

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063870.D
 Acq On : 02 Oct 2019 20:30
 Operator : VA/SY
 Sample : VD1002SBL07
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBL04

Quant Time: Oct 03 04:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	179705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	296325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	139999	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	93939	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.92	113	89436	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.34	98	369072	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.63	95	116013	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

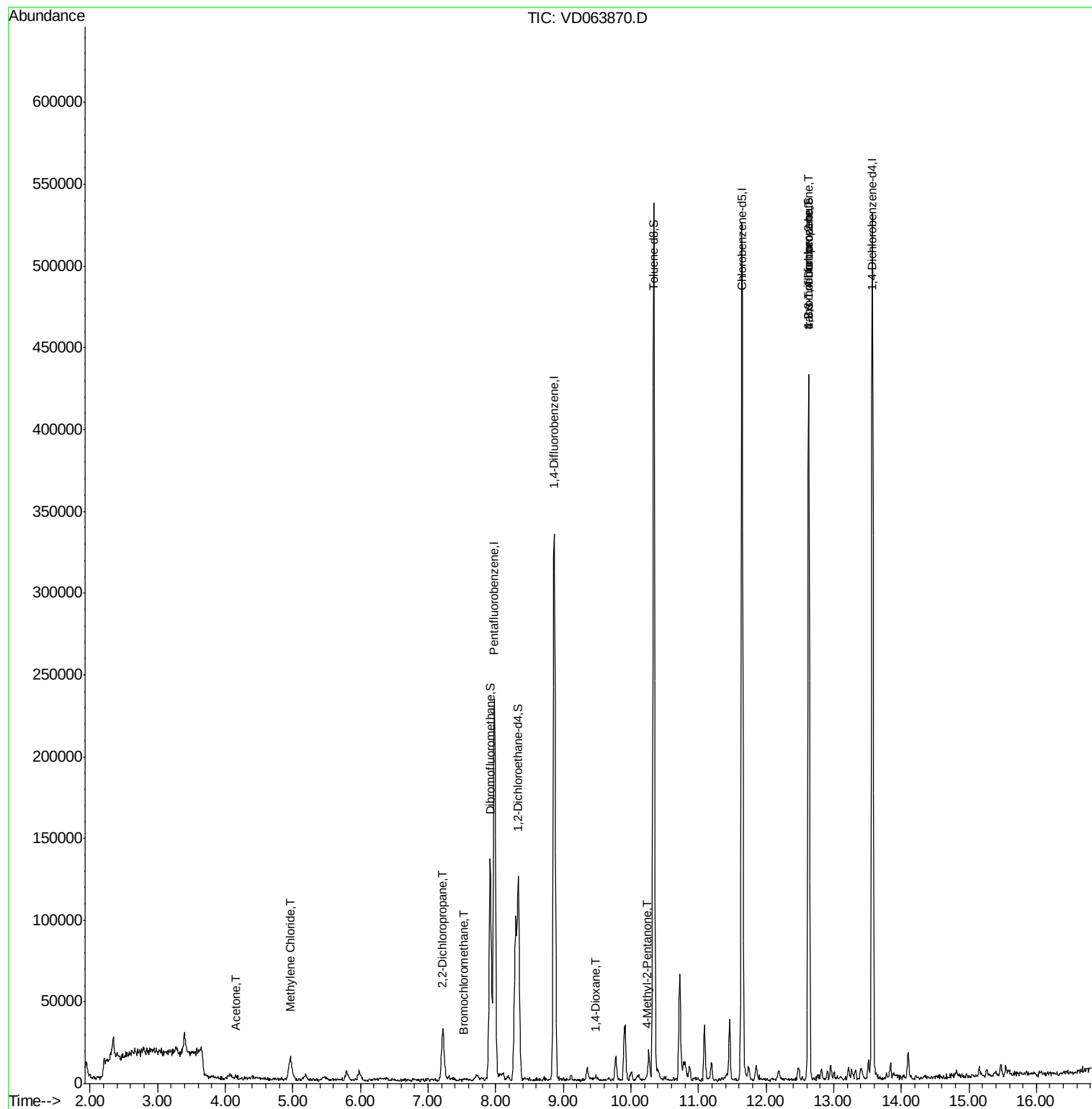
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1996	Below Cal	#	88
11) Tert butyl alcohol	5.24	59	264	Below Cal	#	55
16) Acetone	4.16	43	1183	2.597	ug/l #	74
20) Methylene Chloride	4.96	84	9442	1.768	ug/l #	72
26) 2,2-Dichloropropane	7.21	77	3281	1.151	ug/l #	53
28) Bromochloromethane	7.53	49	246	2.062	ug/l #	66
31) Cyclohexane	7.98	56	5838	Below Cal	#	65
37) Ethyl Acetate	7.30	43	1226	Below Cal	#	76
49) 1,4-Dioxane	9.47	88	121	8.190	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	1656	1.405	ug/l #	46
76) 1,2,3-Trichloropropane	12.63	75	64104	68.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	64104	120.978	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.47	75	57	Below Cal	#	1

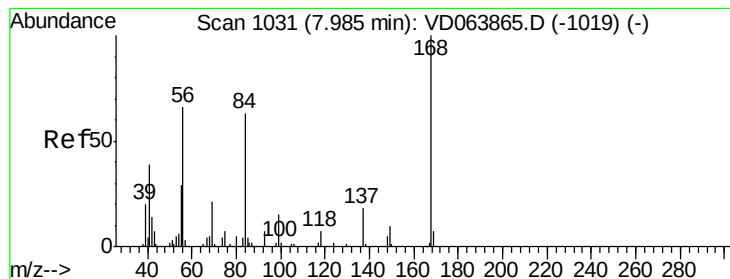
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 04:11:50 2019
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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:02:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

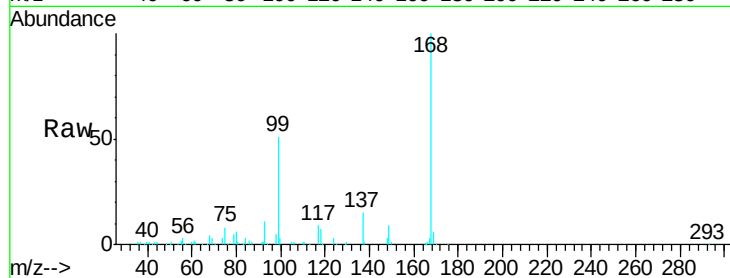
VD1002SBL04

Tgt Ion:168 Resp: 179705

Ion Ratio Lower Upper

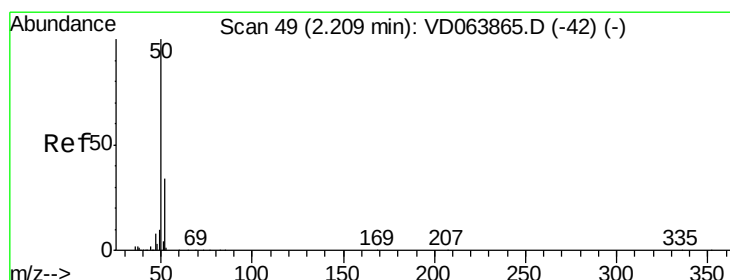
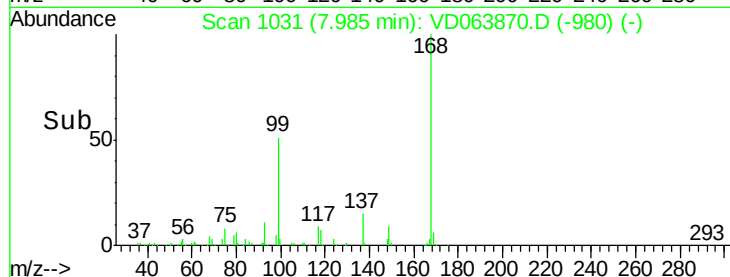
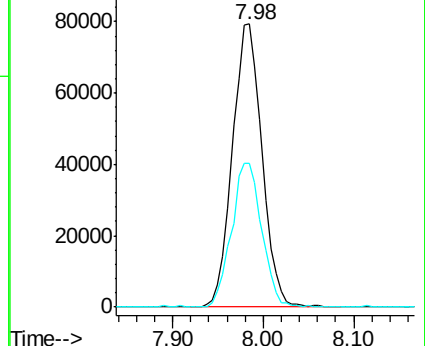
168 100

99 50.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063870.D

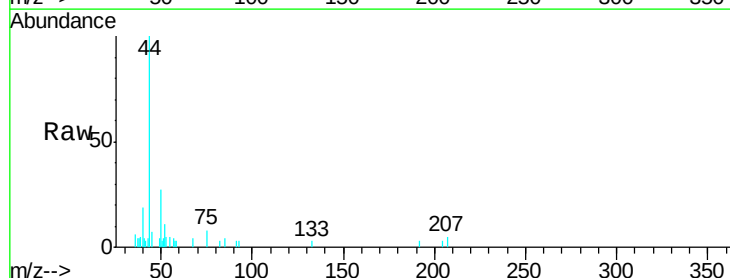
Acq: 02 Oct 2019 20:30

Tgt Ion: 50 Resp: 1996

Ion Ratio Lower Upper

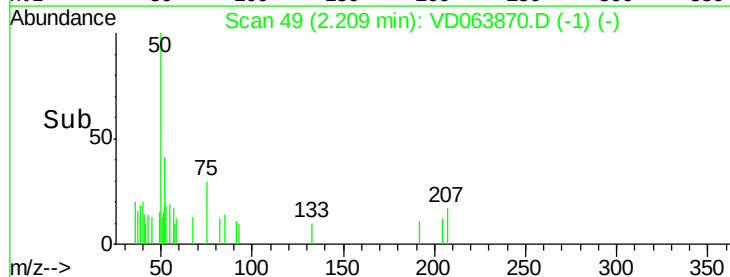
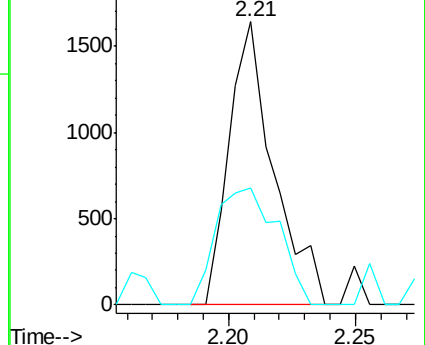
50 100

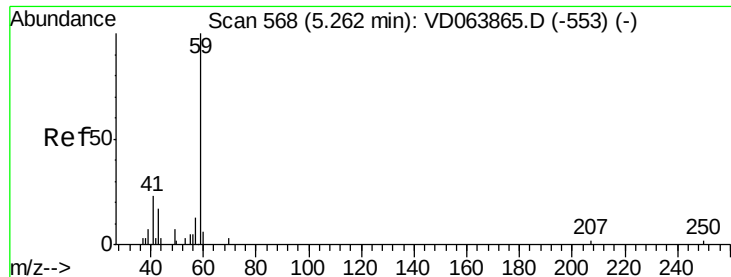
52 41.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

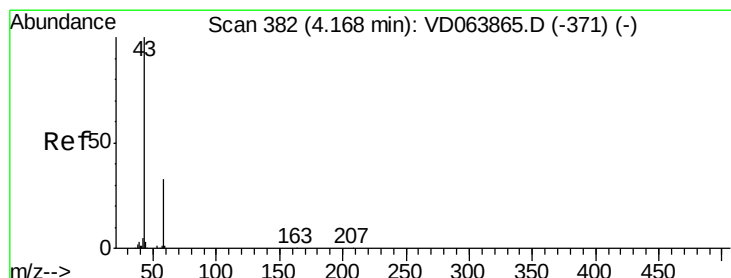
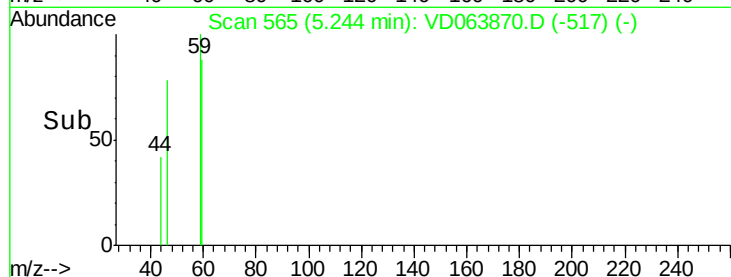
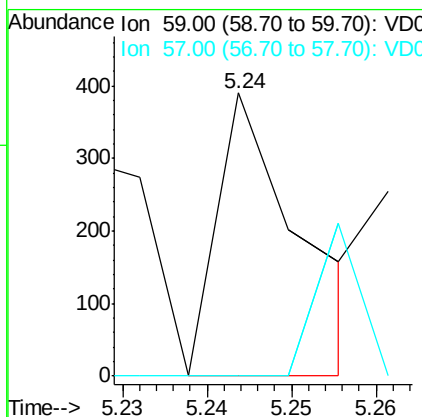
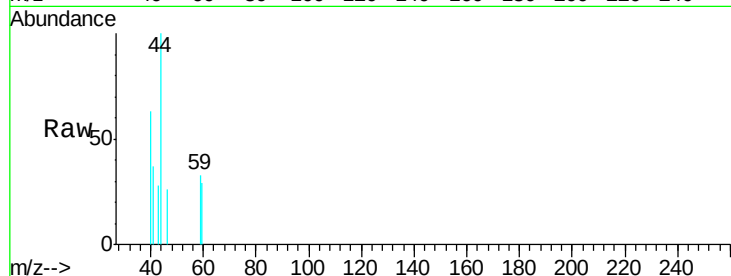




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

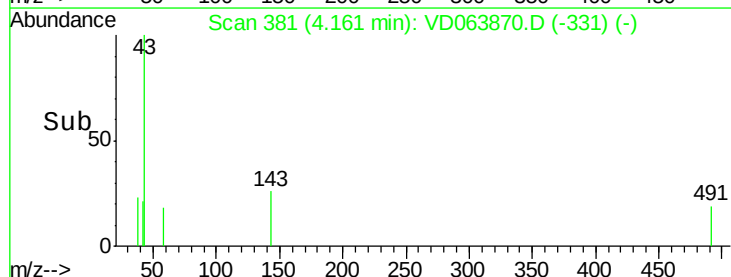
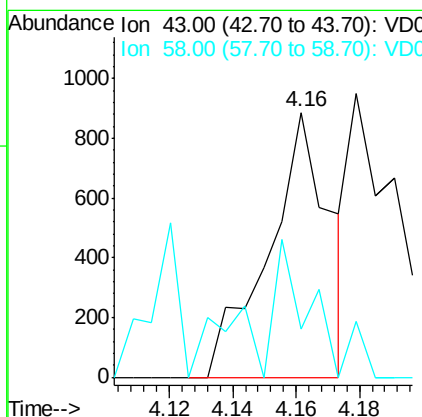
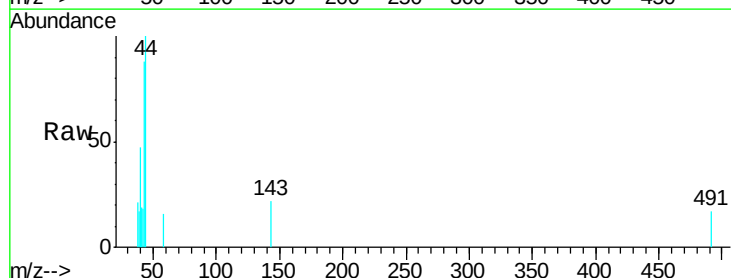
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL04

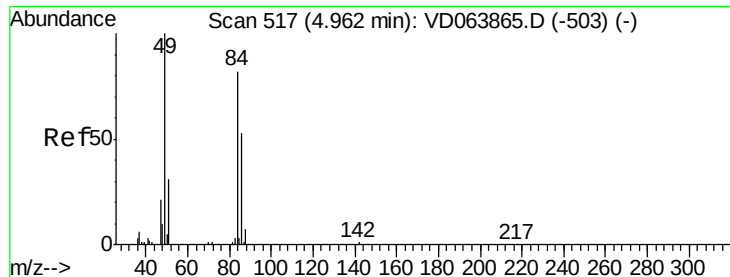
Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 28.0 8.8 13.2#



#16
Acetone
Concen: 2.597 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 18.2 26.2 39.4#

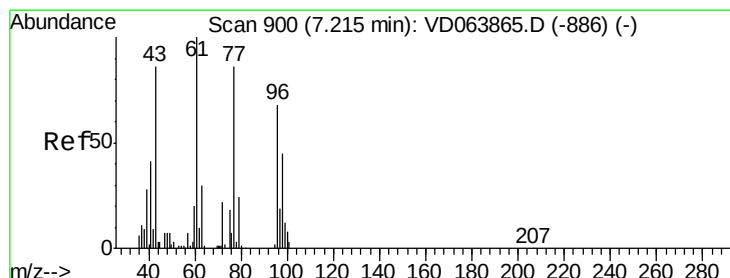
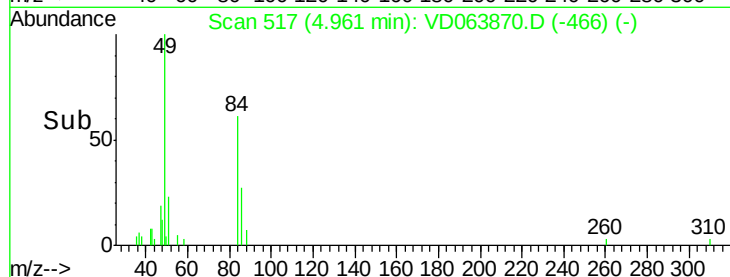
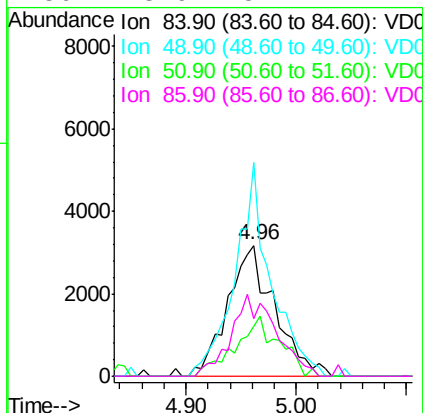
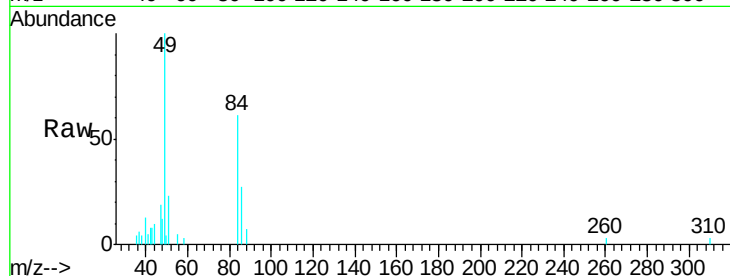




#20
Methylene Chloride
Concen: 1.768 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

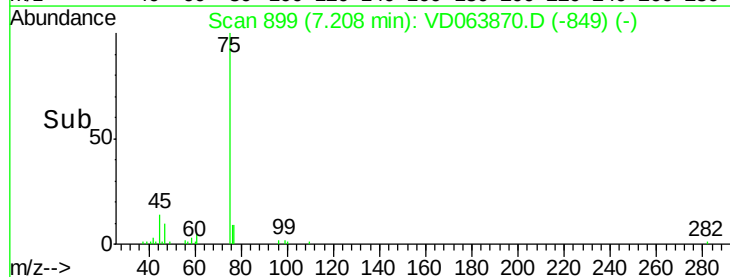
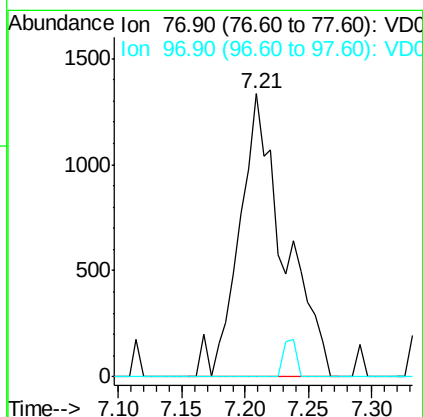
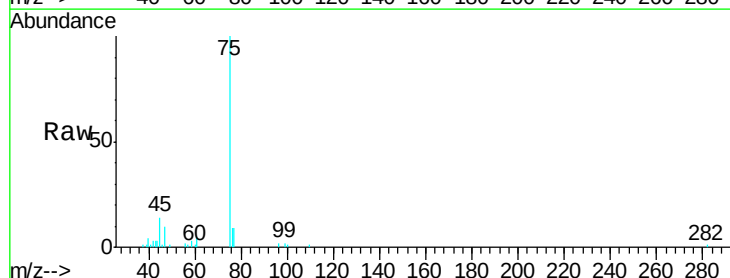
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL04

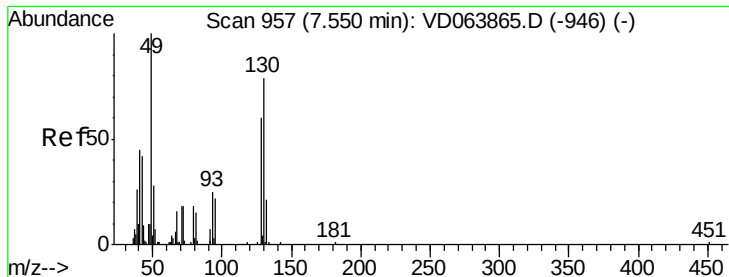
Tgt Ion: 84 Resp: 9442
Ion Ratio Lower Upper
84 100
49 163.1 97.3 145.9#
51 38.3 30.1 45.1
86 43.9 51.4 77.2#



#26
2,2-Dichloropropane
Concen: 1.151 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

Tgt Ion: 77 Resp: 3281
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#





#28

Bromochloromethane

Concen: 2.062 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.02 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL04

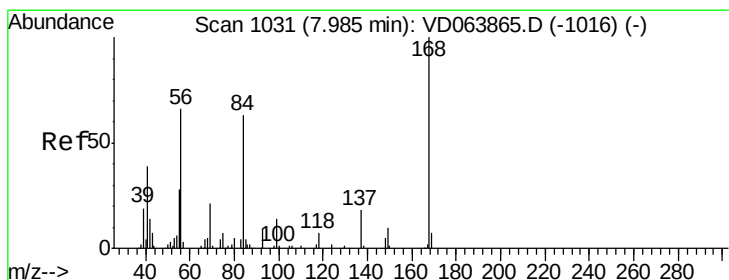
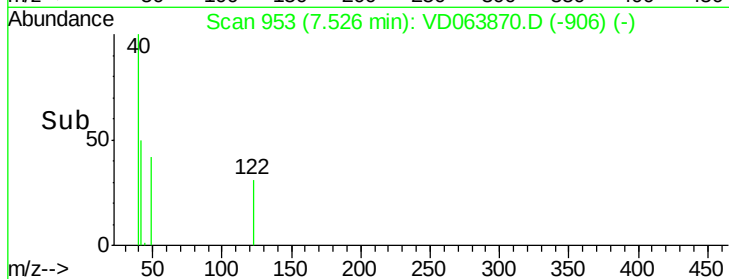
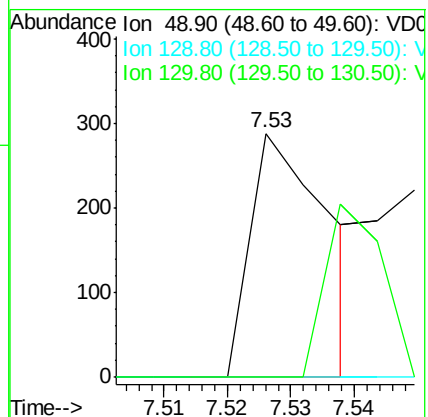
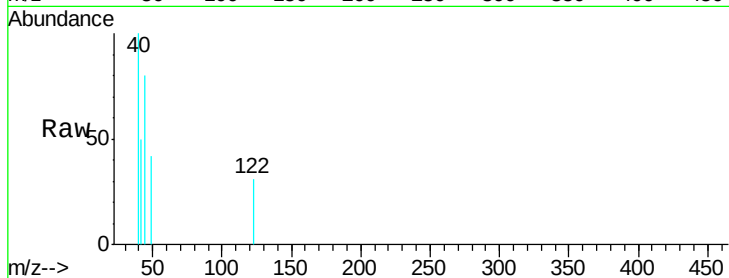
Tgt Ion: 49 Resp: 246

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 52.4 66.8 100.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

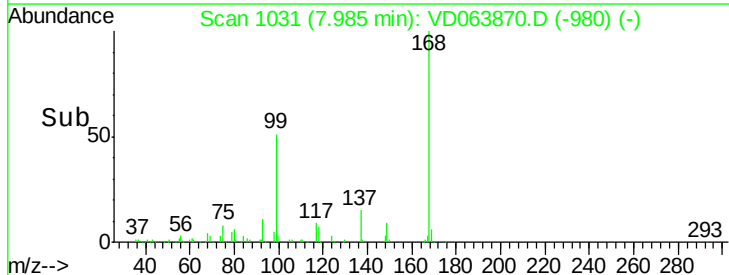
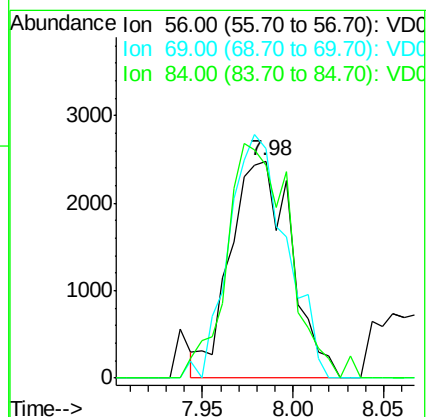
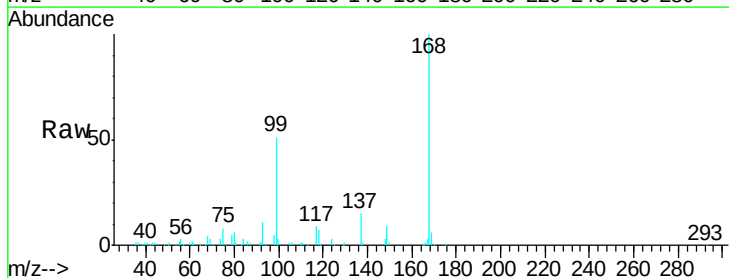
Tgt Ion: 56 Resp: 5838

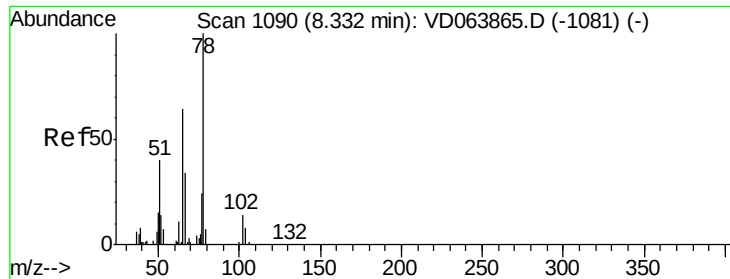
Ion Ratio Lower Upper

56 100

69 105.9 25.0 37.4#

84 97.8 76.3 114.5

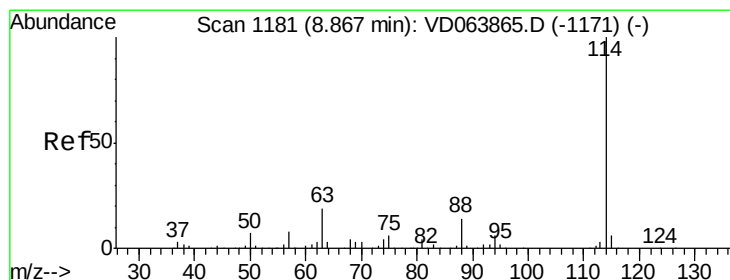
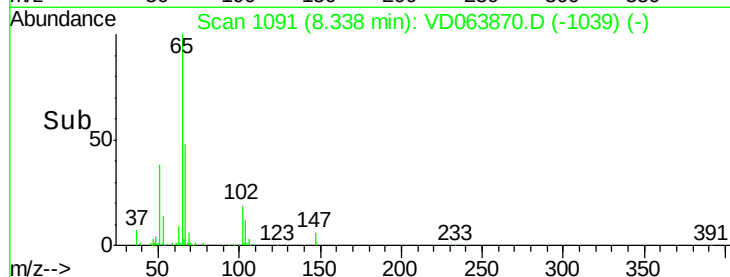
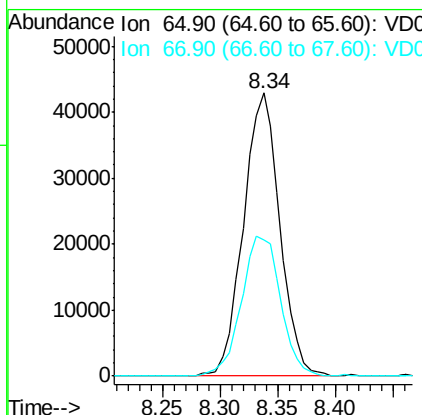
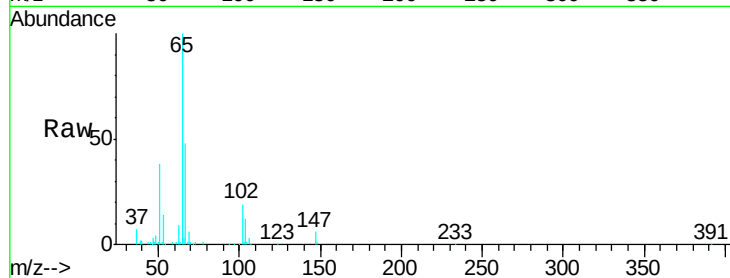




#33
 1,2-Dichloroethane-d4
 Concen: 53.693 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063870.D
 Acq: 02 Oct 2019 20:30

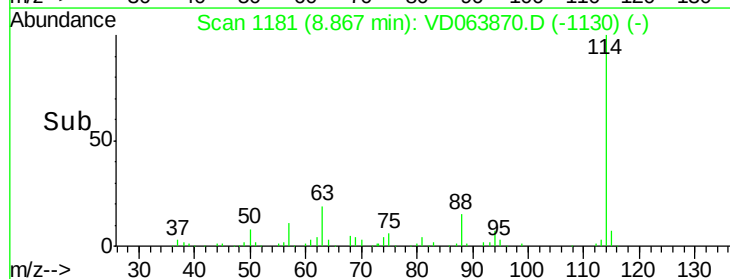
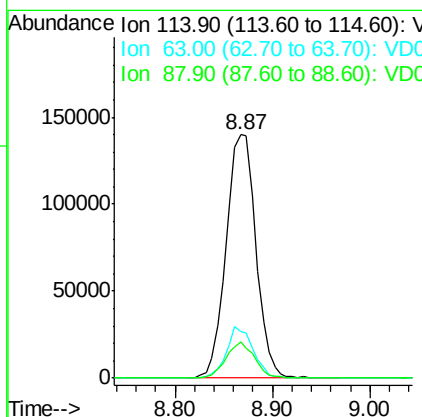
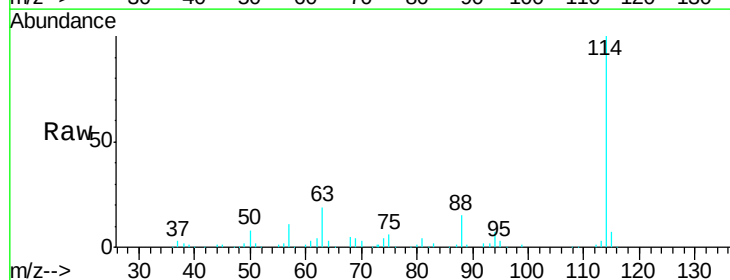
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBL04

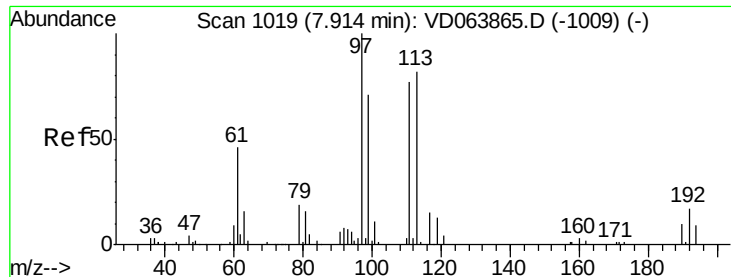
Tgt Ion: 65 Resp: 93939
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063870.D
 Acq: 02 Oct 2019 20:30

Tgt Ion: 114 Resp: 296325
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 15.0 0.0 27.4

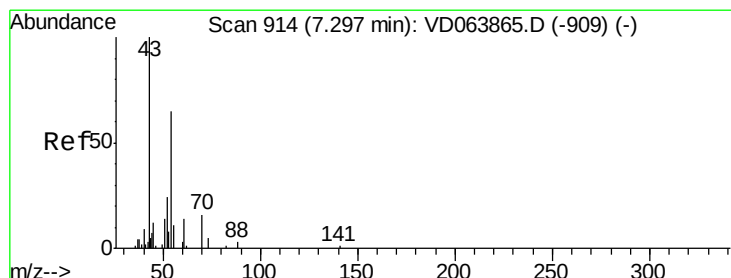
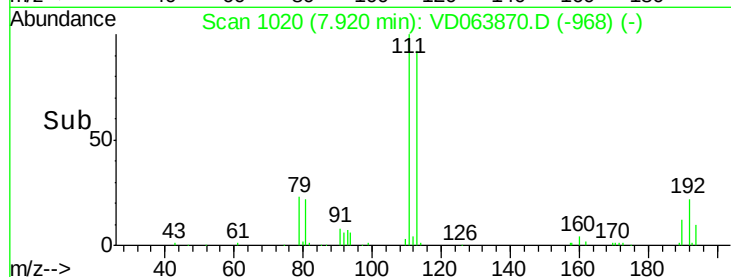
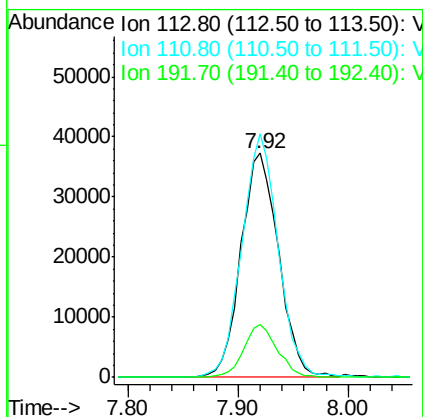
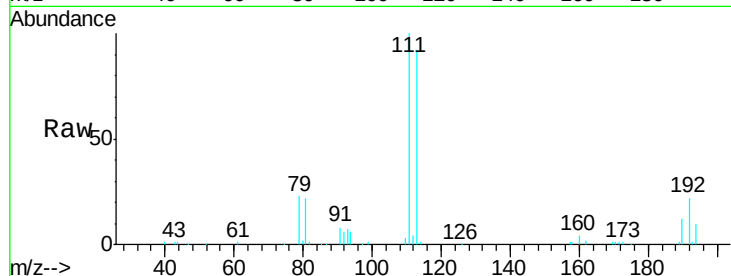




#35
 Dibromofluoromethane
 Concen: 49.387 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063870.D
 Acq: 02 Oct 2019 20:30

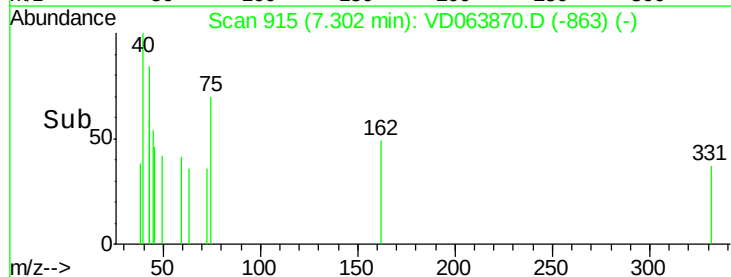
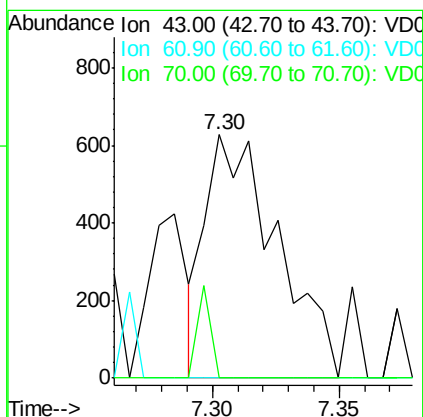
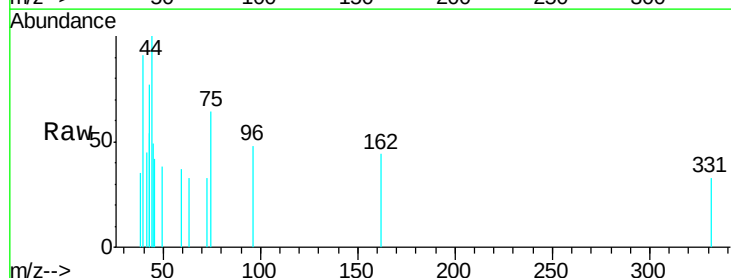
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBL04

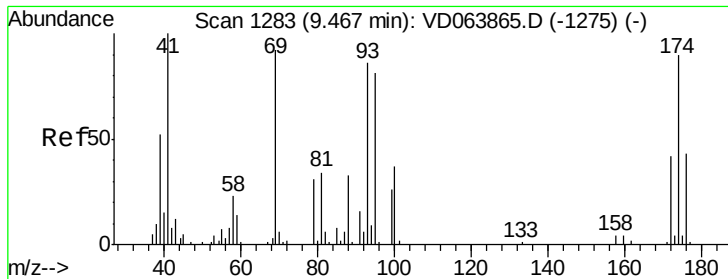
Tgt Ion: 113 Resp: 89436
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.6 123.8
 192 21.0 17.1 25.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD063870.D
 Acq: 02 Oct 2019 20:30

Tgt Ion: 43 Resp: 1226
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 6.9 8.2 12.4#





#49

1,4-Dioxane

Concen: 8.190 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL04

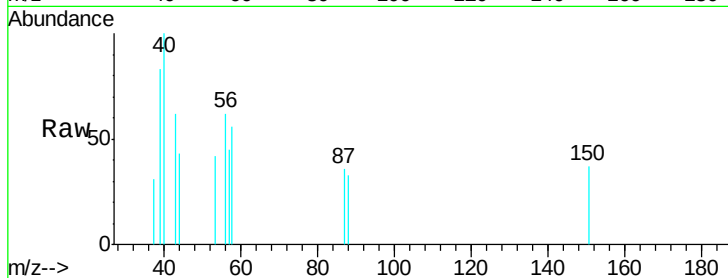
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 283.5 27.6 41.4#

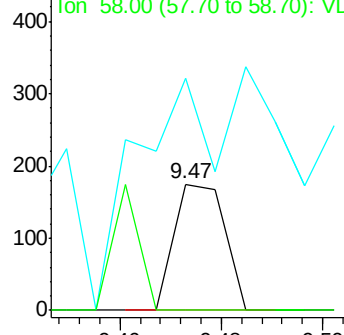
58 0.0 54.1 81.1#



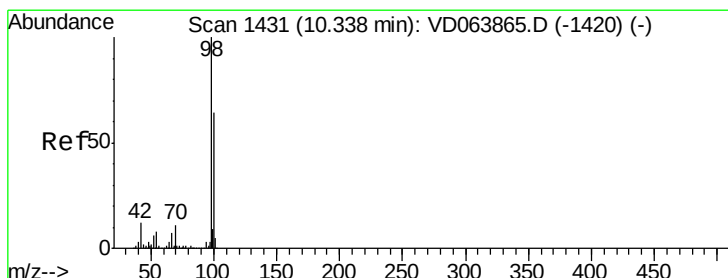
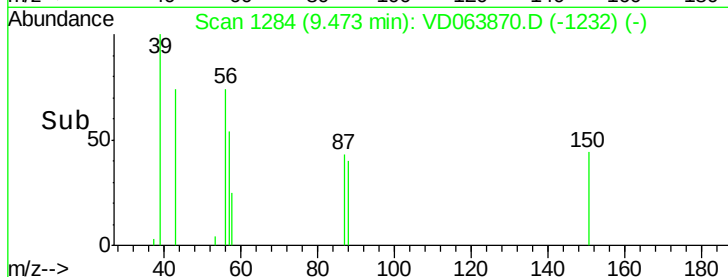
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 50.212 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063870.D

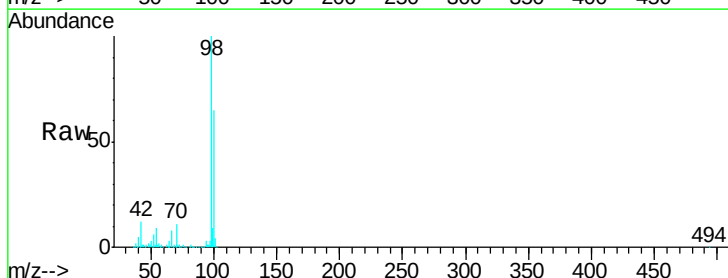
Acq: 02 Oct 2019 20:30

Tgt Ion: 98 Resp: 369072

Ion Ratio Lower Upper

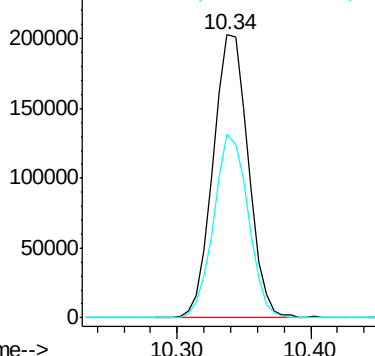
98 100

100 63.5 52.1 78.1

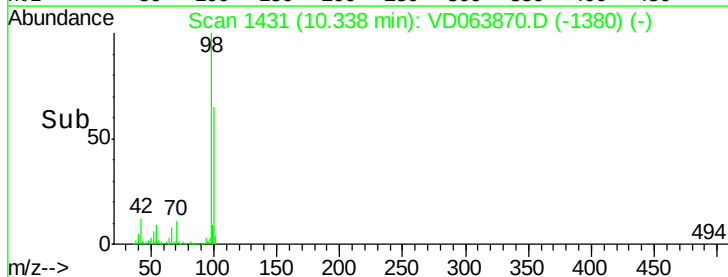


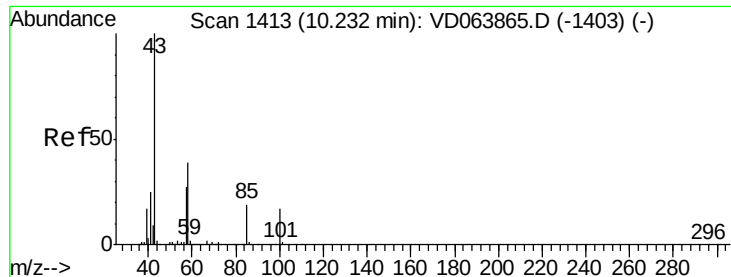
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->

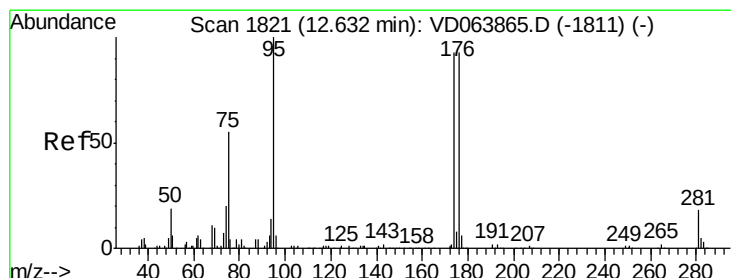
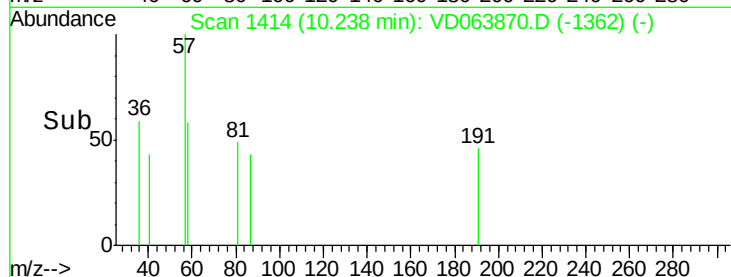
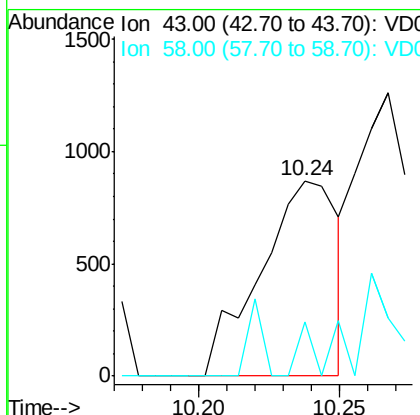
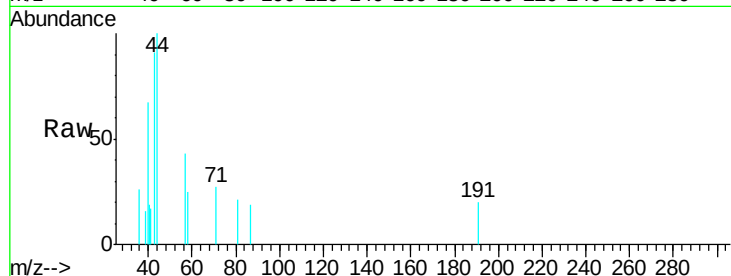




#51
4-Methyl-2-Pentanone
Concen: 1.405 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

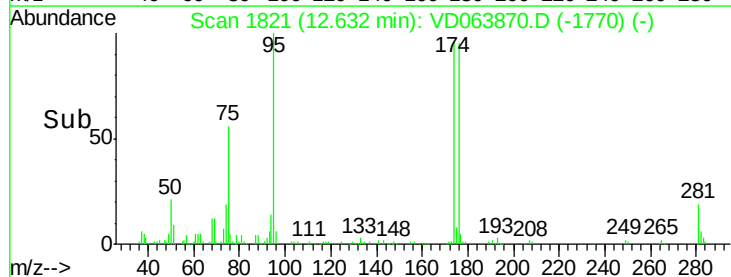
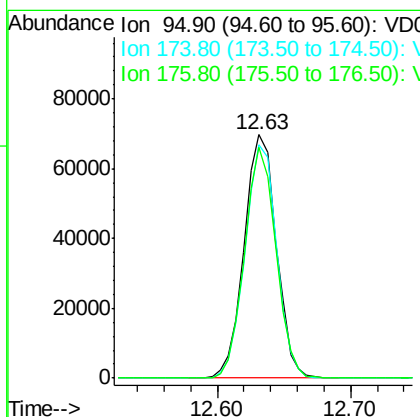
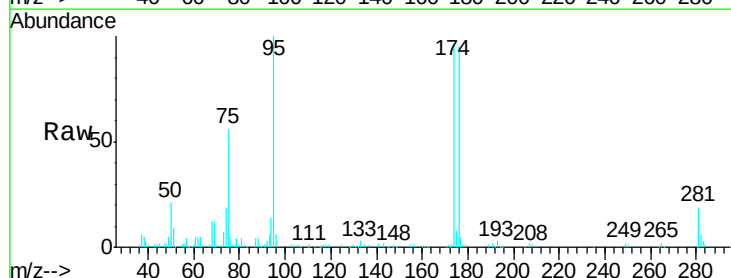
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL04

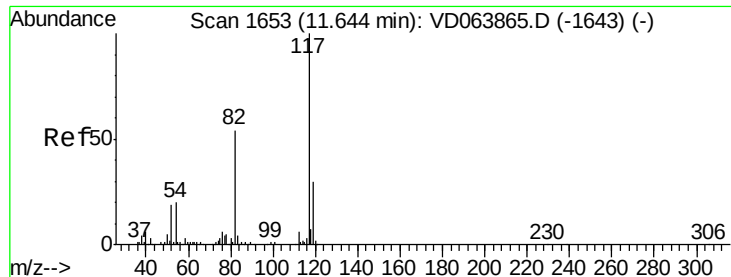
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 7.3 33.0 49.4#



#62
4-Bromofluorobenzene
Concen: 45.420 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063870.D
Acq: 02 Oct 2019 20:30

Tgt Ion: 95 Resp: 116013
Ion Ratio Lower Upper
95 100
174 94.1 0.0 186.4
176 91.9 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL04

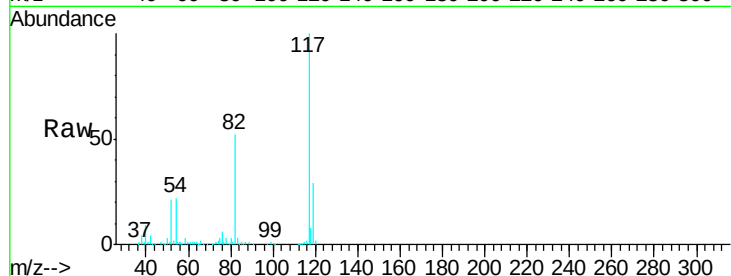
Tgt Ion:117 Resp: 289021

Ion Ratio Lower Upper

117 100

82 51.8 42.8 64.2

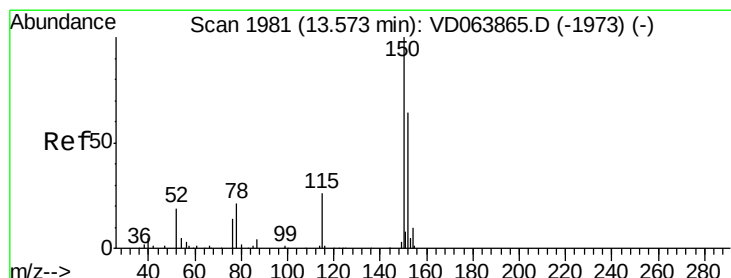
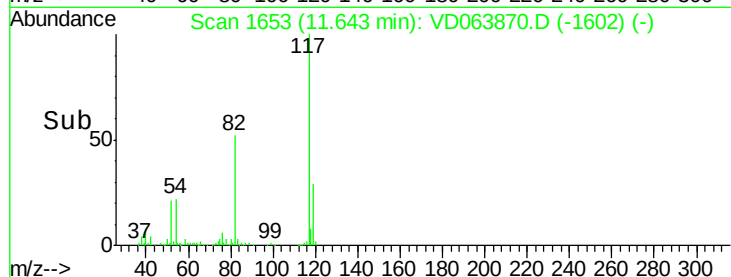
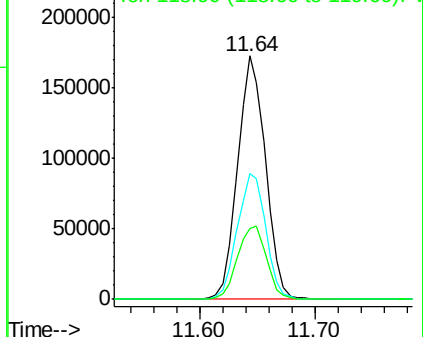
119 28.9 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

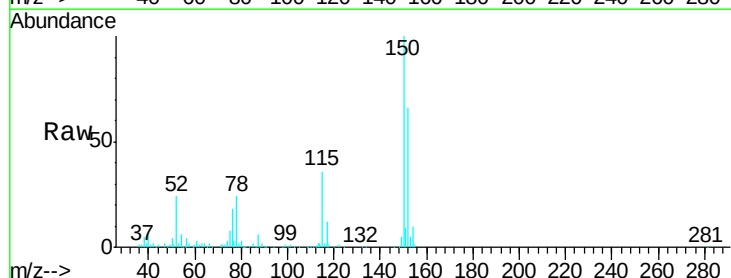
Tgt Ion:152 Resp: 139999

Ion Ratio Lower Upper

152 100

115 54.0 25.9 77.7

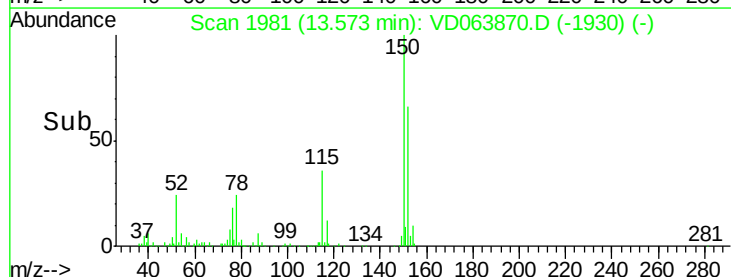
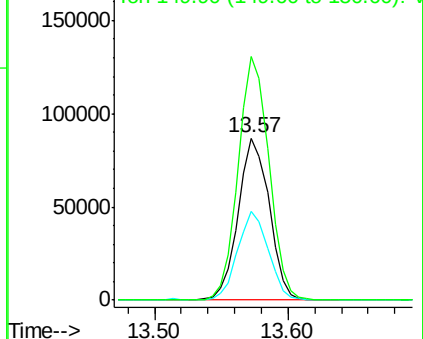
150 148.9 0.0 344.2

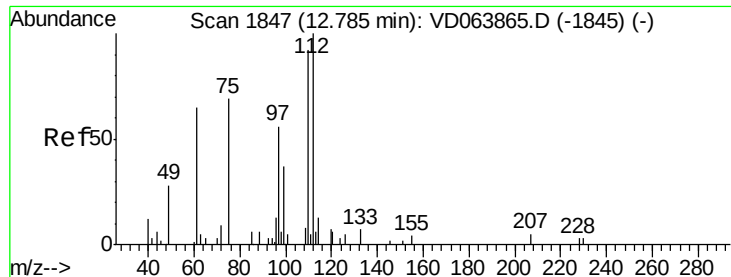


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 68.365 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

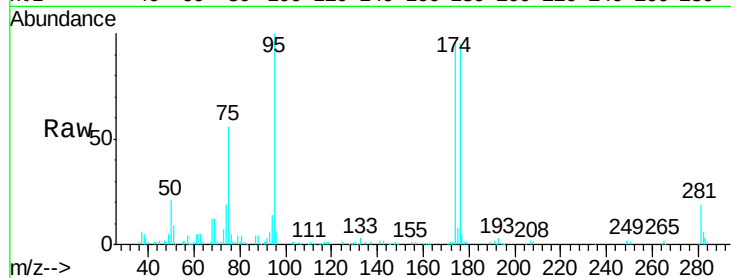
VD1002SBL04

Tgt Ion: 75 Resp: 64104

Ion Ratio Lower Upper

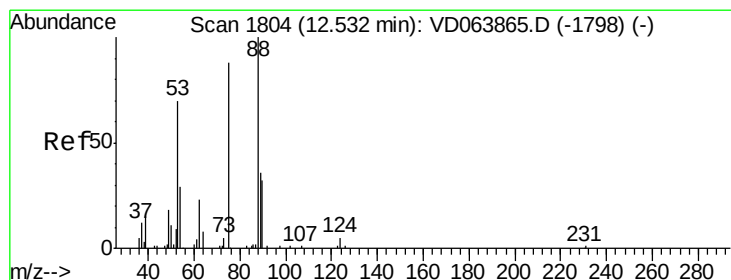
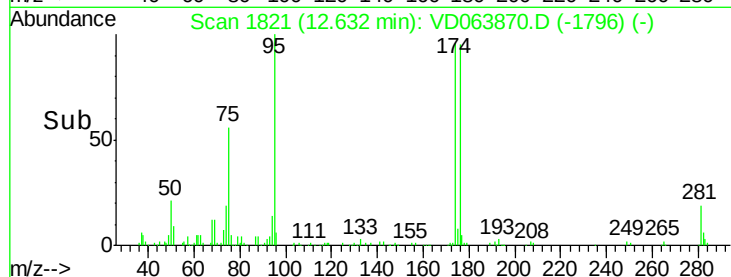
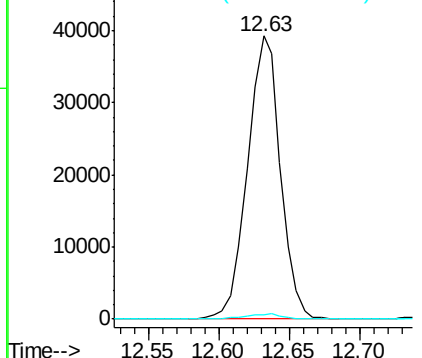
75 100

77 2.0 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: 120.978 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

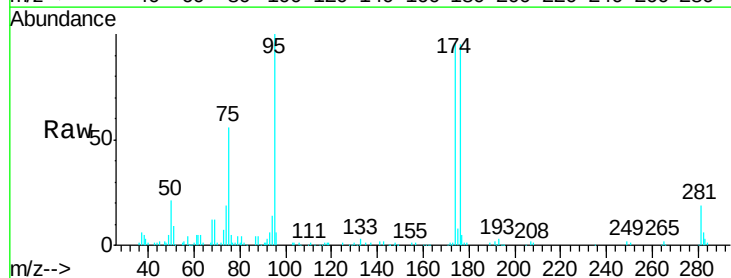
Tgt Ion: 75 Resp: 64104

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

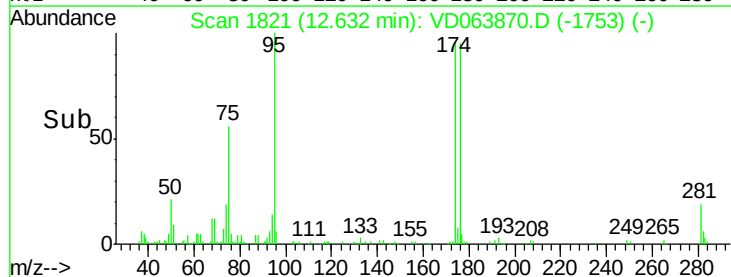
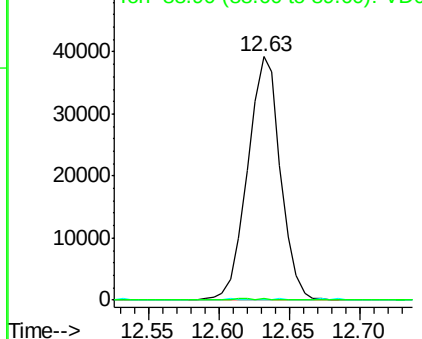
89 0.0 38.2 57.4#

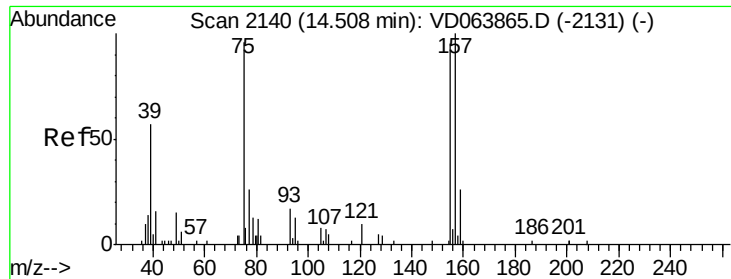


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.47 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VD063870.D

Acq: 02 Oct 2019 20:30

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL04

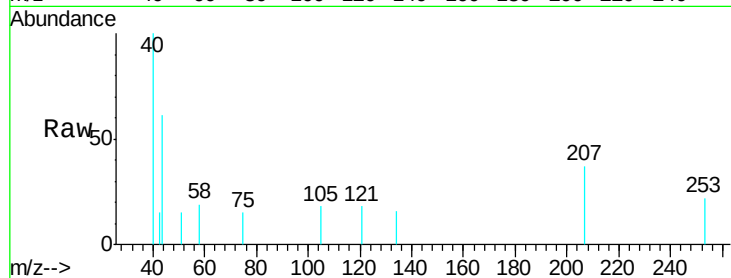
Tgt Ion: 75 Resp: 57

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

