

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063928.D
 Acq On : 11 Oct 2019 10:53
 Operator : VA/SY
 Sample : VD1011SBL01
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBL01

Quant Time: Oct 12 01:34:14 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	170910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	148276	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	97652	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
35) Dibromofluoromethane	7.92	113	98220	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.34	98	404873	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.64	95	123310	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	

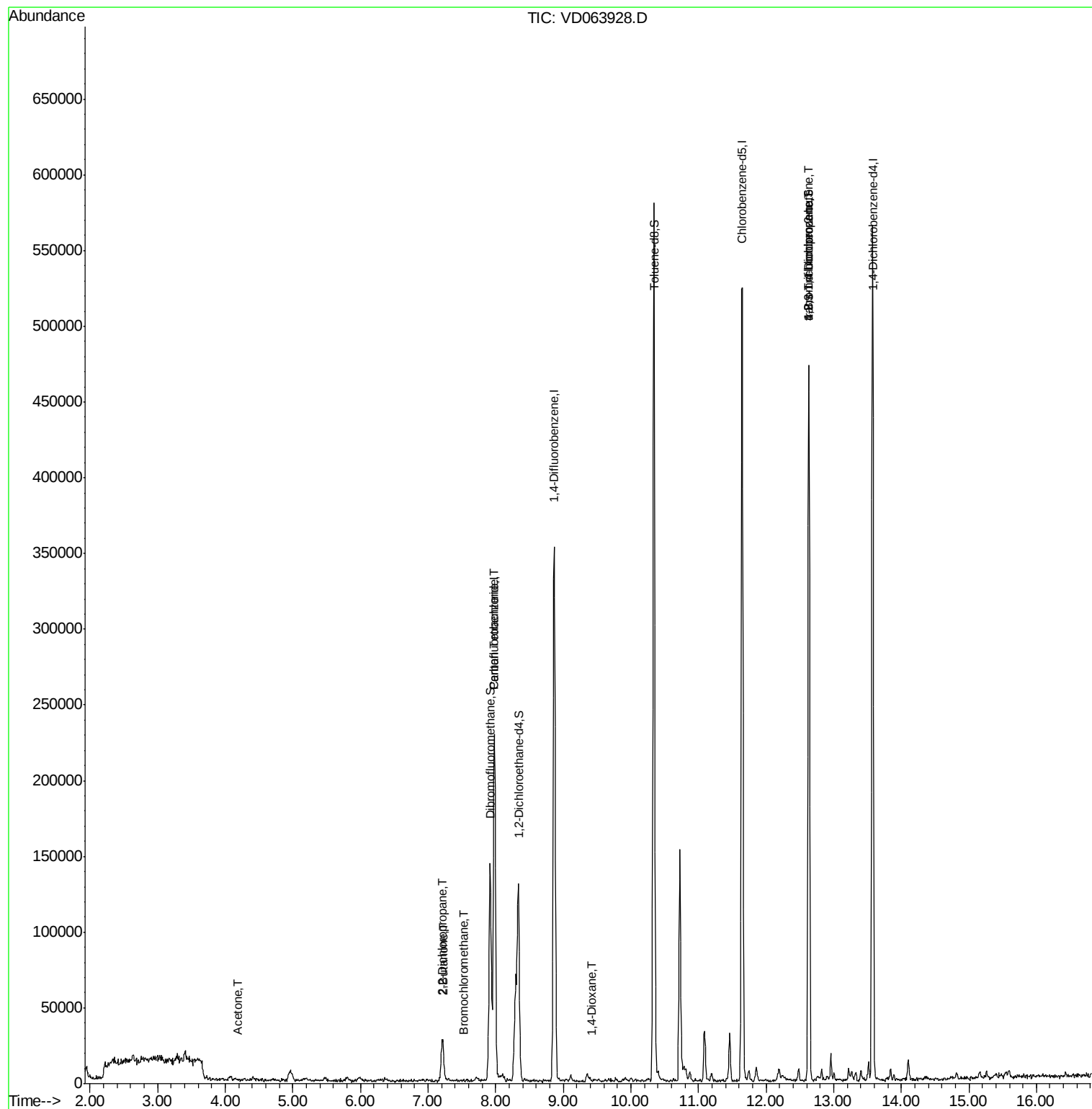
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	2178	Below Cal		97
11) Tert butyl alcohol	5.24	59	253	Below Cal	#	71
16) Acetone	4.18	43	1125	2.597	ug/l #	59
20) Methylene Chloride	4.96	84	5642	Below Cal	#	61
25) 2-Butanone	7.23	43	1895	3.691	ug/l #	76
26) 2,2-Dichloropropane	7.21	77	2758	1.018	ug/l #	57
28) Bromochloromethane	7.53	49	158	1.998	ug/l #	10
31) Cyclohexane	7.98	56	5302	Below Cal	#	39
37) Ethyl Acetate	7.29	43	72	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17524	6.089	ug/l #	19
49) 1,4-Dioxane	9.43	88	55	3.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	67224	67.690	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	67224	119.785	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	285	Below Cal	#	1

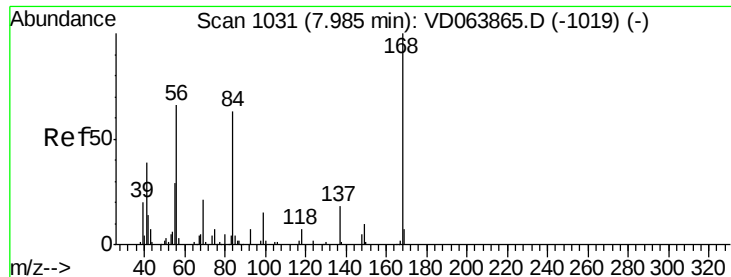
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
Data File : VD063928.D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

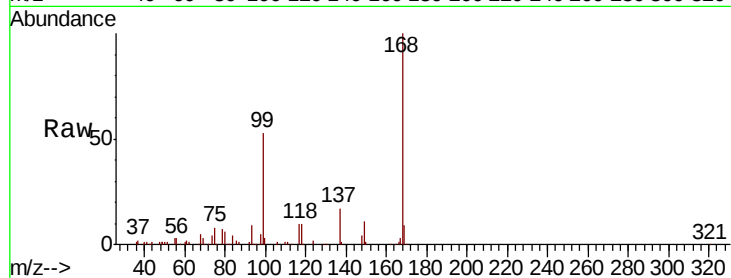
VD1011SBL01

Tot Ion:168 Resp: 170910

Ion Ratio Lower Upper

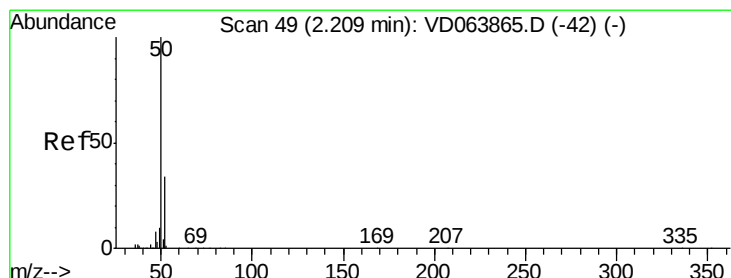
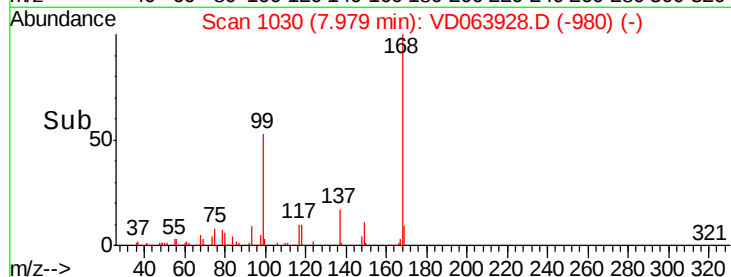
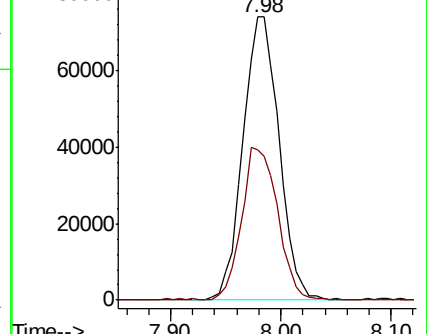
168 100

99 52.8 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: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063928.D

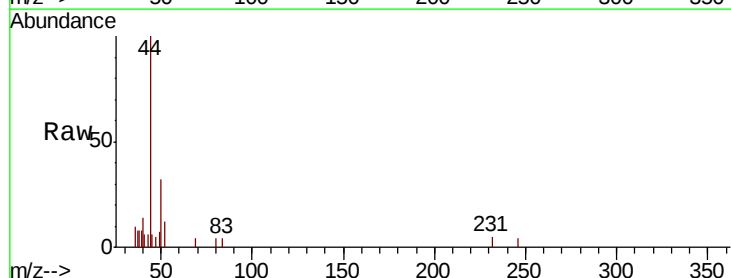
Acq: 11 Oct 2019 10:53

Tgt Ion: 50 Resp: 2178

Ion Ratio Lower Upper

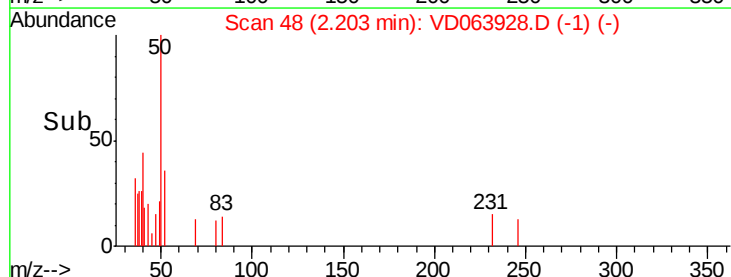
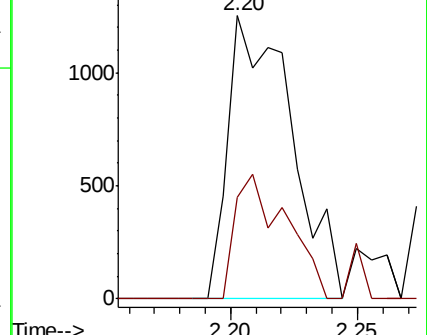
50 100

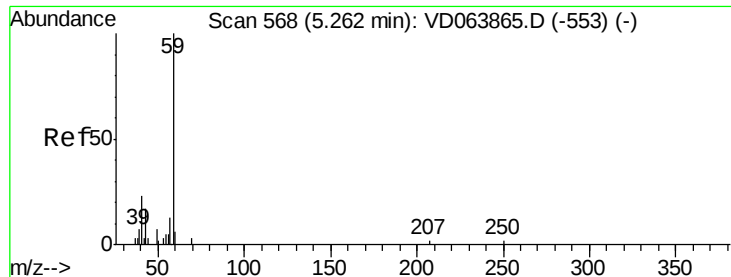
52 35.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



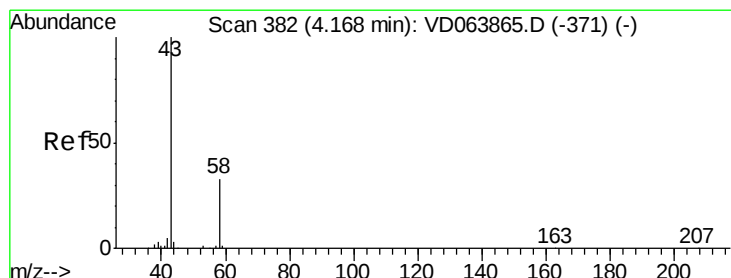
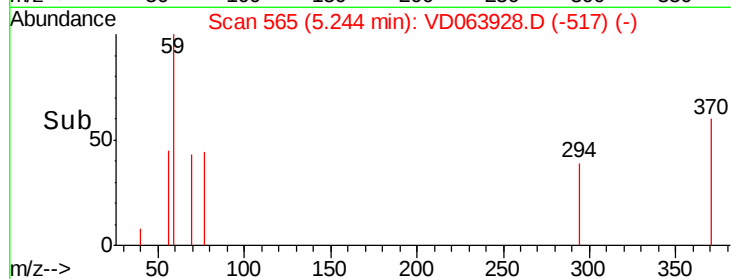
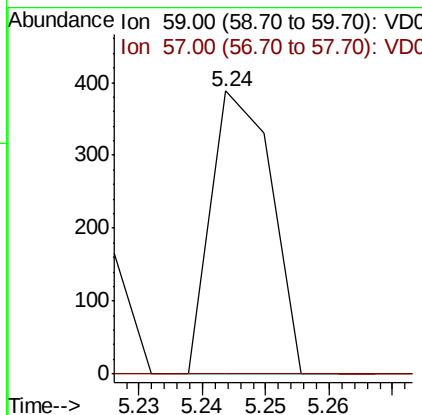
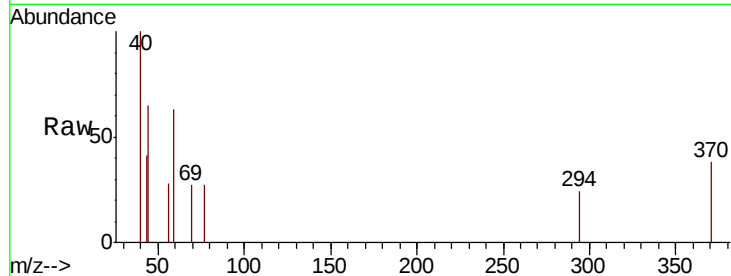


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063928.D
 Acq: 11 Oct 2019 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBL01

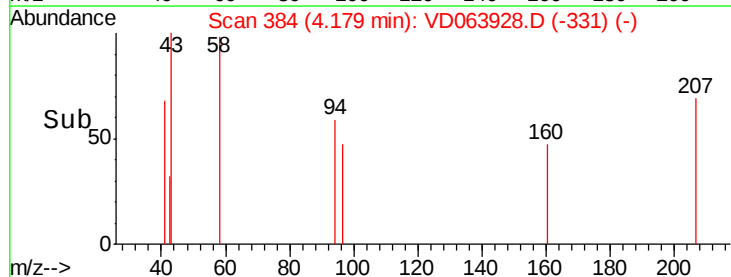
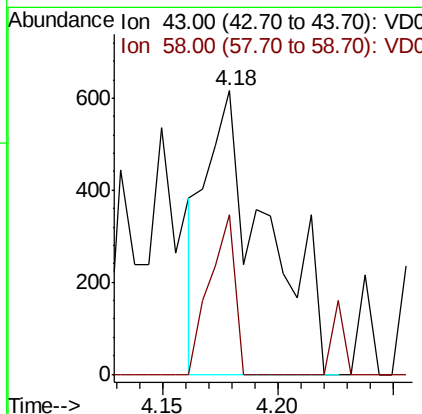
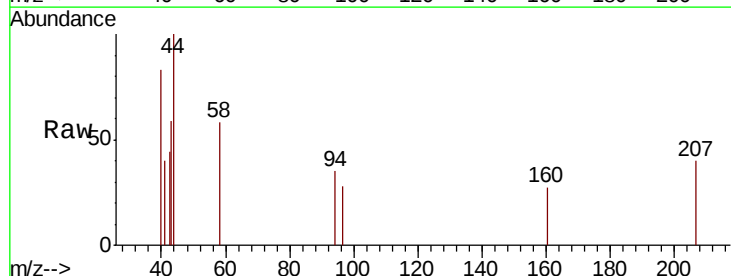
Tot Ion: 59 Resp: 253
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

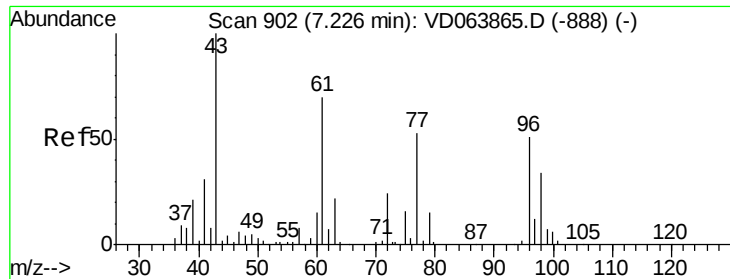


#16

Acetone
 Concen: 2.597 ug/l
 RT: 4.18 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD063928.D
 Acq: 11 Oct 2019 10:53

Tgt Ion: 43 Resp: 1125
 Ion Ratio Lower Upper
 43 100
 58 56.2 26.2 39.4#

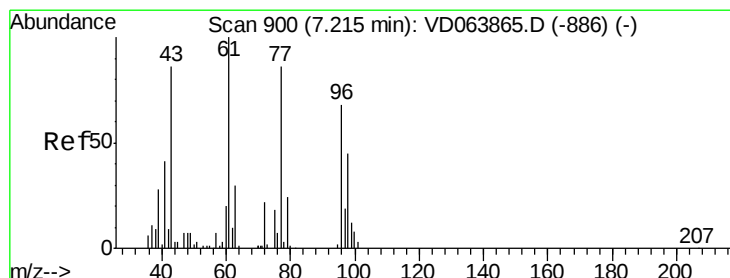
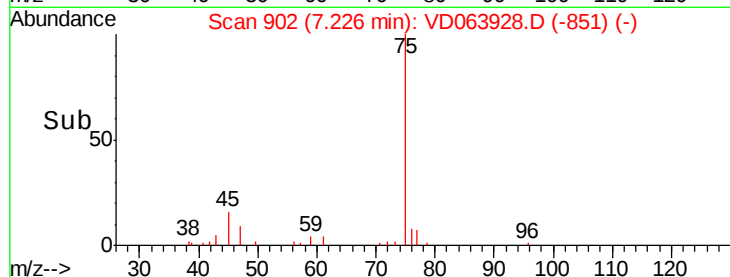
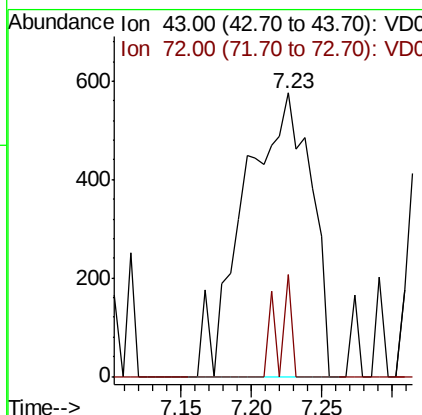
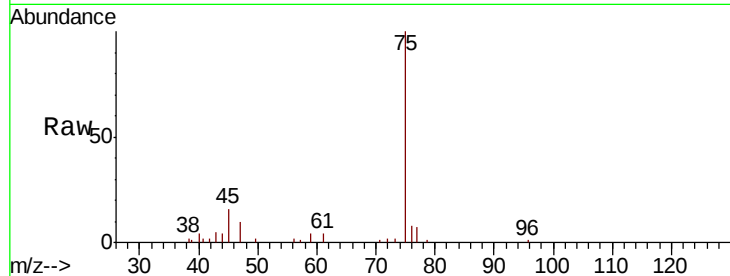




#25
 2-Butanone
 Concen: 3.691 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063928.D
 Acq: 11 Oct 2019 10:53

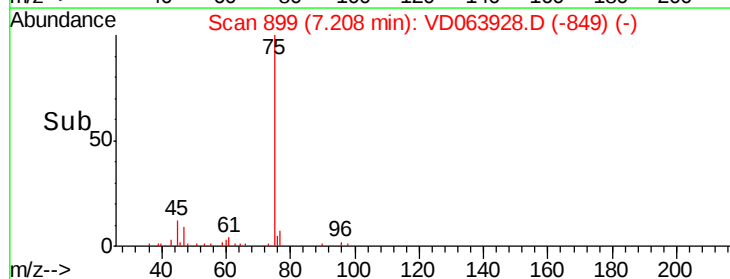
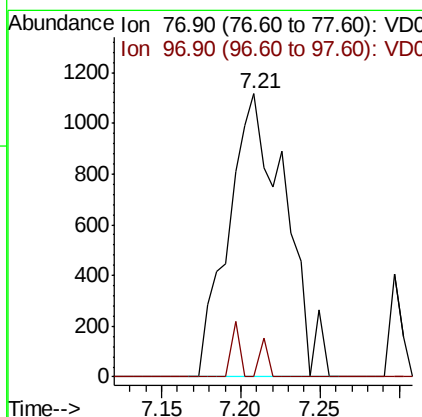
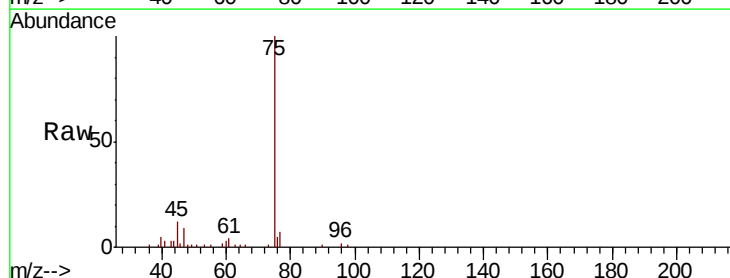
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1011SBL01

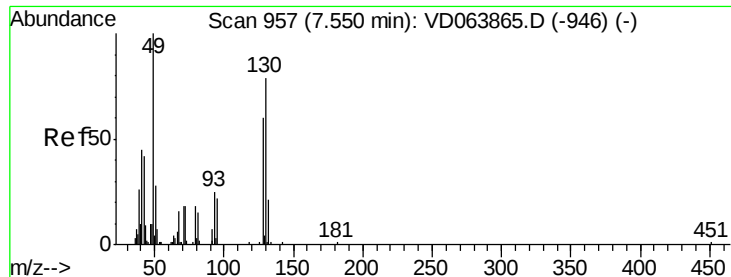
Tot Ion: 43 Resp: 1895
 Ion Ratio Lower Upper
 43 100
 72 35.9 19.2 28.8#



#26
 2,2-Dichloropropane
 Concen: 1.018 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD063928.D
 Acq: 11 Oct 2019 10:53

Tgt Ion: 77 Resp: 2758
 Ion Ratio Lower Upper
 77 100
 97 2.0 11.4 34.1#





#28

Bromochloromethane

Concen: 1.998 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.02 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBL01

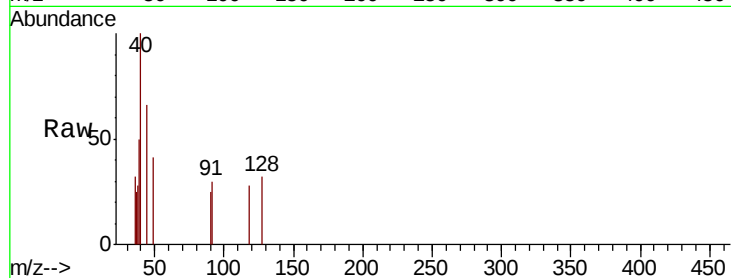
Tot Ion: 49 Resp: 158

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

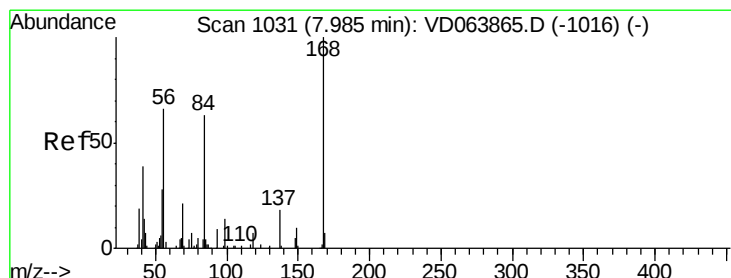
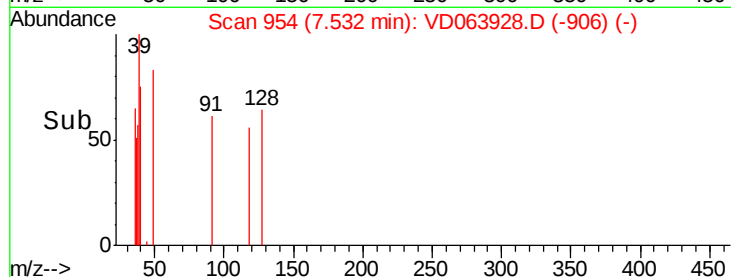
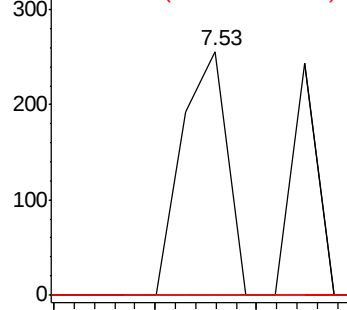
130 0.0 66.8 100.2#



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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

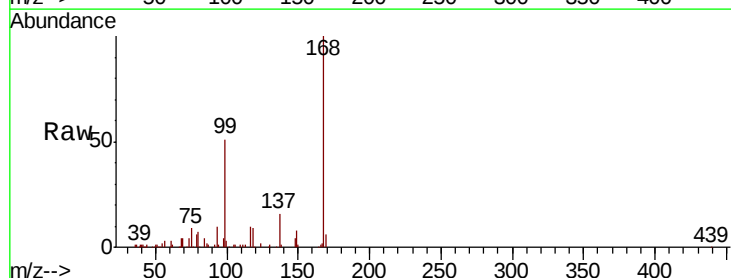
Tgt Ion: 56 Resp: 5302

Ion Ratio Lower Upper

56 100

69 113.4 25.0 37.4#

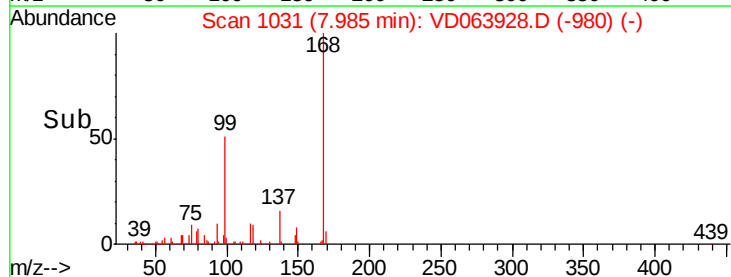
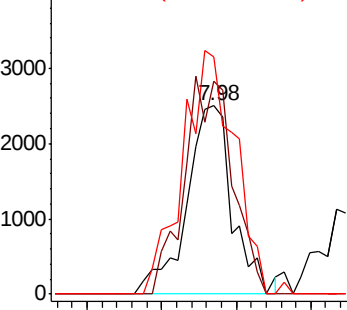
84 126.4 76.3 114.5#

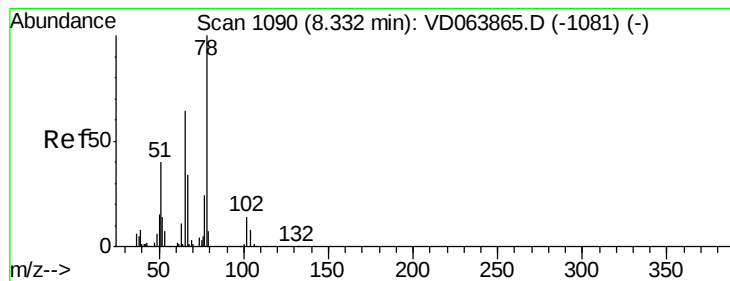


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.687 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

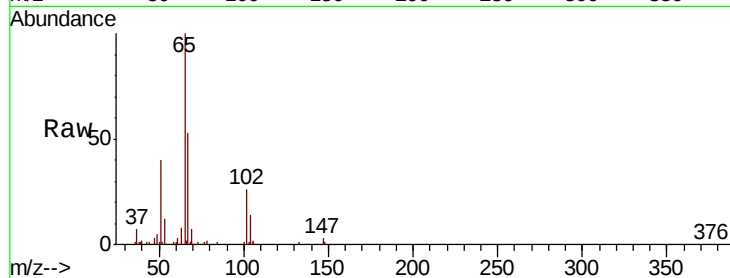
VD1011SBL01

Tot Ion: 65 Resp: 97652

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

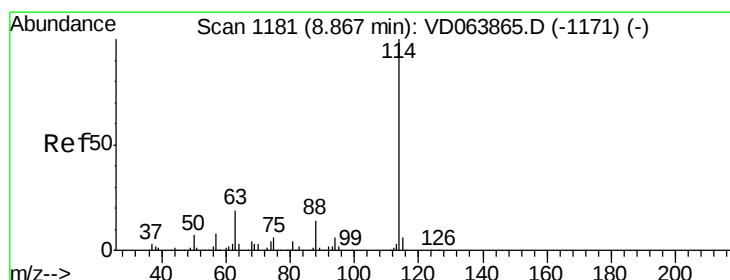
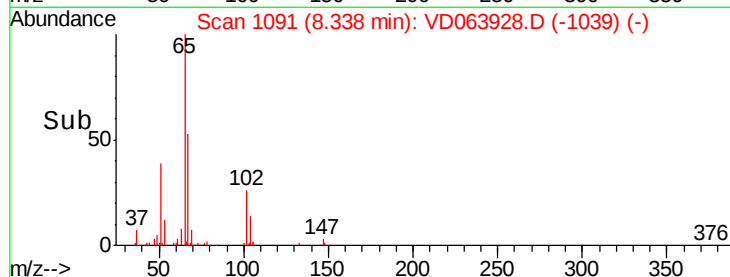
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

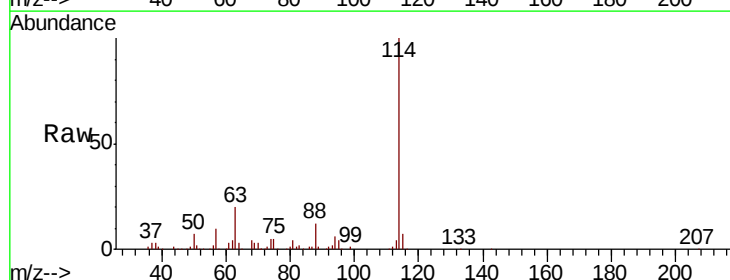
Tgt Ion: 114 Resp: 311484

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 11.8 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

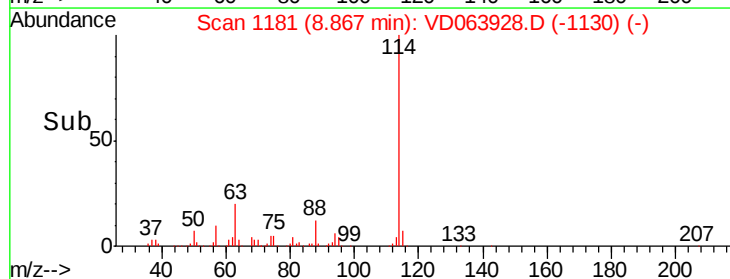
100000

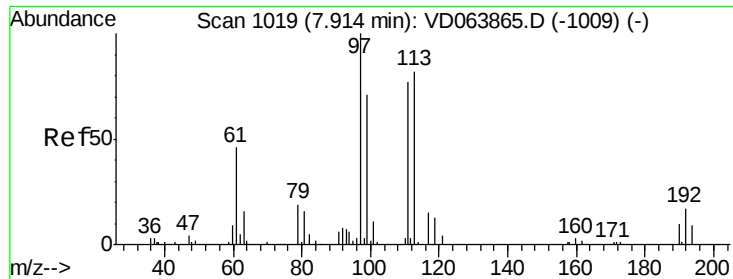
50000

0

8.80 8.85 8.90 8.95

Time-->

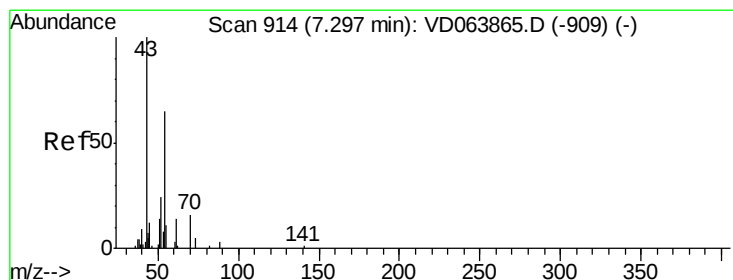
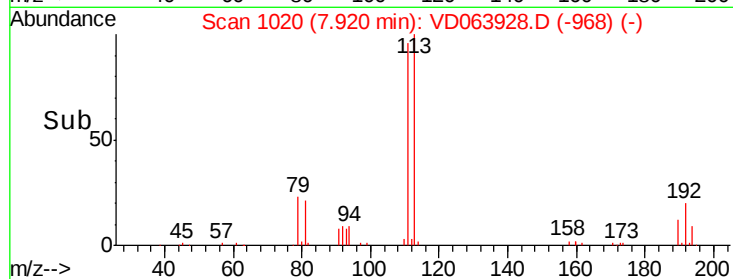
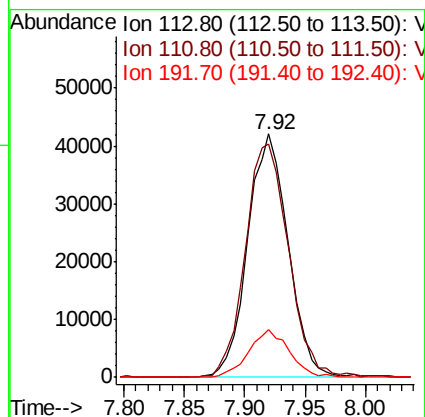
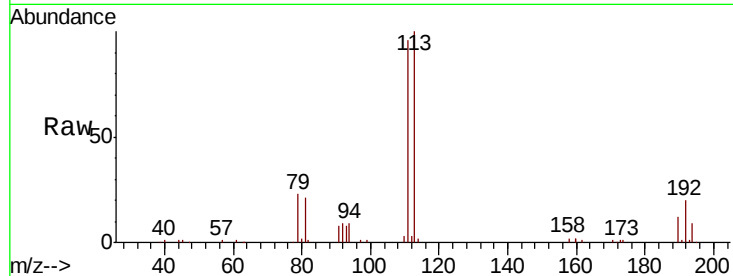




#35
Dibromofluoromethane
Concen: 51.598 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063928.D
Acq: 11 Oct 2019 10:53

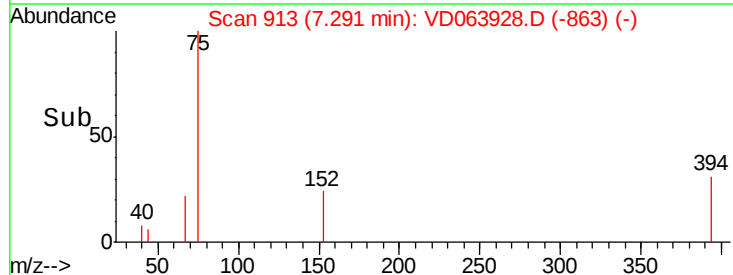
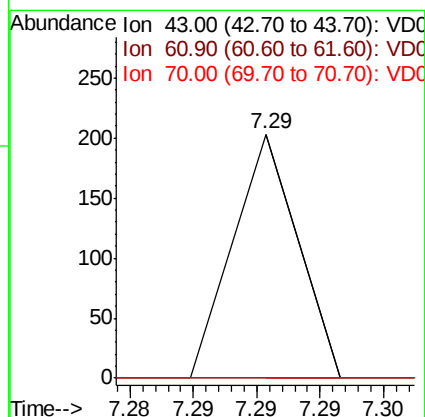
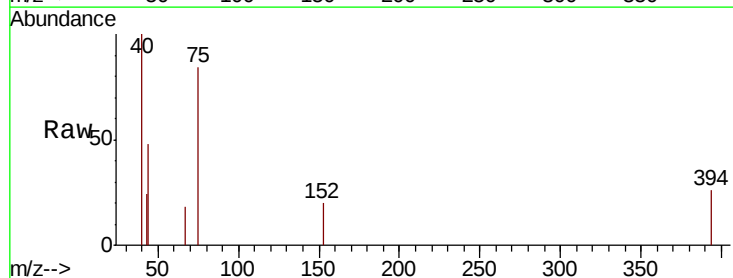
Instrument :
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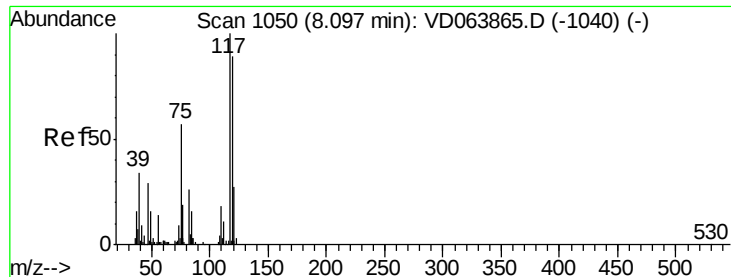
Tot Ion:113 Resp: 98220
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 19.7 17.1 25.7



#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063928.D
Acq: 11 Oct 2019 10:53

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.089 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBL01

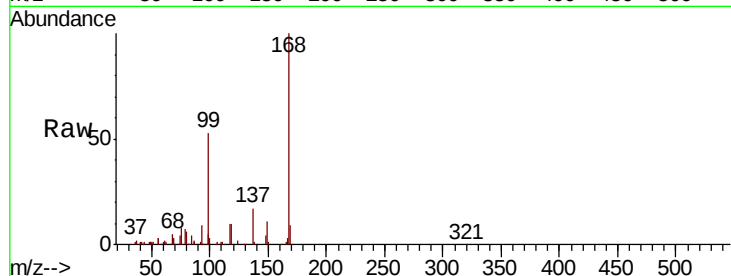
Tot Ion:117 Resp: 17524

Ion Ratio Lower Upper

117 100

119 4.2 70.8 106.2#

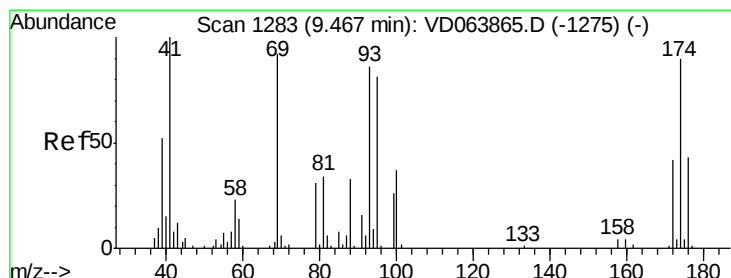
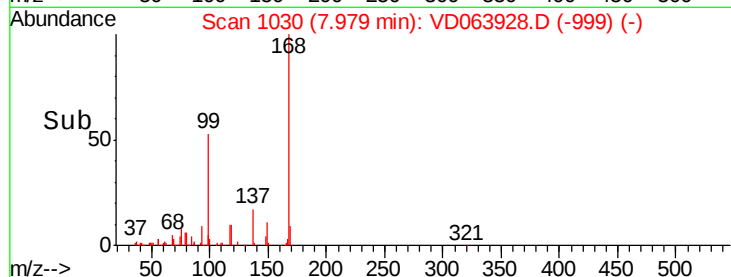
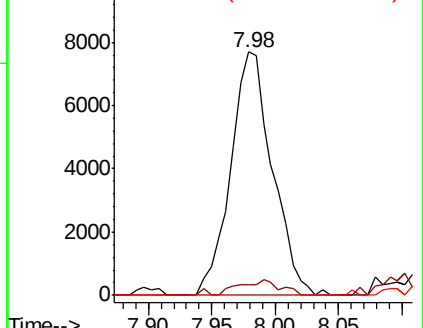
121 0.0 21.4 32.0#



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: 3.542 ug/l

RT: 9.43 min Scan# 1276

Delta R.T. -0.04 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

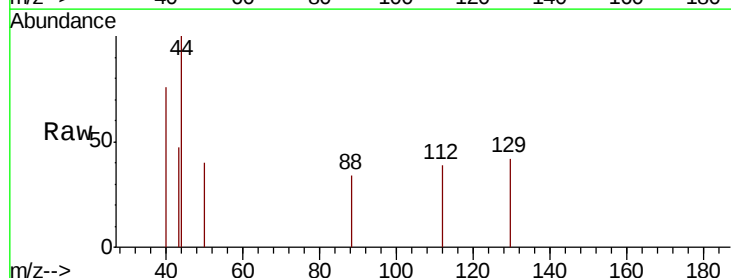
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 398.2 27.6 41.4#

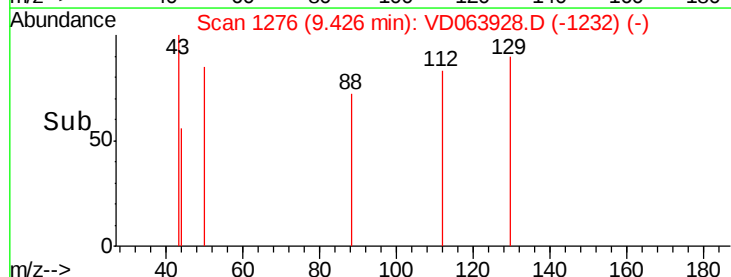
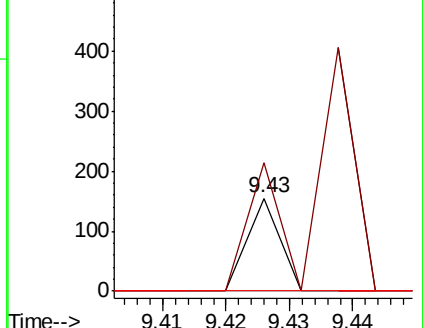
58 0.0 54.1 81.1#

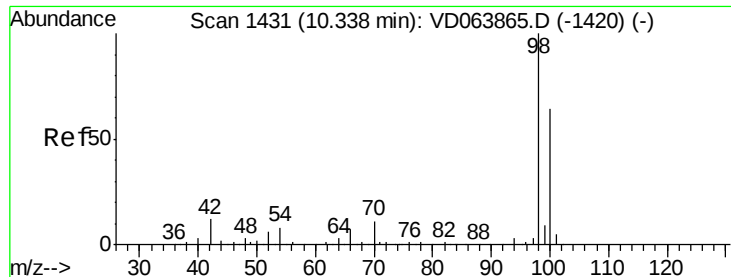


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 52.402 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

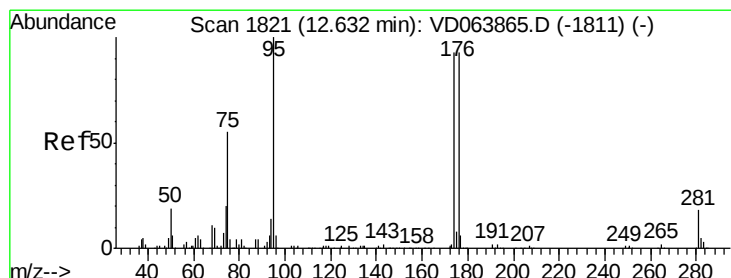
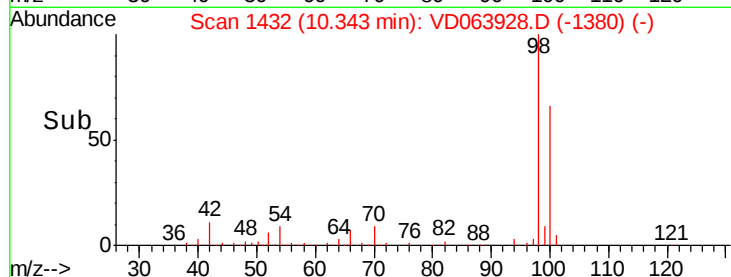
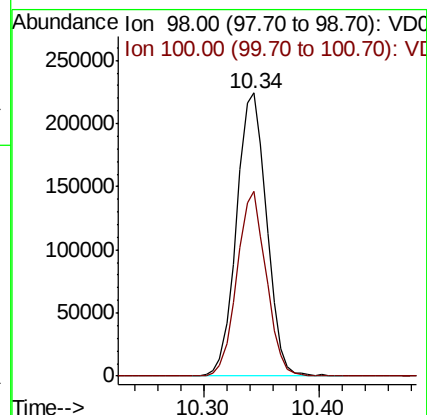
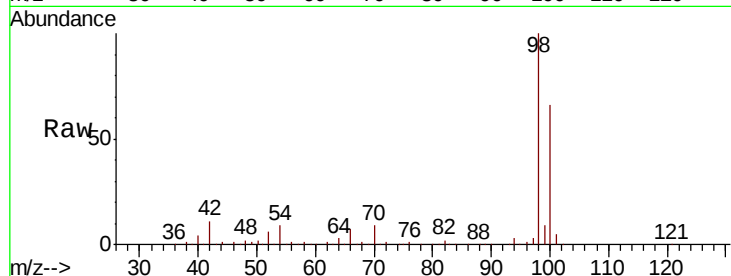
VD1011SBL01

Tot Ion: 98 Resp: 404873

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.927 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

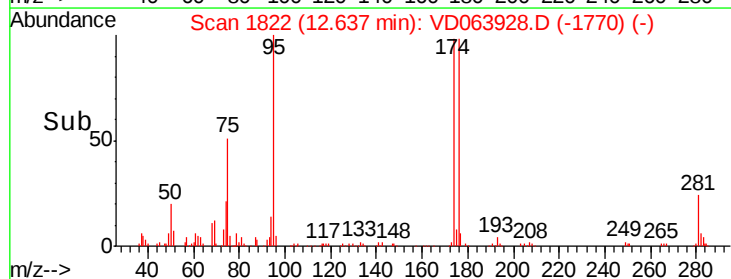
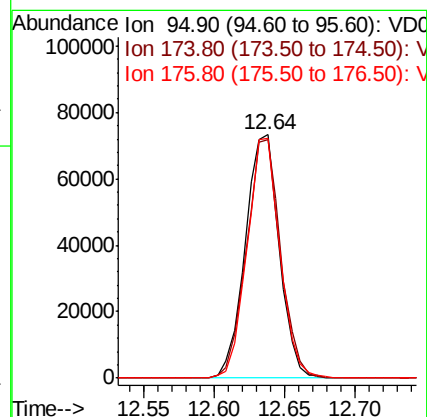
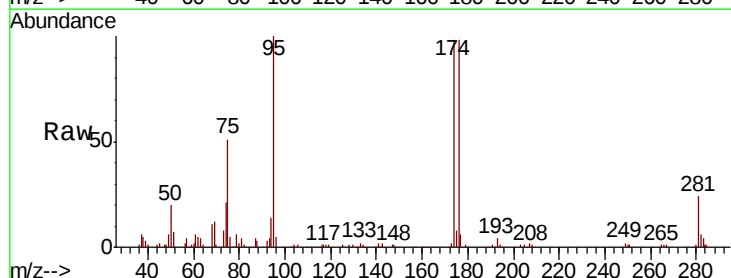
Tgt Ion: 95 Resp: 123310

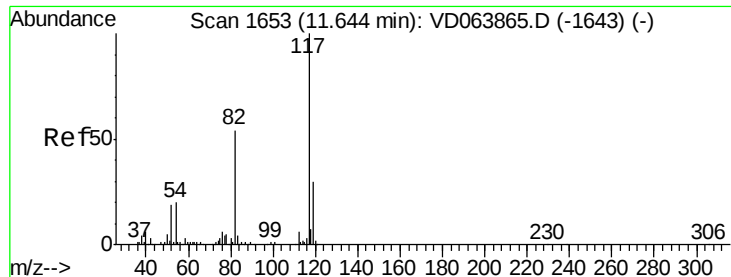
Ion Ratio Lower Upper

95 100

174 98.7 0.0 186.4

176 95.5 0.0 184.2

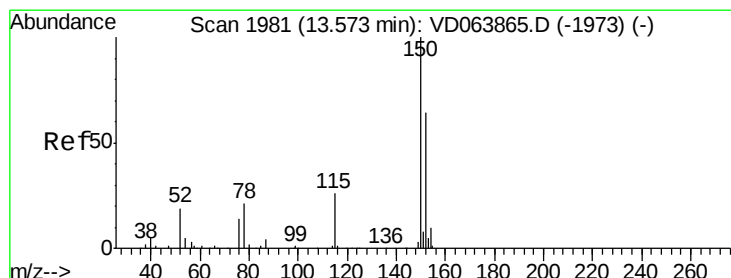
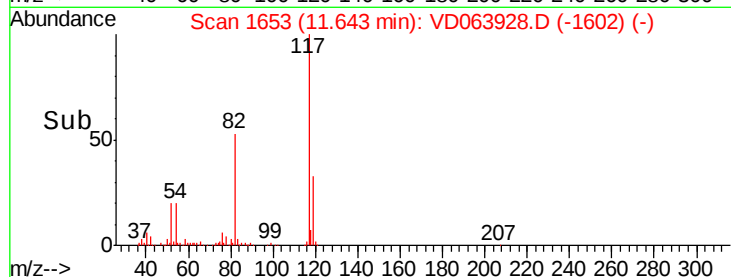
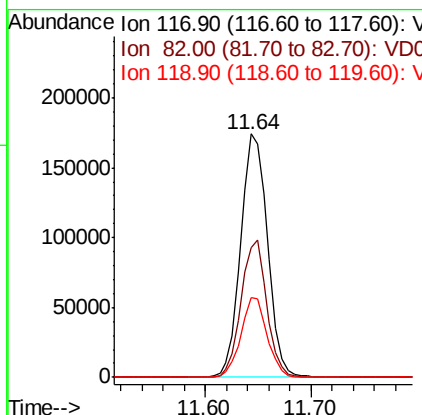
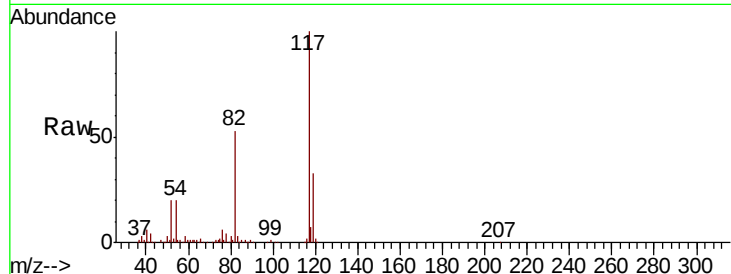




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063928.D
Acq: 11 Oct 2019 10:53

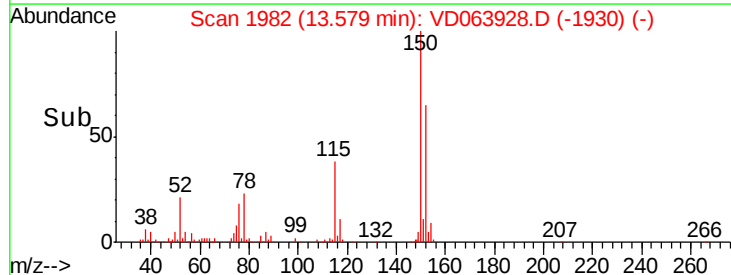
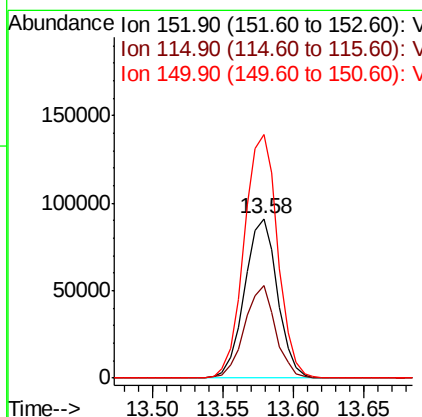
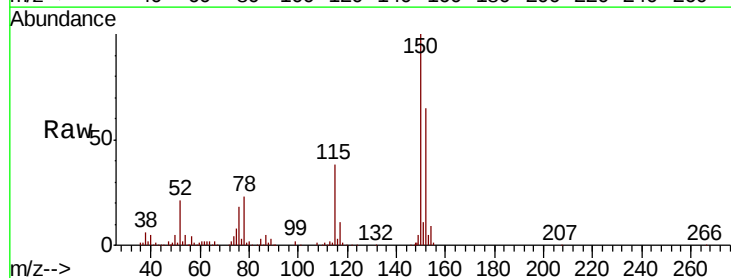
Instrument :
MSVOA_D
ClientSampleId :
VD1011SBL01

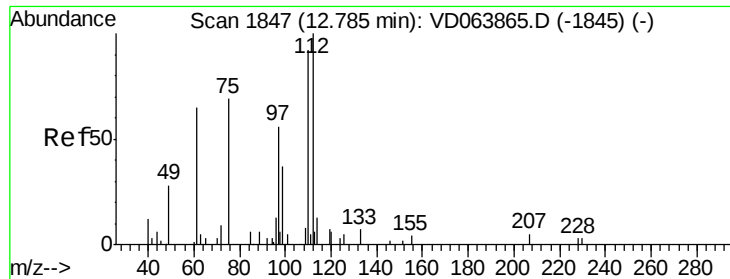
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063928.D
Acq: 11 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	25.9	77.7
150	156.2	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.690 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

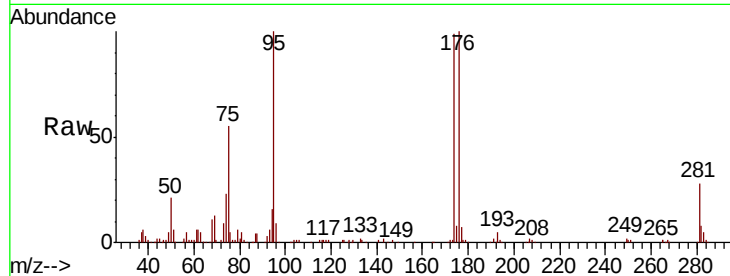
VD1011SBL01

Tot Ion: 75 Resp: 67224

Ion Ratio Lower Upper

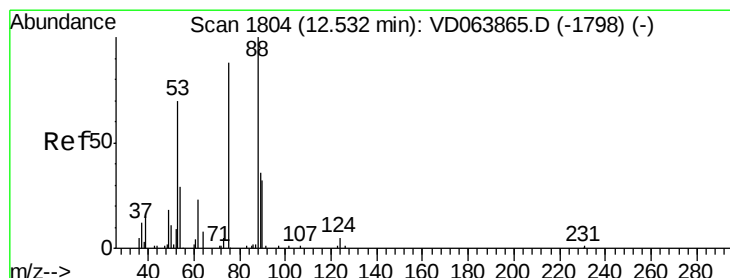
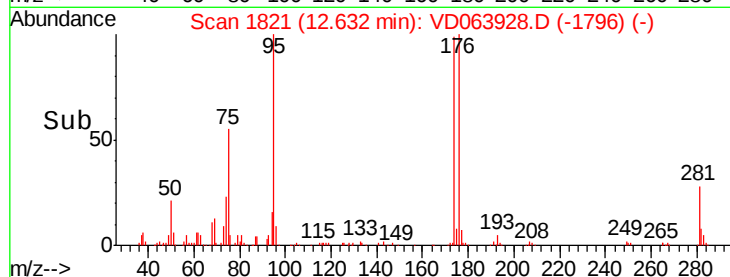
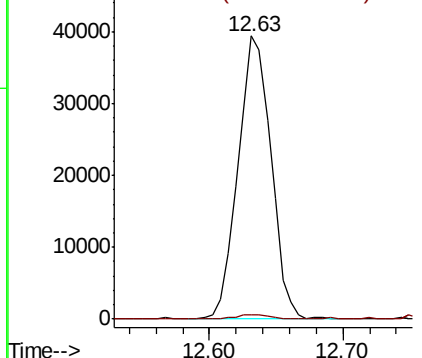
75 100

77 1.6 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: 119.785 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

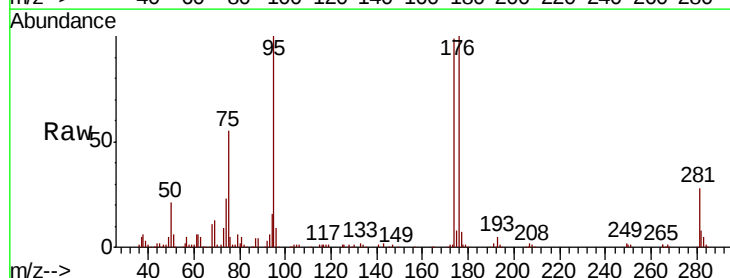
Tgt Ion: 75 Resp: 67224

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

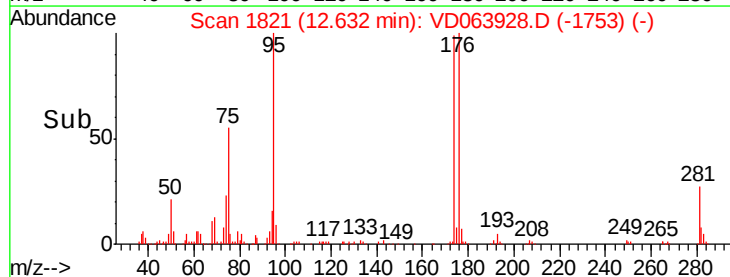
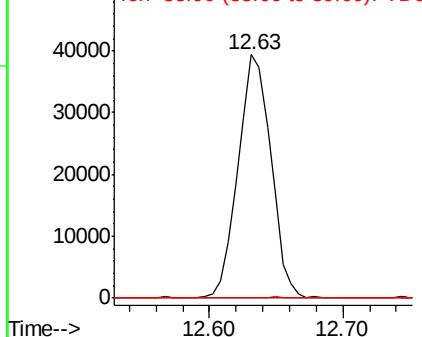
89 0.0 38.2 57.4#

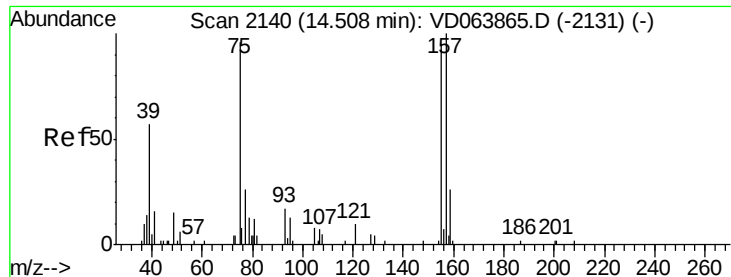


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD063928.D

Acq: 11 Oct 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBL01

Tot Ion: 75 Resp: 285

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

