

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
 Data File : VD063876.D
 Acq On : 03 Oct 2019 15:32
 Operator : VA/SY
 Sample : VD1003SBL05
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL05

Quant Time: Oct 04 01:36:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	200473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	152016	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	95140	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	7.92	113	94555	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.34	98	393010	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.63	95	121997	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

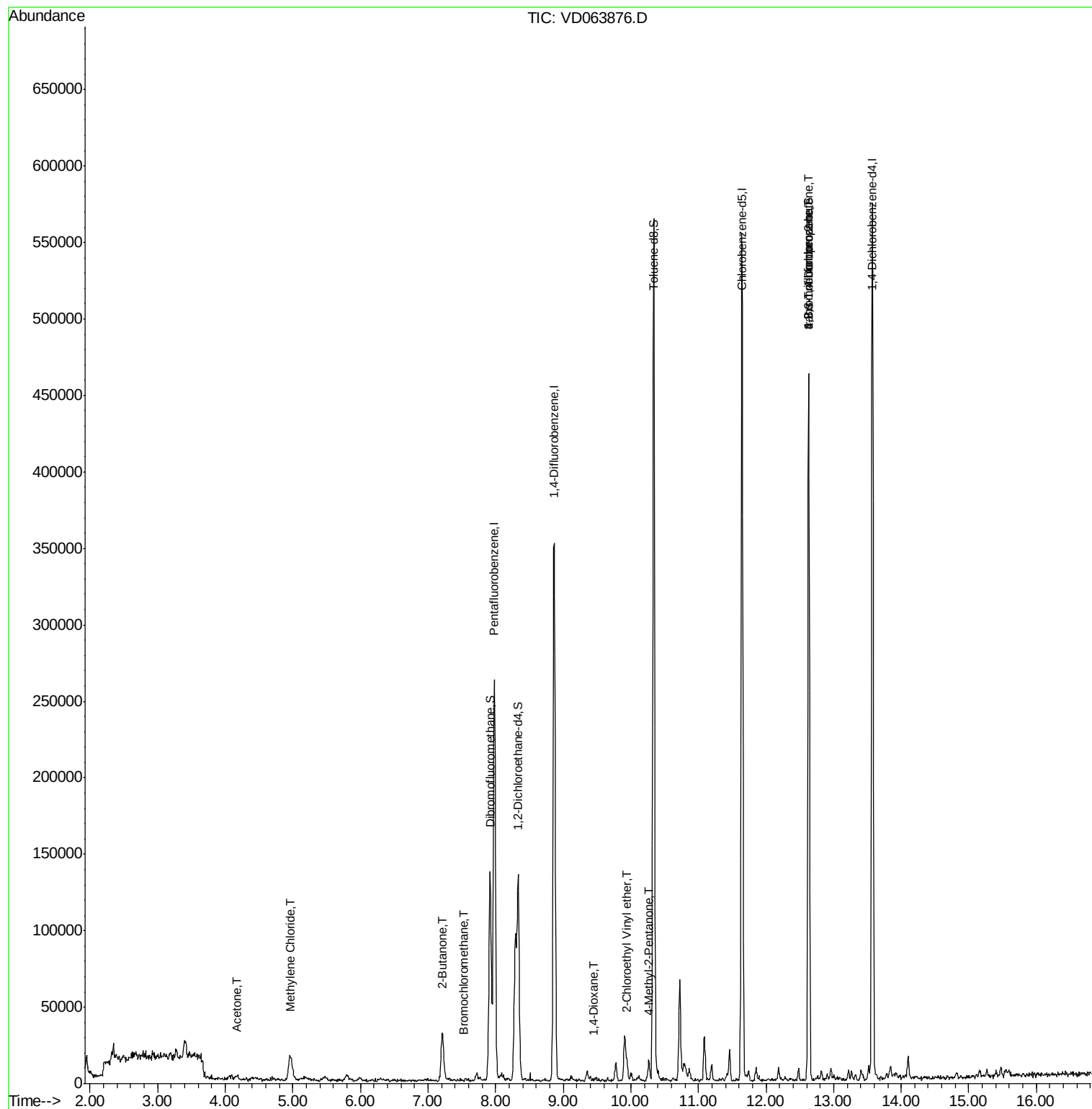
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1829	Below Cal	#	83
11) Tert butyl alcohol	5.26	59	402	Below Cal	#	71
16) Acetone	4.17	43	4204	8.273	ug/l #	88
20) Methylene Chloride	4.96	84	11886	2.407	ug/l	91
25) 2-Butanone	7.21	43	1602	2.660	ug/l #	51
28) Bromochloromethane	7.53	49	107	1.941	ug/l #	75
31) Cyclohexane	7.97	56	6124	Below Cal	#	65
37) Ethyl Acetate	7.29	43	825	Below Cal	#	68
49) 1,4-Dioxane	9.45	88	55	3.465	ug/l #	1
51) 4-Methyl-2-Pentanone	10.27	43	1631	1.288	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	5312	5.944	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	70657	69.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	70657	122.804	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	131	Below Cal	#	39

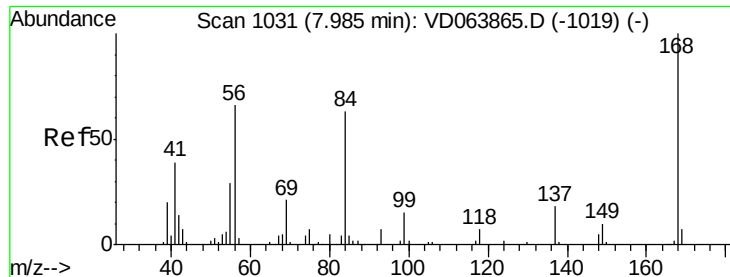
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:49:16 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: VD063876.D

Acq: 03 Oct 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

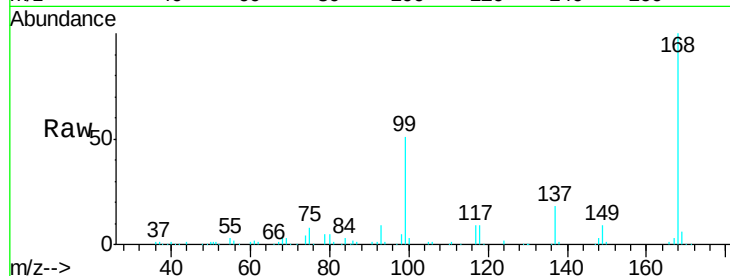
VD1003SBL05

Tgt Ion:168 Resp: 200473

Ion Ratio Lower Upper

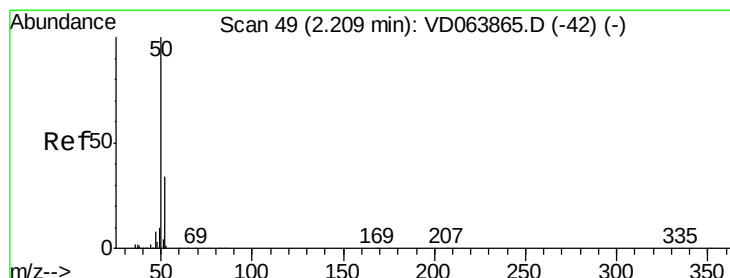
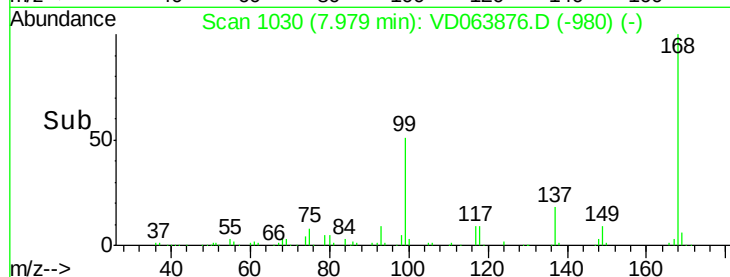
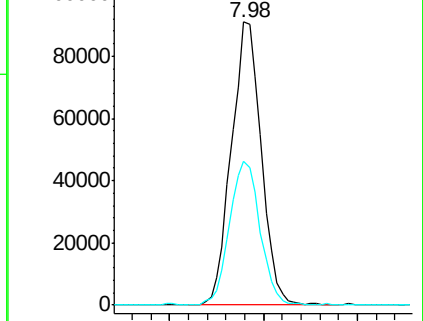
168 100

99 50.8 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: VD063876.D

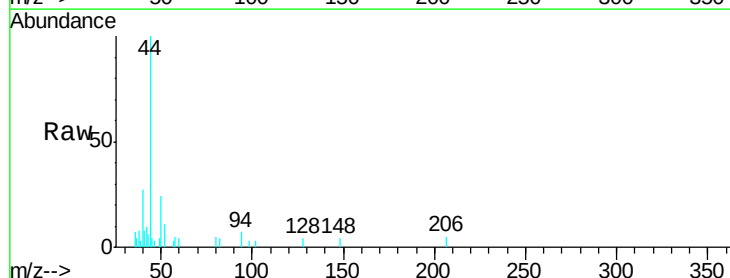
Acq: 03 Oct 2019 15:32

Tgt Ion: 50 Resp: 1829

Ion Ratio Lower Upper

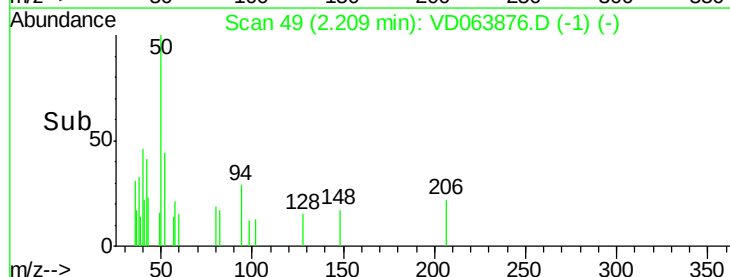
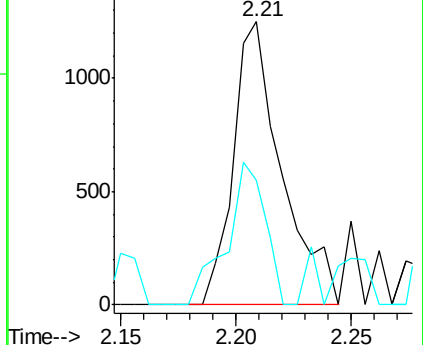
50 100

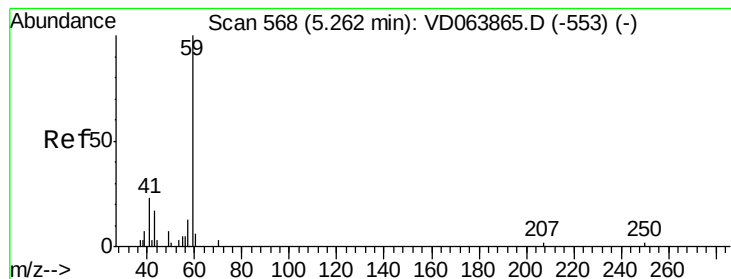
52 44.2 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



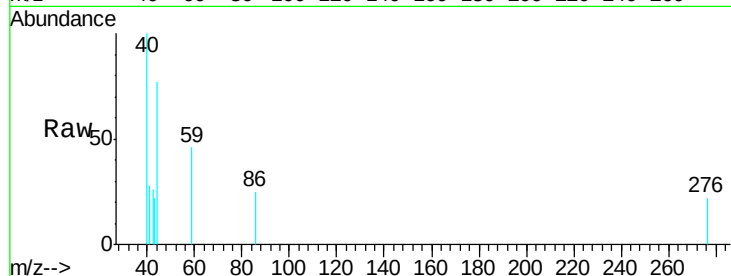


#11

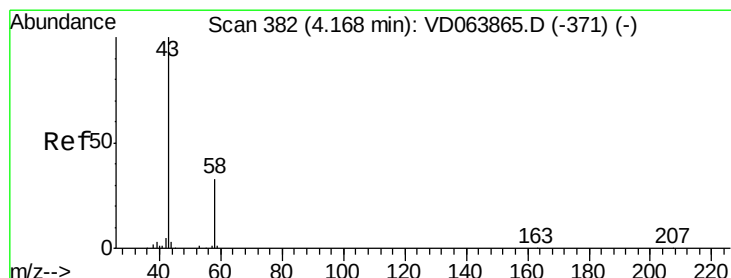
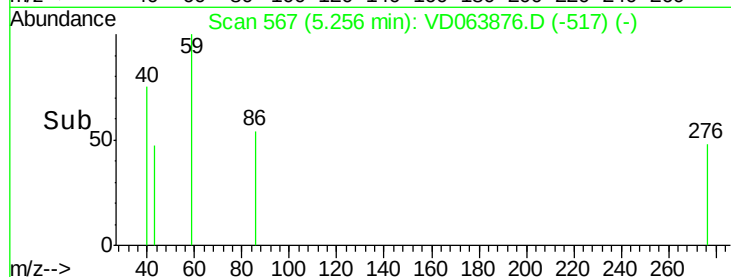
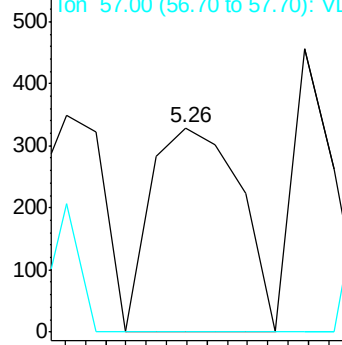
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL05

Tgt Ion: 59 Resp: 402
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



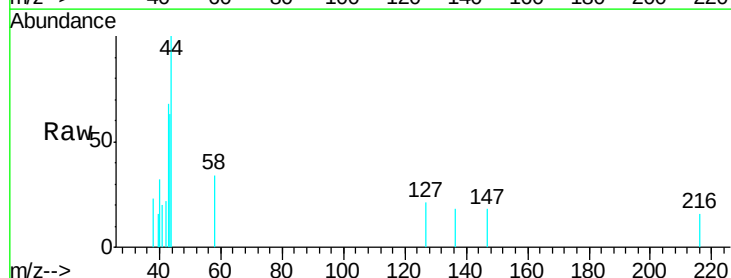
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



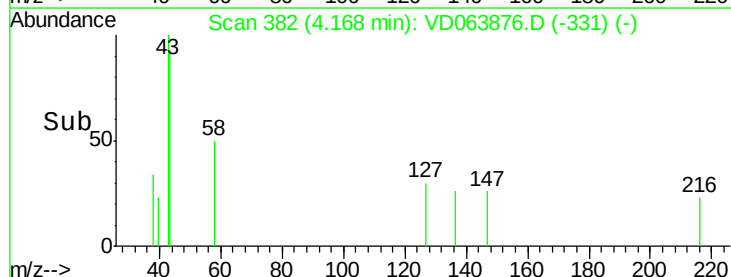
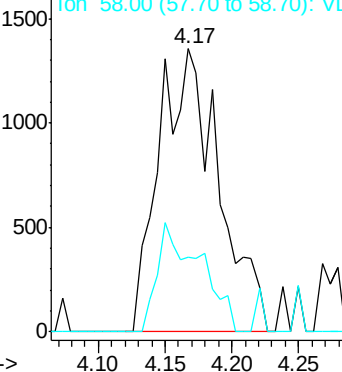
#16

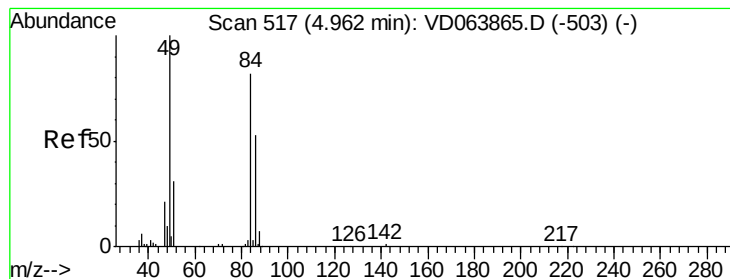
Acetone
 Concen: 8.273 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Tgt Ion: 43 Resp: 4204
 Ion Ratio Lower Upper
 43 100
 58 26.2 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: 2.407 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL05

Tgt Ion: 84 Resp: 11886

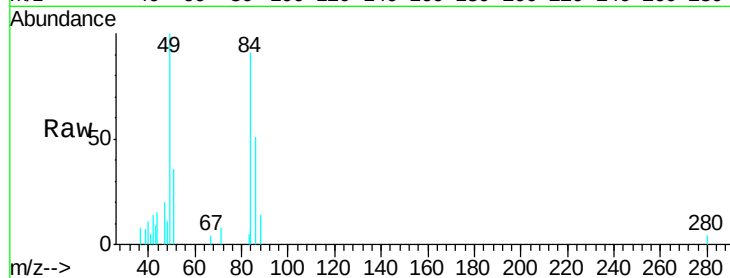
Ion Ratio Lower Upper

84 100

49 110.2 97.3 145.9

51 40.2 30.1 45.1

86 56.7 51.4 77.2

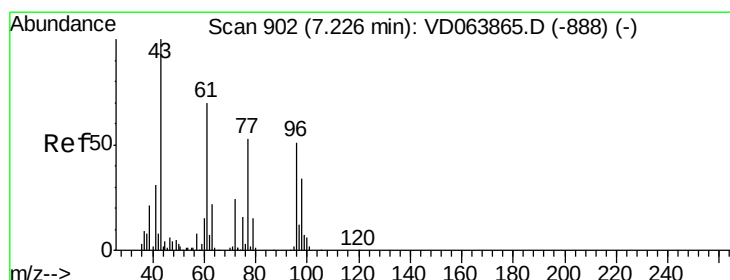
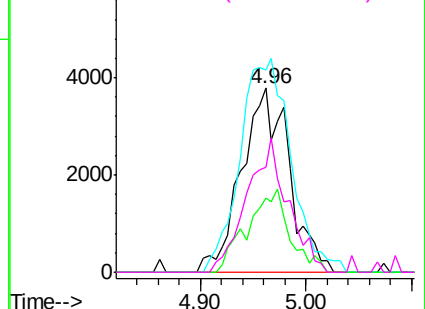
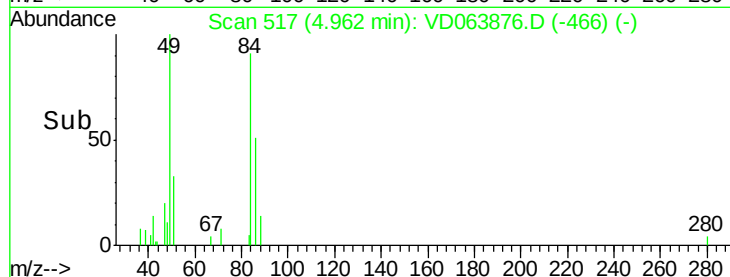


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.660 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD063876.D

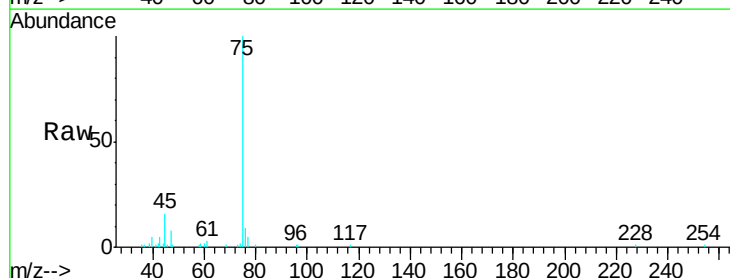
Acq: 03 Oct 2019 15:32

Tgt Ion: 43 Resp: 1602

Ion Ratio Lower Upper

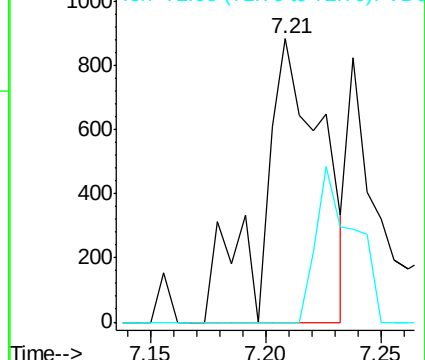
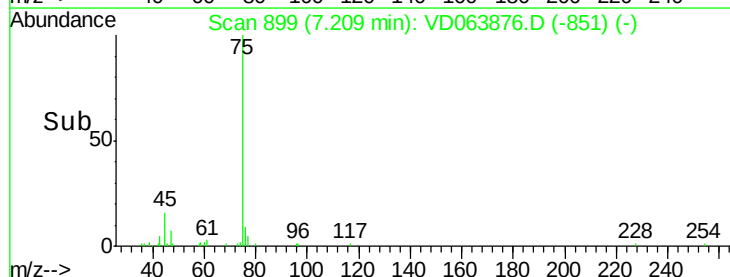
43 100

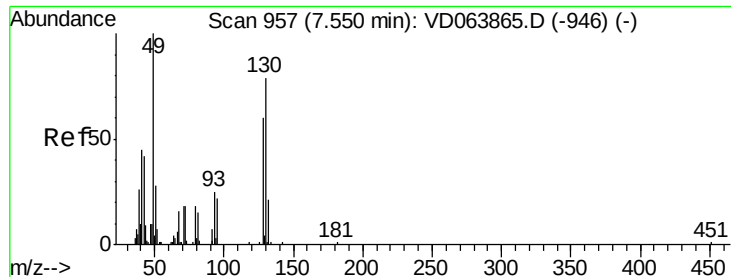
72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#28

Bromochloromethane

Concen: 1.941 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.02 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL05

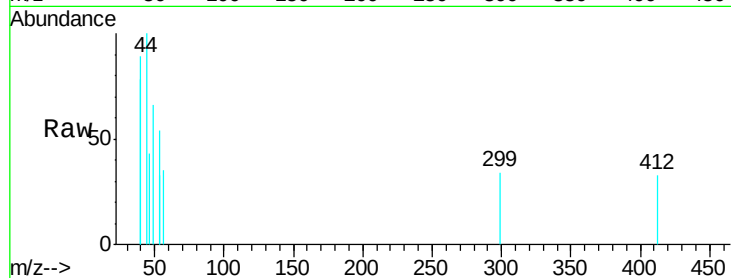
Tgt Ion: 49 Resp: 107

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

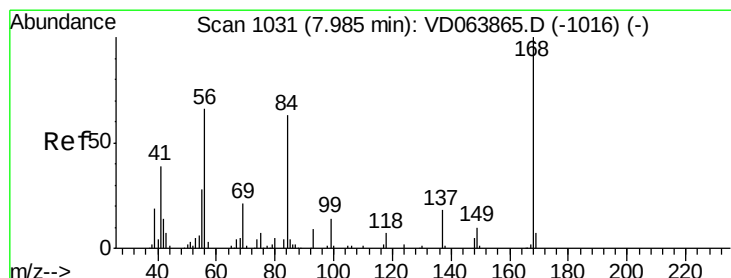
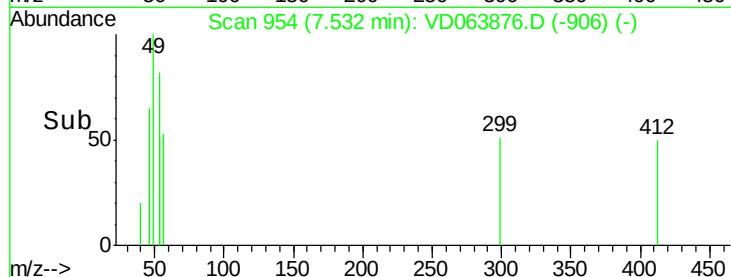
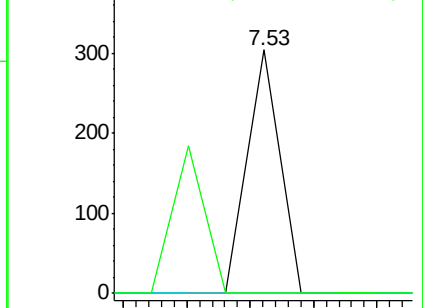
130 60.7 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

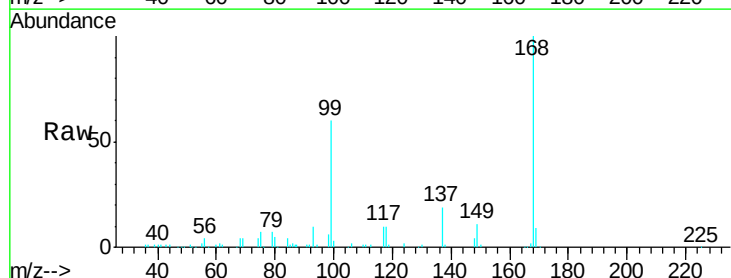
Tgt Ion: 56 Resp: 6124

Ion Ratio Lower Upper

56 100

69 105.7 25.0 37.4#

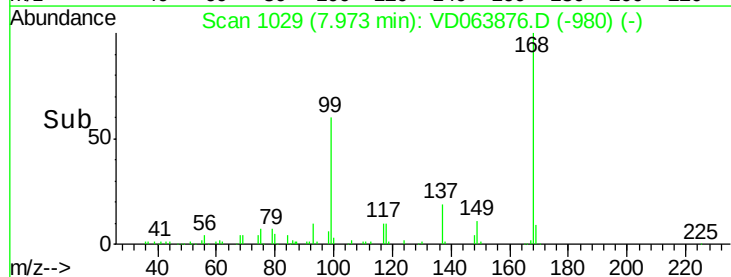
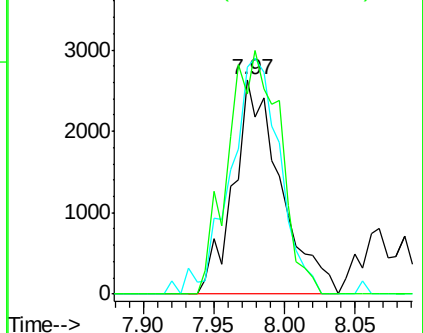
84 93.1 76.3 114.5

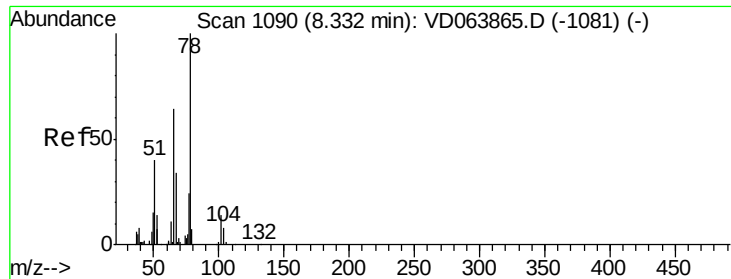


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

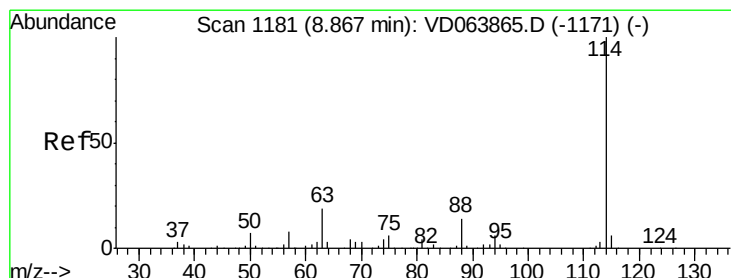
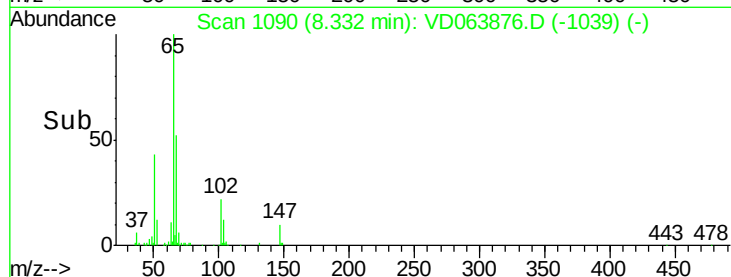
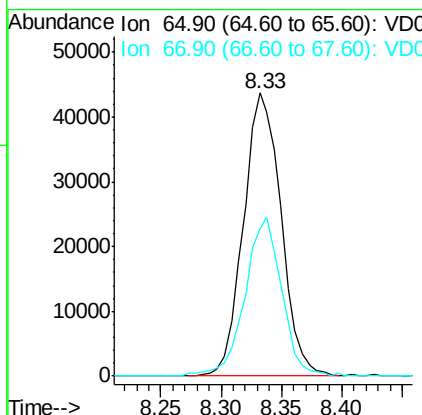
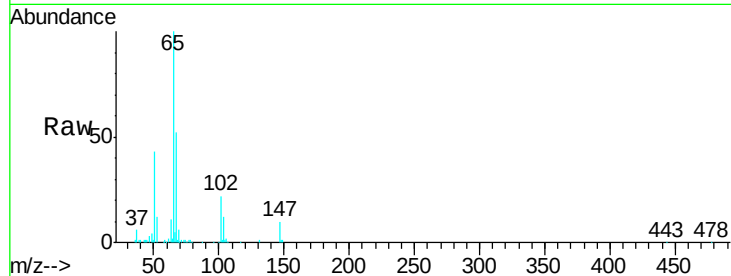




#33
 1,2-Dichloroethane-d4
 Concen: 48.746 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

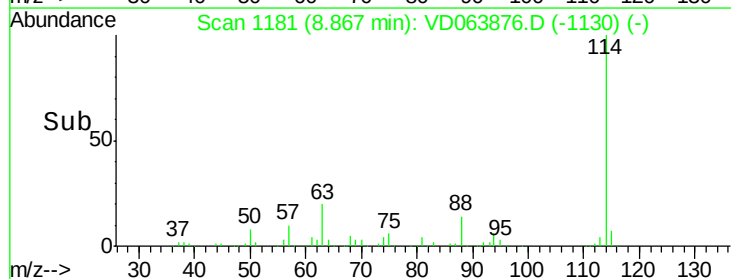
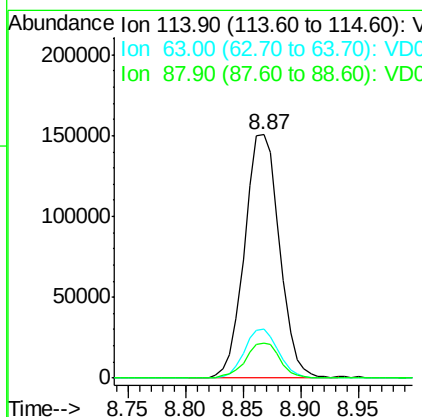
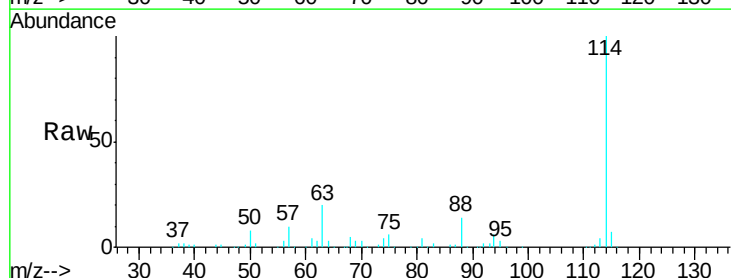
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL05

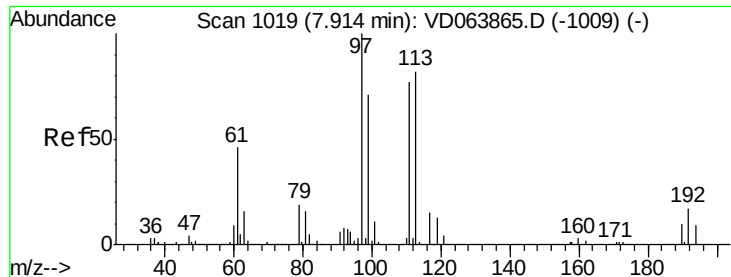
Tgt Ion: 65 Resp: 95140
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Tgt Ion: 114 Resp: 318377
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.4
 88 14.5 0.0 27.4

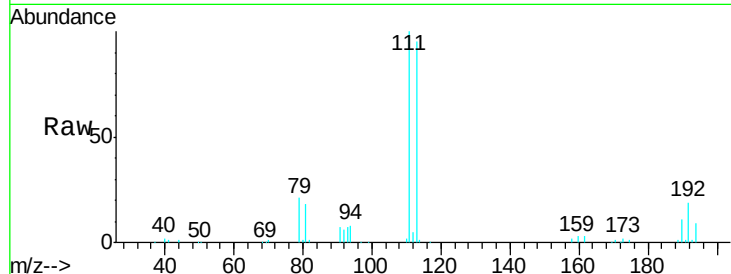




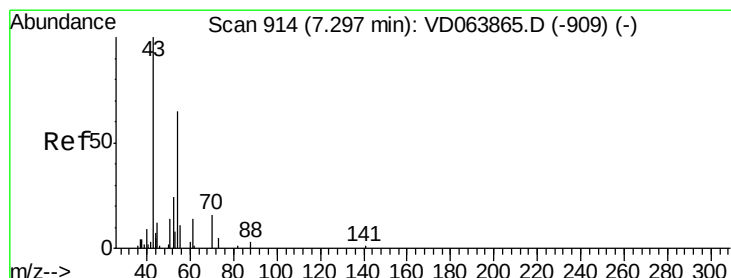
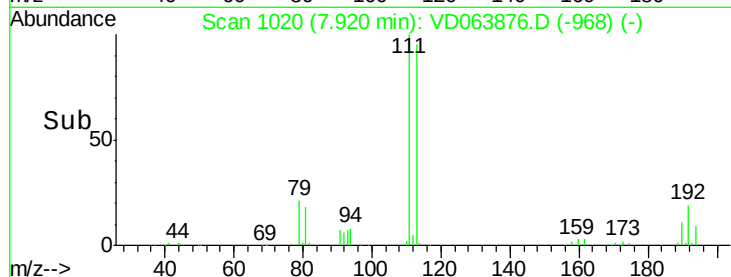
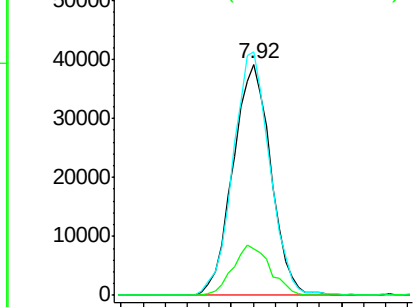
#35
 Dibromofluoromethane
 Concen: 48.597 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL05

Tgt Ion:113 Resp: 94555
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 21.4 17.1 25.7

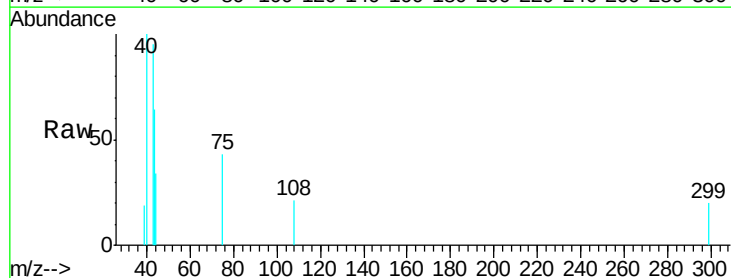


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

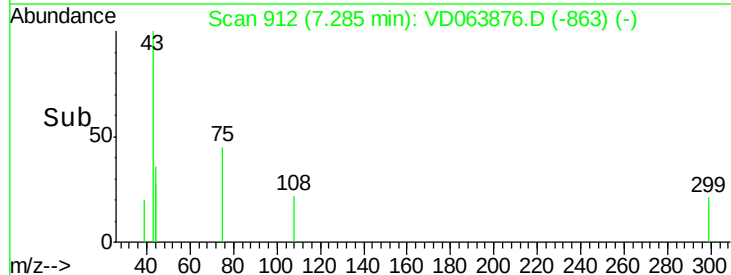
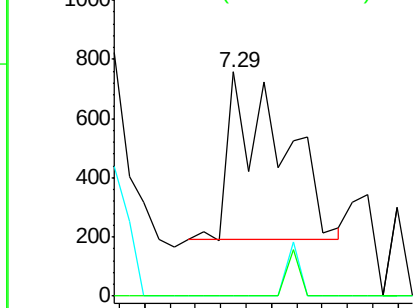


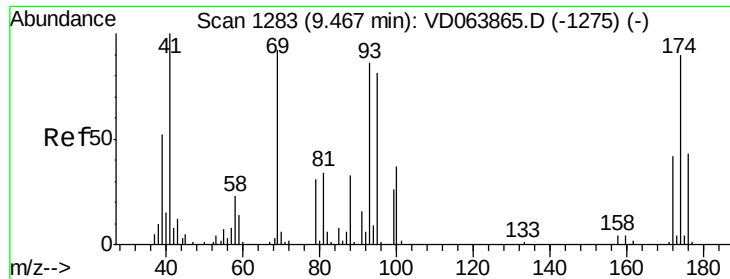
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.29 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Tgt Ion: 43 Resp: 825
 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

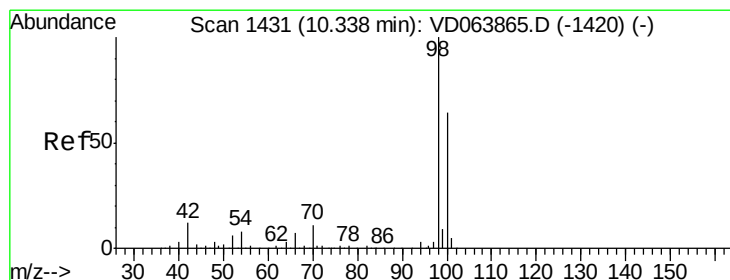
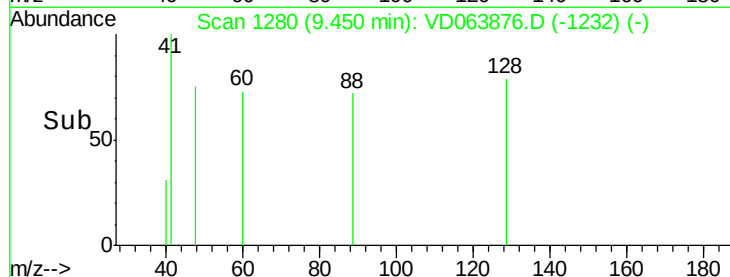
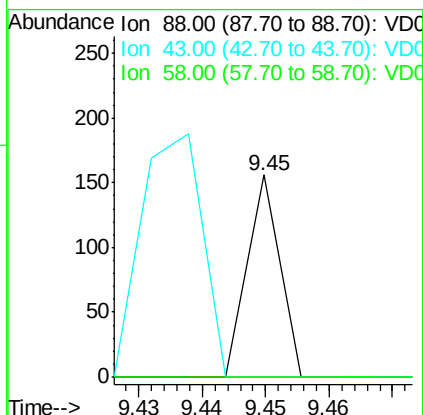
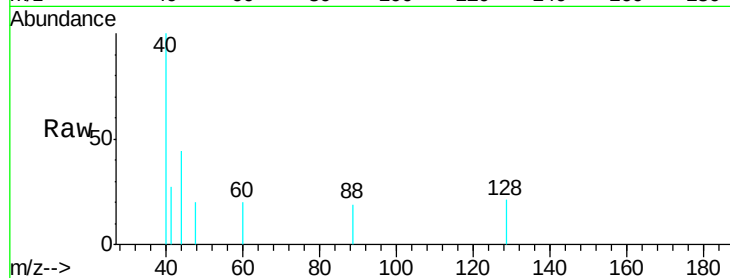




#49
1,4-Dioxane
Concen: 3.465 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VD063876.D
Acq: 03 Oct 2019 15:32

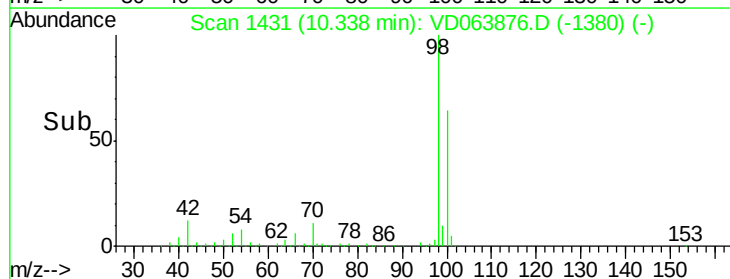
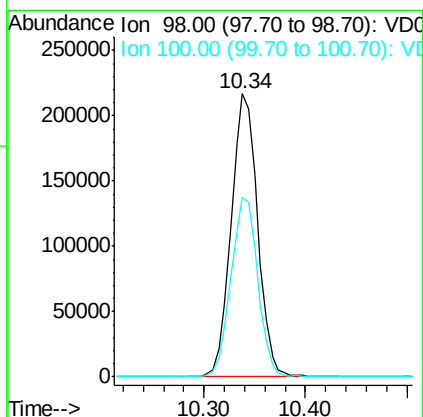
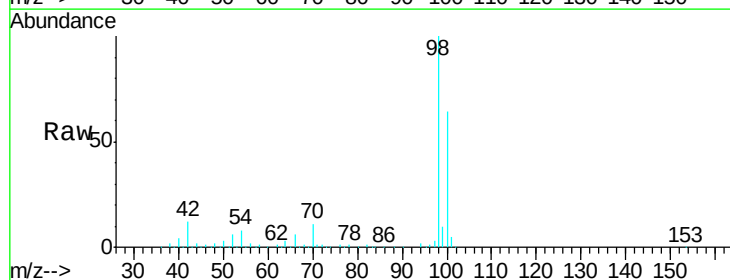
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL05

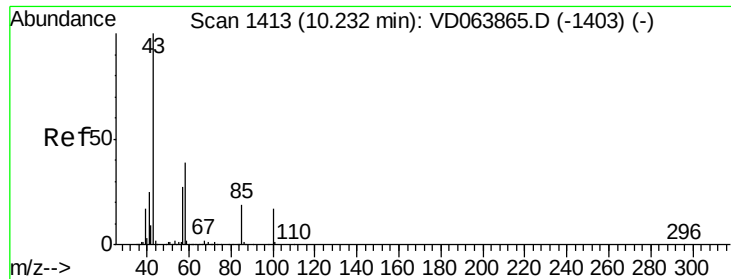
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 229.1 27.6 41.4#
58 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 49.765 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063876.D
Acq: 03 Oct 2019 15:32

Tgt Ion: 98 Resp: 393010
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

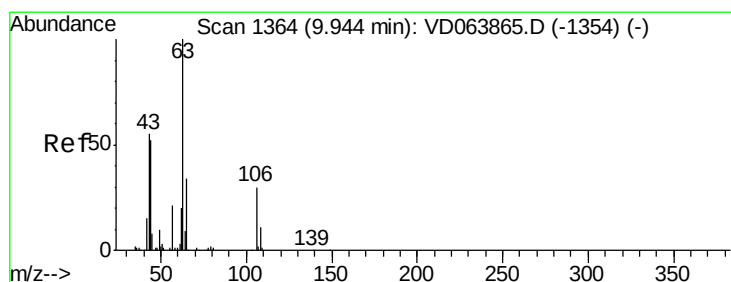
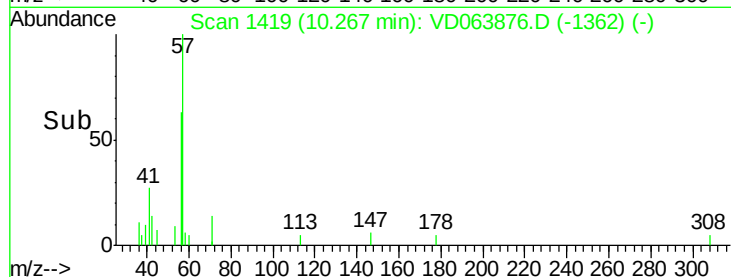
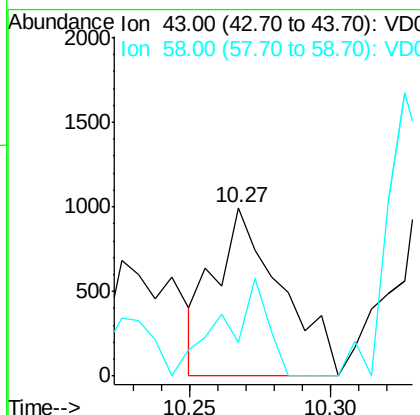
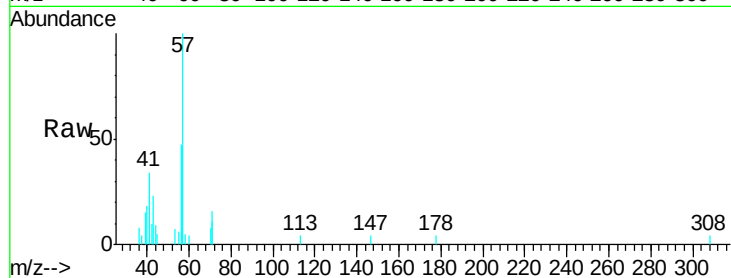




#51
 4-Methyl-2-Pentanone
 Concen: 1.288 ug/l
 RT: 10.27 min Scan# 1419
 Delta R.T. 0.04 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

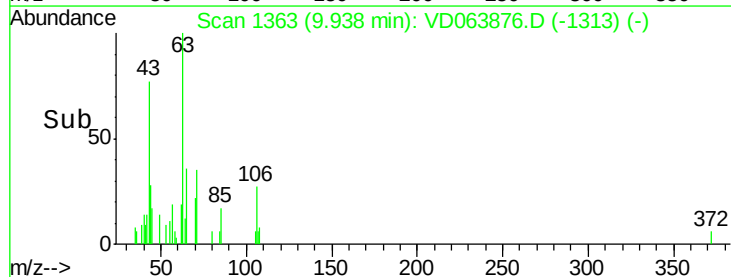
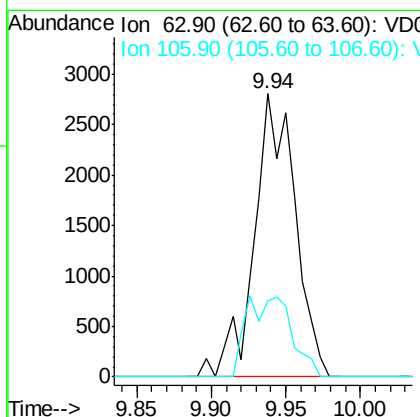
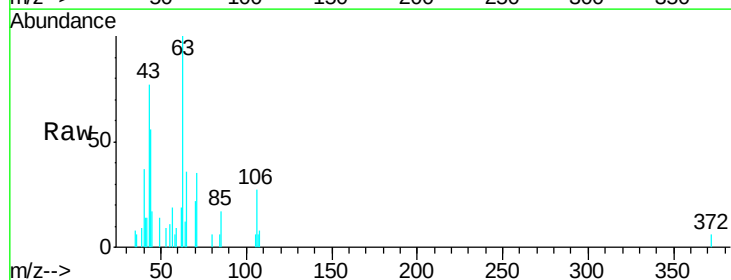
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBL05

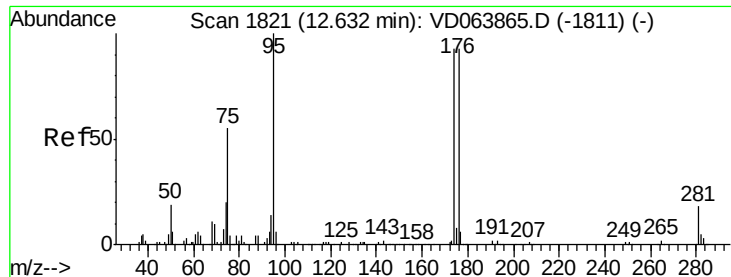
Tgt Ion: 43 Resp: 1631
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.0 49.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.944 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD063876.D
 Acq: 03 Oct 2019 15:32

Tgt Ion: 63 Resp: 5312
 Ion Ratio Lower Upper
 63 100
 106 31.5 24.3 36.5

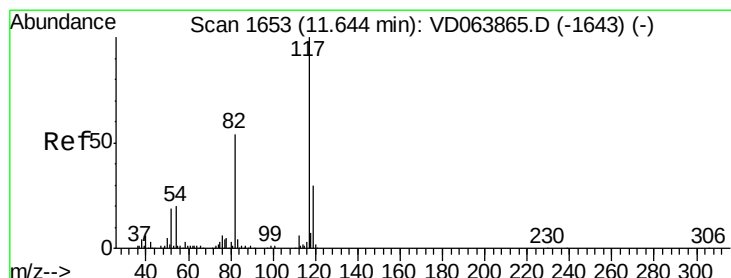
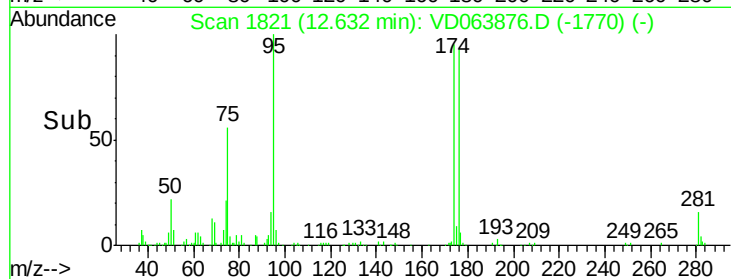
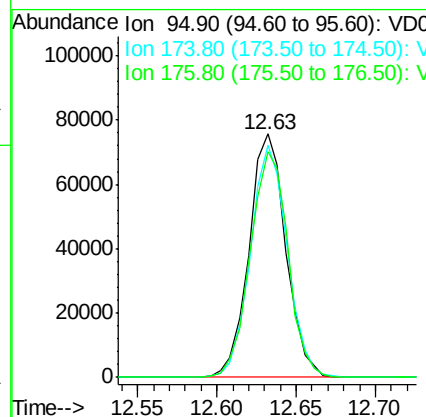
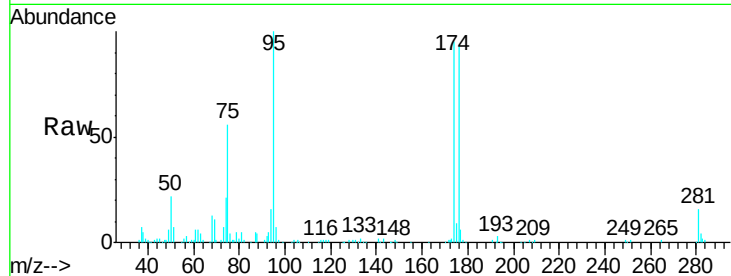




#62
4-Bromofluorobenzene
Concen: 44.455 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063876.D
Acq: 03 Oct 2019 15:32

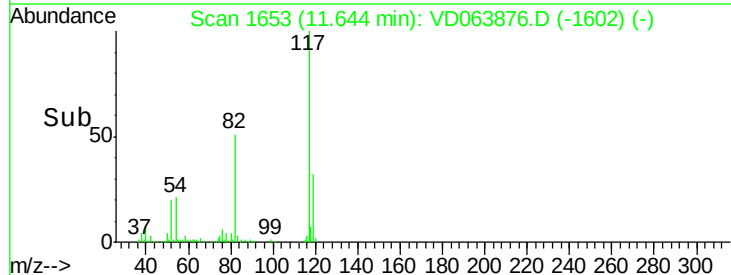
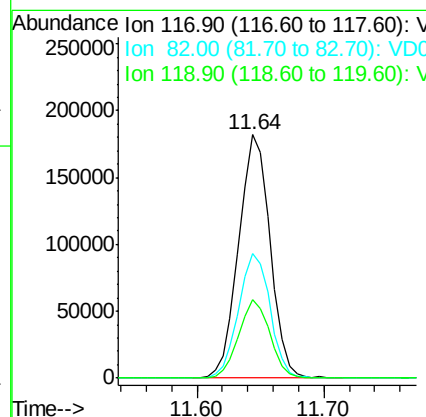
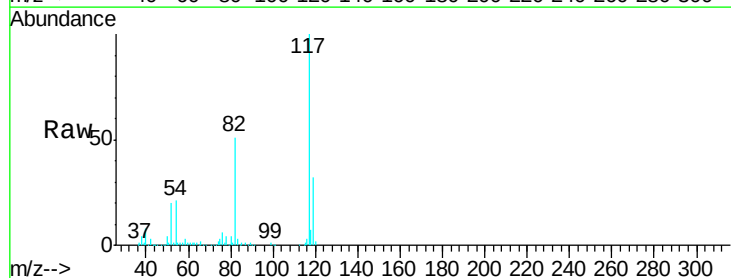
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBL05

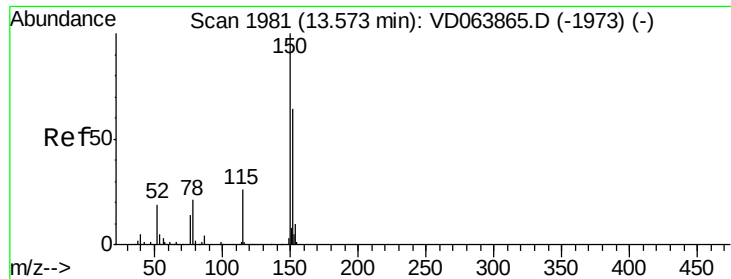
Tgt Ion: 95 Resp: 121997
Ion Ratio Lower Upper
95 100
174 95.6 0.0 186.4
176 95.1 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063876.D
Acq: 03 Oct 2019 15:32

Tgt Ion: 117 Resp: 312881
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 32.1 24.4 36.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL05

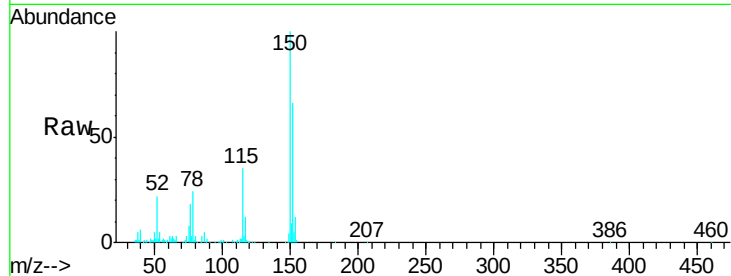
Tgt Ion:152 Resp: 152016

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

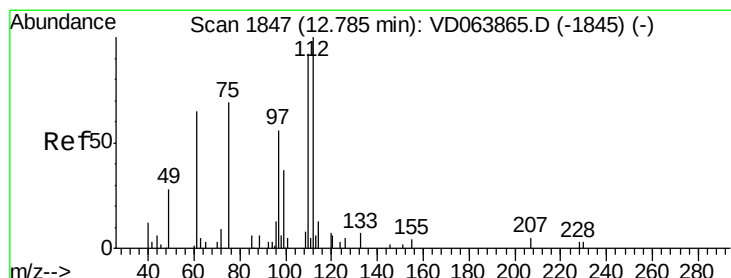
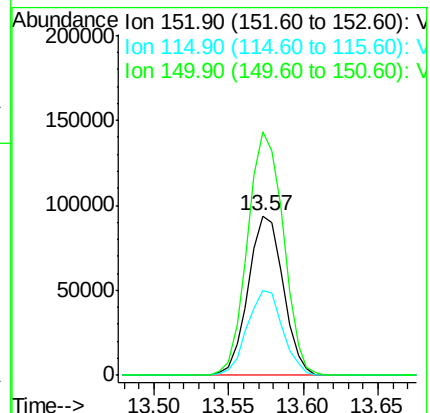
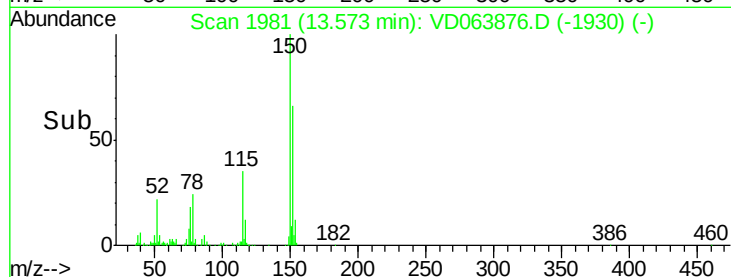
150 156.1 0.0 344.2



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: 69.397 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063876.D

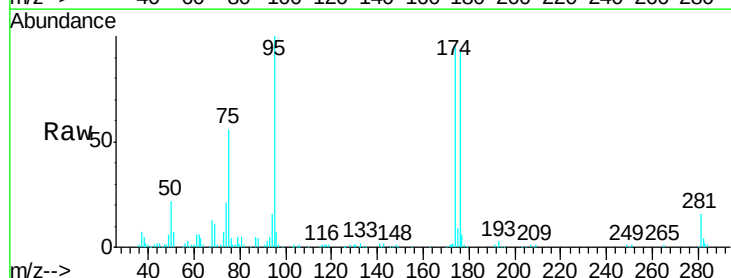
Acq: 03 Oct 2019 15:32

Tgt Ion: 75 Resp: 70657

Ion Ratio Lower Upper

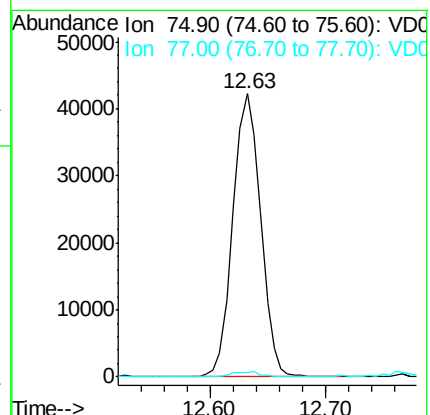
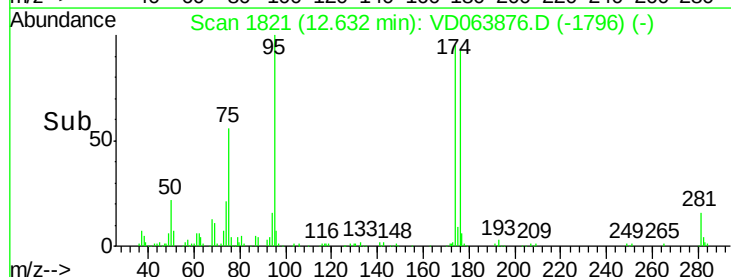
75 100

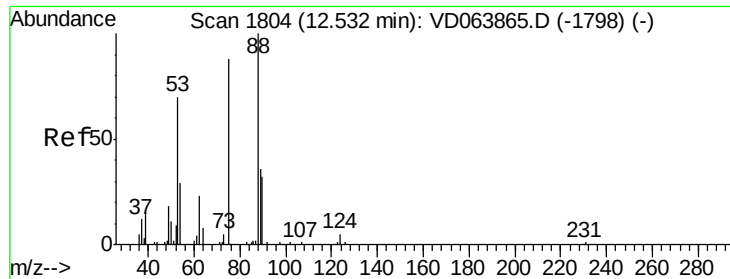
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 122.804 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBL05

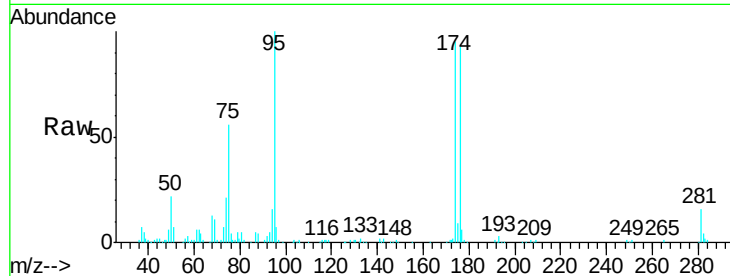
Tgt Ion: 75 Resp: 70657

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

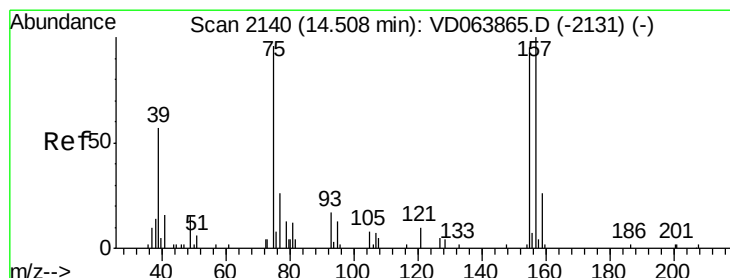
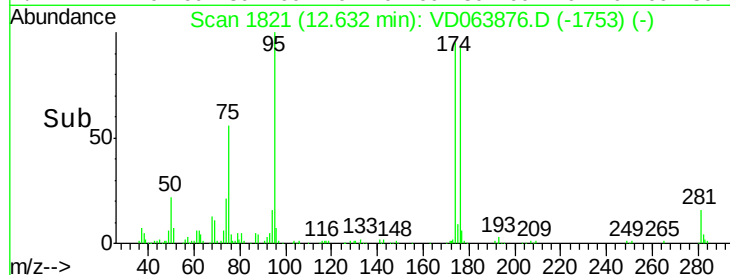
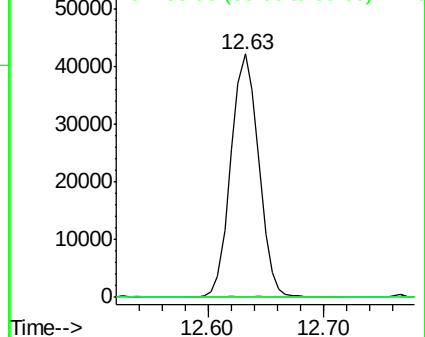
89 0.3 38.2 57.4#



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: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063876.D

Acq: 03 Oct 2019 15:32

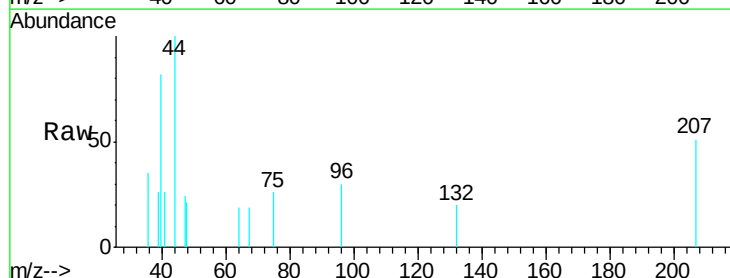
Tgt Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 75.6 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

