

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063976.D
 Acq On : 15 Oct 2019 17:13
 Operator : VA/SY
 Sample : K5392-06RE
 Misc : 5.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22A-D2RE

Quant Time: Oct 16 02:16:40 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	146457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	279229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134072	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	87879	61.63	ug/l	0.00
Spiked Amount			Recovery	=	123.26%	
35) Dibromofluoromethane	7.92	113	88007	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.34	98	372837	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
62) 4-Bromofluorobenzene	12.63	95	112260	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

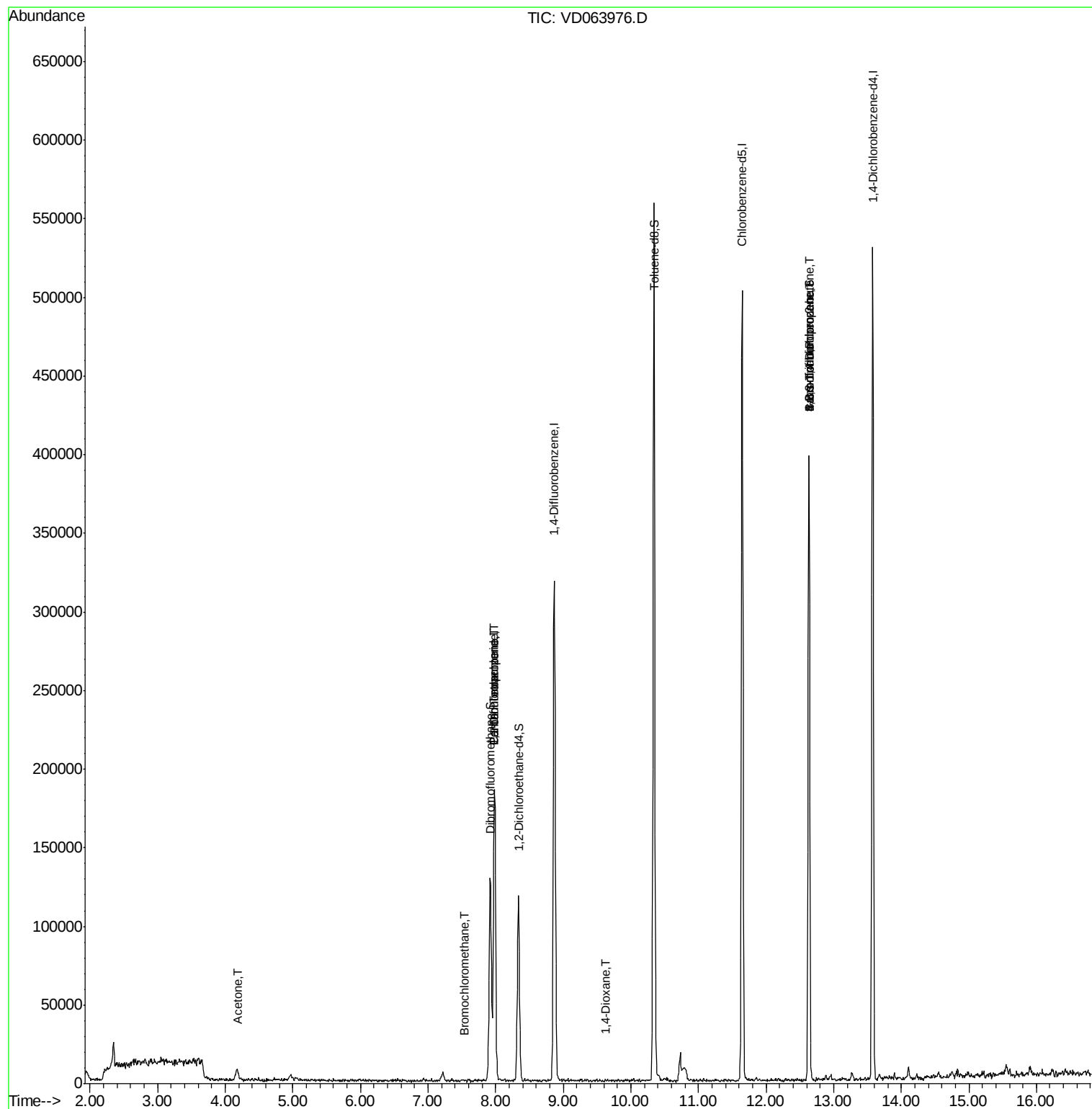
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	619	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	76	Below Cal	#	71
16) Acetone	4.18	43	13410	36.123	ug/l	97
20) Methylene Chloride	4.97	84	2939	Below Cal	#	75
28) Bromochloromethane	7.54	49	69	1.932	ug/l #	10
31) Cyclohexane	7.97	56	3609	Below Cal	#	25
36) 1,1-Dichloropropene	7.98	75	11481	4.520	ug/l #	51
37) Ethyl Acetate	7.33	43	79	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14557	5.672	ug/l #	18
49) 1,4-Dioxane	9.61	88	85	6.137	ug/l #	1
71) Bromoform	12.63	173	1571	1.417	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63404	70.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63404	124.947	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	58	Below Cal	#	1

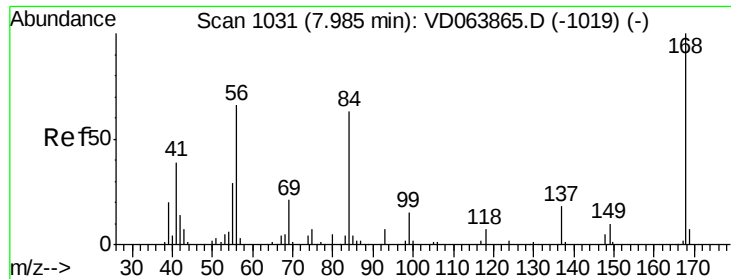
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063976.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

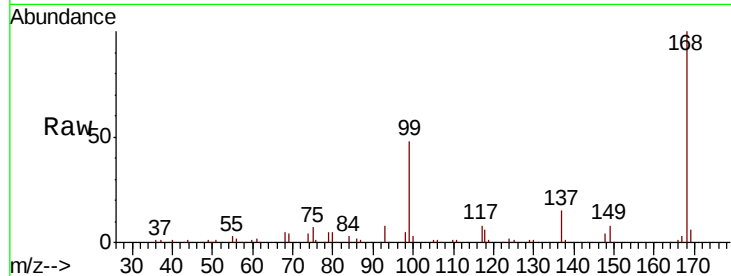
TP-22A-D2RE

Tot Ion:168 Resp: 146457

Ion Ratio Lower Upper

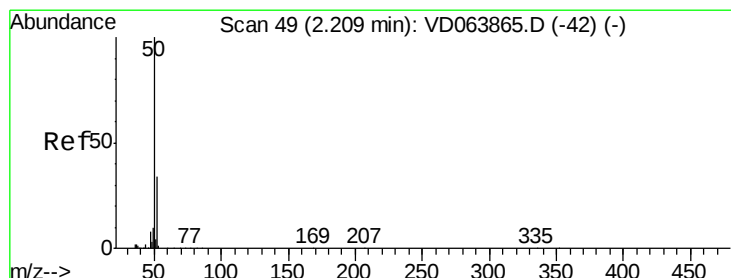
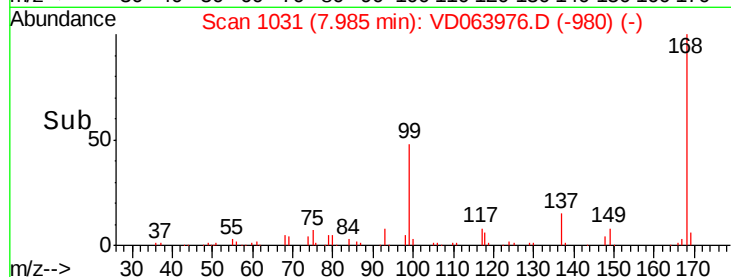
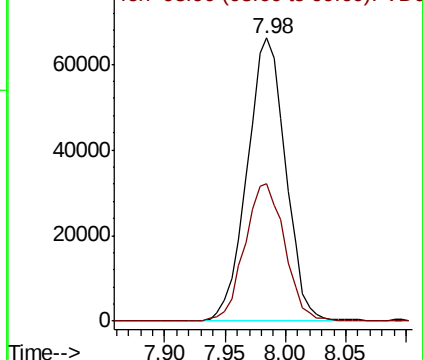
168 100

99 48.4 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: VD063976.D

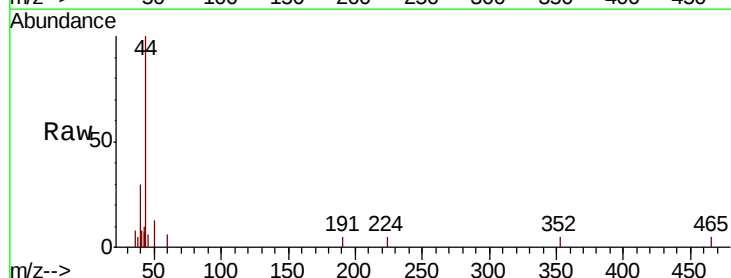
Acq: 15 Oct 2019 17:13

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

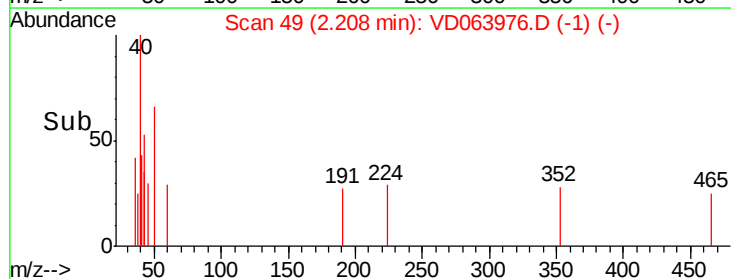
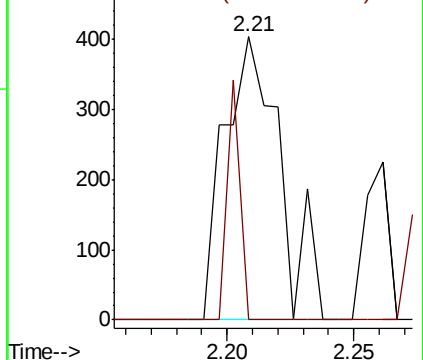
50 100

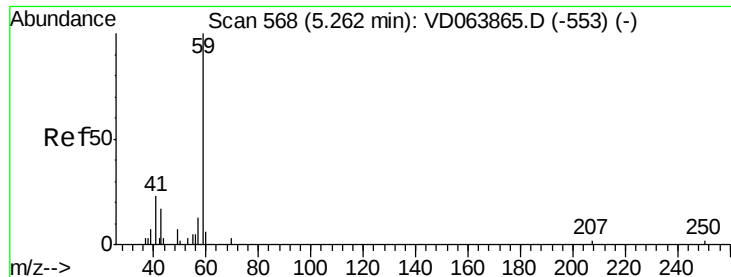
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



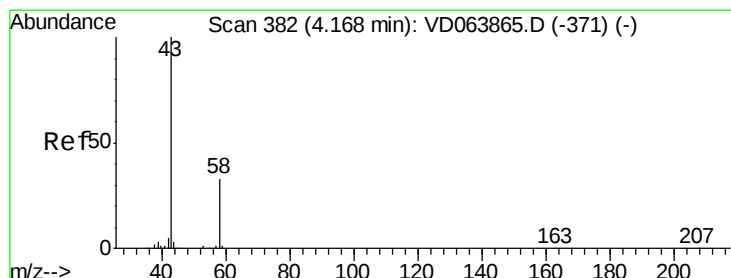
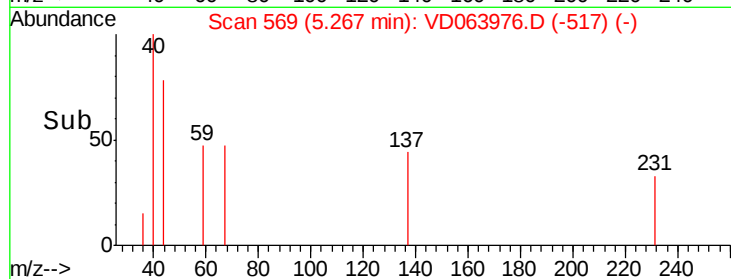
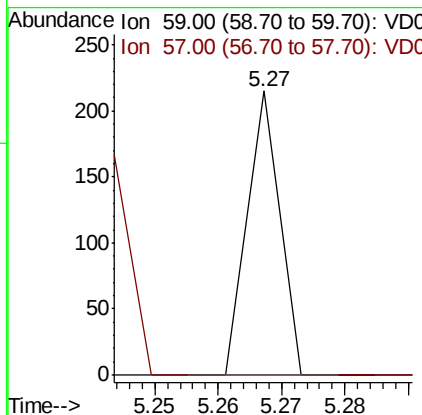
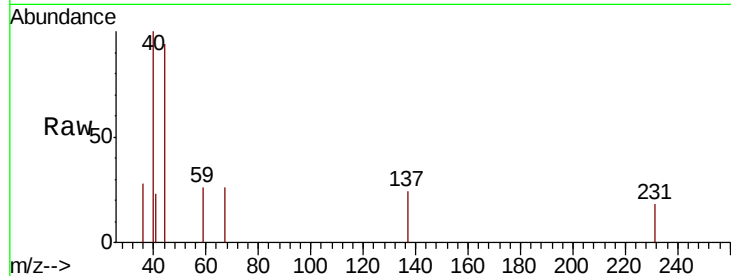


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22A-D2RE

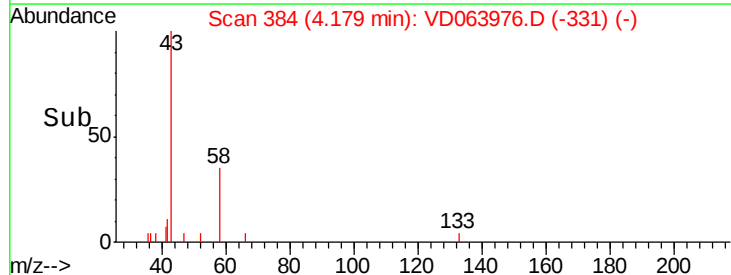
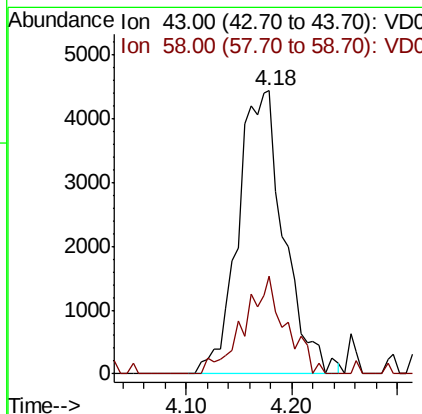
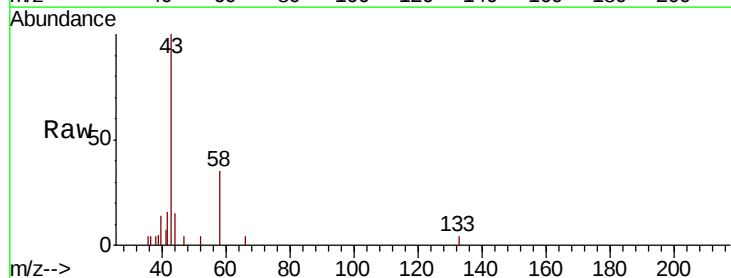
Tot Ion: 59 Resp: 76
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

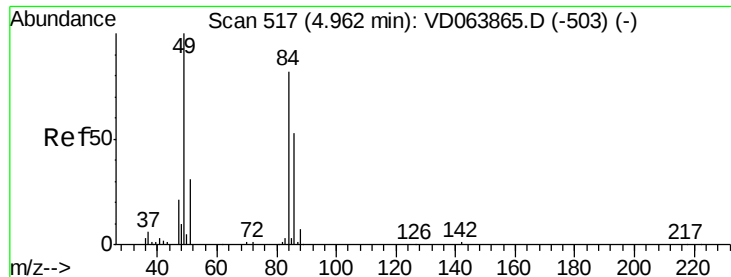


#16

Acetone
 Concen: 36.123 ug/l
 RT: 4.18 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 43 Resp: 13410
 Ion Ratio Lower Upper
 43 100
 58 34.7 26.2 39.4



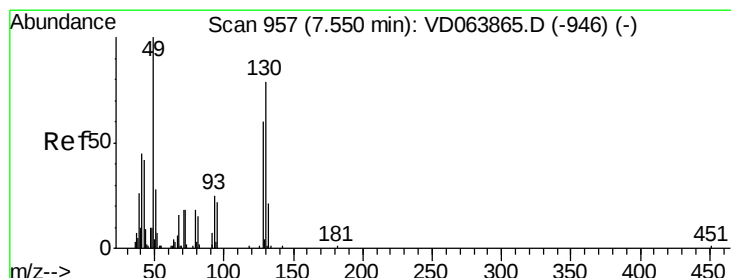
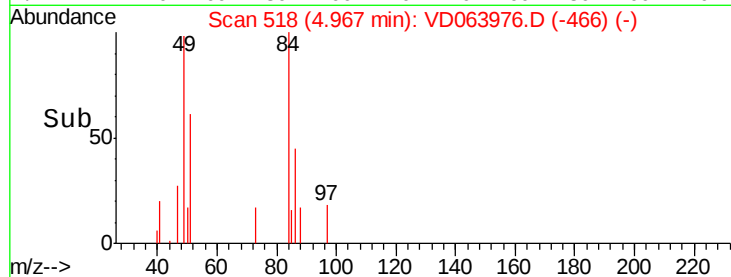
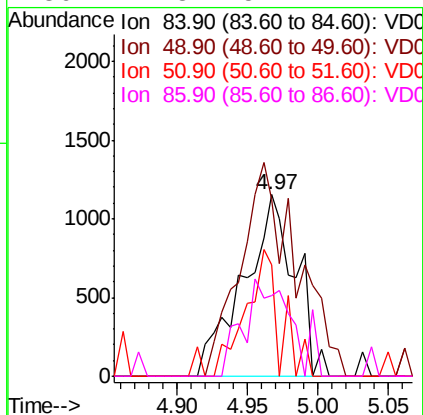
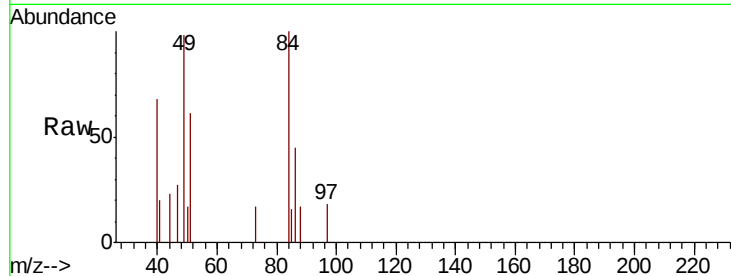


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-22A-D2RE

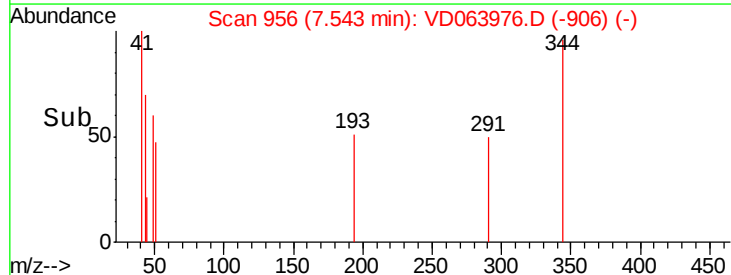
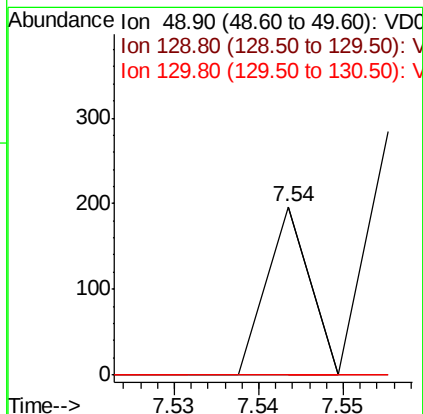
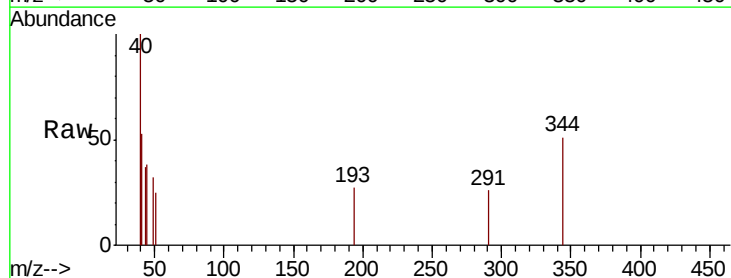
Tot Ion	Ratio	Lower	Upper
84	100		
49	97.6	97.3	145.9
51	61.3	30.1	45.1#
86	44.8	51.4	77.2#

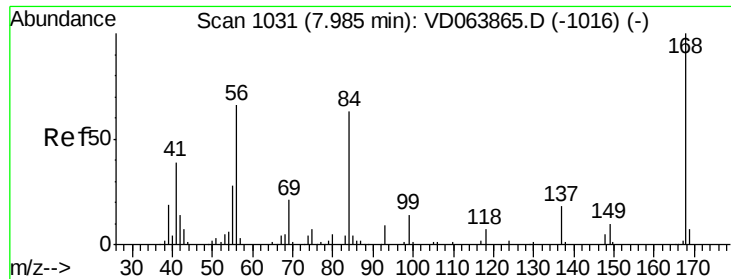


#28

Bromochloromethane
 Concen: 1.932 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	0.0	66.8	100.2#

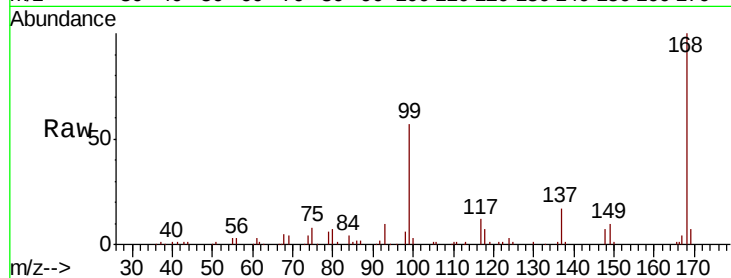




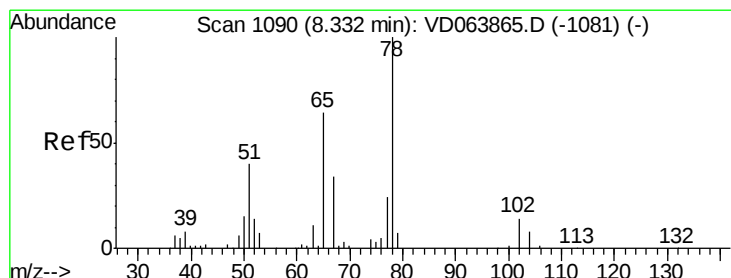
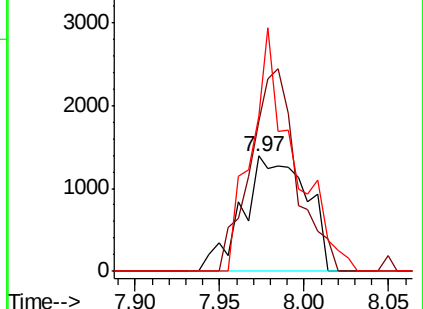
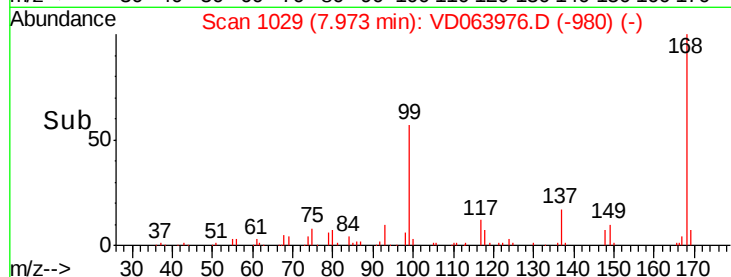
#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2RE

Tot Ion: 56 Resp: 3609
Ion Ratio Lower Upper
56 100
69 130.4 25.0 37.4#
84 135.0 76.3 114.5#

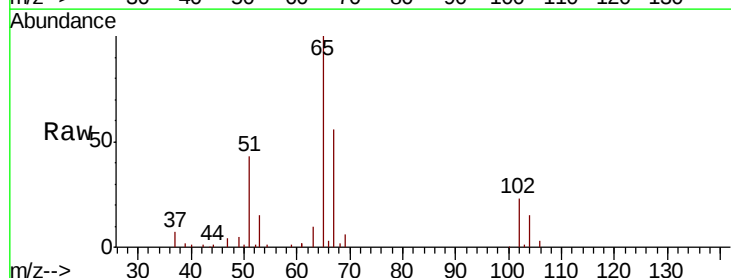


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

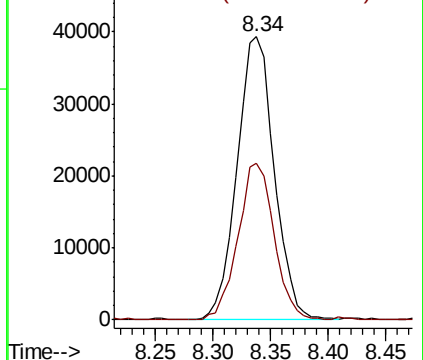
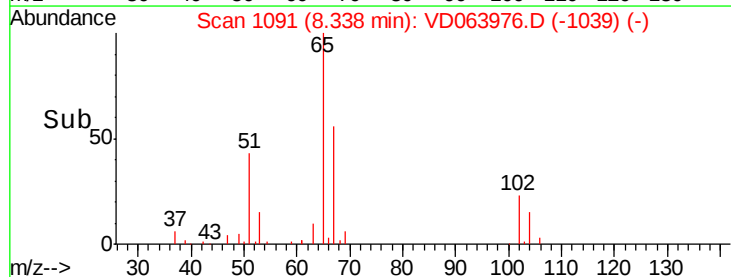


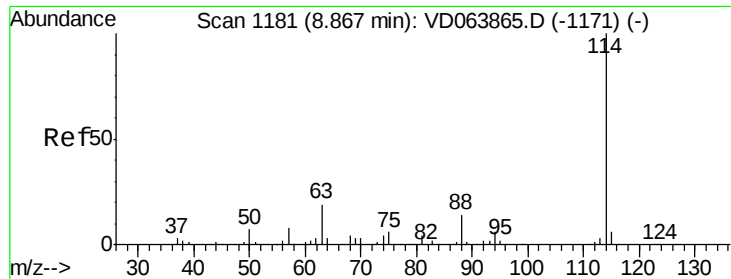
#33
1,2-Dichloroethane-d4
Concen: 61.632 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 65 Resp: 87879
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.4



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

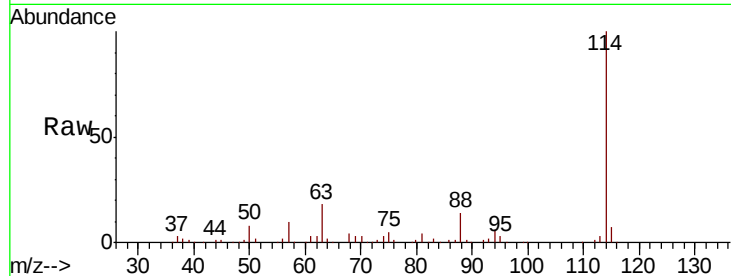




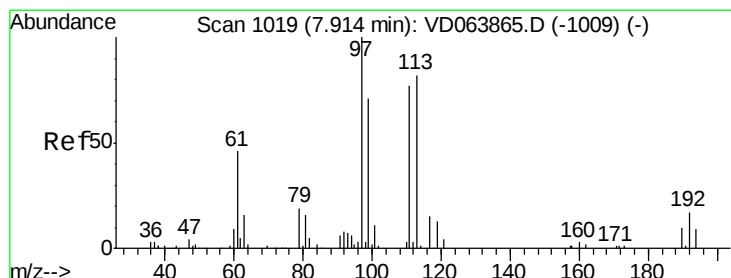
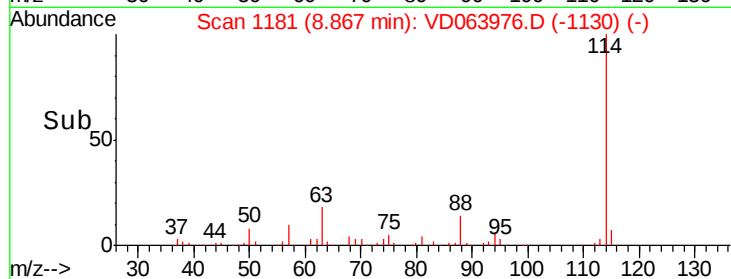
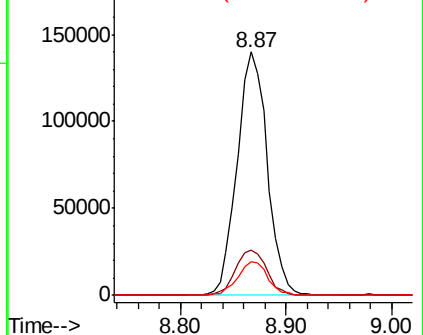
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2RE

Tot Ion:114 Resp: 277788
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 13.8 0.0 27.4

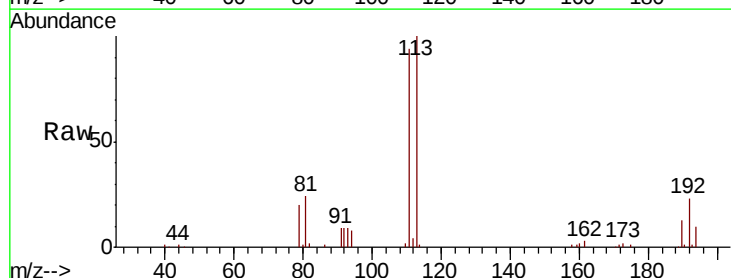


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

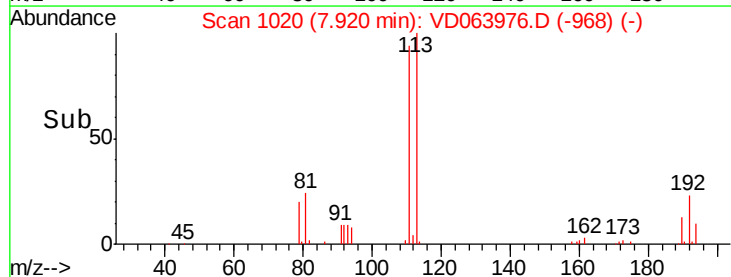
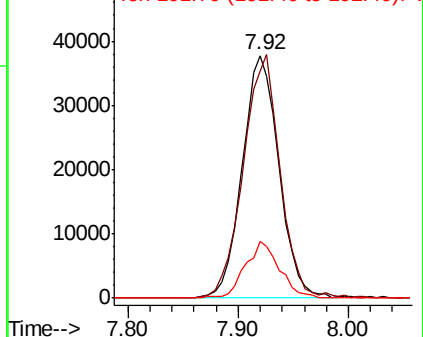


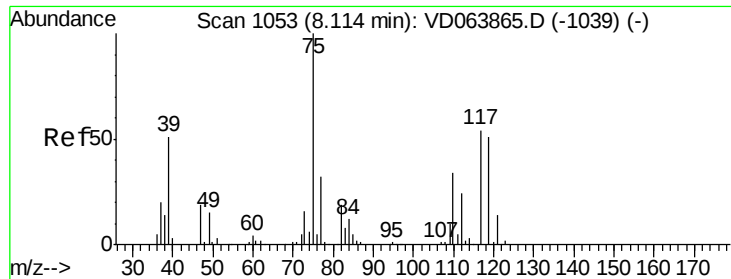
#35
Dibromofluoromethane
Concen: 51.841 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Tgt Ion:113 Resp: 88007
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 21.8 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

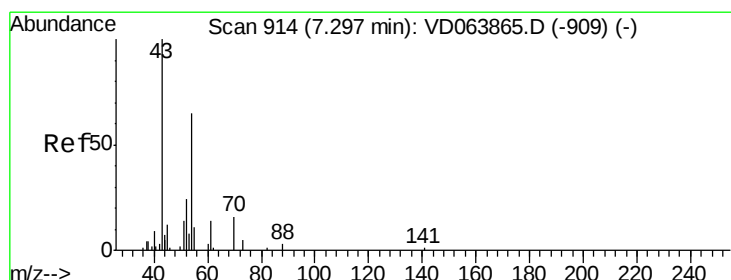
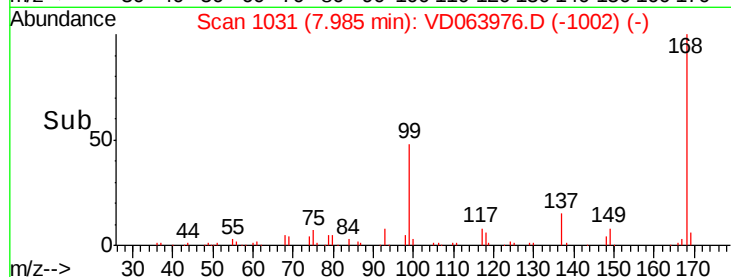
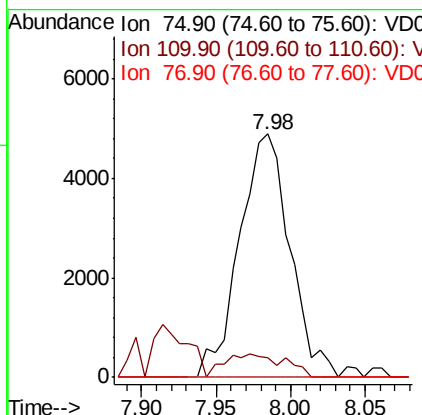
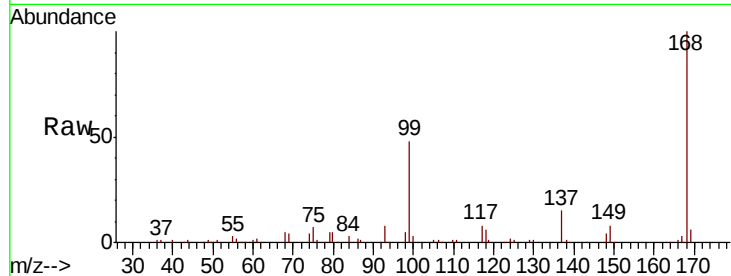




#36
 1,1-Dichloropropene
 Concen: 4.520 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

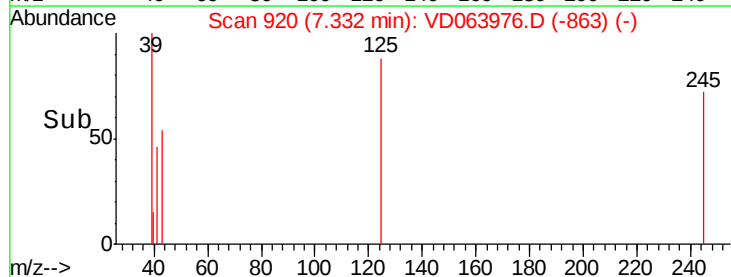
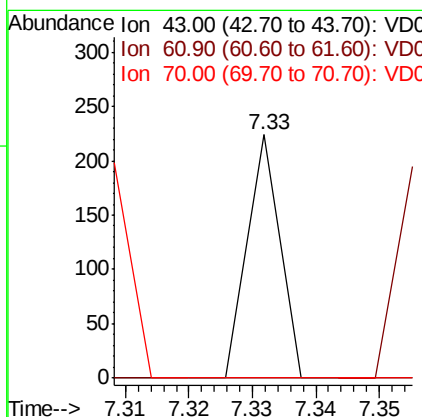
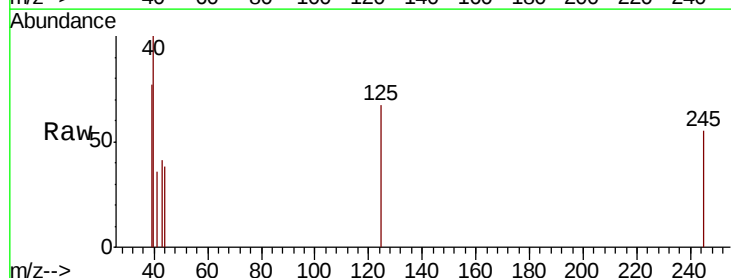
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 TP-22A-D2RE

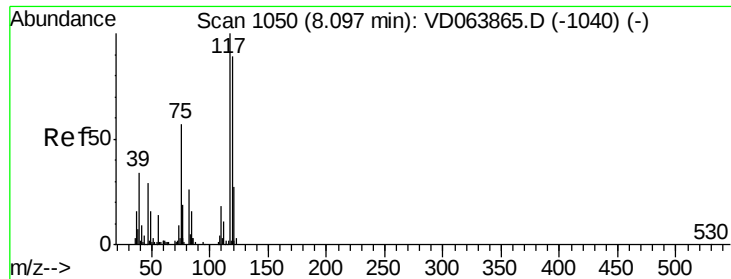
Tot Ion: 75 Resp: 11481
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.33 min Scan# 920
 Delta R.T. 0.04 min
 Lab File: VD063976.D
 Acq: 15 Oct 2019 17:13

Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.672 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063976.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

TP-22A-D2RE

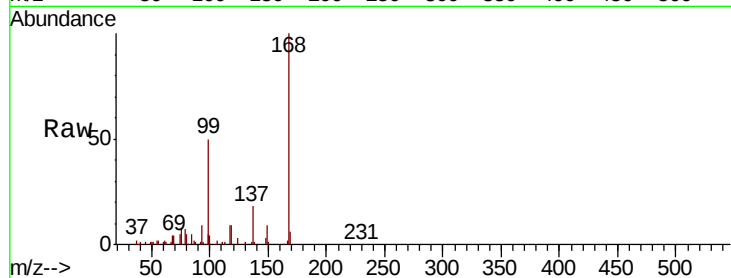
Tot Ion:117 Resp: 14557

Ion Ratio Lower Upper

117 100

119 3.5 70.8 106.2#

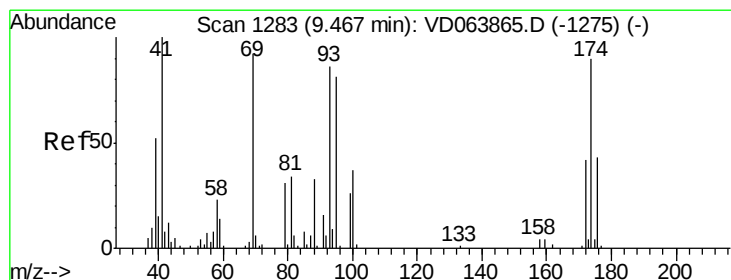
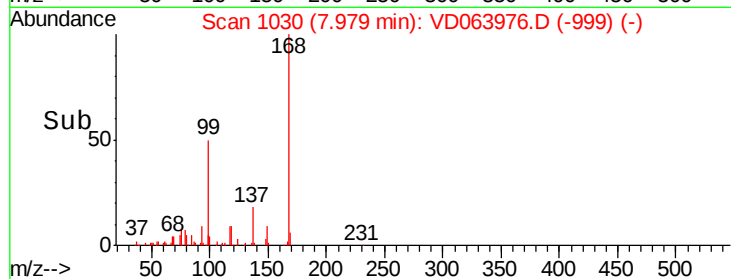
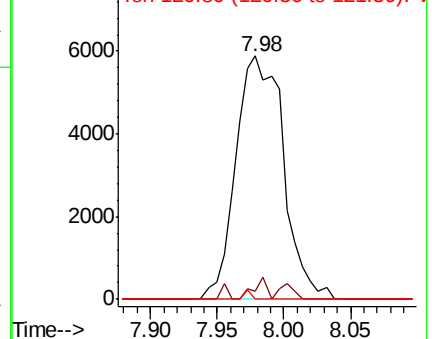
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 6.137 ug/l

RT: 9.61 min Scan# 1308

Delta R.T. 0.15 min

Lab File: VD063976.D

Acq: 15 Oct 2019 17:13

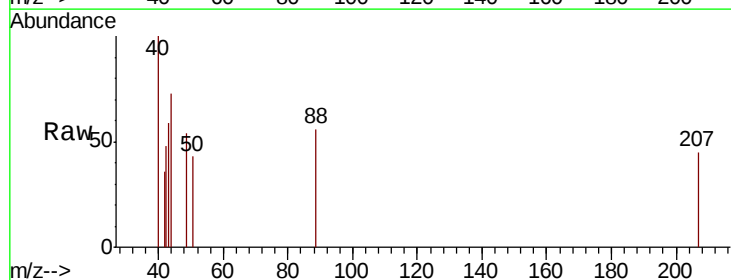
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 190.6 27.6 41.4#

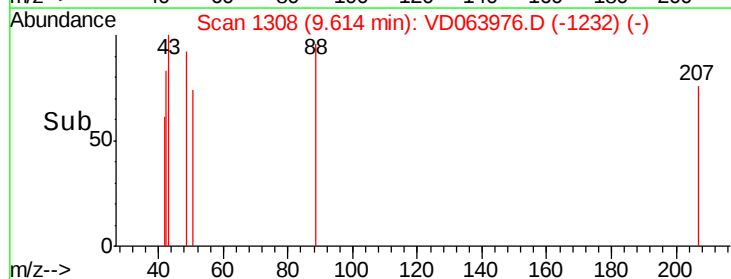
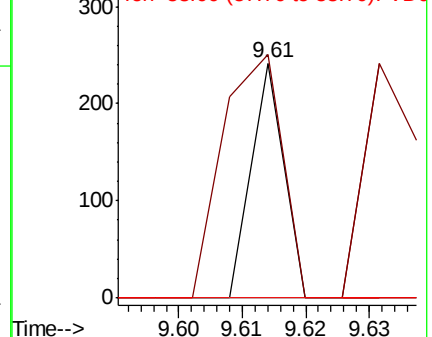
58 0.0 54.1 81.1#

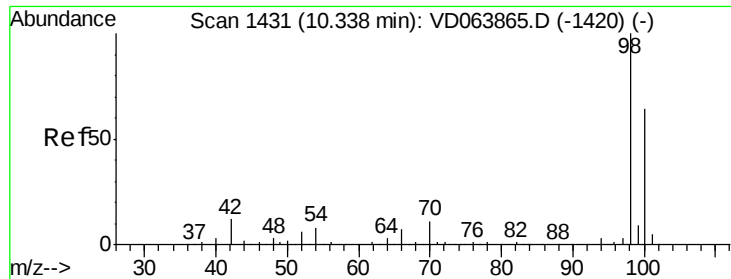


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

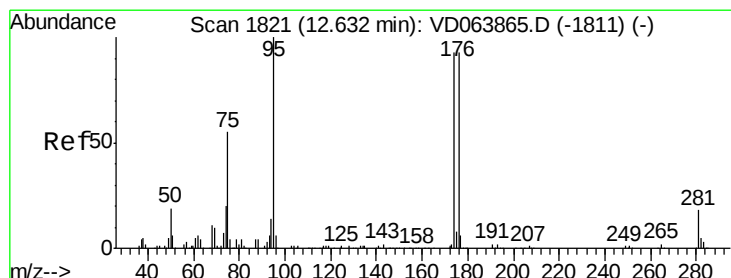
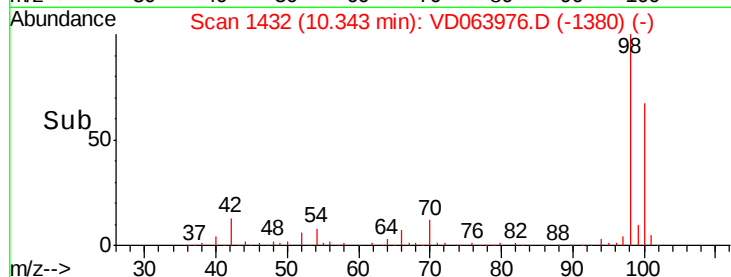
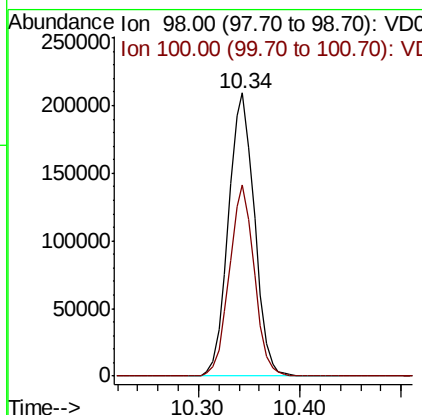
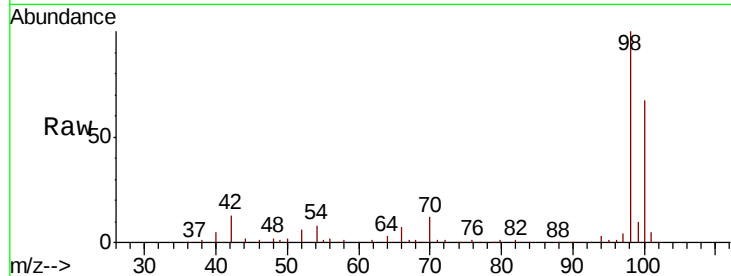




#50
Toluene-d8
Concen: 54.109 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

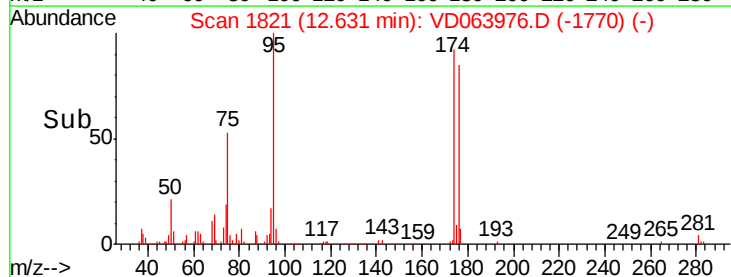
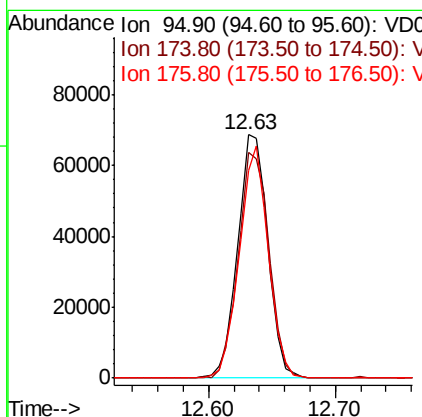
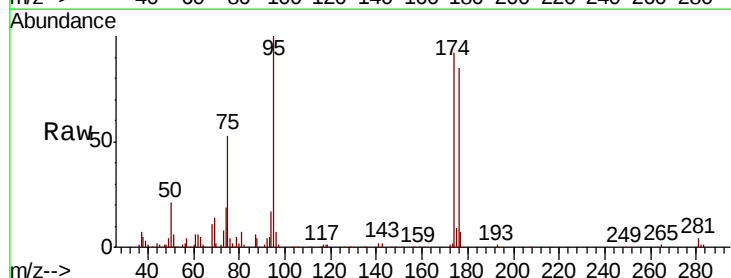
Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2RE

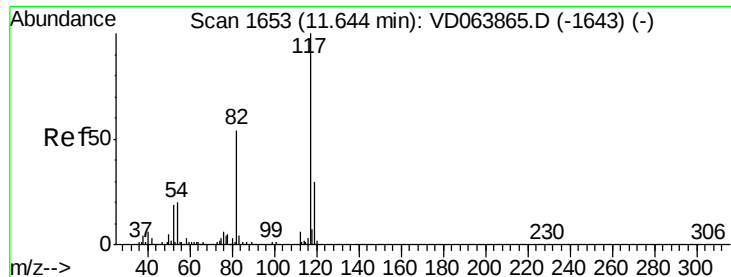
Tot Ion: 98 Resp: 372837
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.884 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Tgt Ion: 95 Resp: 112260
Ion Ratio Lower Upper
95 100
174 95.5 0.0 186.4
176 92.0 0.0 184.2

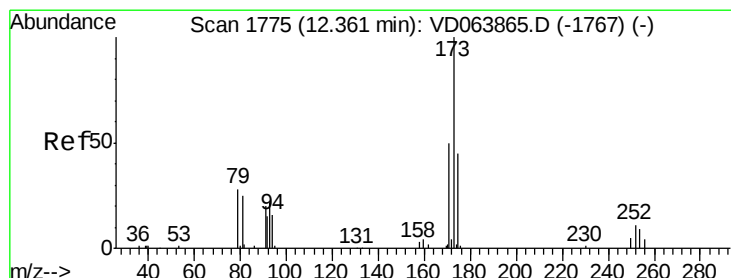
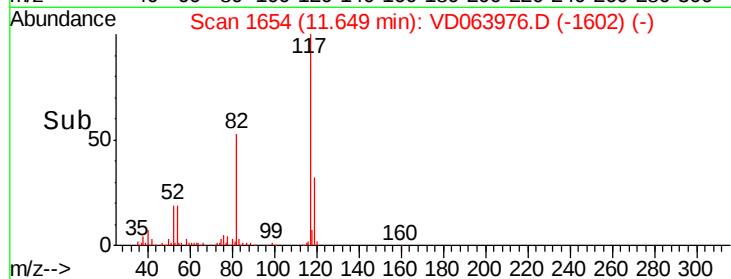
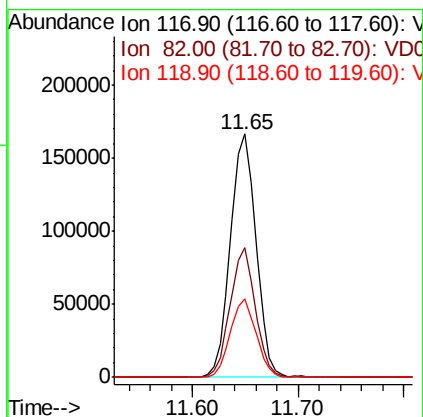
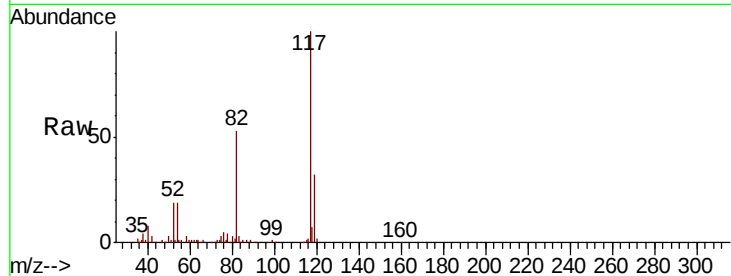




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

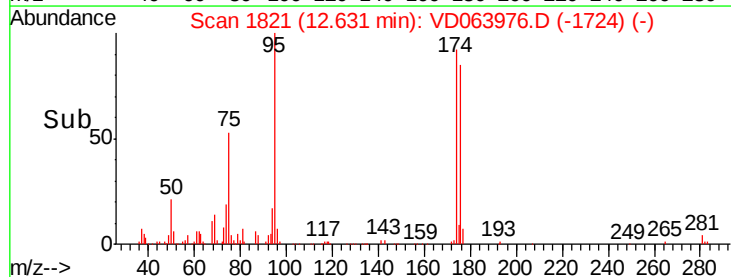
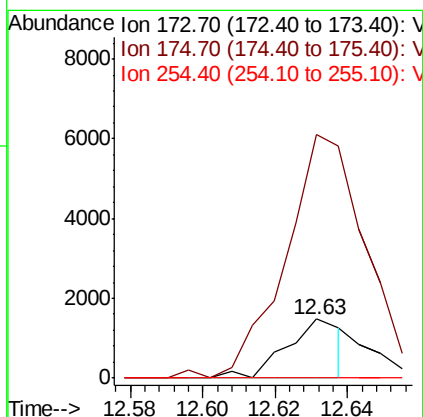
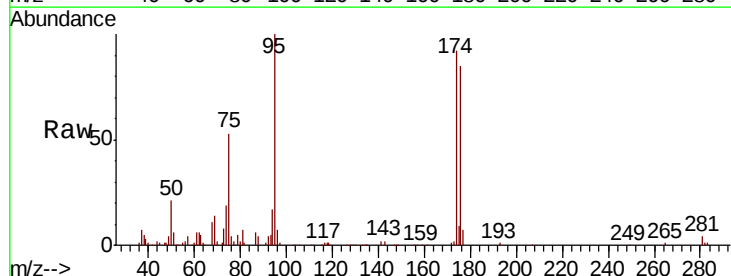
Instrument :
MSVOA_D
ClientSampleId :
TP-22A-D2RE

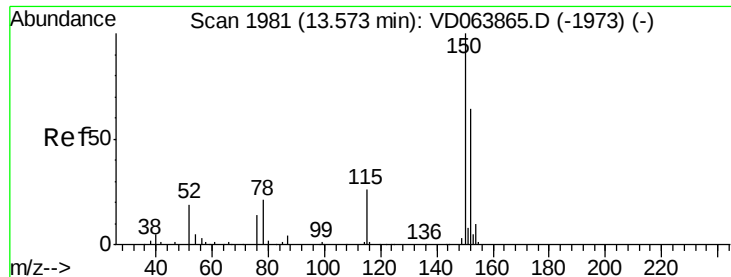
Tot Ion:117 Resp: 279229
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.1 24.4 36.6



#71
Bromoform
Concen: 1.417 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063976.D
Acq: 15 Oct 2019 17:13

Tgt Ion:173 Resp: 1571
Ion Ratio Lower Upper
173 100
175 439.8 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: VD063976.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

TP-22A-D2RE

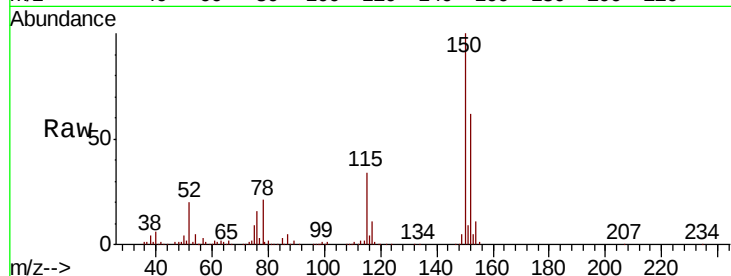
Tot Ion:152 Resp: 134072

Ion Ratio Lower Upper

152 100

115 55.2 25.9 77.7

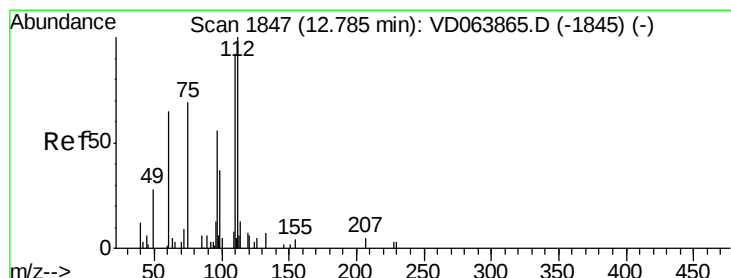
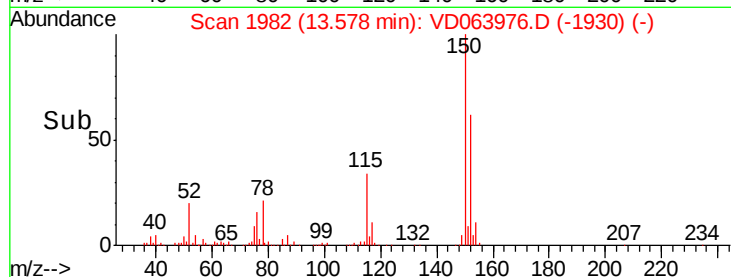
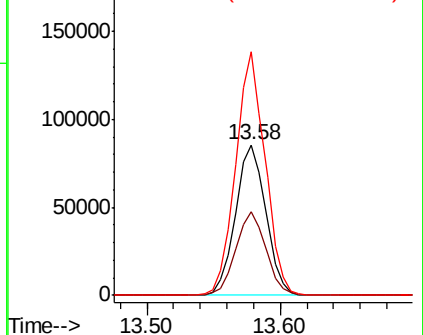
150 157.8 0.0 344.2



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: 70.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063976.D

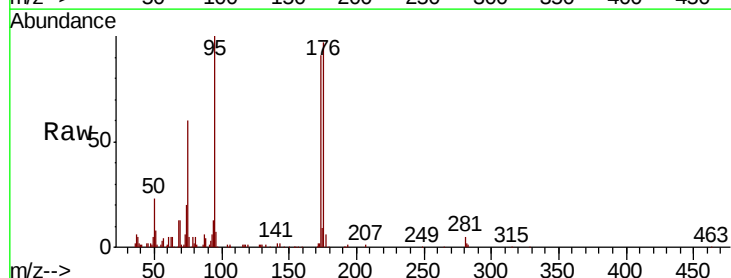
Acq: 15 Oct 2019 17:13

Tgt Ion: 75 Resp: 63404

Ion Ratio Lower Upper

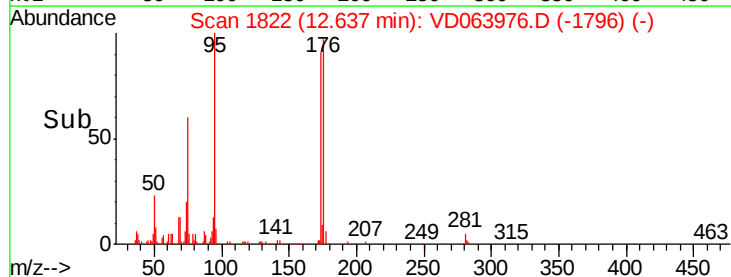
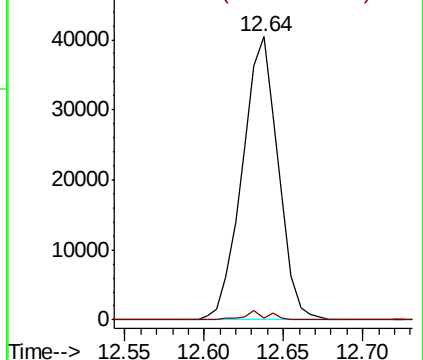
75 100

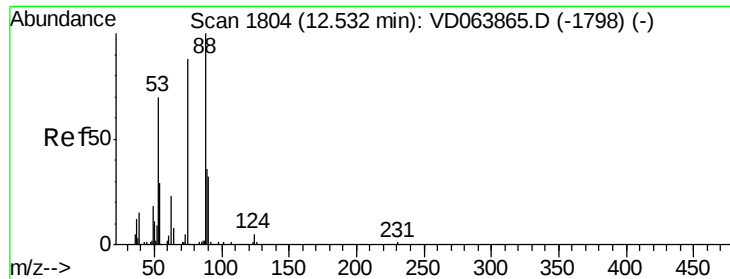
77 2.1 0.0 0.0#



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: 124.947 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063976.D

Acq: 15 Oct 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

TP-22A-D2RE

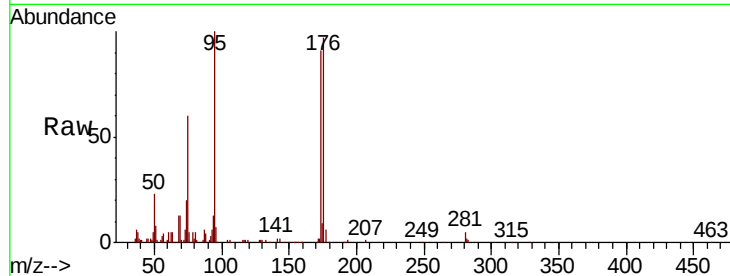
Tot Ion: 75 Resp: 63404

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

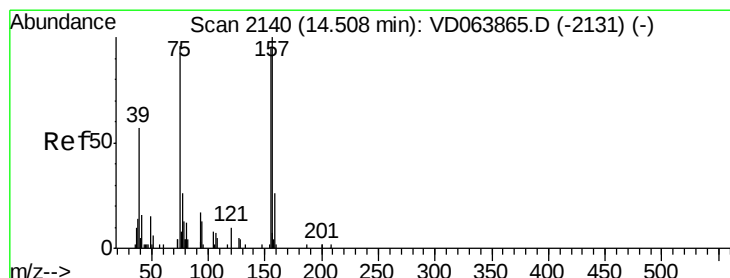
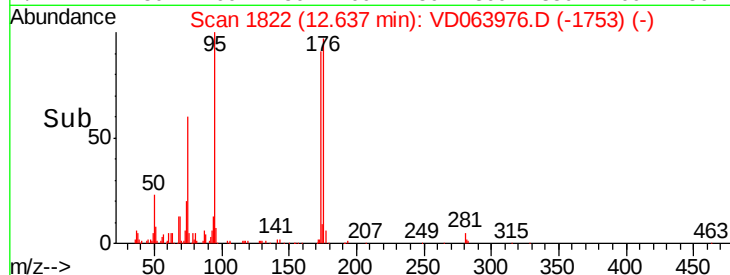
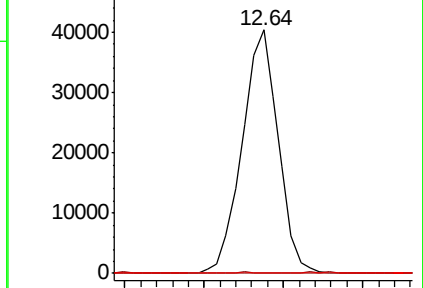
89 0.1 38.2 57.4#



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: 14.54 min Scan# 2146

Delta R.T. 0.04 min

Lab File: VD063976.D

Acq: 15 Oct 2019 17:13

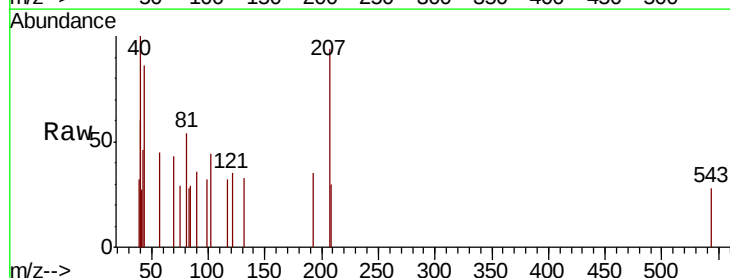
Tgt Ion: 75 Resp: 58

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

