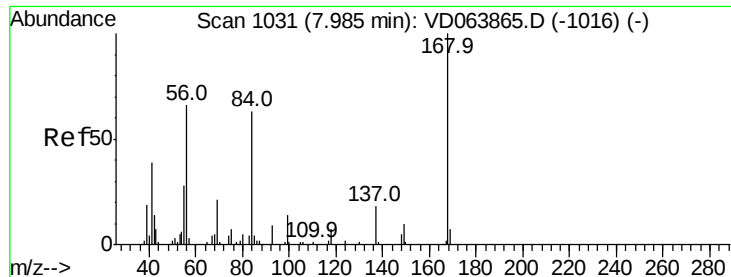
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 0.0 66.8 100.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :

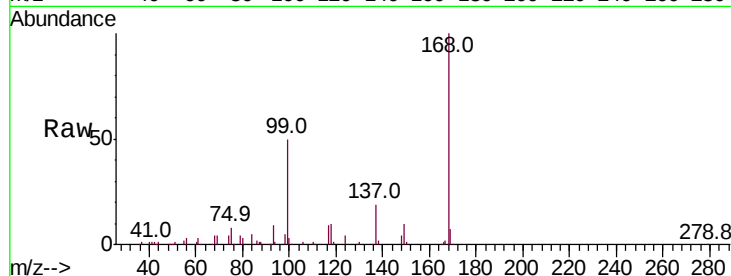
Tot Ion: 56 Resp: 5213

Ion Ratio Lower Upper

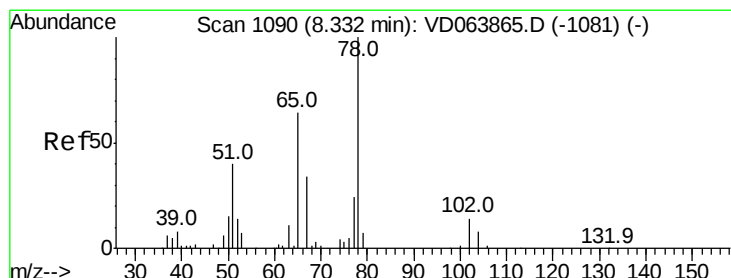
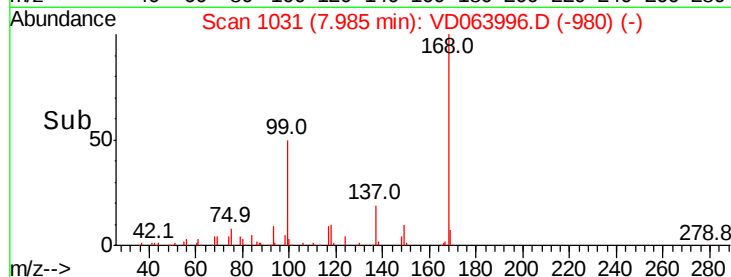
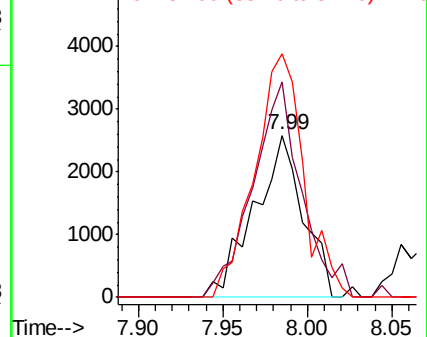
56 100

69 133.4 25.0 37.4#

84 150.5 76.3 114.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 57.580 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD063996.D

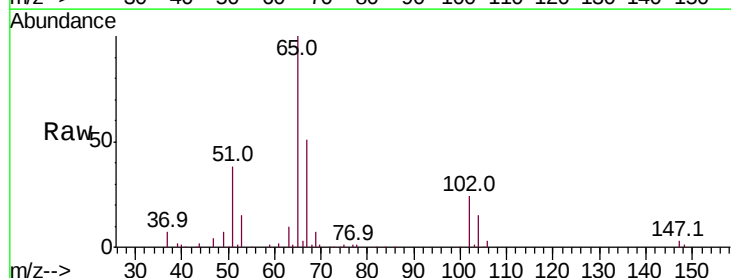
Acq: 17 Oct 2019 10:48

Tgt Ion: 65 Resp: 109317

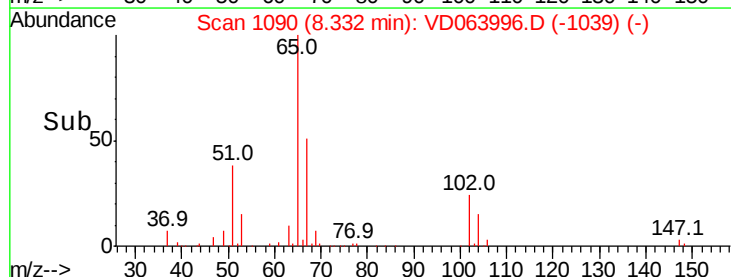
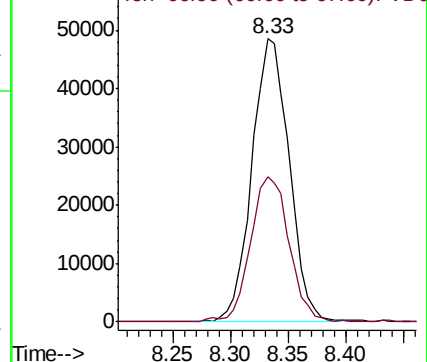
Ion Ratio Lower Upper

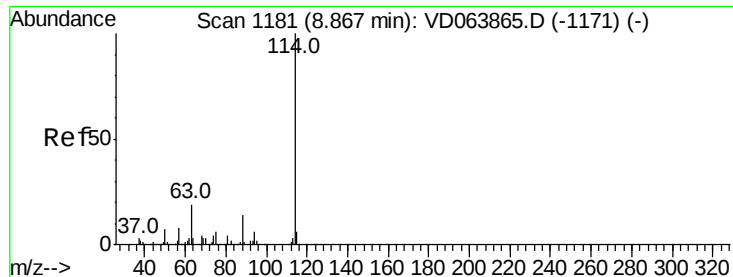
65 100

67 52.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

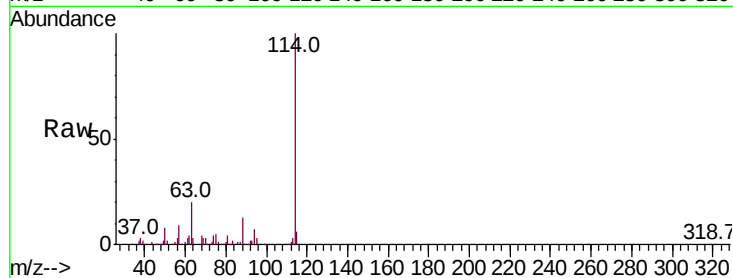
Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 352608

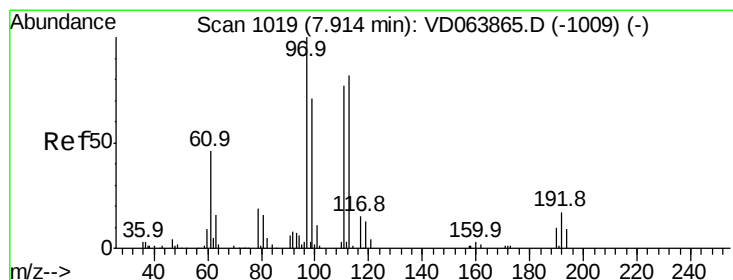
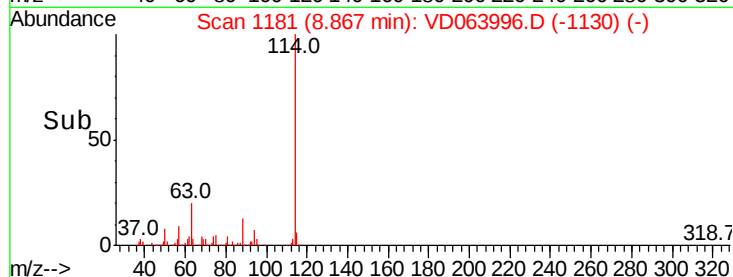
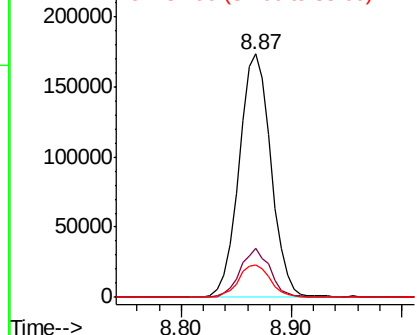
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.4
88	13.2	0.0	27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.618 ug/l

RT: 7.92 min Scan# 1020

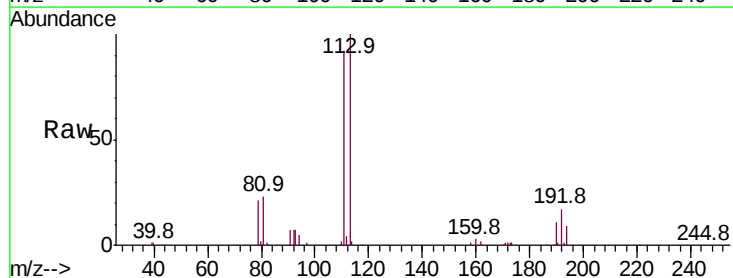
Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Tgt Ion:113 Resp: 111231

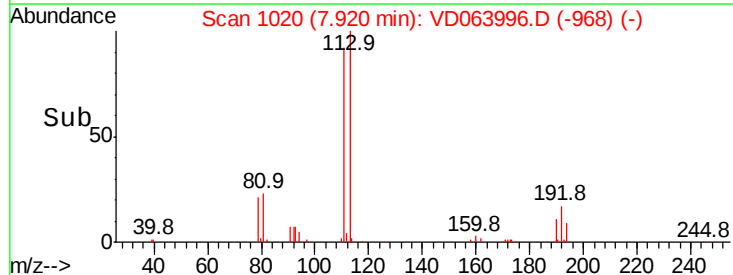
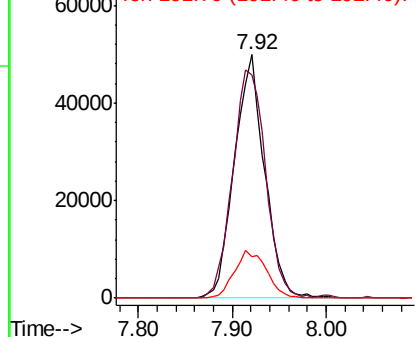
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	20.6	17.1	25.7

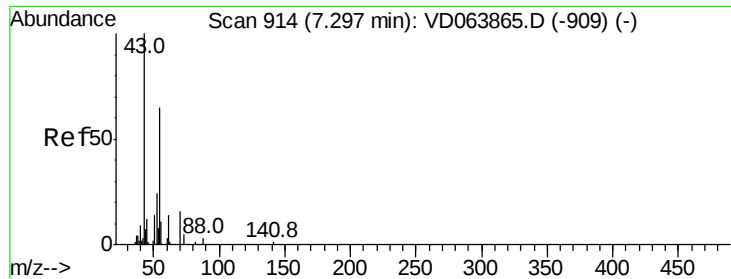


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

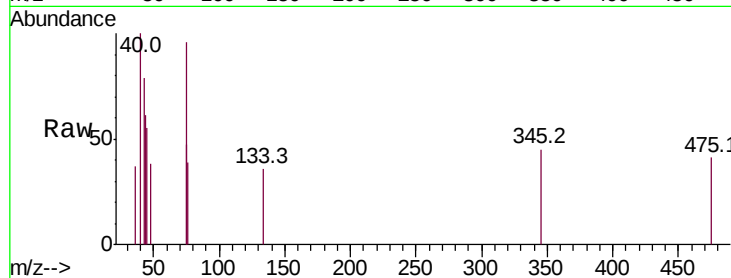
Tot Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

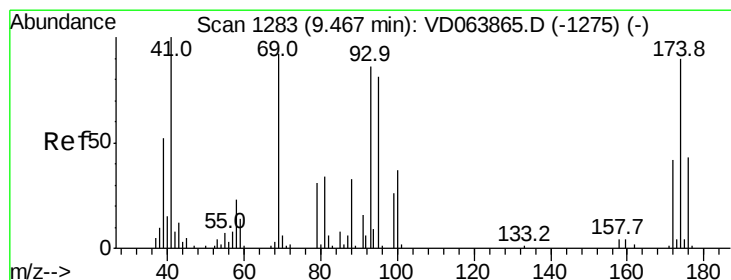
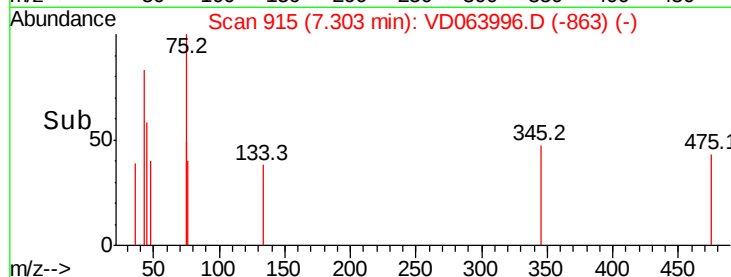
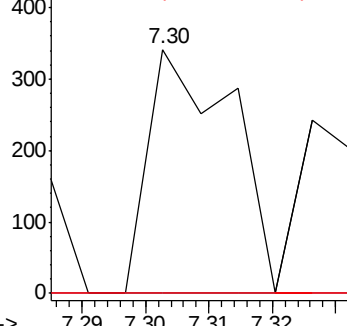
70 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#49

1,4-Dioxane

Concen: 3.186 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.09 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

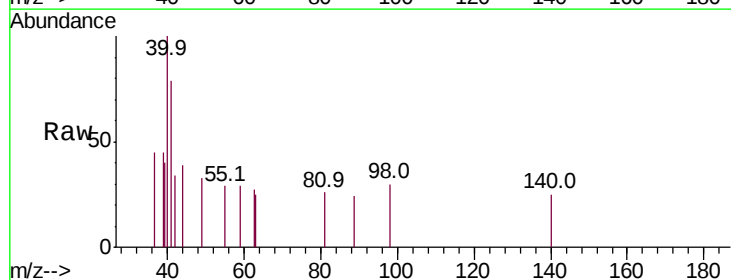
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 148.2 27.6 41.4#

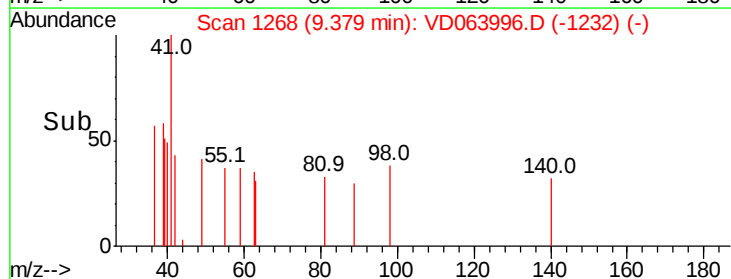
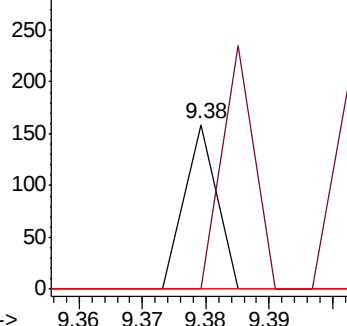
58 0.0 54.1 81.1#

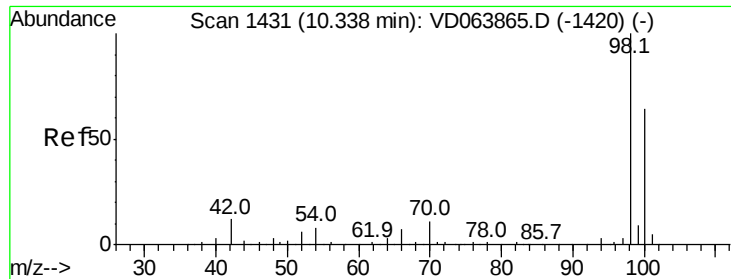


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

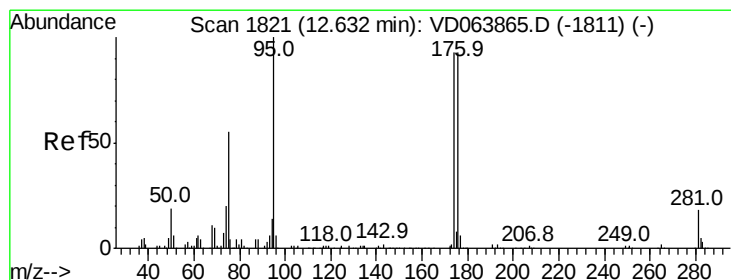
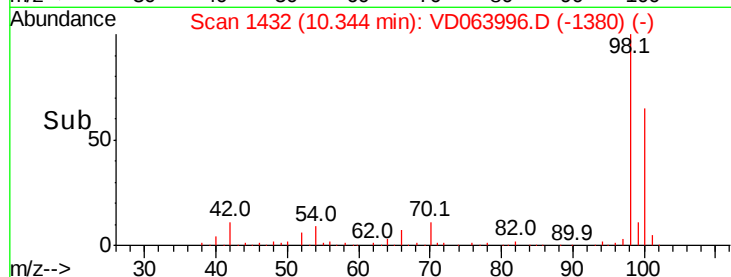
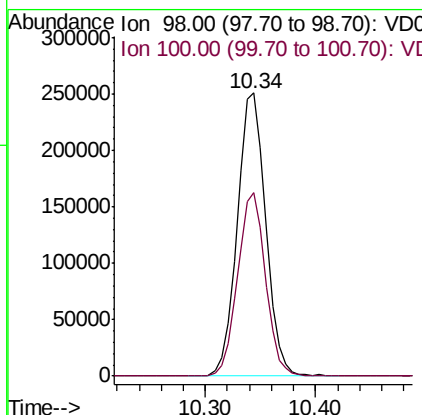
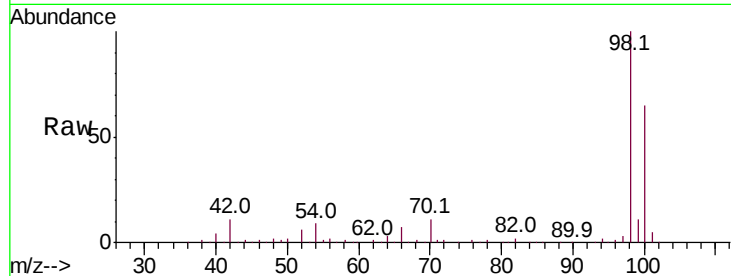




#50
Toluene-d8
Concen: 51.962 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063996.D
Acq: 17 Oct 2019 10:48

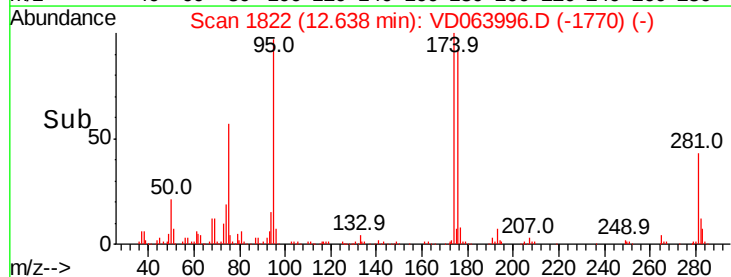
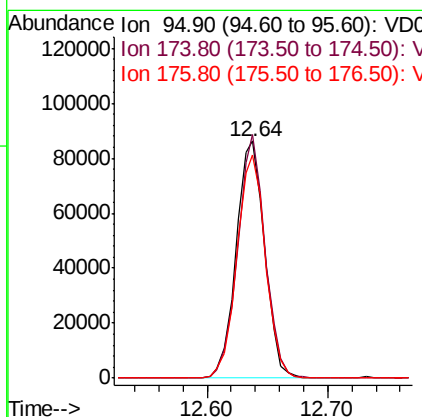
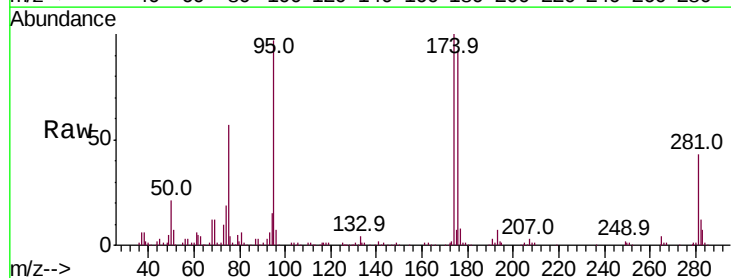
Instrument :
MSVOA_D
ClientSampled :

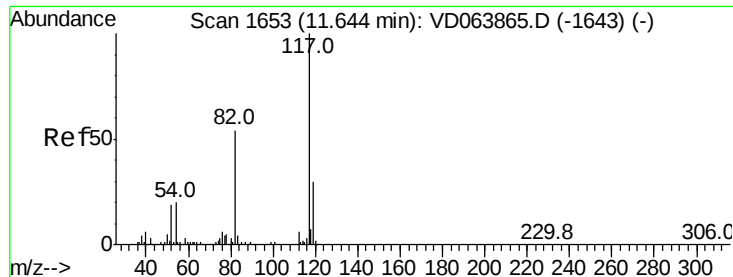
Tot Ion: 98 Resp: 454483
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.611 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063996.D
Acq: 17 Oct 2019 10:48

Tgt Ion: 95 Resp: 141668
Ion Ratio Lower Upper
95 100
174 98.5 0.0 186.4
176 94.4 0.0 184.2

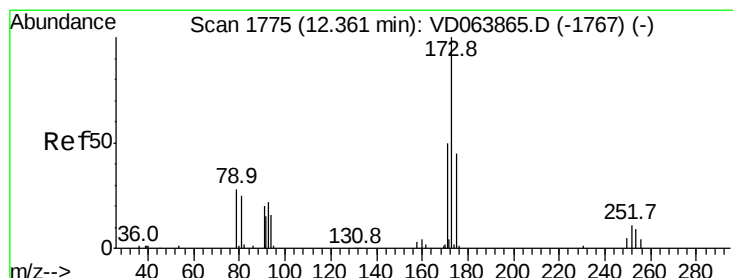
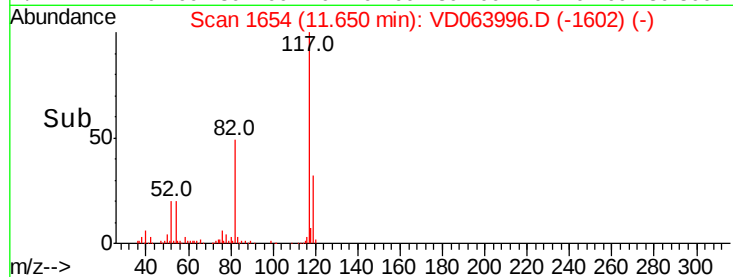
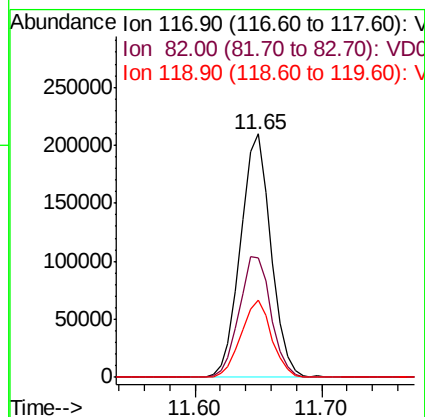
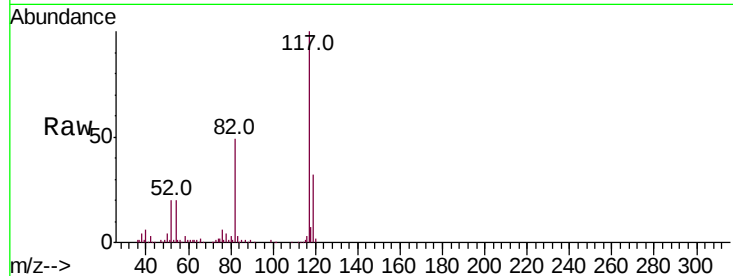




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063996.D
Acq: 17 Oct 2019 10:48

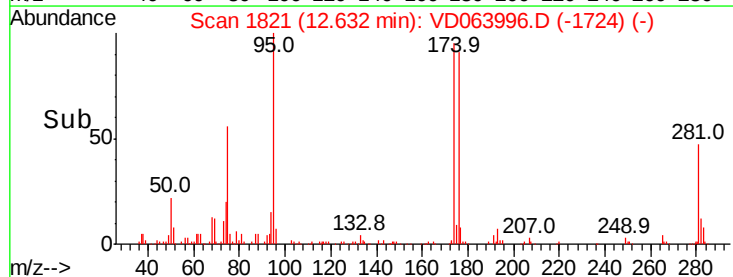
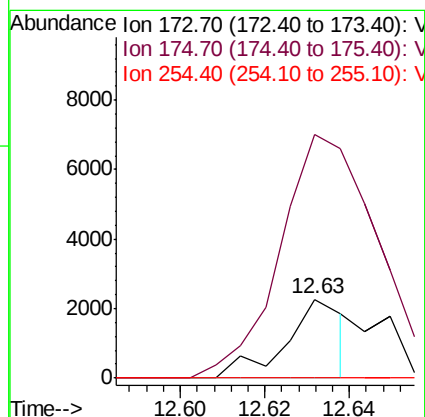
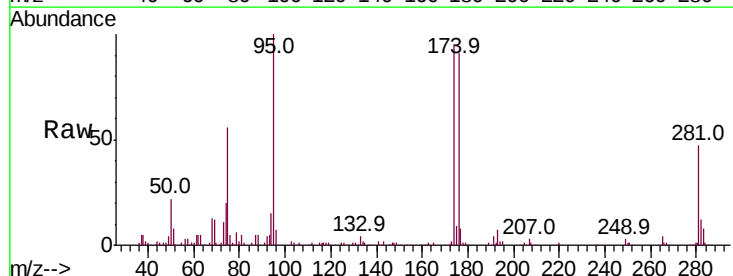
Instrument :
MSVOA_D
ClientSampled :

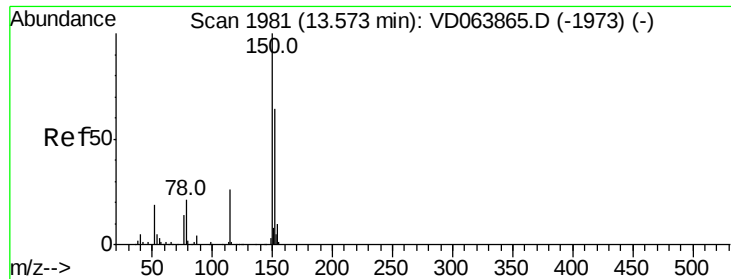
Tot Ion:117 Resp: 348676
Ion Ratio Lower Upper
117 100
82 49.1 42.8 64.2
119 31.9 24.4 36.6



#71
Bromoform
Concen: 1.576 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063996.D
Acq: 17 Oct 2019 10:48

Tgt Ion:173 Resp: 2182
Ion Ratio Lower Upper
173 100
175 354.1 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

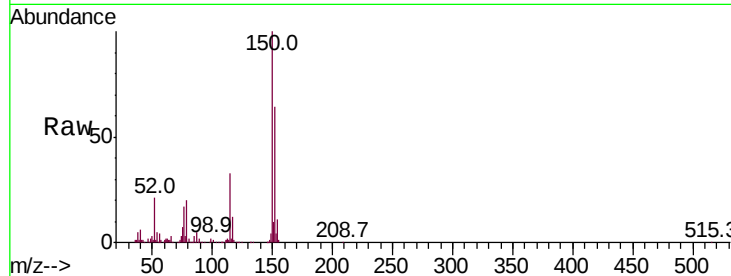
Tot Ion:152 Resp: 166479

Ion Ratio Lower Upper

152 100

115 56.0 25.9 77.7

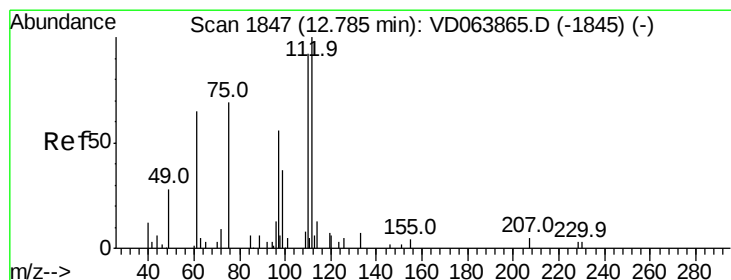
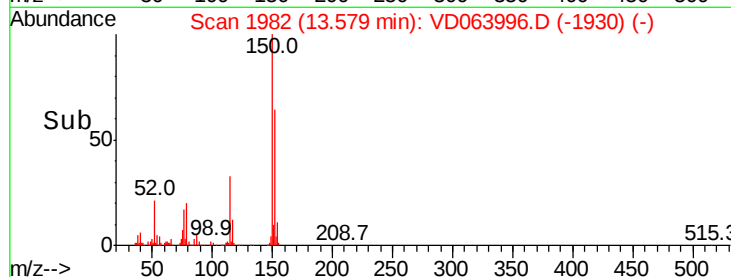
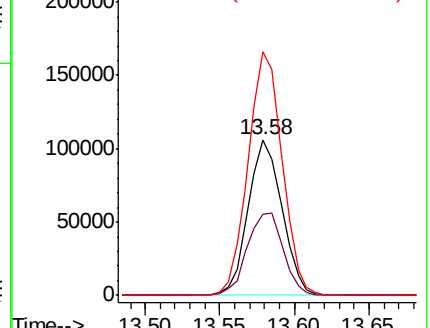
150 157.6 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 73.027 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063996.D

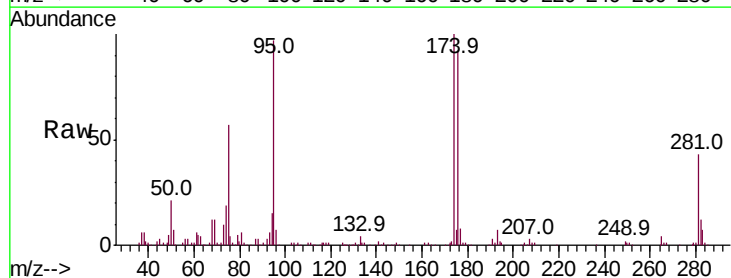
Acq: 17 Oct 2019 10:48

Tgt Ion: 75 Resp: 81427

Ion Ratio Lower Upper

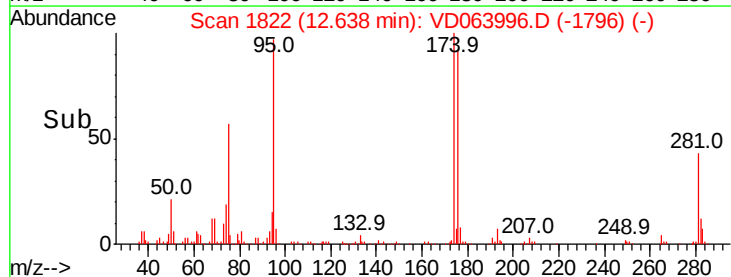
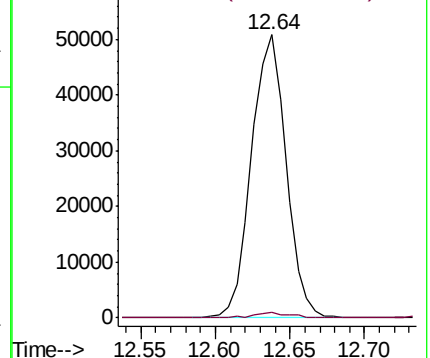
75 100

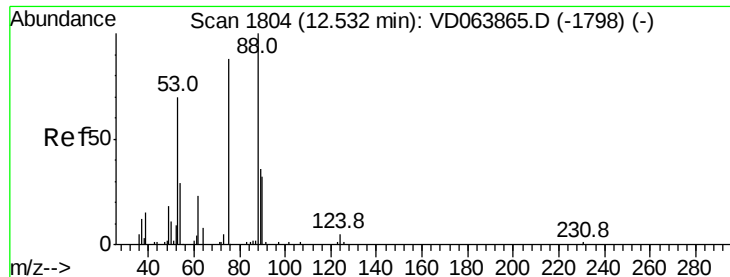
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 129.228 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

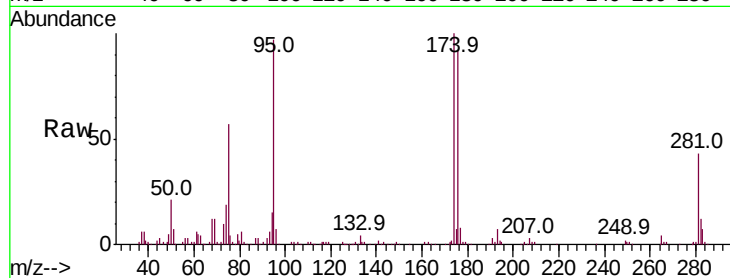
Tot Ion: 75 Resp: 81427

Ion Ratio Lower Upper

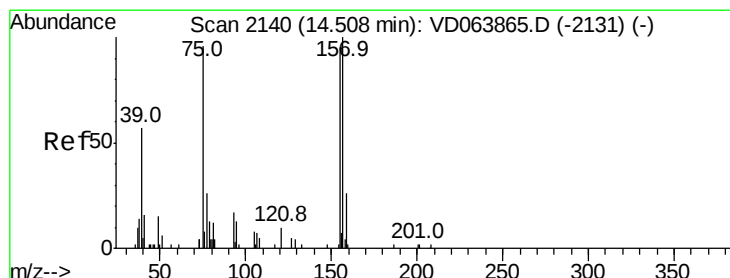
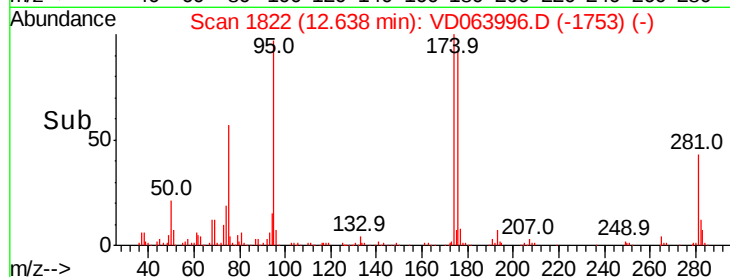
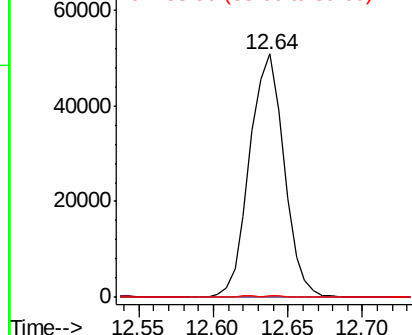
75 100

53 0.0 75.0 112.6#

89 0.3 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD063996.D

Acq: 17 Oct 2019 10:48

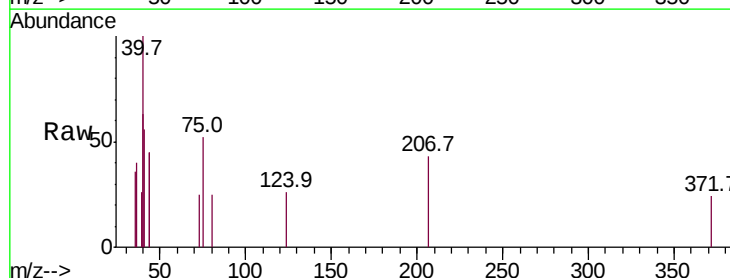
Tgt Ion: 75 Resp: 116

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

