

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063951.D
 Acq On : 14 Oct 2019 12:59
 Operator : VA/SY
 Sample : VD1014SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 17:06:33 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	160510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	279285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	270745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135188	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	88405	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.91	113	88168	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.34	98	350442	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.63	95	110499	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

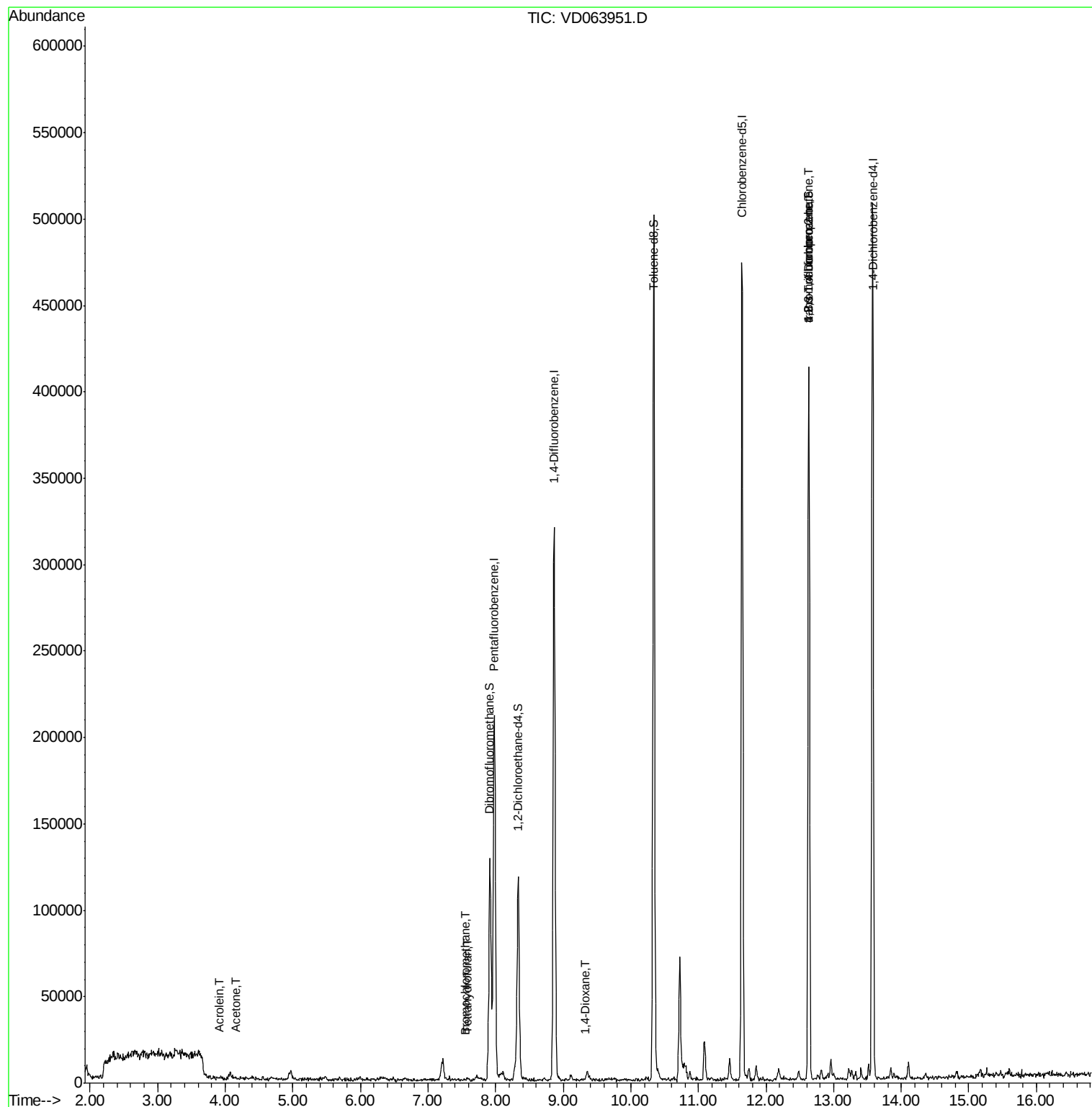
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2235	Below Cal	#	81
11) Tert butyl alcohol	5.23	59	59	Below Cal	#	71
13) Acrolein	3.91	56	142	1.017	ug/l #	17
16) Acetone	4.16	43	663	1.630	ug/l #	42
20) Methylene Chloride	4.97	84	3269	Below Cal	#	63
28) Bromochloromethane	7.56	49	223	2.065	ug/l #	10
29) Tetrahydrofuran	7.58	42	334	1.187	ug/l #	67
31) Cyclohexane	7.98	56	4892	Below Cal	#	44
37) Ethyl Acetate	7.31	43	229	Below Cal	#	11
49) 1,4-Dioxane	9.32	88	57	4.094	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	60449	66.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	60449	118.140	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	141	Below Cal	#	1

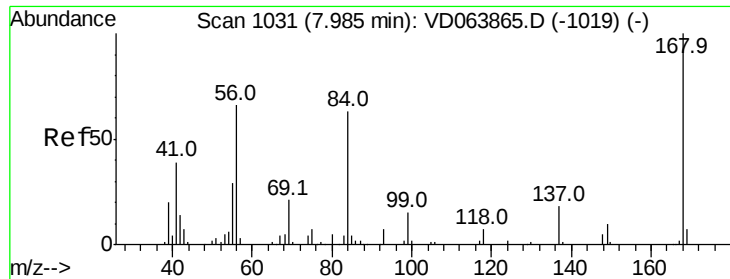
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

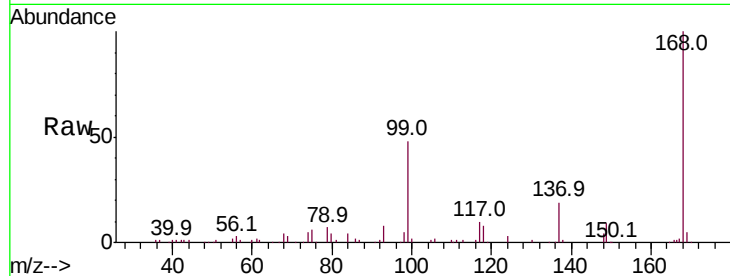
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 160510

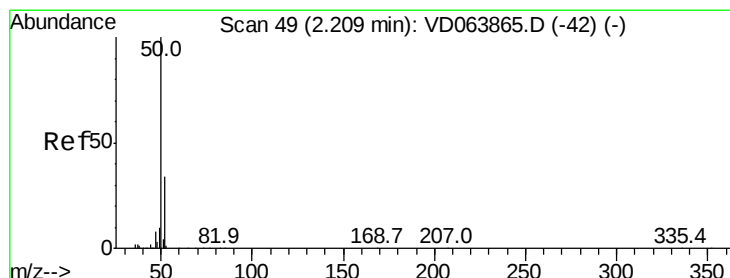
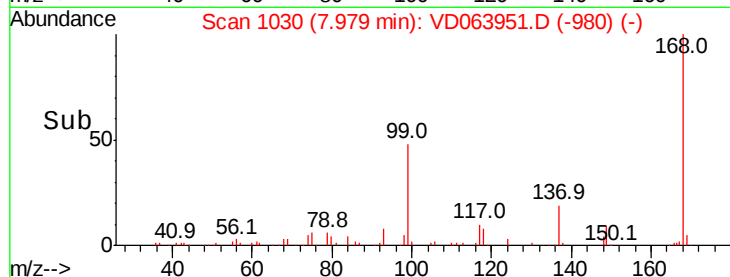
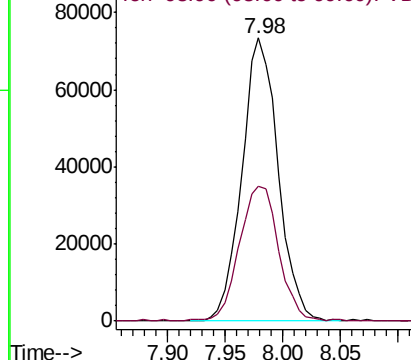
Ion Ratio Lower Upper

168 100

99 47.1 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: VD063951.D

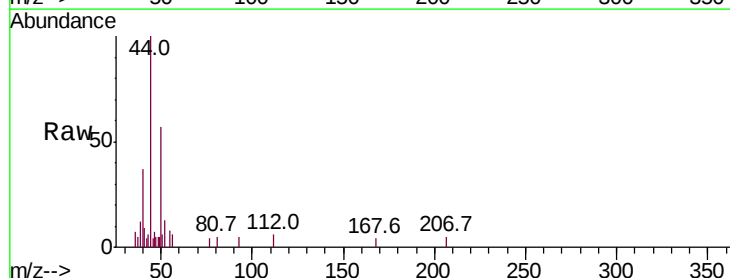
Acq: 14 Oct 2019 12:59

Tgt Ion: 50 Resp: 2235

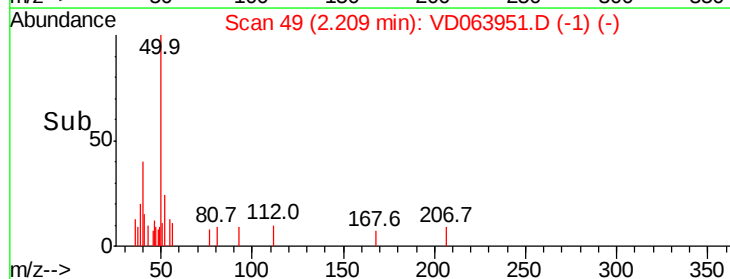
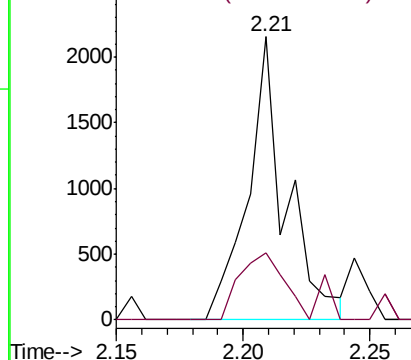
Ion Ratio Lower Upper

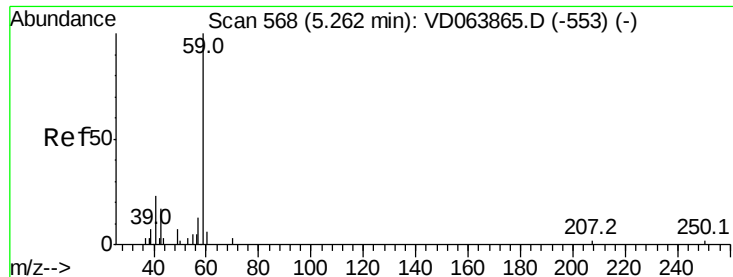
50 100

52 23.6 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



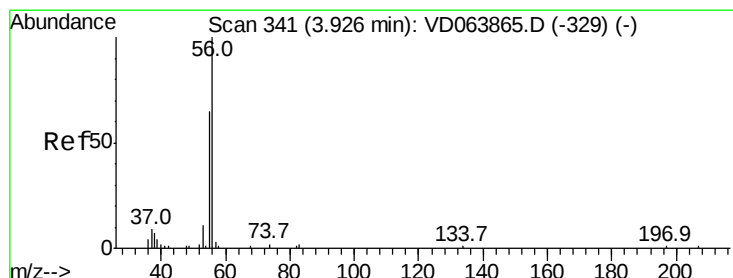
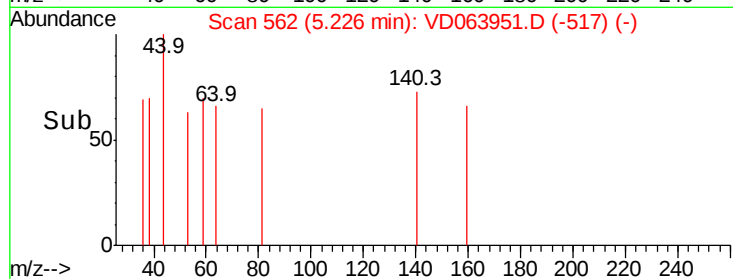
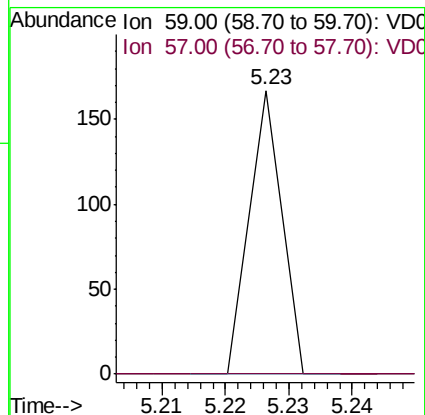
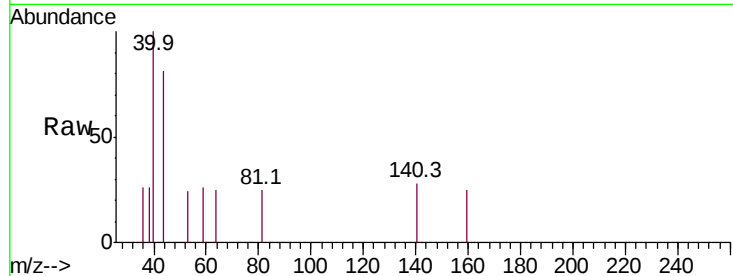


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. -0.03 min
 Lab File: VD063951.D
 Acq: 14 Oct 2019 12:59

Instrument :
 MSVOA_D
 ClientSampled :

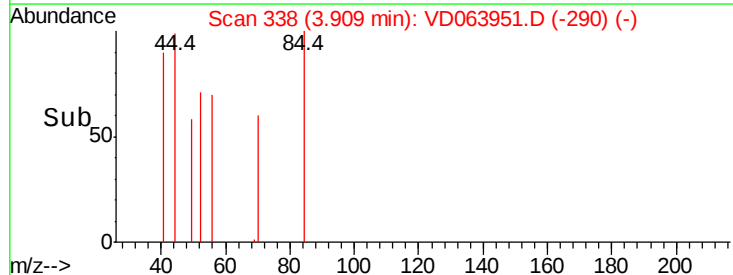
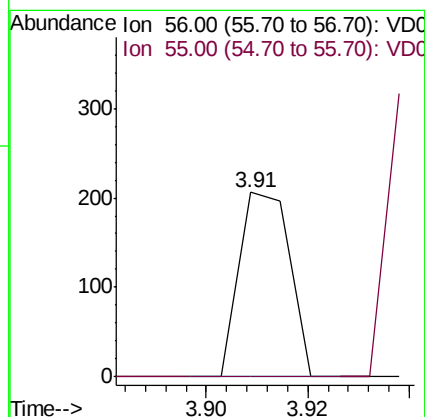
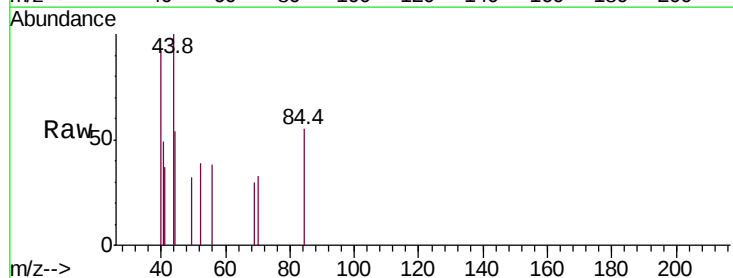
Tot Ion: 59 Resp: 59
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

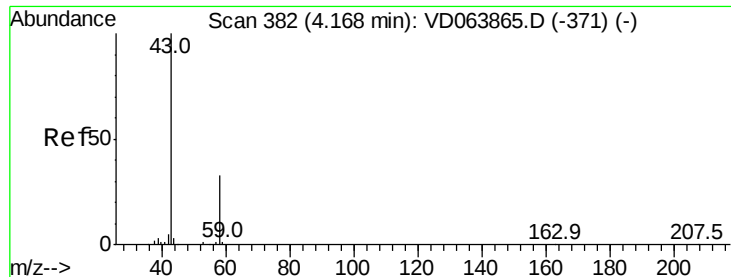


#13

Acrolein
 Concen: 1.017 ug/l
 RT: 3.91 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VD063951.D
 Acq: 14 Oct 2019 12:59

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#16

Acetone

Concen: 1.630 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

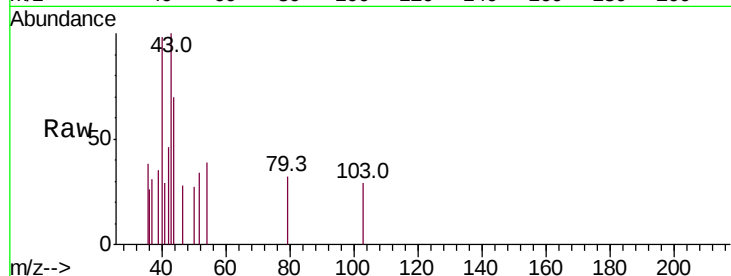
ClientSampleId :

Tot Ion: 43 Resp: 663

Ion Ratio Lower Upper

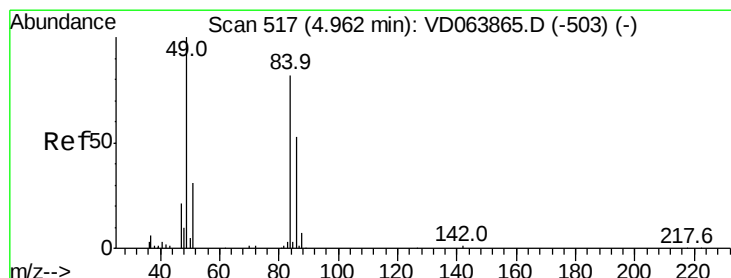
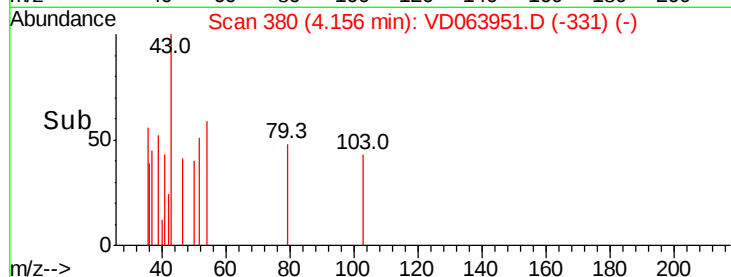
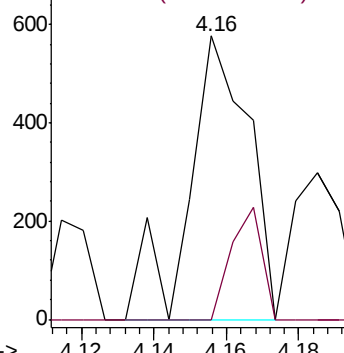
43 100

58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Tgt Ion: 84 Resp: 3269

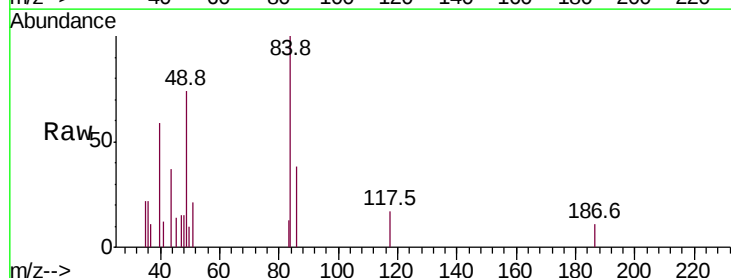
Ion Ratio Lower Upper

84 100

49 73.9 97.3 145.9#

51 21.3 30.1 45.1#

86 38.1 51.4 77.2#

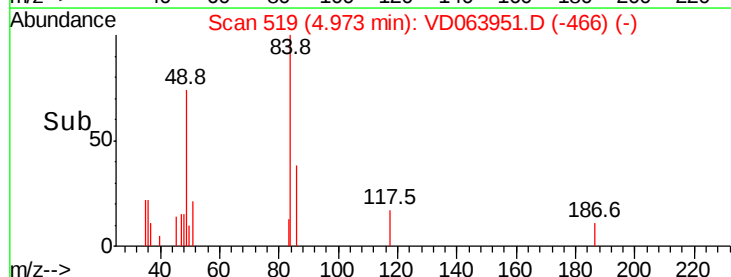
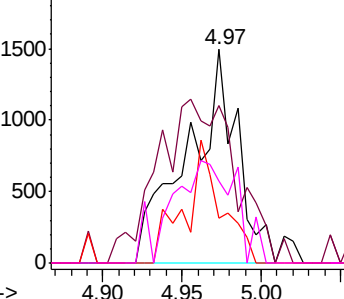


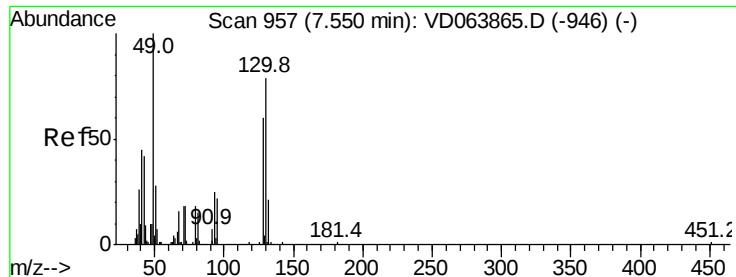
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#28

Bromochloromethane

Concen: 2.065 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

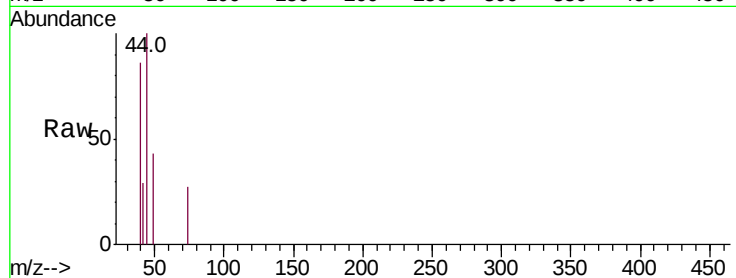
Tot Ion: 49 Resp: 223

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

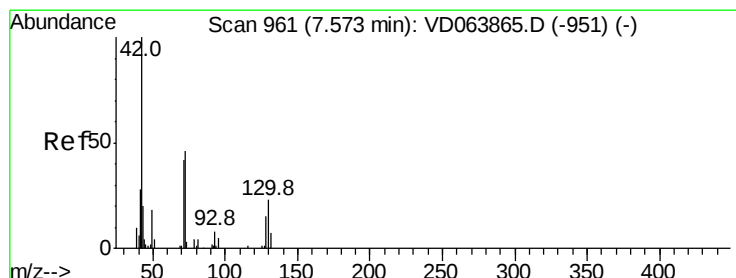
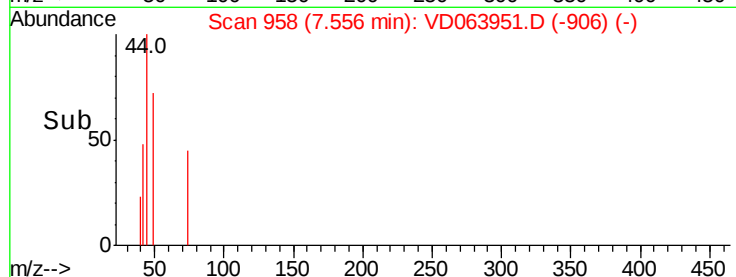
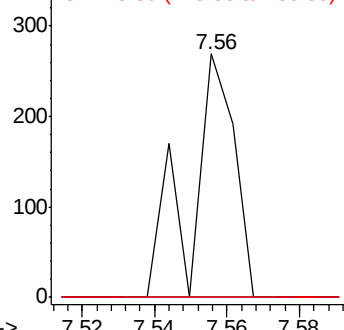
130 0.0 66.8 100.2#



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



#29

Tetrahydrofuran

Concen: 1.187 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

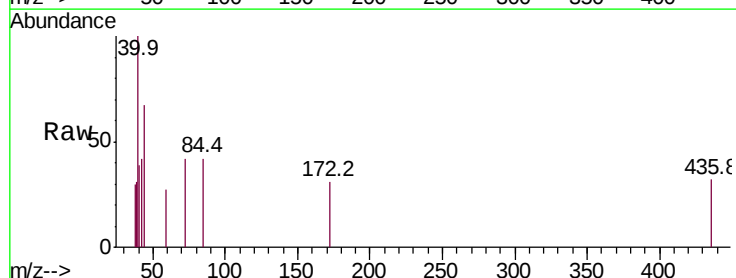
Tgt Ion: 42 Resp: 334

Ion Ratio Lower Upper

42 100

72 47.3 37.6 56.4

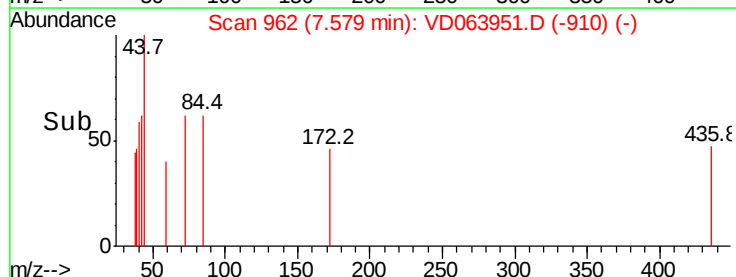
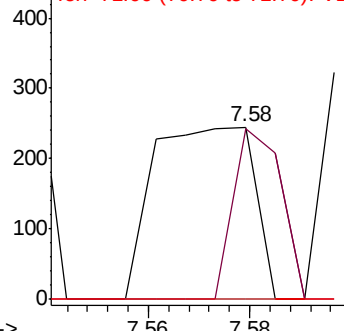
71 0.0 35.0 52.6#

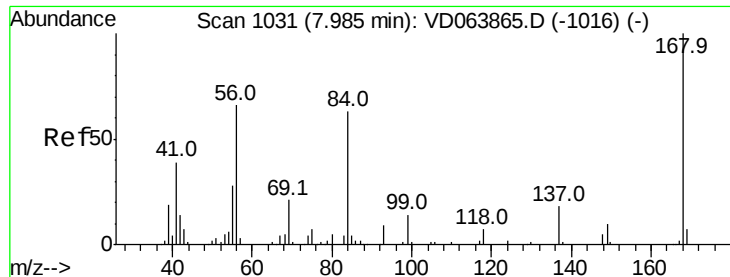


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

ClientSampled :

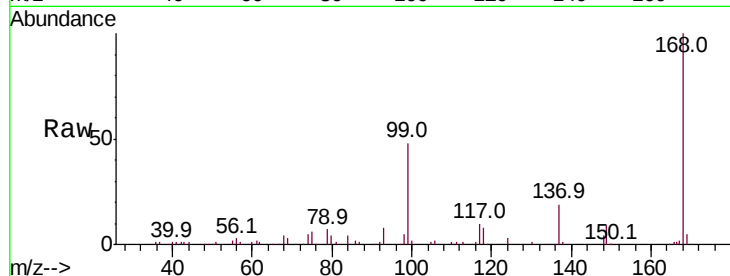
Tot Ion: 56 Resp: 4892

Ion Ratio Lower Upper

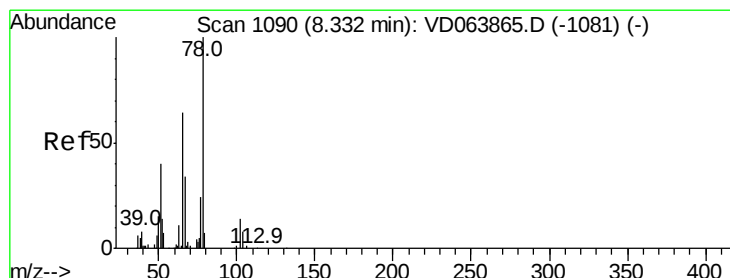
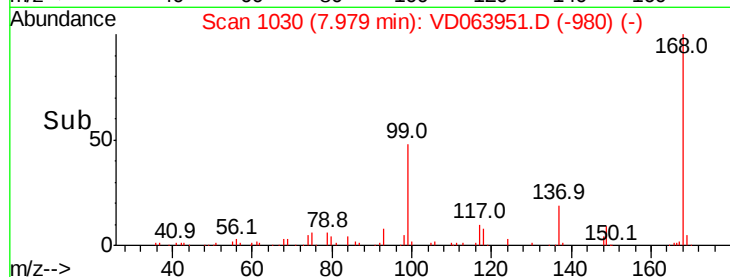
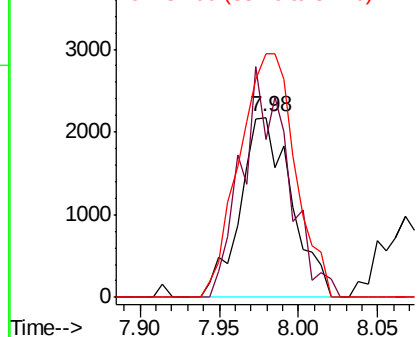
56 100

69 87.7 25.0 37.4#

84 135.3 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: 56.572 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063951.D

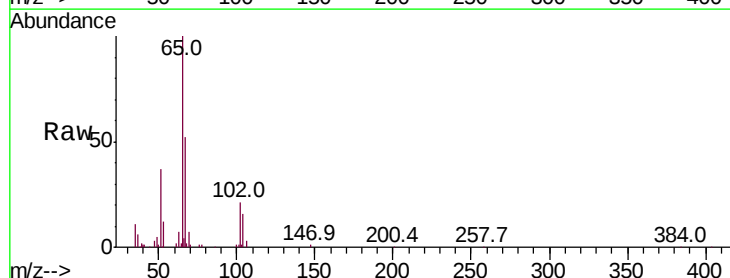
Acq: 14 Oct 2019 12:59

Tgt Ion: 65 Resp: 88405

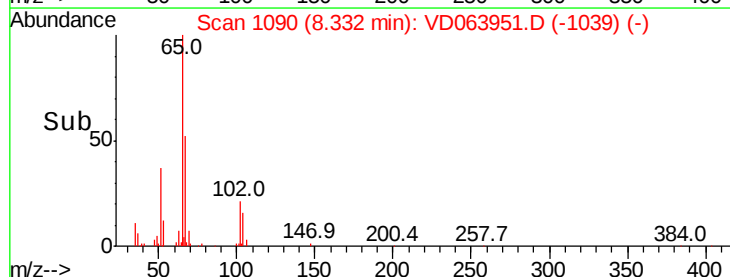
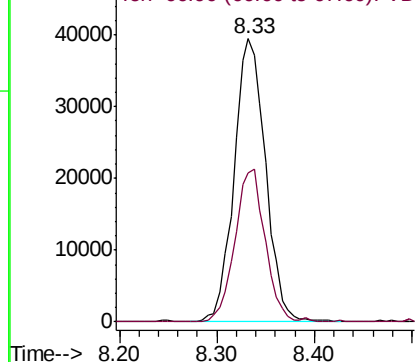
Ion Ratio Lower Upper

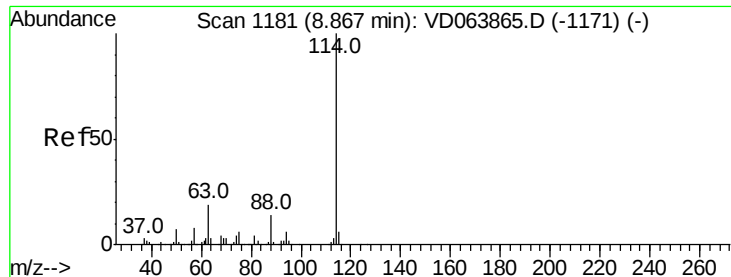
65 100

67 51.6 0.0 106.4



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

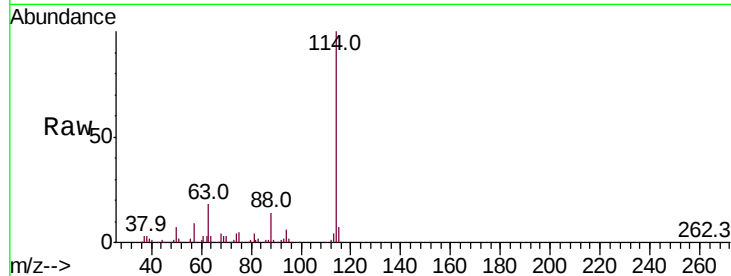




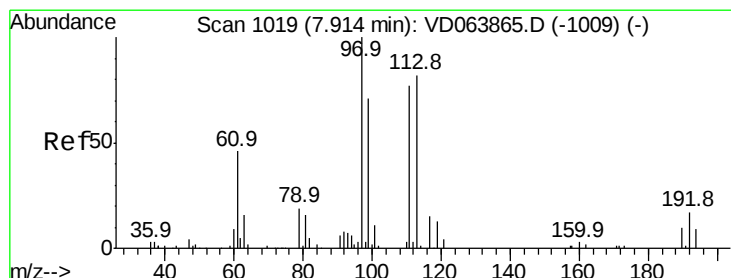
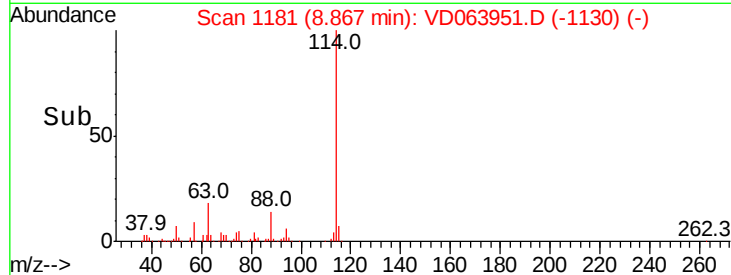
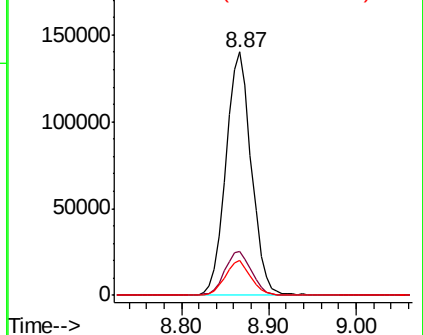
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063951.D
 Acq: 14 Oct 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	14.3	0.0	27.4

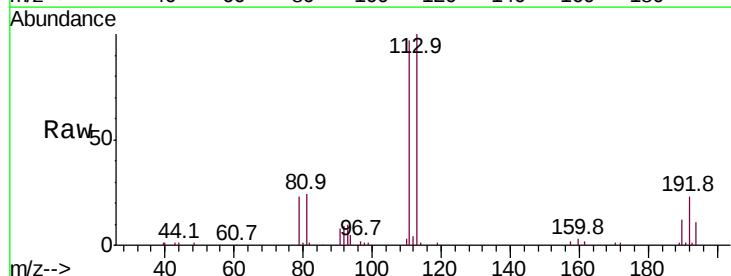


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

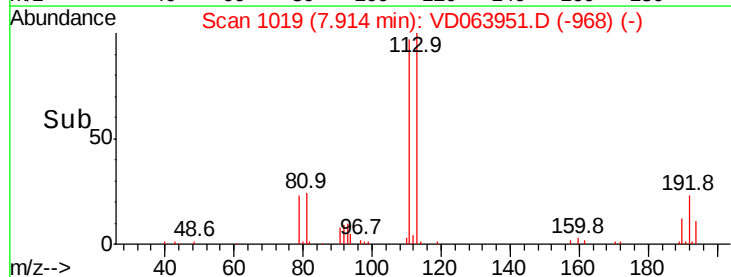
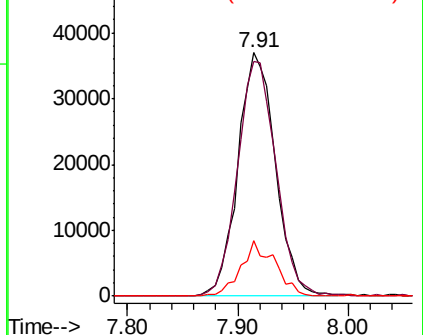


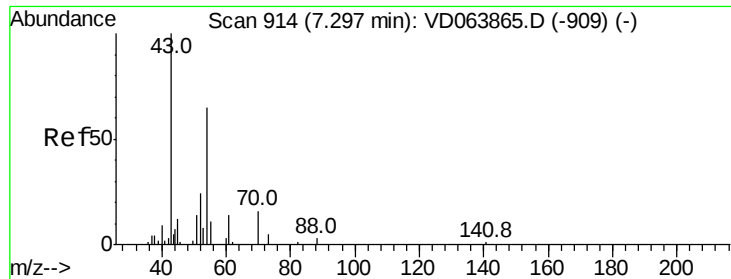
#35
 Dibromofluoromethane
 Concen: 51.657 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063951.D
 Acq: 14 Oct 2019 12:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.6	123.8
192	20.5	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

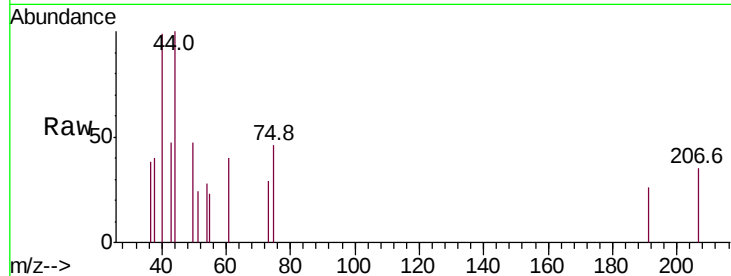




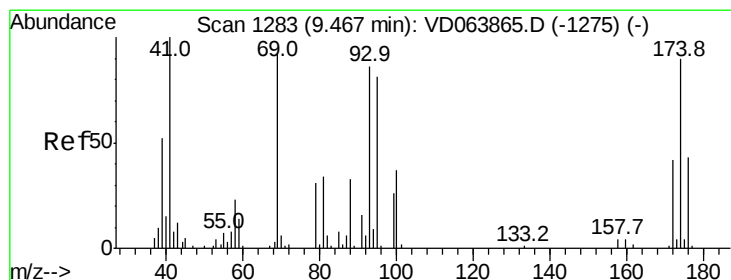
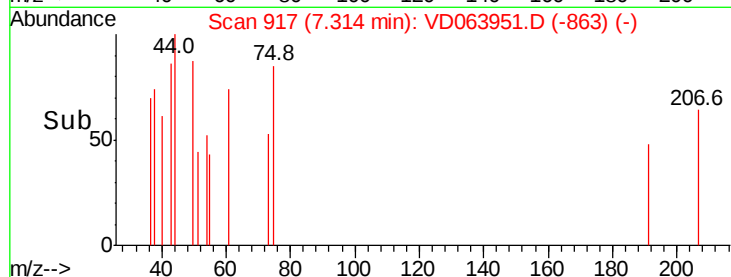
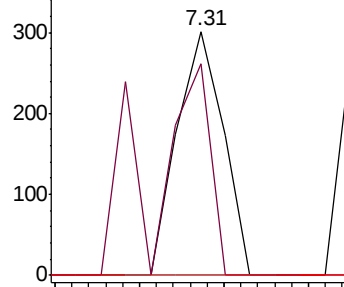
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 917
Delta R.T. 0.02 min
Lab File: VD063951.D
Acq: 14 Oct 2019 12:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
61 69.0 11.5 17.3#
70 0.0 8.2 12.4#

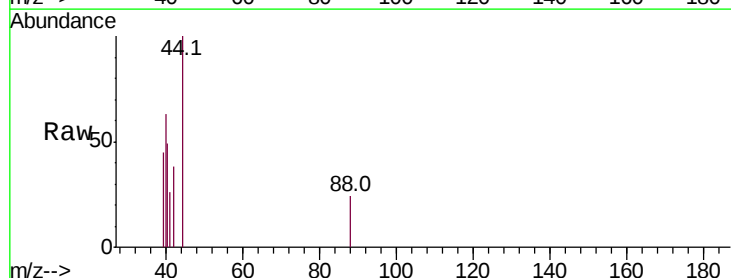


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

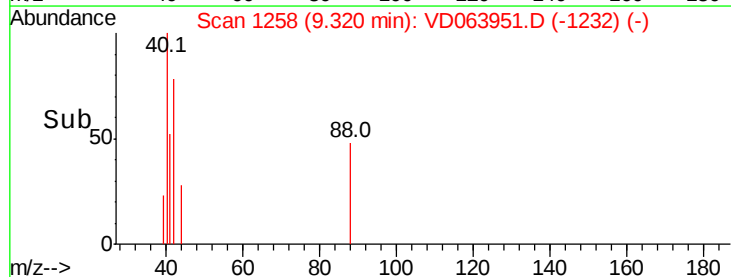
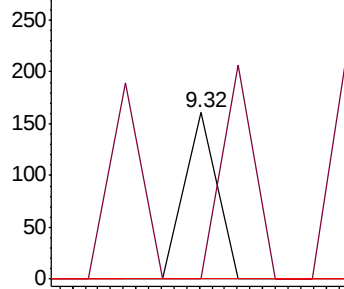


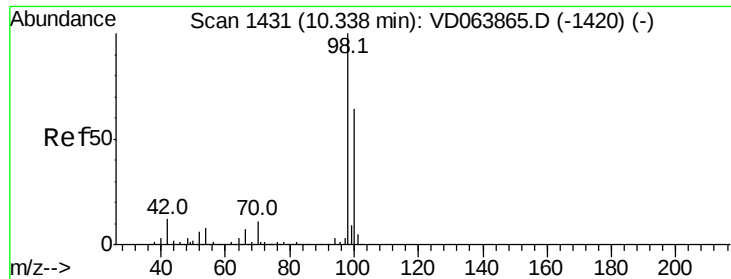
#49
1,4-Dioxane
Concen: 4.094 ug/l
RT: 9.32 min Scan# 1258
Delta R.T. -0.15 min
Lab File: VD063951.D
Acq: 14 Oct 2019 12:59

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 128.1 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: 50.586 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

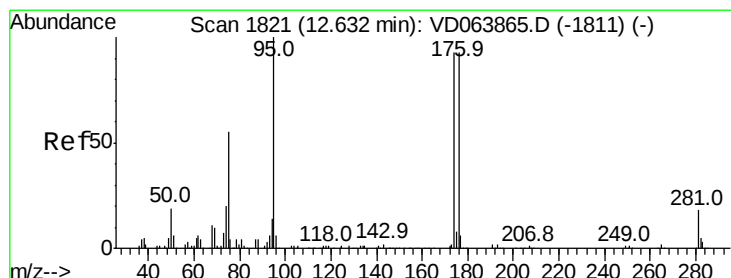
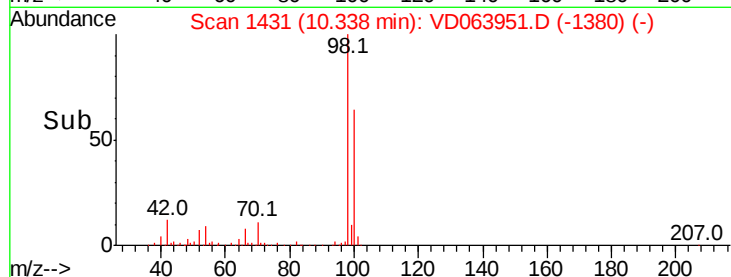
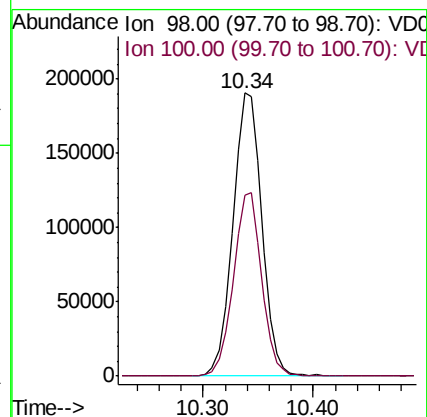
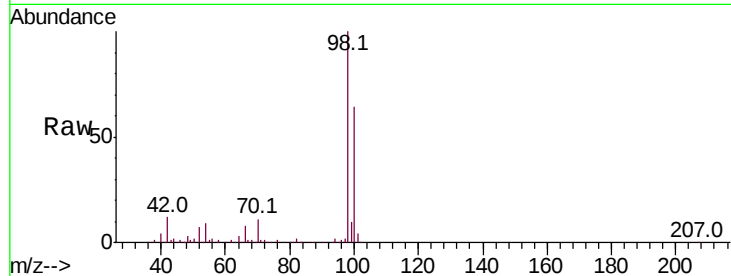
ClientSampleId :

Tot Ion: 98 Resp: 350442

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.901 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

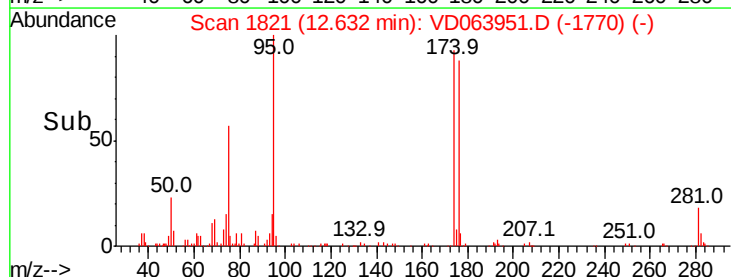
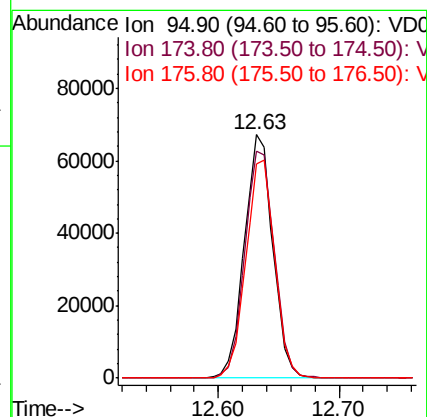
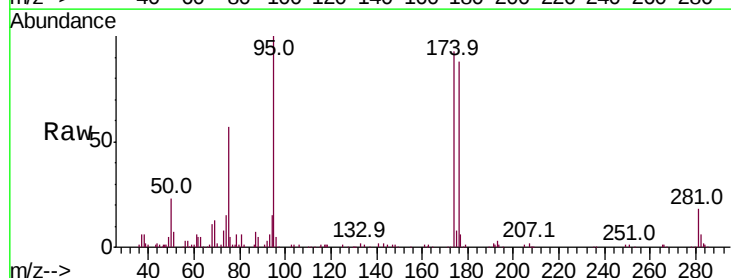
Tgt Ion: 95 Resp: 110499

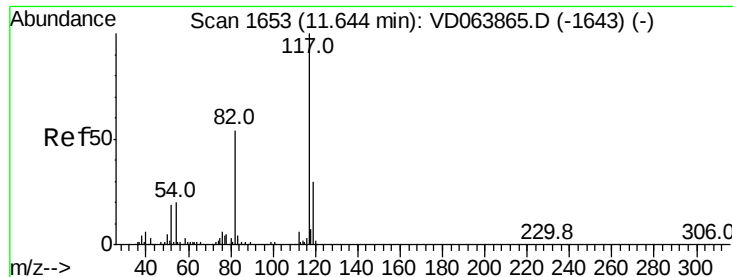
Ion Ratio Lower Upper

95 100

174 96.9 0.0 186.4

176 90.5 0.0 184.2

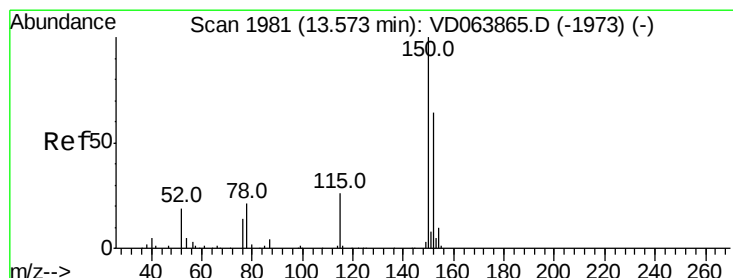
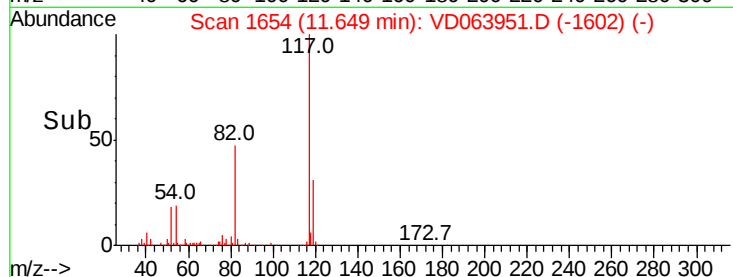
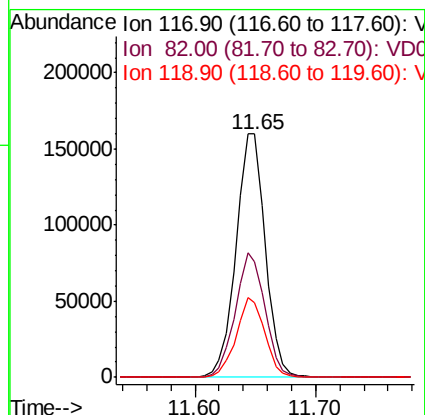
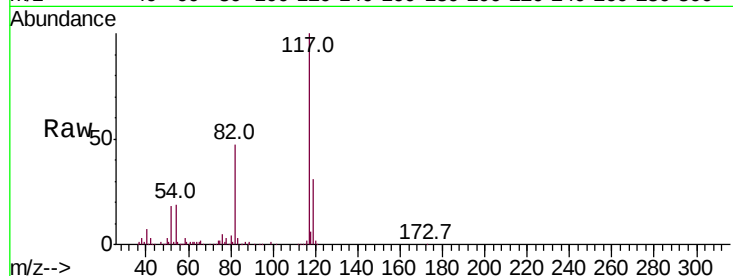




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063951.D
Acq: 14 Oct 2019 12:59

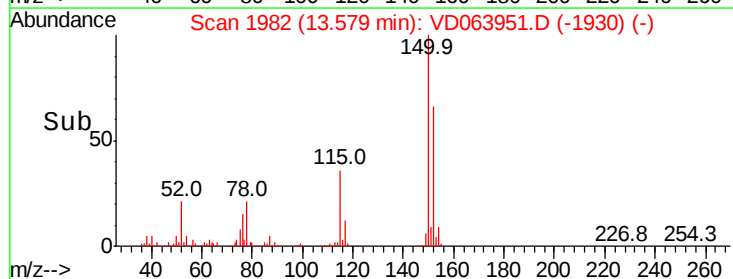
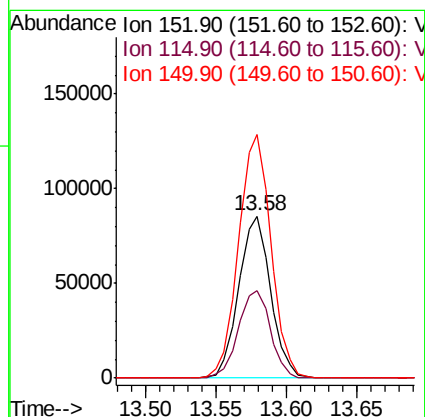
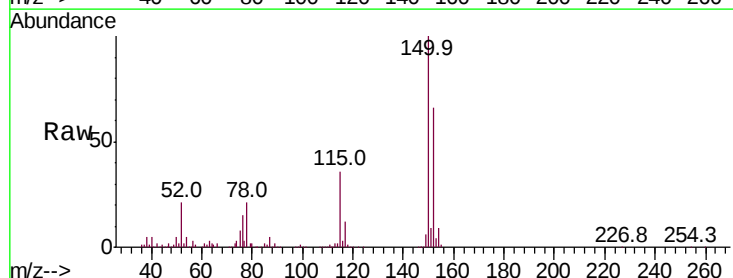
Instrument :
MSVOA_D
ClientSampleId :

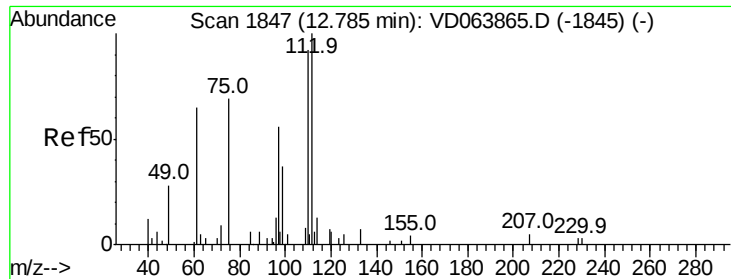
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	42.8	64.2
119	30.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063951.D
Acq: 14 Oct 2019 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	25.9	77.7
150	152.6	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 66.761 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

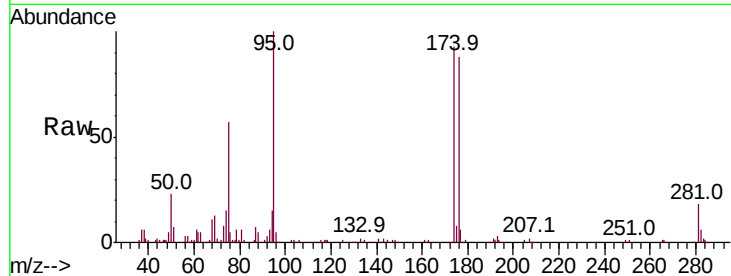
ClientSampleId :

Tot Ion: 75 Resp: 60449

Ion Ratio Lower Upper

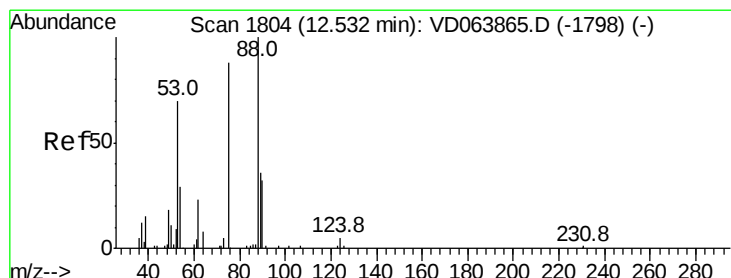
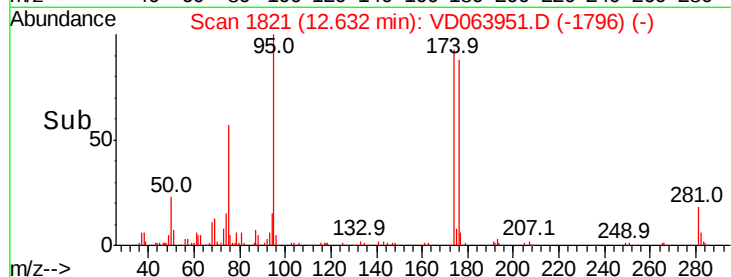
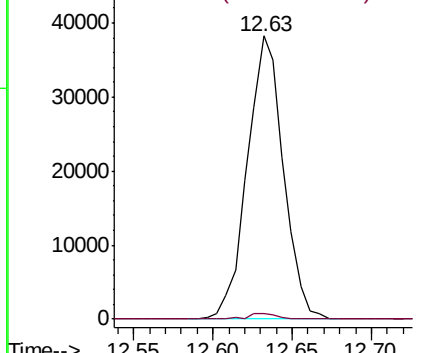
75 100

77 1.4 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: 118.140 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

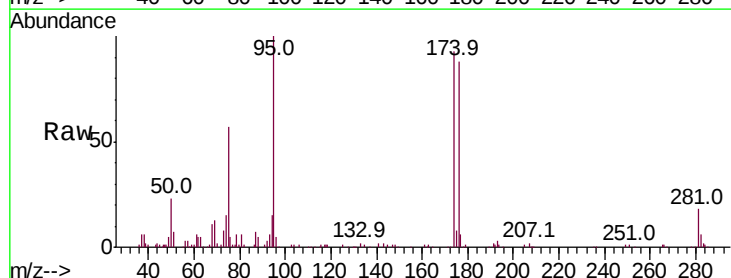
Tgt Ion: 75 Resp: 60449

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

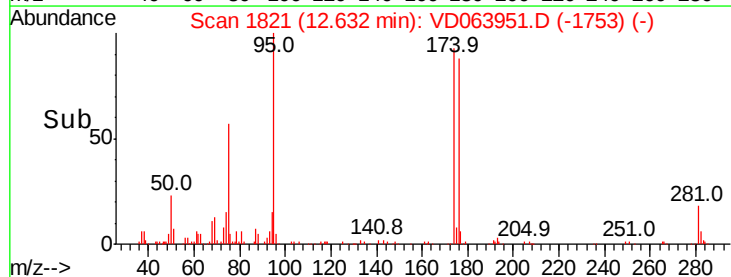
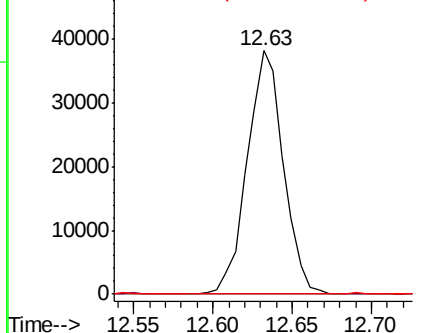
89 0.0 38.2 57.4#

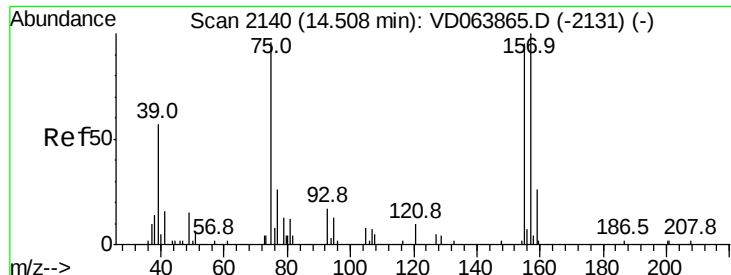


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063951.D

Acq: 14 Oct 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

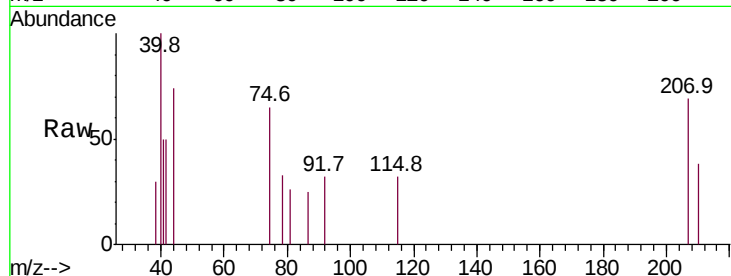
Tot Ion: 75 Resp: 141

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

