

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063960.D
 Acq On : 14 Oct 2019 17:20
 Operator : VA/SY
 Sample : K5357-01
 Misc : 6.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 18:08:21 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	130116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	239051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	245054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	119658	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	78746	62.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.32%	
35) Dibromofluoromethane	7.92	113	75268	51.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.04%	
50) Toluene-d8	10.34	98	320563	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.64	95	97996	47.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.12%	

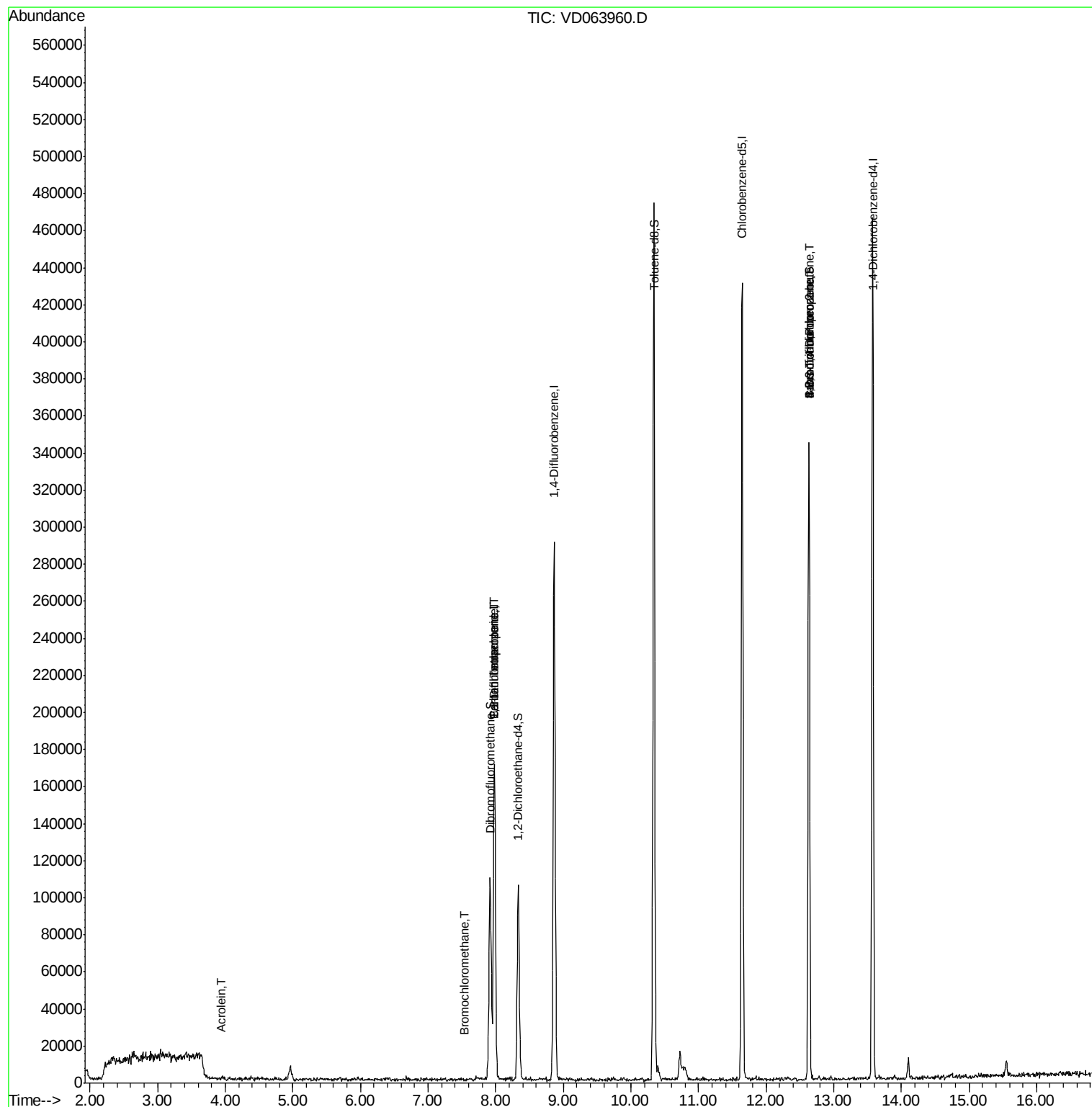
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	500	Below Cal	#	60
11) Tert butyl alcohol	5.24	59	71	Below Cal	#	71
13) Acrolein	3.95	56	114	1.008	ug/l #	17
28) Bromochloromethane	7.54	49	57	1.927	ug/l #	10
31) Cyclohexane	7.98	56	3350	Below Cal	#	46
36) 1,1-Dichloropropene	7.98	75	10079	4.611	ug/l #	46
37) Ethyl Acetate	7.31	43	127	Below Cal	#	42
38) Carbon Tetrachloride	7.98	117	12642	5.724	ug/l #	20
71) Bromoform	12.63	173	1763	1.812	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	52562	65.585	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	52562	116.059	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	146	Below Cal	#	1

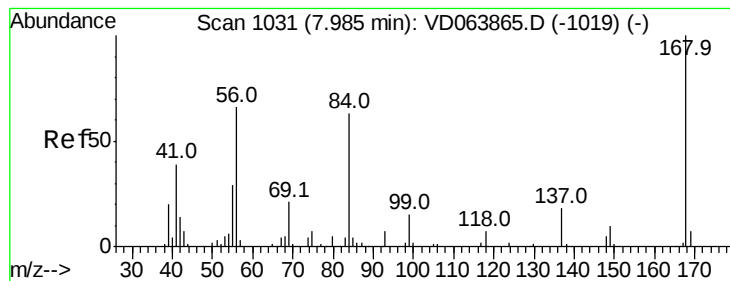
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
Data File : VD063960.D
Acq On : 14 Oct 2019 17:20
Operator : VA/SY
Sample : K5357-01
Misc : 6.44G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 14 18:08:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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: VD063960.D

Acq: 14 Oct 2019 17:20

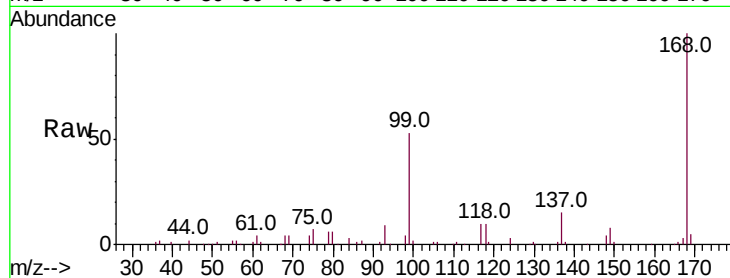
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 130116

Ion Ratio Lower Upper

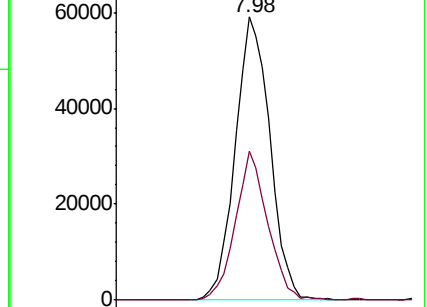
168 100

99 52.7 43.0 64.4

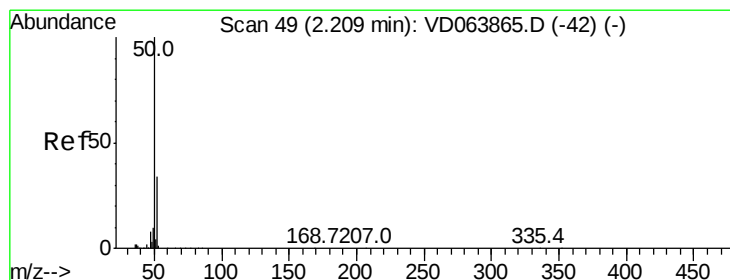
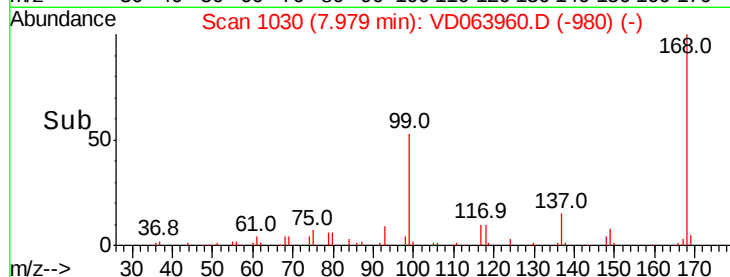


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063960.D

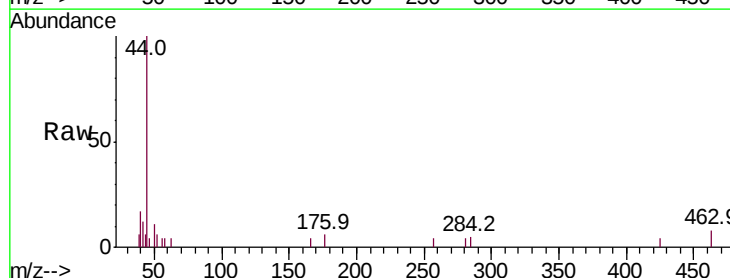
Acq: 14 Oct 2019 17:20

Tgt Ion: 50 Resp: 500

Ion Ratio Lower Upper

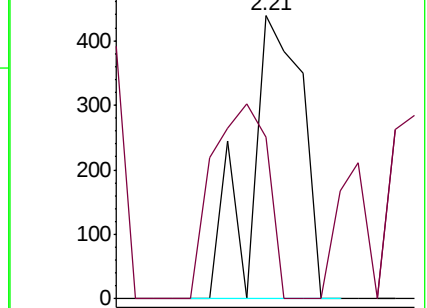
50 100

52 57.3 27.5 41.3#

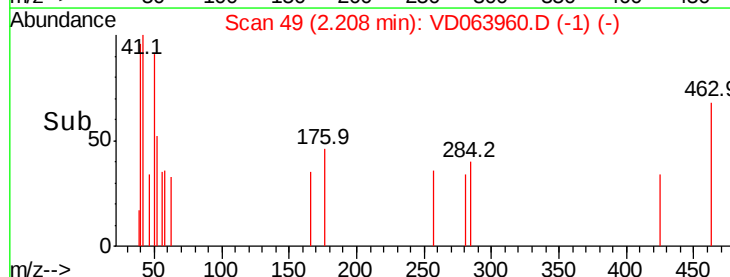


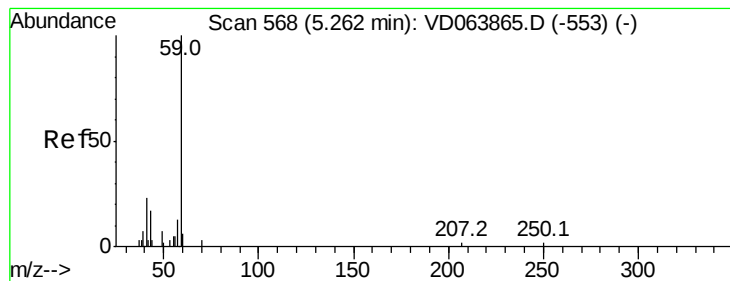
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



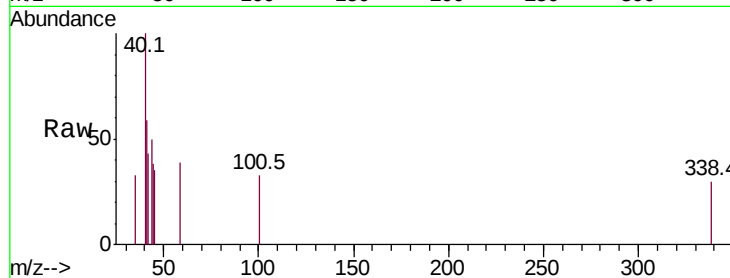


#11

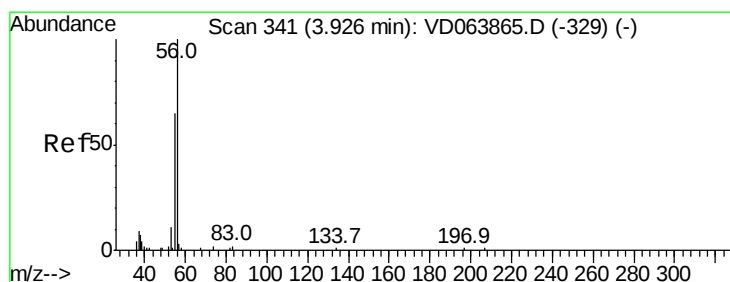
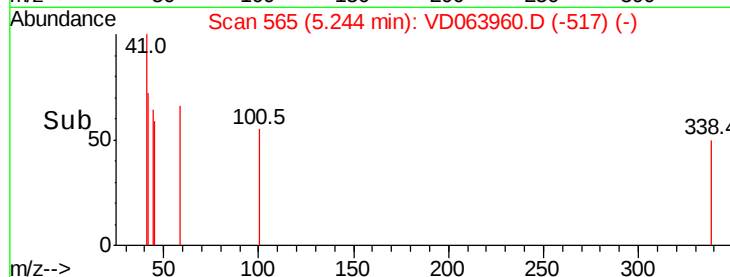
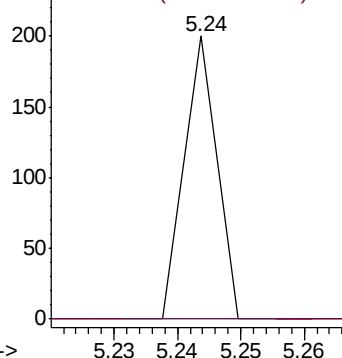
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063960.D
 Acq: 14 Oct 2019 17:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



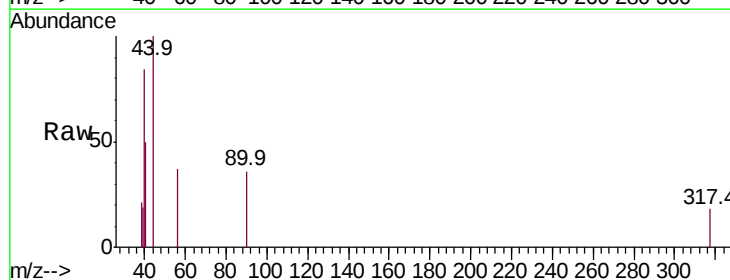
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



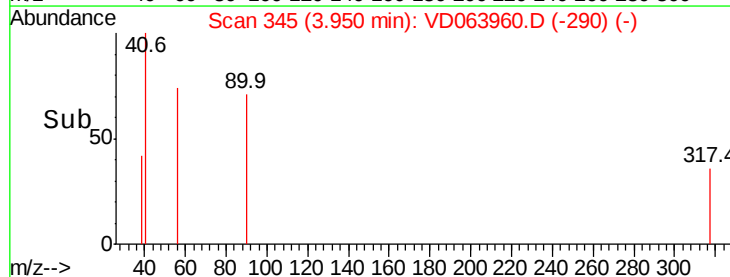
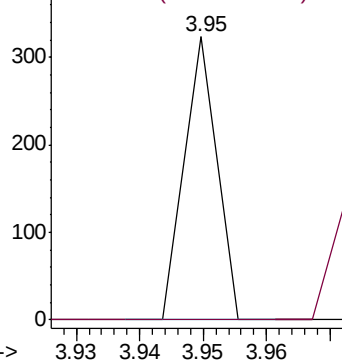
#13

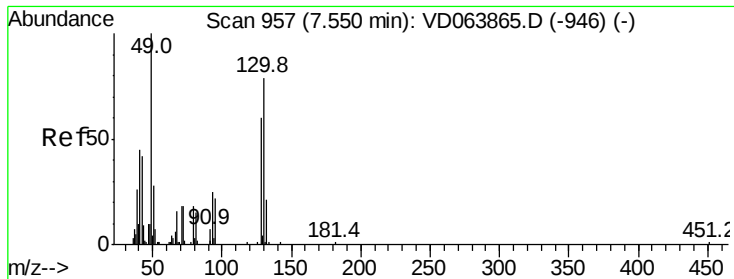
Acrolein
 Concen: 1.008 ug/l
 RT: 3.95 min Scan# 345
 Delta R.T. 0.02 min
 Lab File: VD063960.D
 Acq: 14 Oct 2019 17:20

Tgt Ion: 56 Resp: 114
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#28

Bromochloromethane

Concen: 1.927 ug/l

RT: 7.54 min Scan# 956

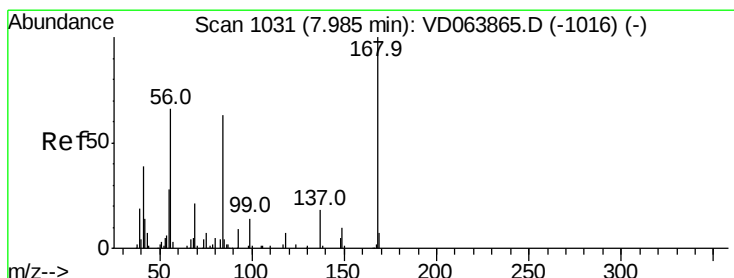
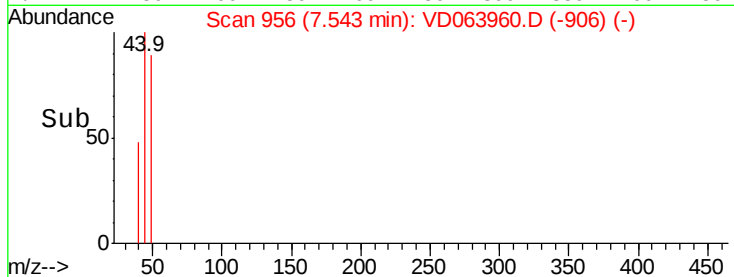
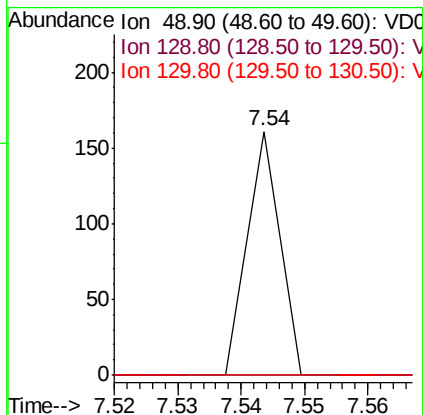
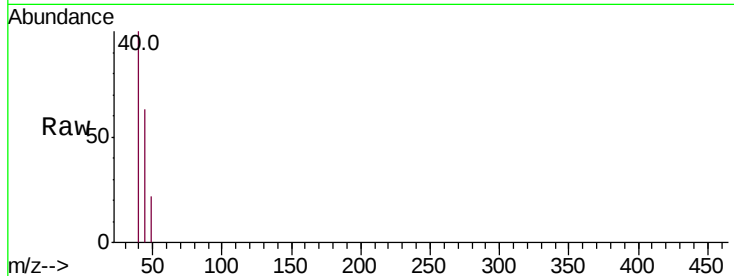
Delta R.T. -0.01 min

Lab File: VD063960.D

Acq: 14 Oct 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	49	Resp:	57
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

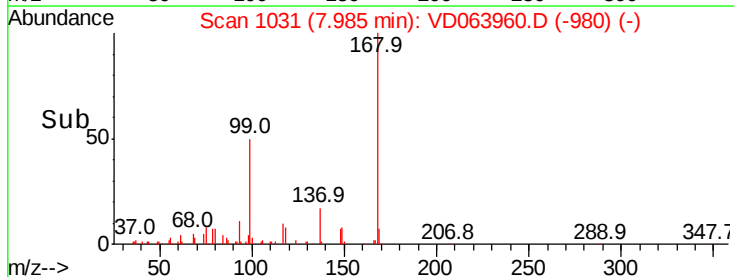
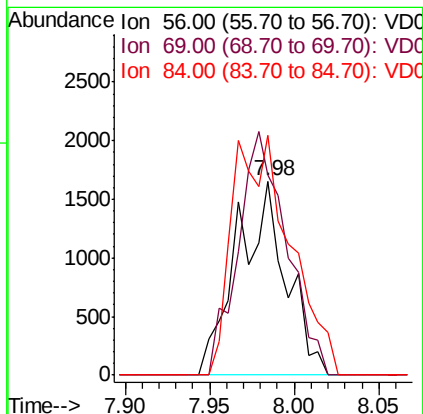
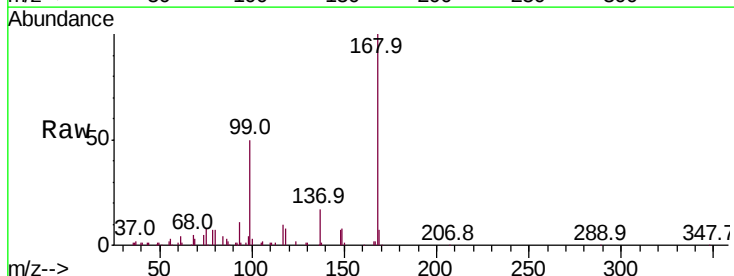
RT: 7.98 min Scan# 1031

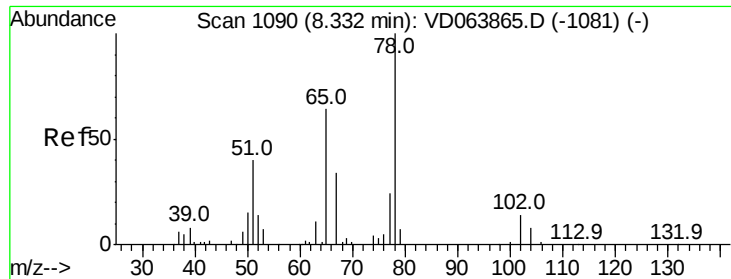
Delta R.T. -0.00 min

Lab File: VD063960.D

Acq: 14 Oct 2019 17:20

Tgt Ion:	56	Resp:	3350
Ion	Ratio	Lower	Upper
56	100		
69	103.3	25.0	37.4#
84	123.8	76.3	114.5#





#33

1,2-Dichloroethane-d4

Concen: 62.162 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063960.D

Acq: 14 Oct 2019 17:20

Instrument :

MSVOA_D

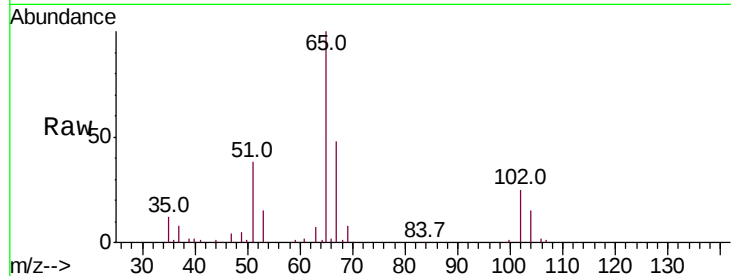
ClientSampleId :

Tot Ion: 65 Resp: 78746

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

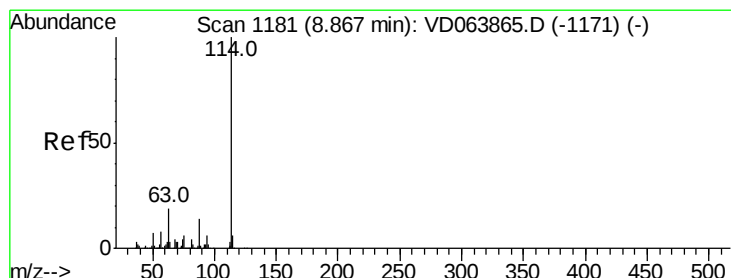
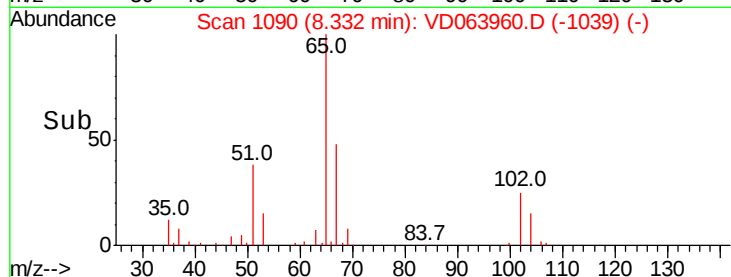
20000

10000

0

8.30 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: VD063960.D

Acq: 14 Oct 2019 17:20

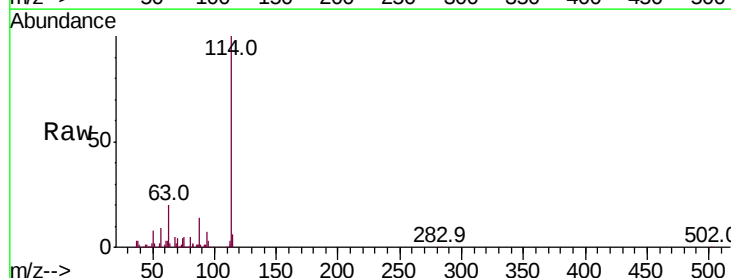
Tgt Ion: 114 Resp: 239051

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

88 13.9 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

150000

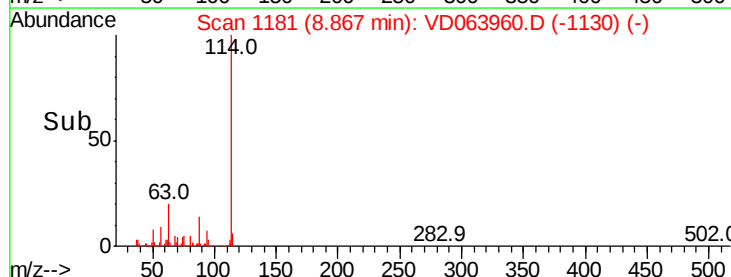
100000

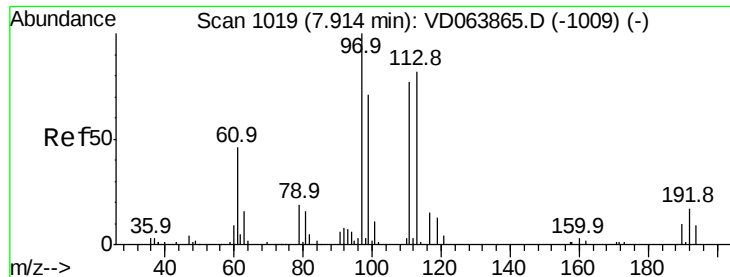
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

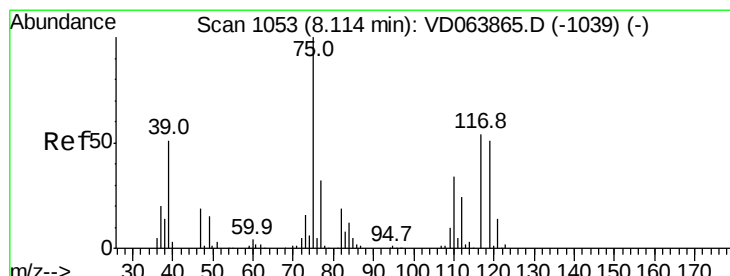
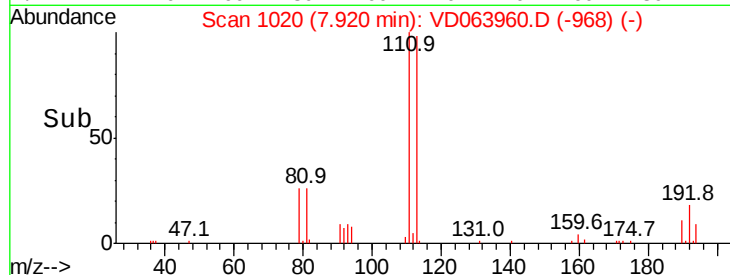
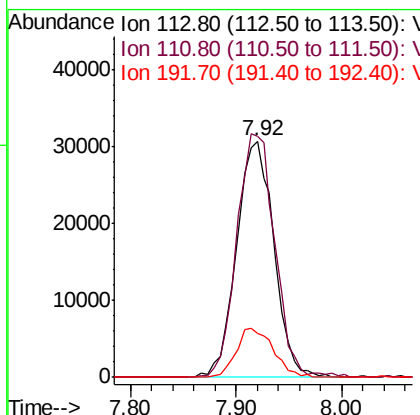
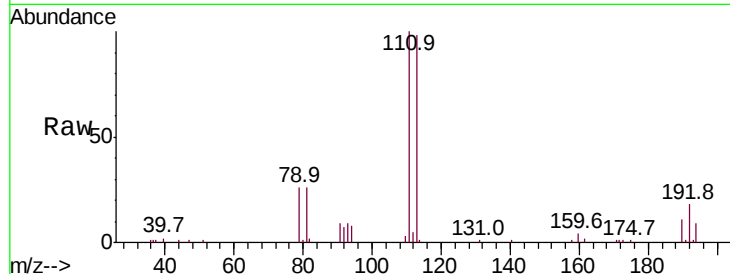




#35
Dibromofluoromethane
Concen: 51.521 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

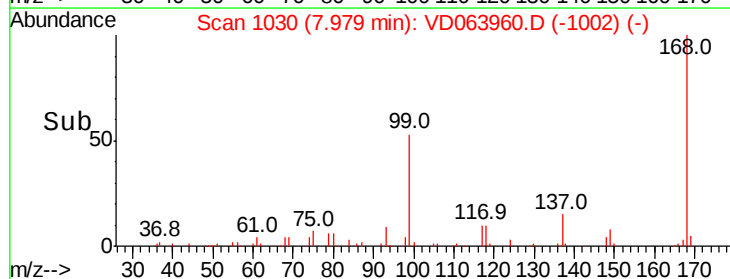
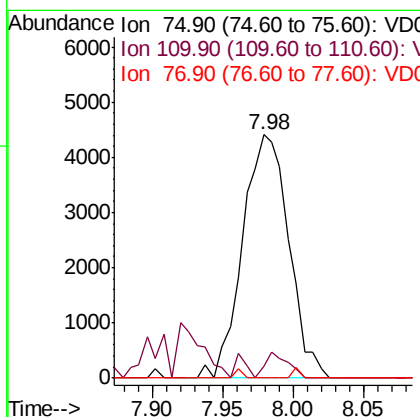
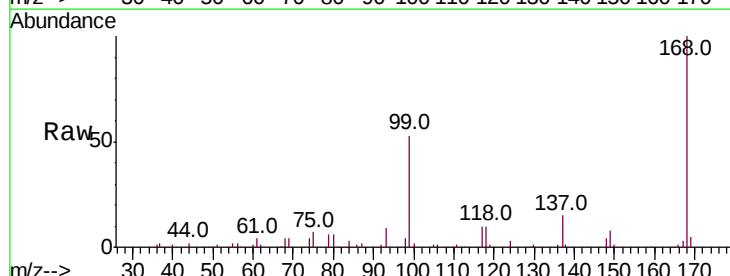
Instrument :
MSVOA_D
ClientSampleId :

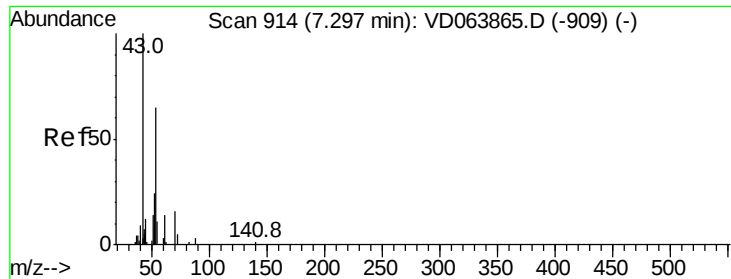
Tot Ion:113 Resp: 75268
Ion Ratio Lower Upper
113 100
111 105.1 82.6 123.8
192 20.5 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

Tgt Ion: 75 Resp: 10079
Ion Ratio Lower Upper
75 100
110 5.2 17.4 52.3#
77 0.0 25.4 38.0#

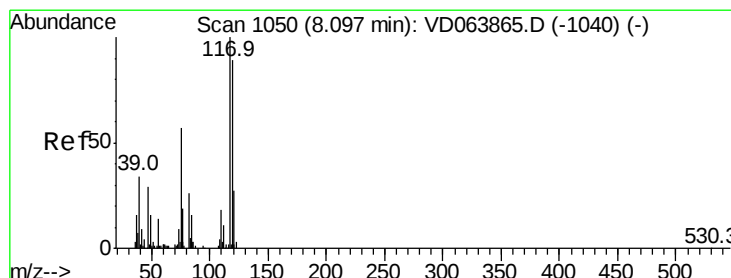
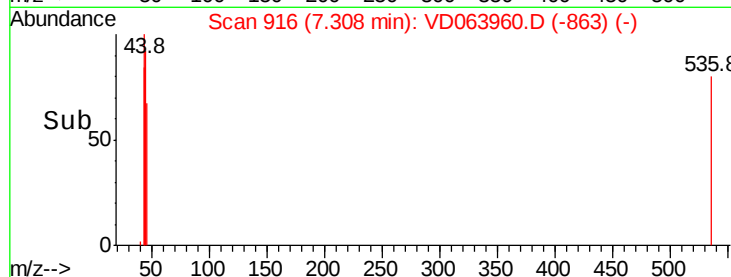
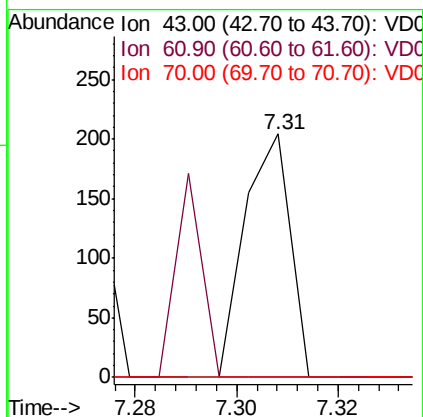
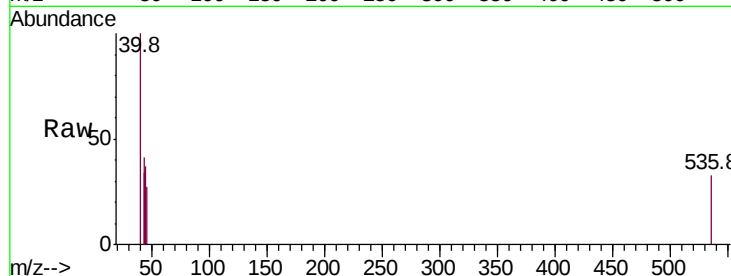




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

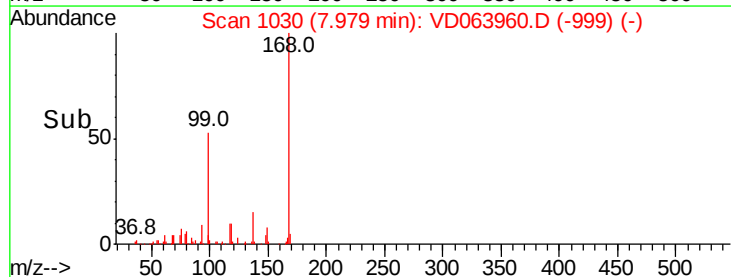
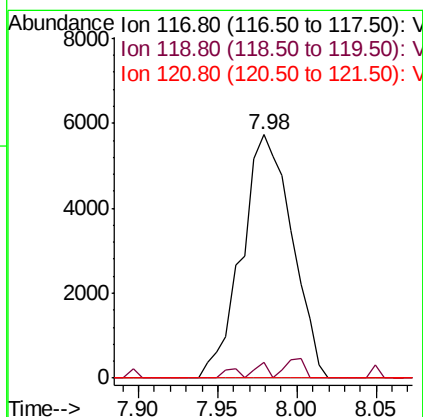
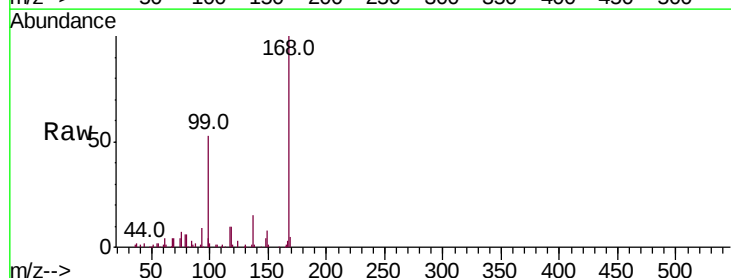
Instrument :
MSVOA_D
ClientSampled :

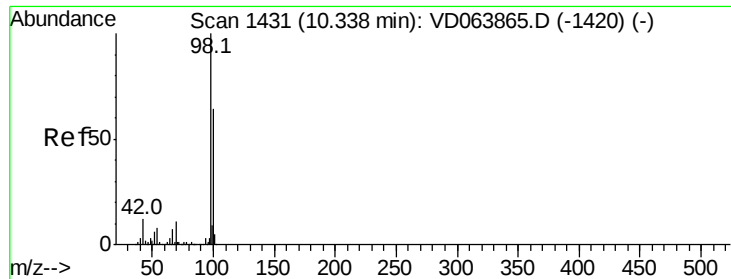
Tot Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
61 47.2 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

Tgt Ion: 117 Resp: 12642
Ion Ratio Lower Upper
117 100
119 6.2 70.8 106.2#
121 0.0 21.4 32.0#

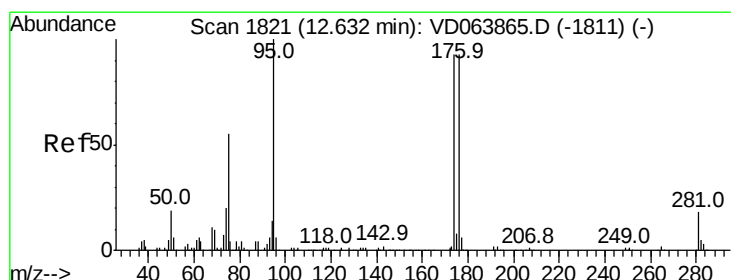
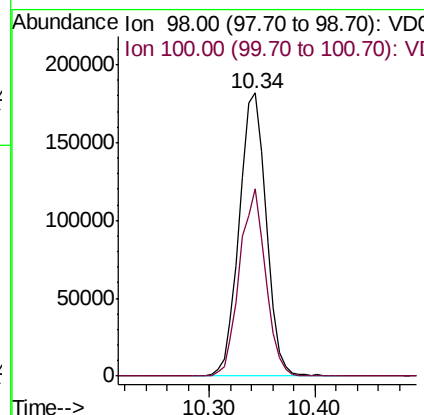
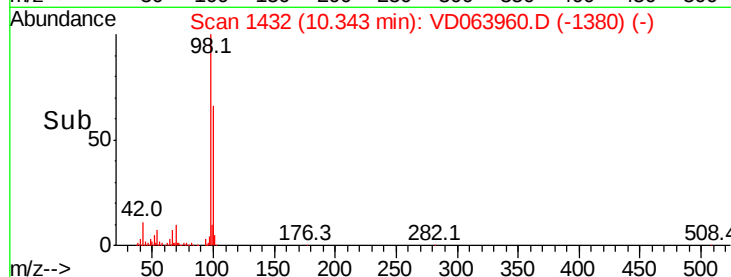
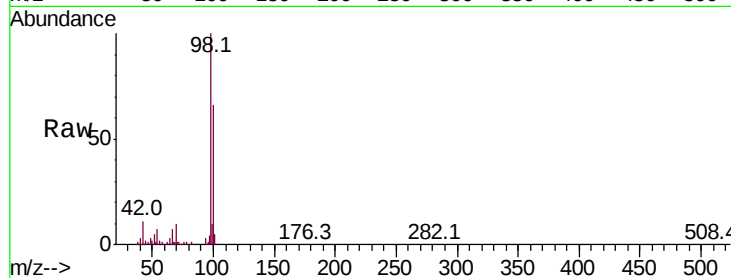




#50
Toluene-d8
Concen: 54.061 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

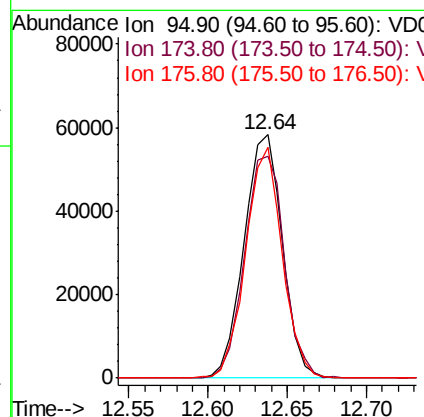
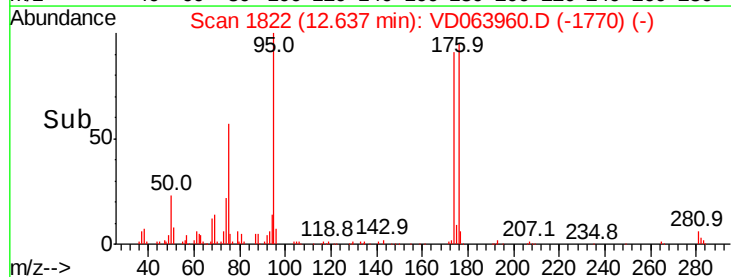
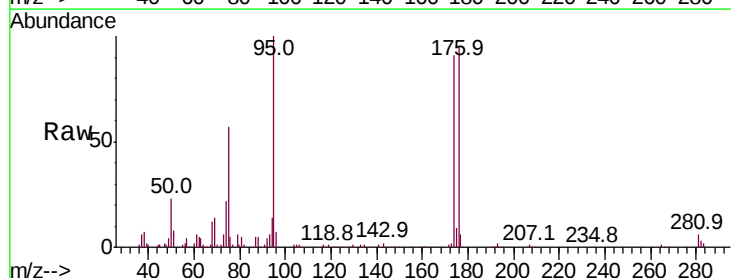
Instrument :
MSVOA_D
ClientSampleId :

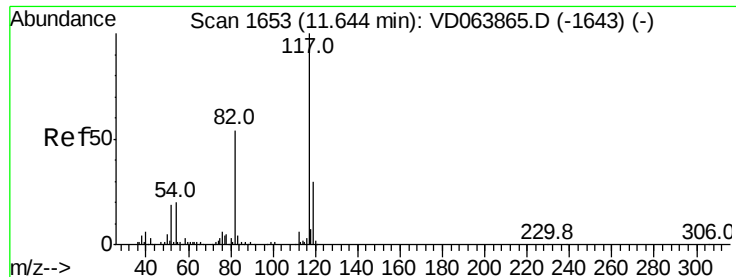
Tot Ion: 98 Resp: 320563
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

Tgt Ion: 95 Resp: 97996
Ion Ratio Lower Upper
95 100
174 94.1 0.0 186.4
176 90.0 0.0 184.2

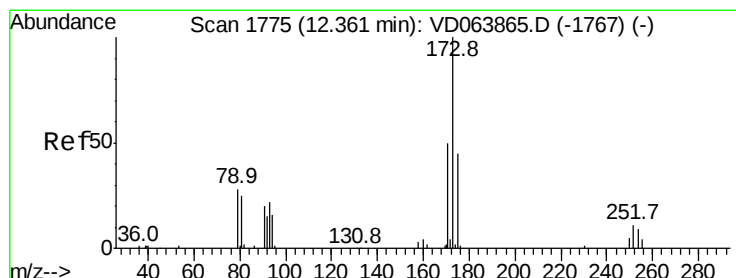
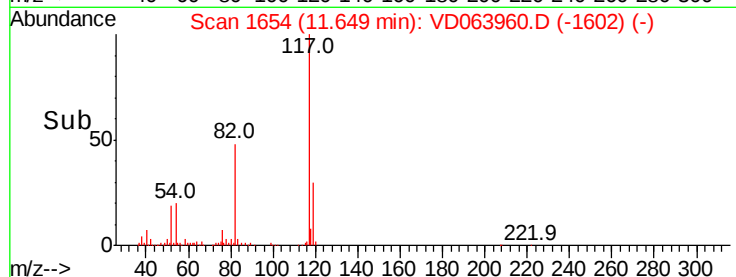
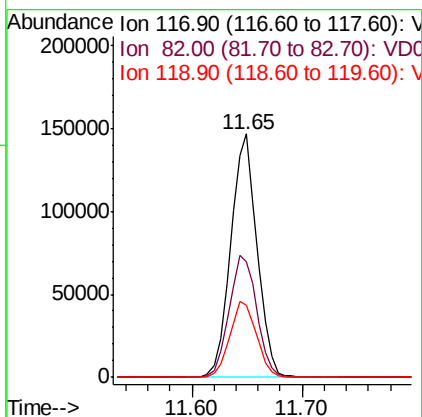
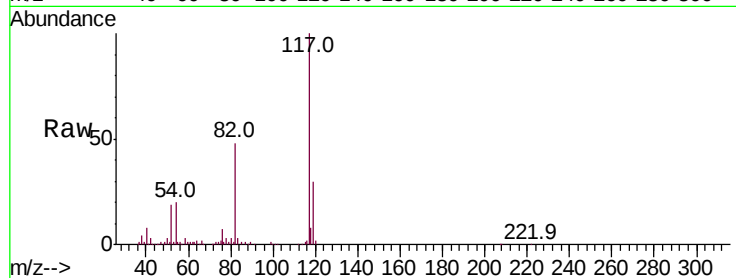




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

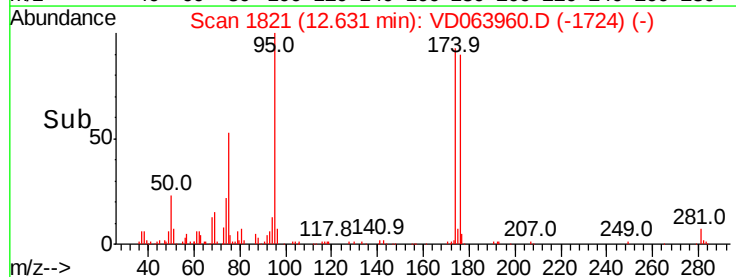
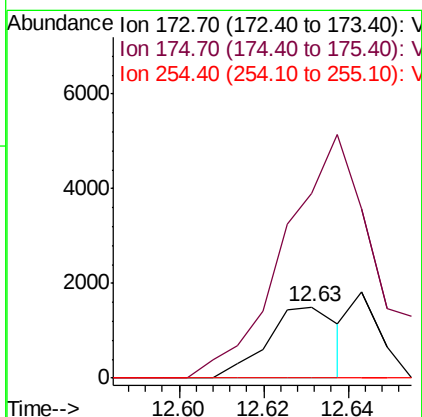
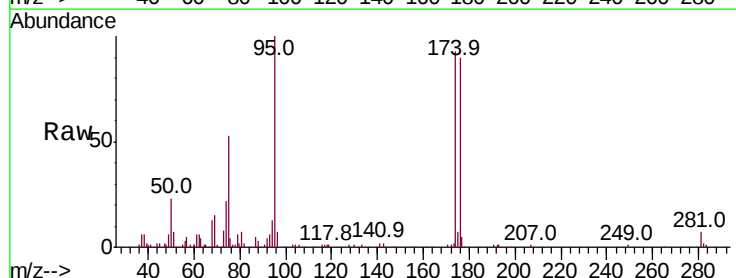
Instrument :
MSVOA_D
ClientSampleId :

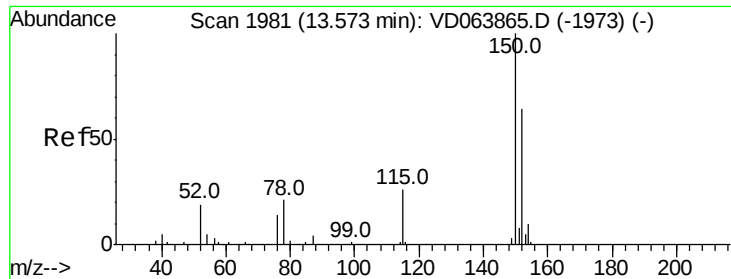
Tot Ion	Ratio	Lower	Upper
117	100		
82	47.6	42.8	64.2
119	29.8	24.4	36.6



#71
Bromoform
Concen: 1.812 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063960.D
Acq: 14 Oct 2019 17:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	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: VD063960.D

Acq: 14 Oct 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

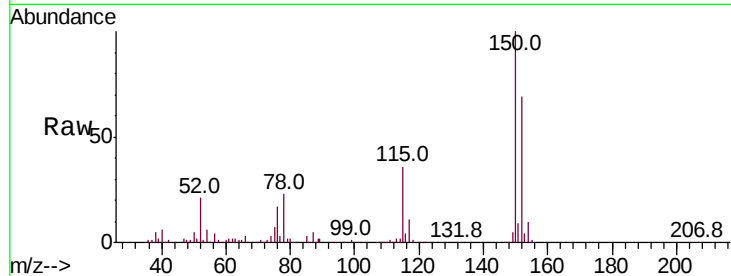
Tot Ion:152 Resp: 119658

Ion Ratio Lower Upper

152 100

115 54.6 25.9 77.7

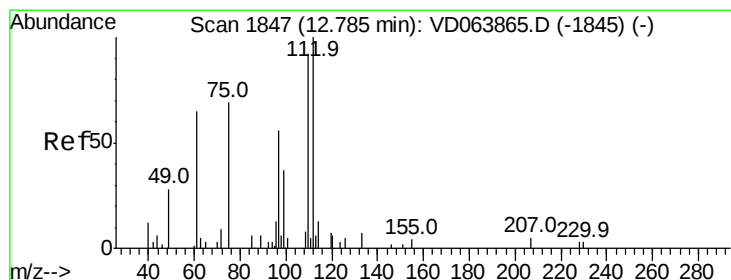
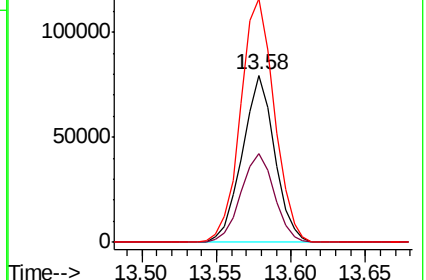
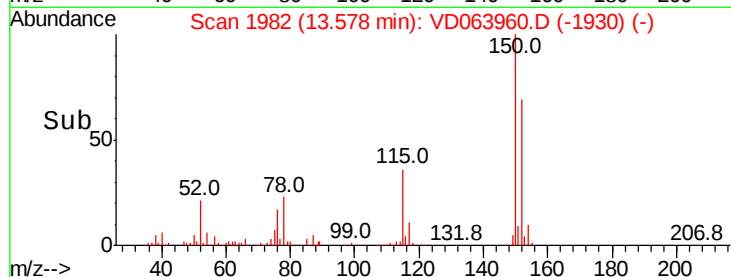
150 151.7 0.0 344.2



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: 65.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063960.D

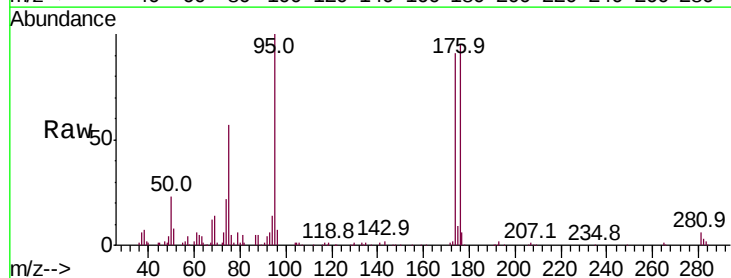
Acq: 14 Oct 2019 17:20

Tgt Ion: 75 Resp: 52562

Ion Ratio Lower Upper

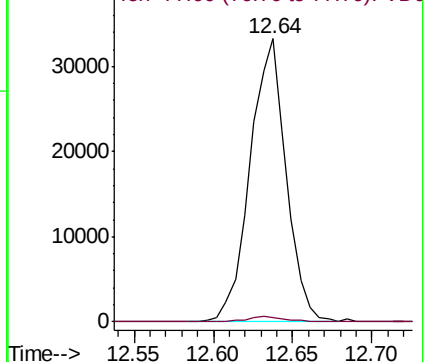
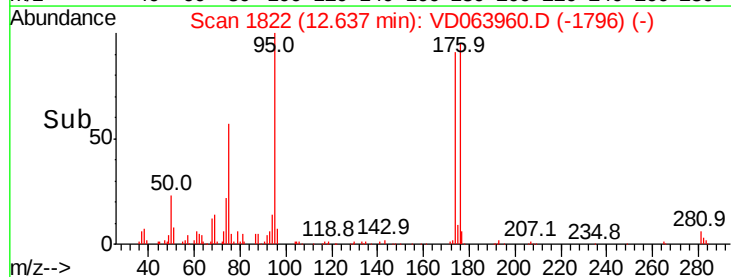
75 100

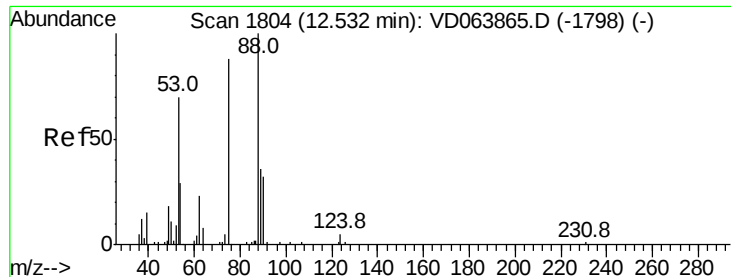
77 1.9 0.0 0.0#



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: 116.059 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063960.D

Acq: 14 Oct 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

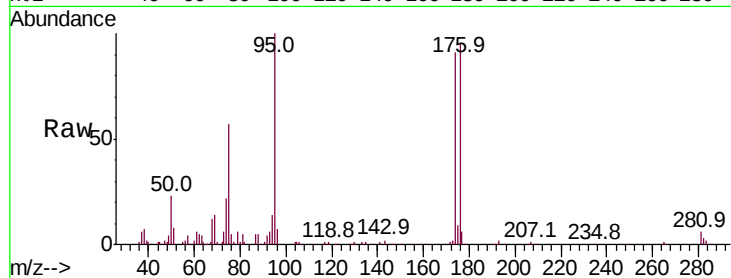
Tot Ion: 75 Resp: 52562

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

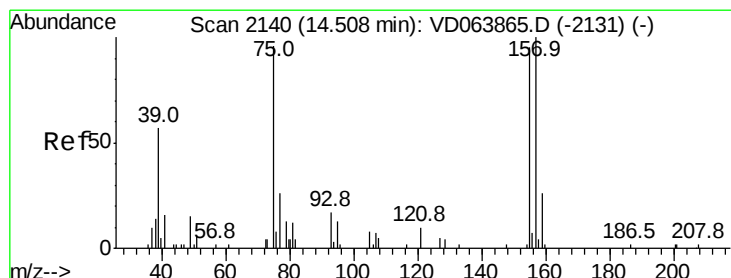
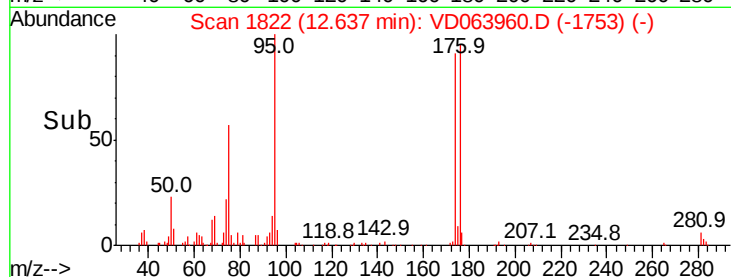
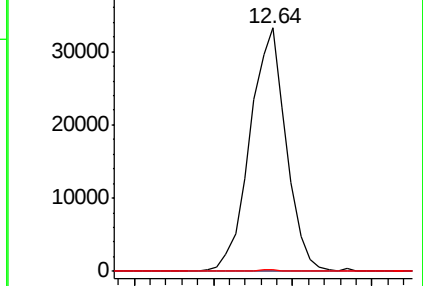
89 0.3 38.2 57.4#



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: 14.54 min Scan# 2145

Delta R.T. 0.03 min

Lab File: VD063960.D

Acq: 14 Oct 2019 17:20

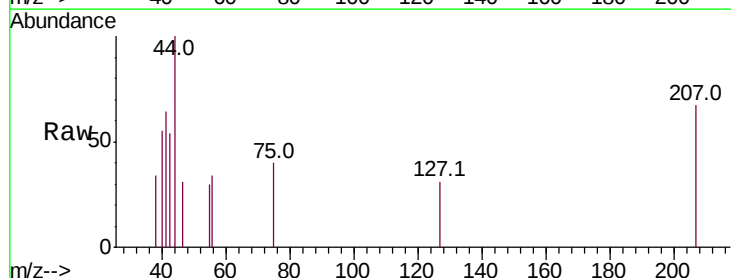
Tgt Ion: 75 Resp: 146

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

