

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065161.D
 Acq On : 12 Feb 2020 12:27
 Operator : VA/SY
 Sample : L1491-03RE
 Misc : 6.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 06:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

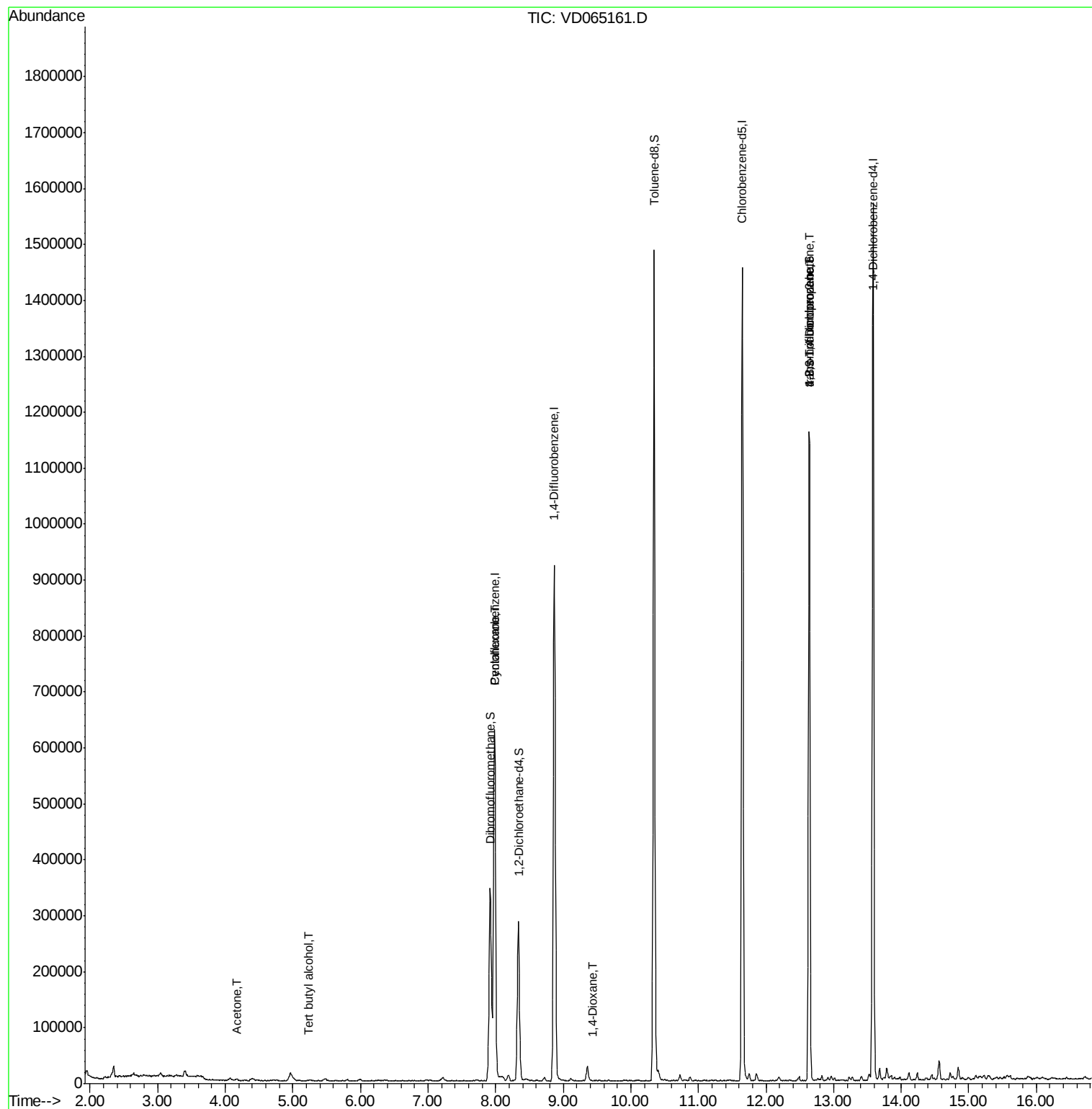
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	791411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	831234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	418061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	223777	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	7.92	113	247057	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
50) Toluene-d8	10.34	98	974891	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.64	95	365220	65.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.16%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	2230	8.903	ug/l #	71
16) Acetone	4.17	43	4682	4.568	ug/l	96
20) Methylene Chloride	4.96	84	9377	Below Cal		89
31) Cyclohexane	7.98	56	13738	1.685	ug/l #	11
49) 1,4-Dioxane	9.44	88	54	1.781	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.95	63	174	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	187724	59.309	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	187724	118.614	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

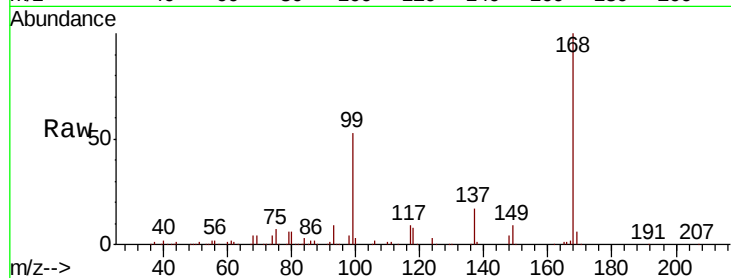
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 482324

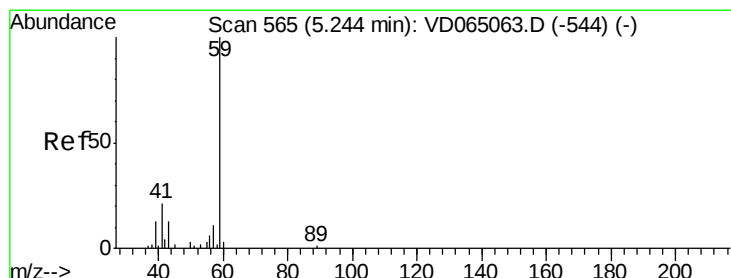
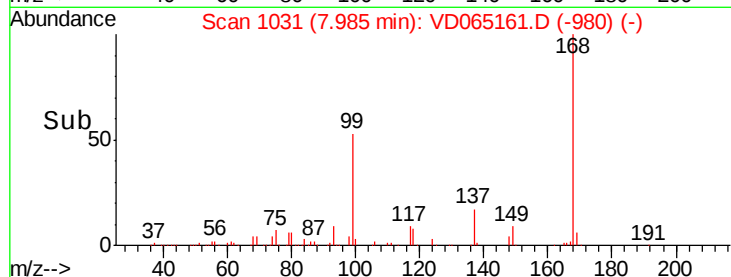
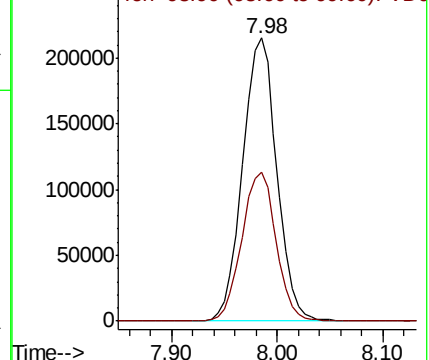
Ion Ratio Lower Upper

168 100

99 52.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#11

Tert butyl alcohol

Concen: 8.903 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.00 min

Lab File: VD065161.D

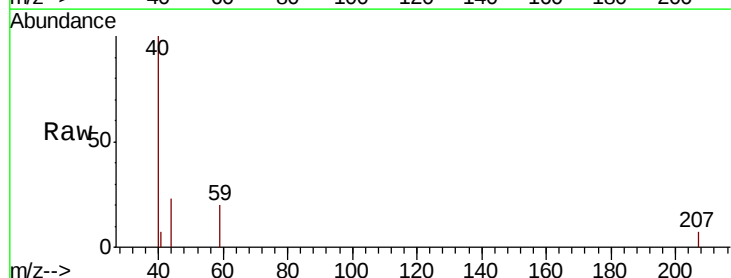
Acq: 12 Feb 2020 12:27

Tgt Ion: 59 Resp: 2230

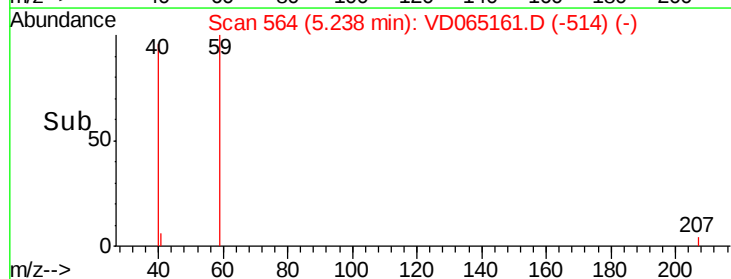
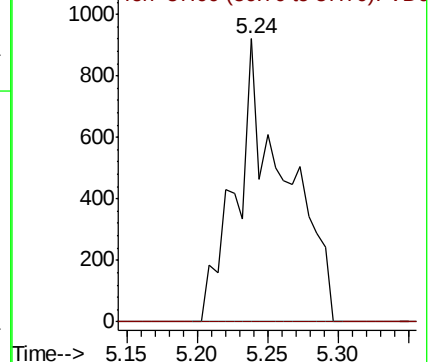
Ion Ratio Lower Upper

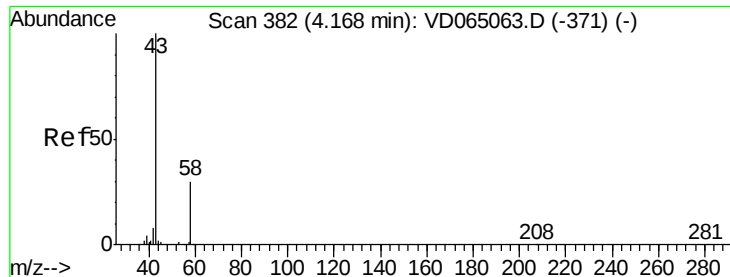
59 100

57 0.0 8.8 13.2#



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





#16

Acetone

Concen: 4.568 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_D

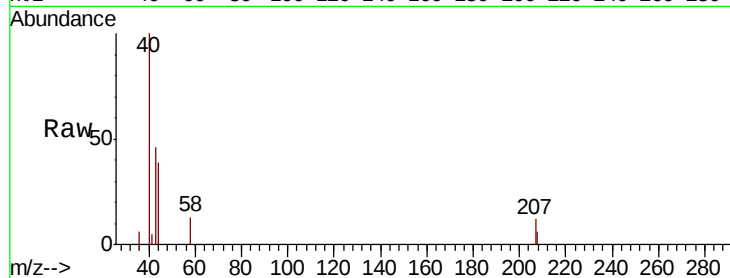
ClientSampleId :

Tot Ion: 43 Resp: 4682

Ion Ratio Lower Upper

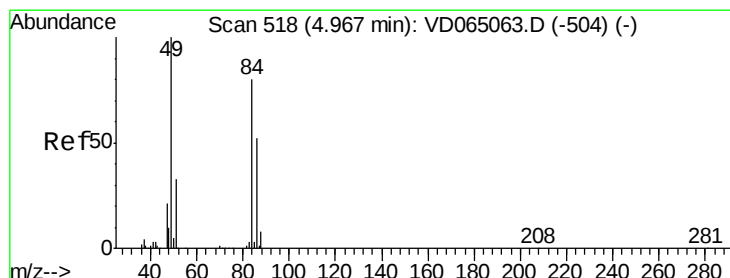
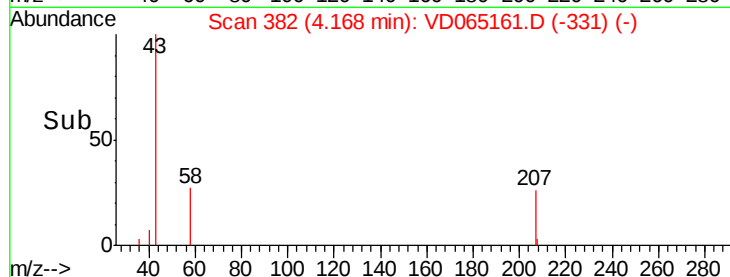
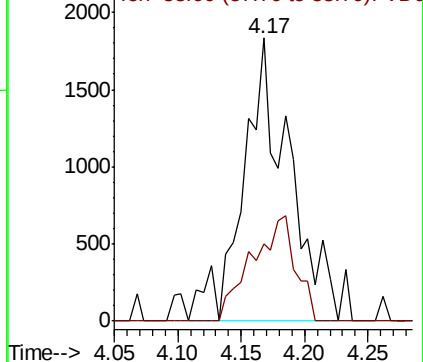
43 100

58 27.4 23.5 35.3



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: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

Tgt Ion: 84 Resp: 9377

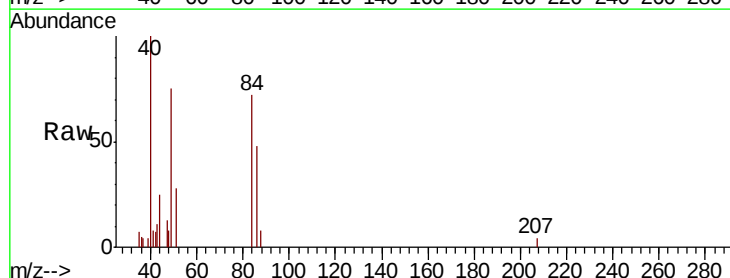
Ion Ratio Lower Upper

84 100

49 104.5 100.4 150.6

51 38.9 32.7 49.1

86 66.5 52.4 78.6

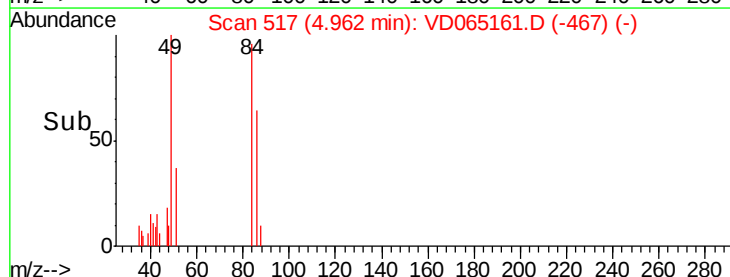
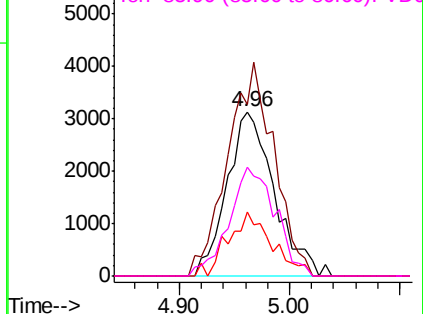


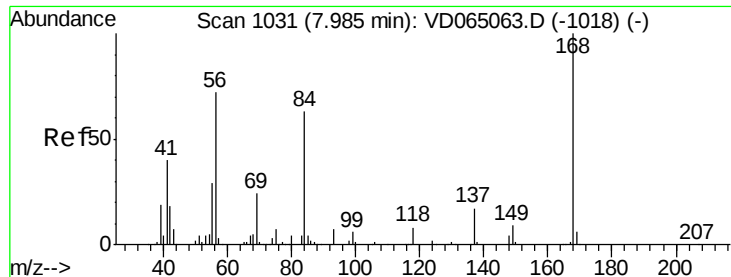
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

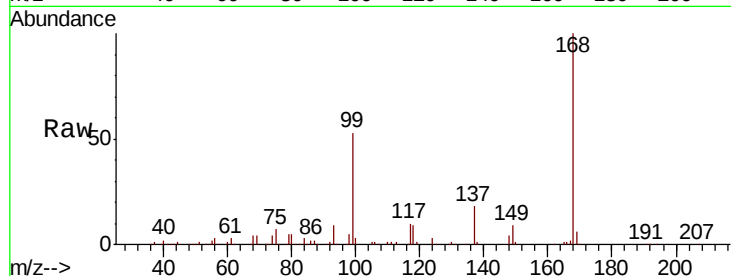




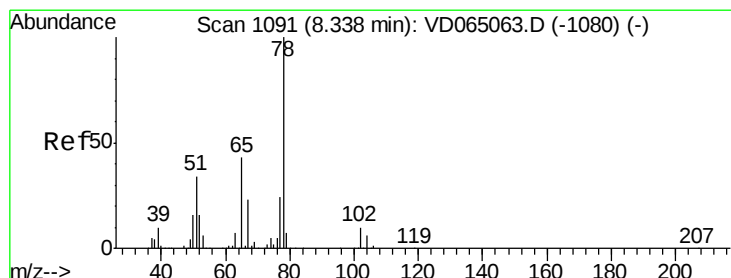
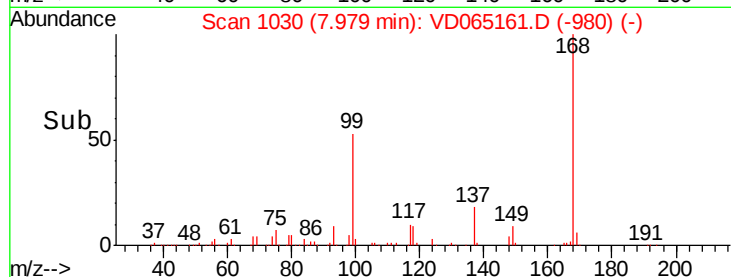
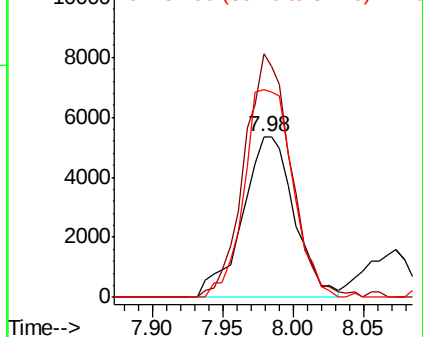
#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065161.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13738
Ion Ratio Lower Upper
56 100
69 151.5 26.6 40.0#
84 129.4 70.6 106.0#

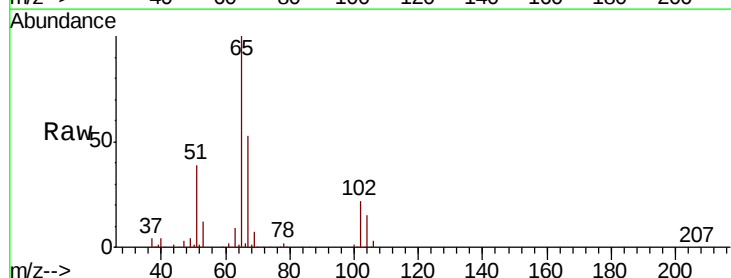


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

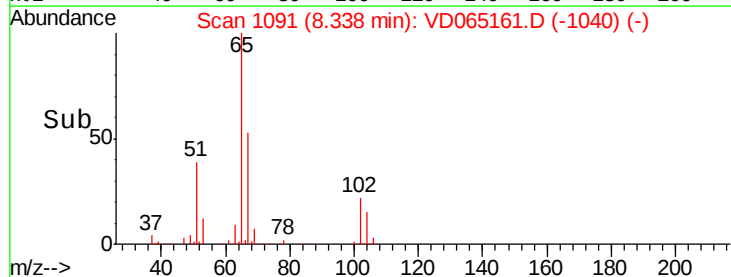
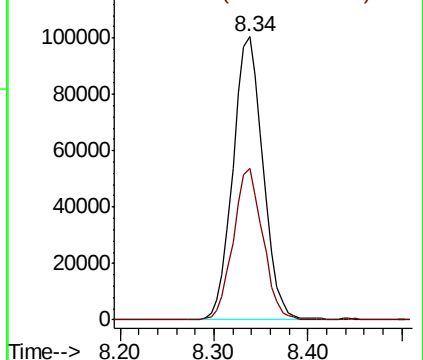


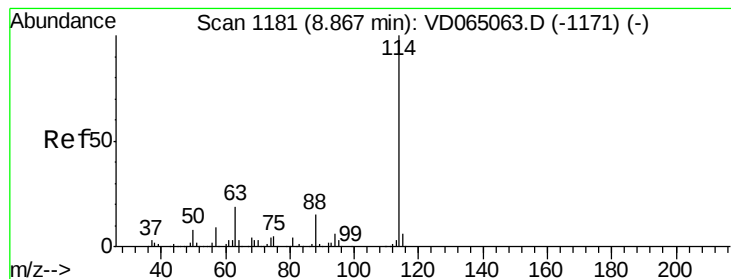
#33
1,2-Dichloroethane-d4
Concen: 54.589 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065161.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 65 Resp: 223777
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8



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: VD065161.D

Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampled :

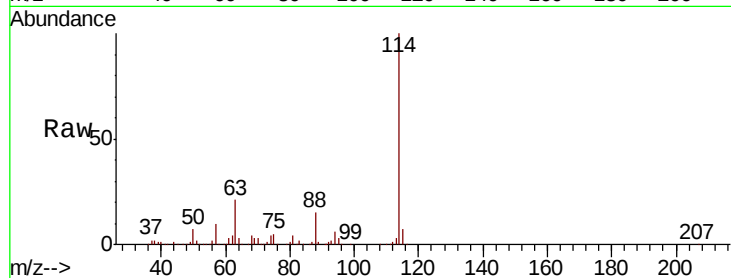
Tot Ion:114 Resp: 791411

Ion Ratio Lower Upper

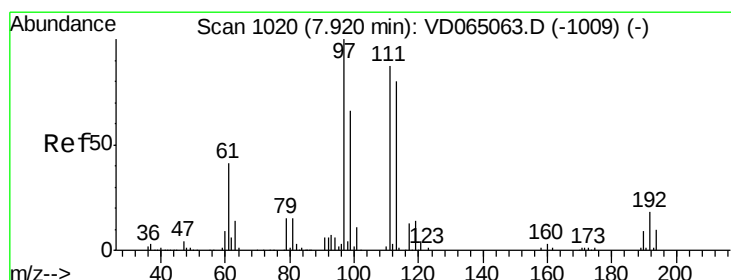
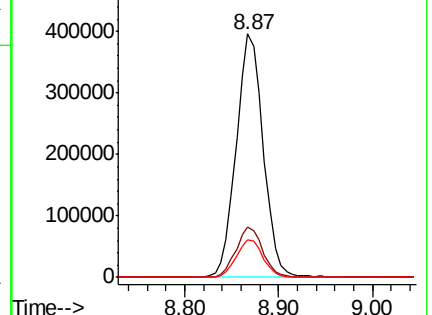
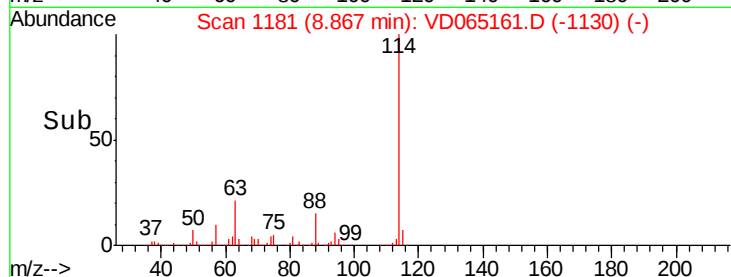
114 100

63 20.6 0.0 38.8

88 15.3 0.0 29.6



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: 55.951 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

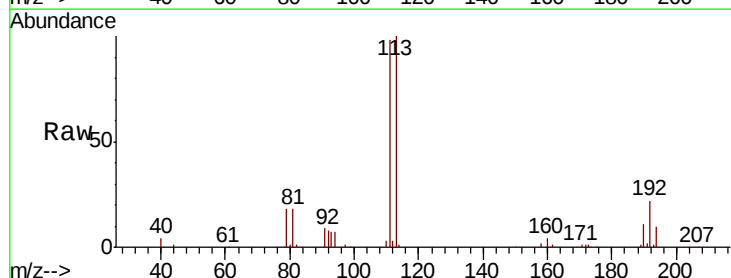
Tgt Ion:113 Resp: 247057

Ion Ratio Lower Upper

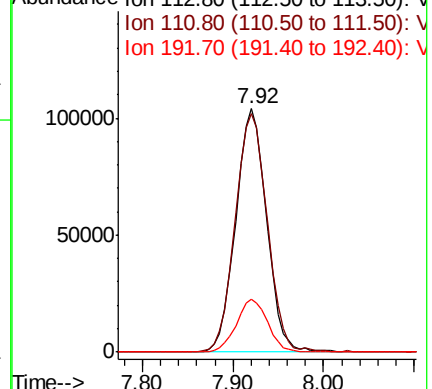
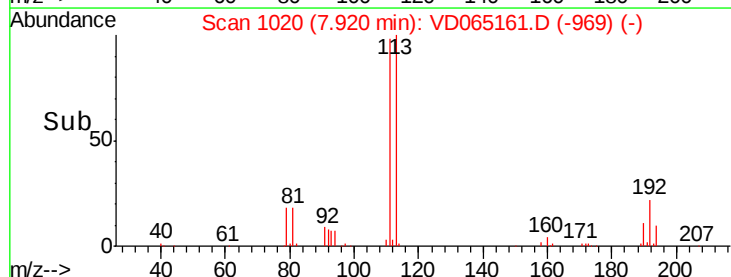
113 100

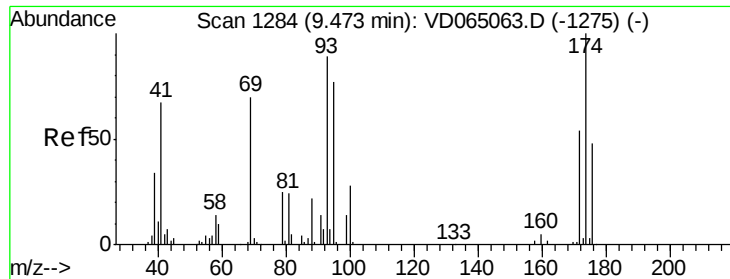
111 101.4 83.1 124.7

192 21.7 18.1 27.1



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





#49

1,4-Dioxane

Concen: 1.781 ug/l

RT: 9.44 min Scan# 1278

Delta R.T. -0.04 min

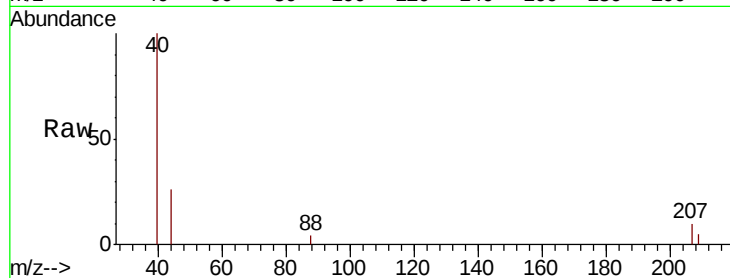
Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

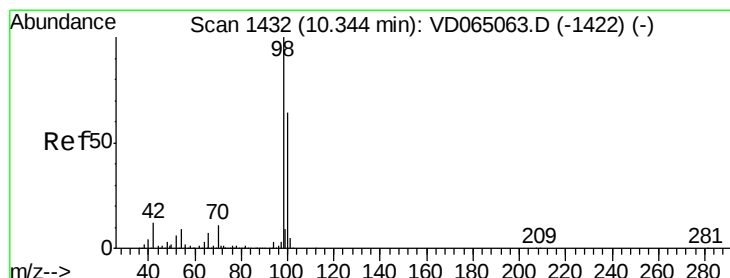
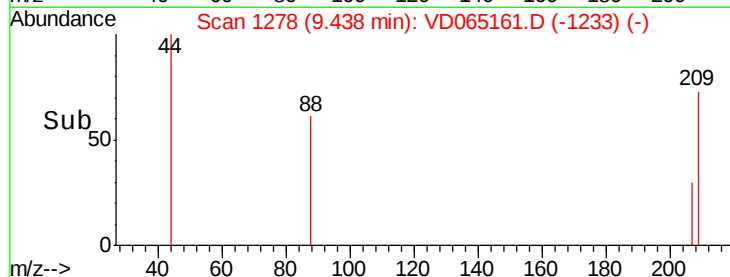
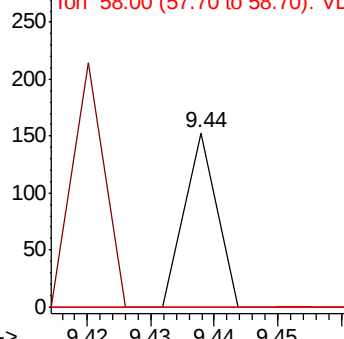
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 54

Ion	Ratio	Lower	Upper
88	100		
43	140.7	27.7	41.5#
58	0.0	55.5	83.3#



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: 55.469 ug/l

RT: 10.34 min Scan# 1432

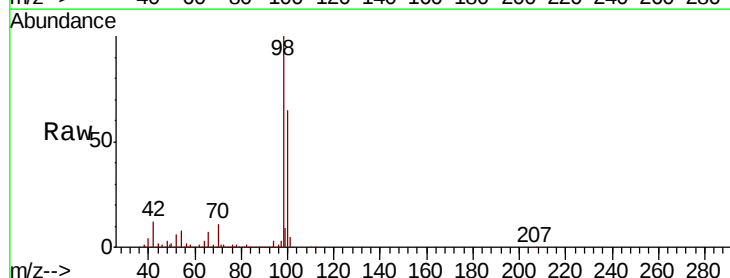
Delta R.T. -0.00 min

Lab File: VD065161.D

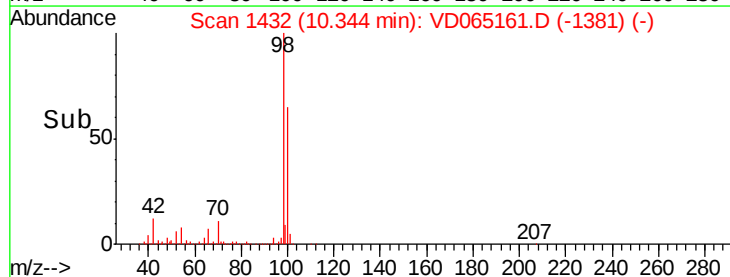
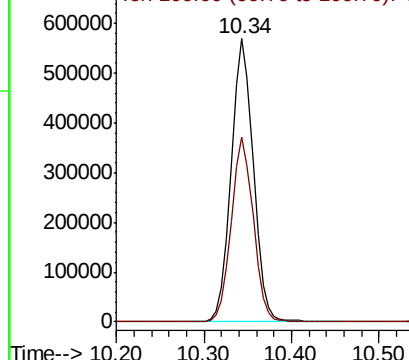
Acq: 12 Feb 2020 12:27

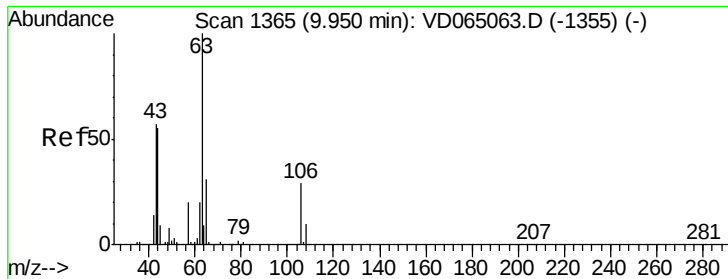
Tgt Ion: 98 Resp: 974891

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

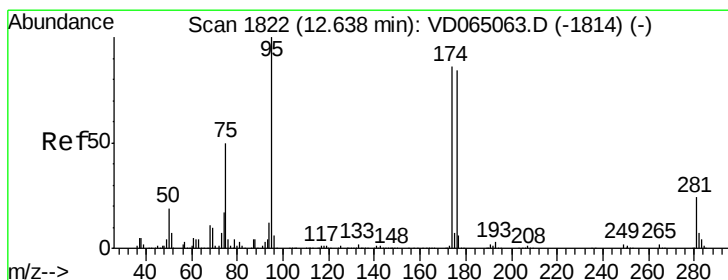
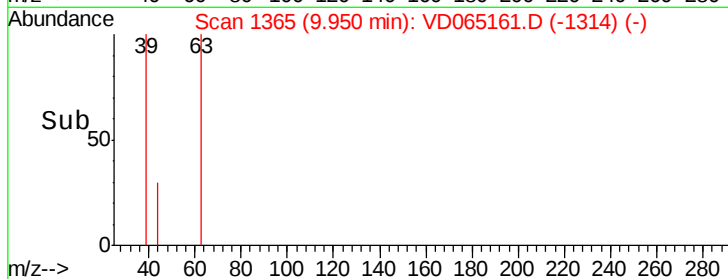
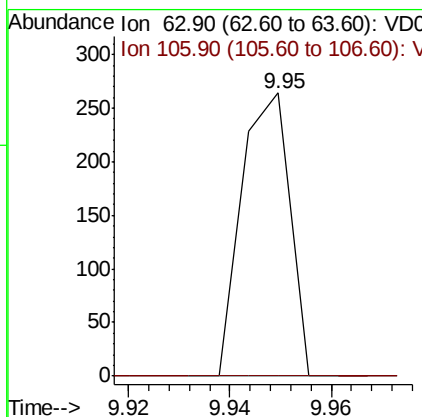
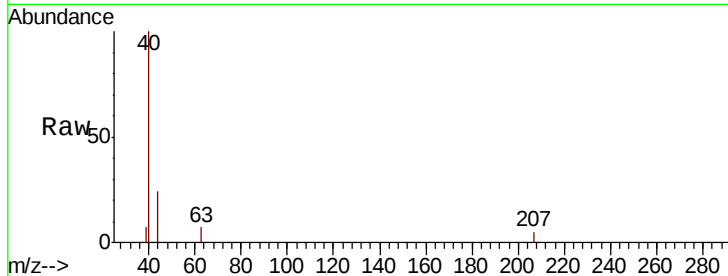




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065161.D
 Acq: 12 Feb 2020 12:27

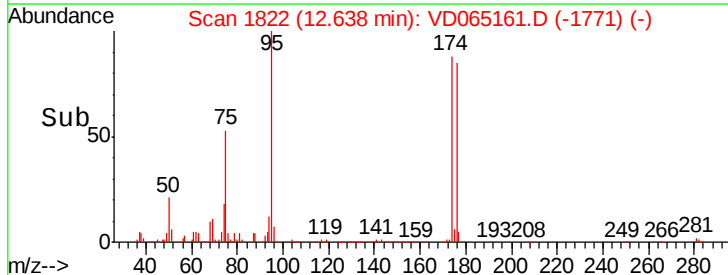
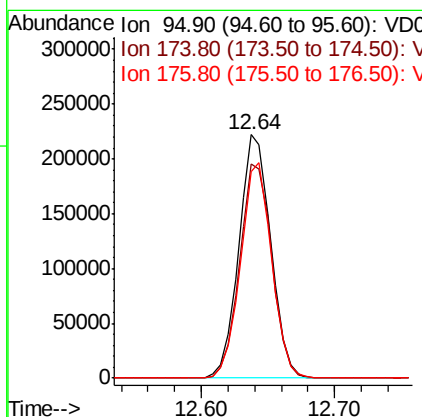
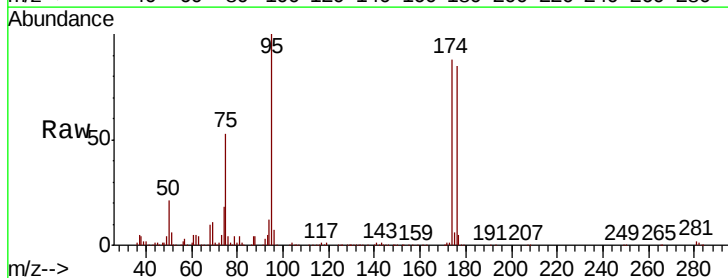
Instrument :
 MSVOA_D
 ClientSampleId :

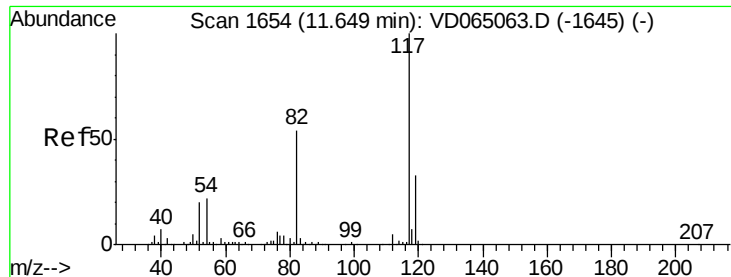
Tot Ion: 63 Resp: 174
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#



#62
 4-Bromofluorobenzene
 Concen: 65.581 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065161.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 95 Resp: 365220
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 180.0
 176 86.3 0.0 173.2

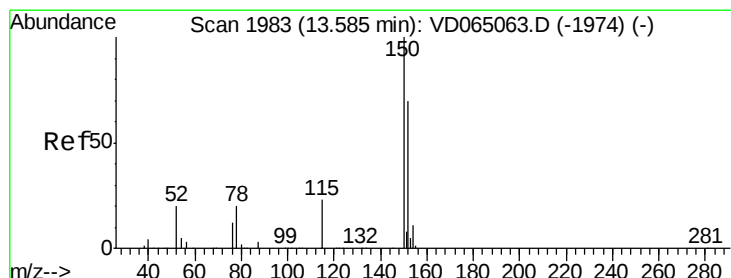
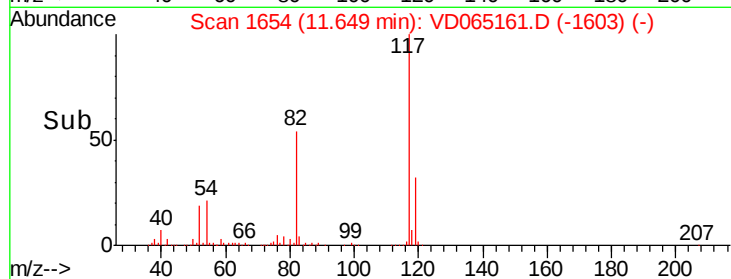
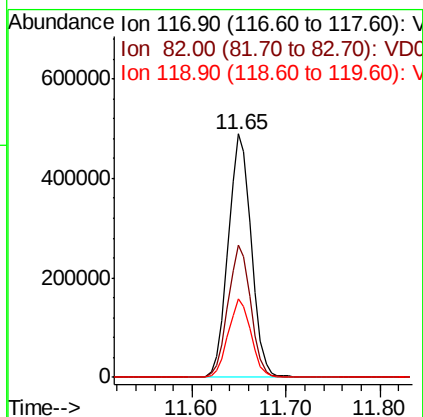
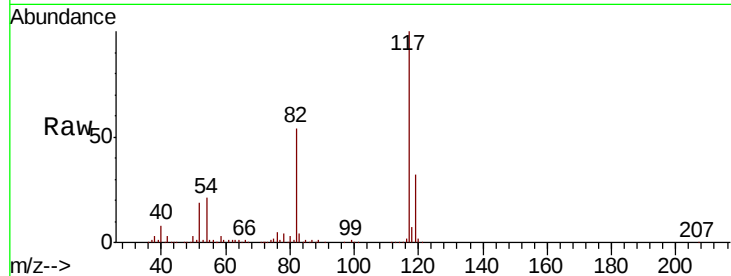




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065161.D
Acq: 12 Feb 2020 12:27

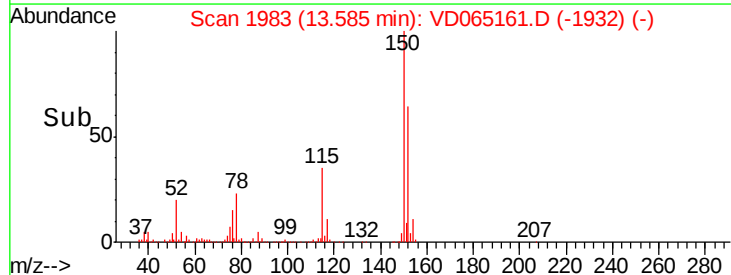
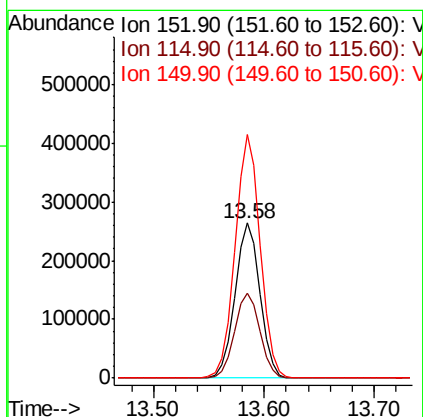
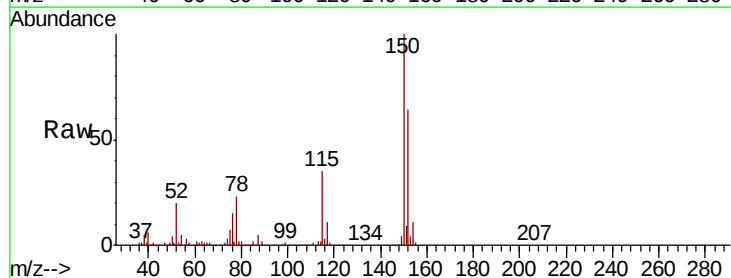
Instrument :
MSVOA_D
ClientSampleId :

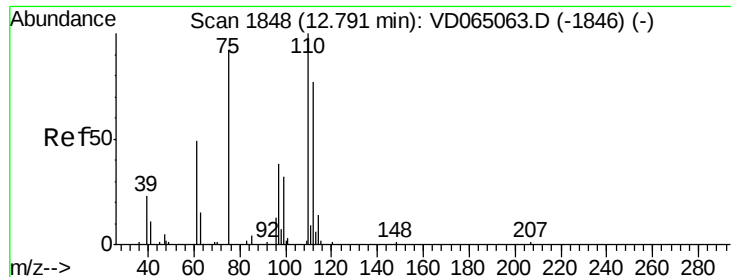
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.1	64.7
119	32.2	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065161.D
Acq: 12 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	157.6	0.0	343.2





#76

1,2,3-Trichloropropane

Concen: 59.309 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_D

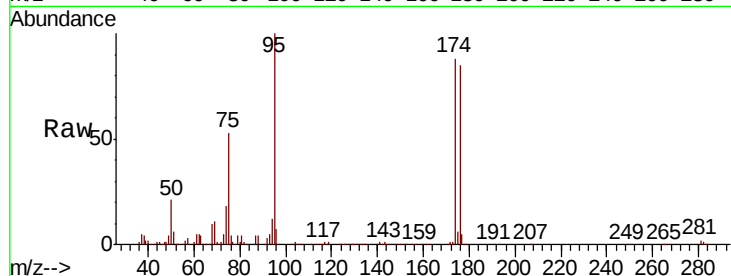
ClientSampled :

Tot Ion: 75 Resp: 187724

Ion Ratio Lower Upper

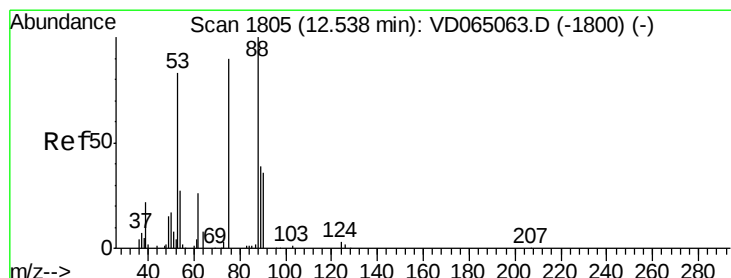
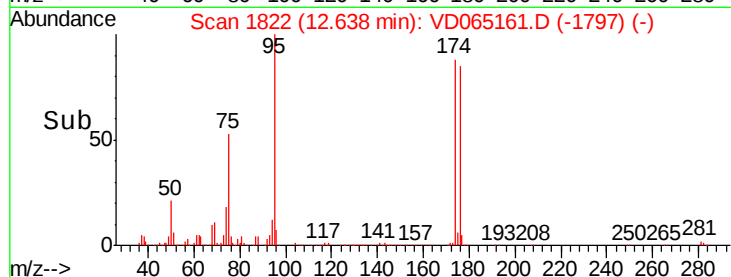
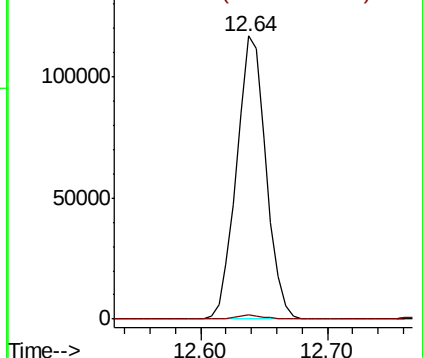
75 100

77 1.3 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: 118.614 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065161.D

Acq: 12 Feb 2020 12:27

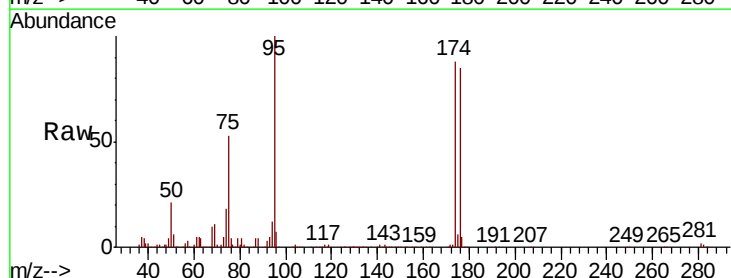
Tgt Ion: 75 Resp: 187724

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#



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

