

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064097.D
 Acq On : 29 Oct 2019 19:10
 Operator : VA/SY
 Sample : K5542-10RE
 Misc : 5.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

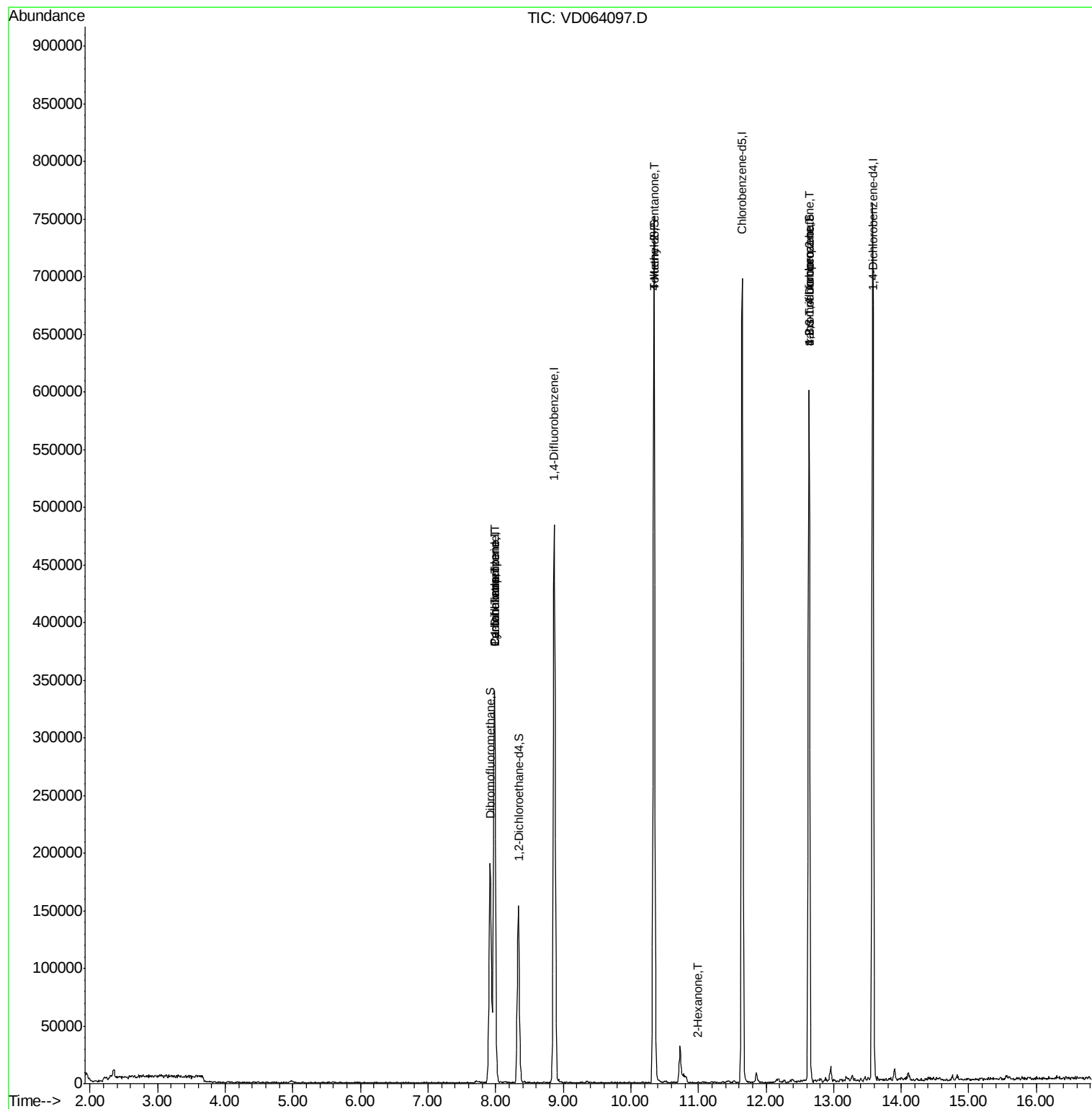
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	265013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	435060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	429841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	210347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	123554	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	7.92	113	135316	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
50) Toluene-d8	10.34	98	522449	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.64	95	174876	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
Target Compounds						
				Qvalue		
20) Methylene Chloride	4.95	84	1074	Below Cal	#	30
31) Cyclohexane	7.98	56	5282	1.347	ug/l #	48
36) 1,1-Dichloropropene	7.98	75	19478	4.778	ug/l #	48
38) Carbon Tetrachloride	7.99	117	25758	5.791	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	2548	1.846	ug/l #	1
59) 2-Hexanone	10.99	43	234	9.222	ug/l	63
76) 1,2,3-Trichloropropane	12.64	75	93180	65.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	93180	134.637	ug/l #	15

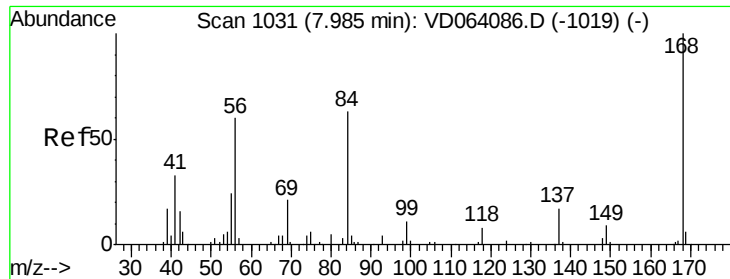
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

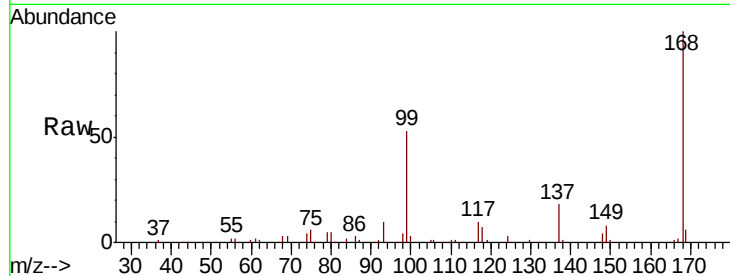
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 265013

Ion Ratio Lower Upper

168 100

99 52.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

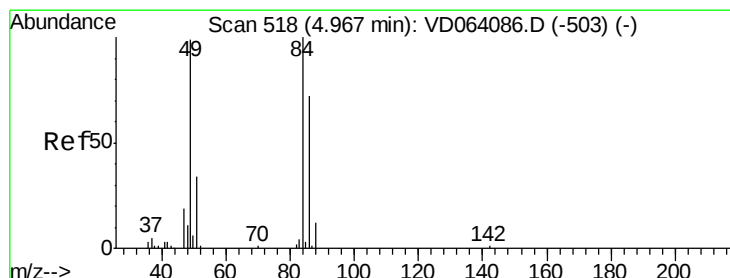
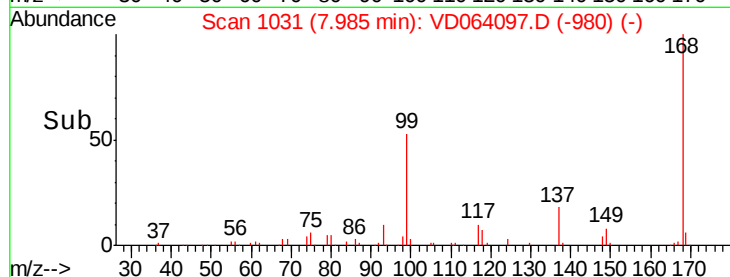
100000

50000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

Tgt Ion: 84 Resp: 1074

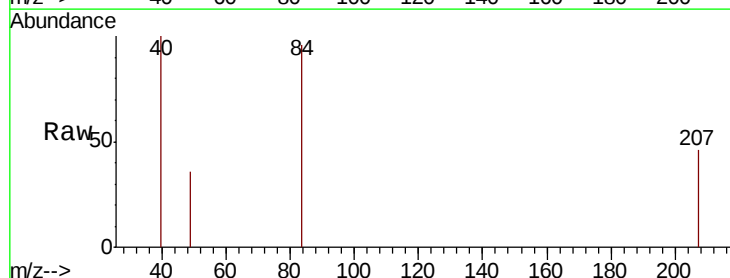
Ion Ratio Lower Upper

84 100

49 37.1 79.4 119.0#

51 0.0 27.4 41.2#

86 0.0 57.4 86.0#



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

4.95

1000

800

600

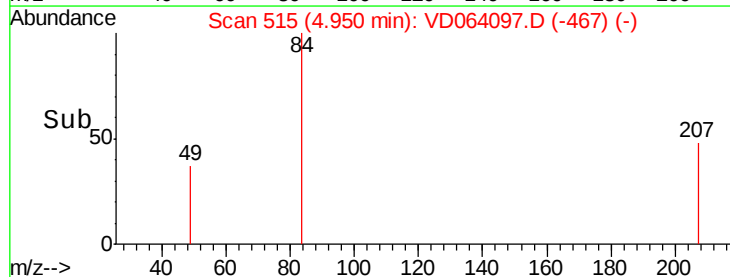
400

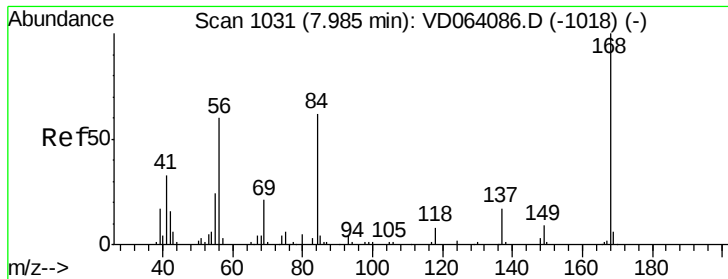
200

0

Time-->

4.95 5.00





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

Instrument :

MSVOA_D

ClientSampled :

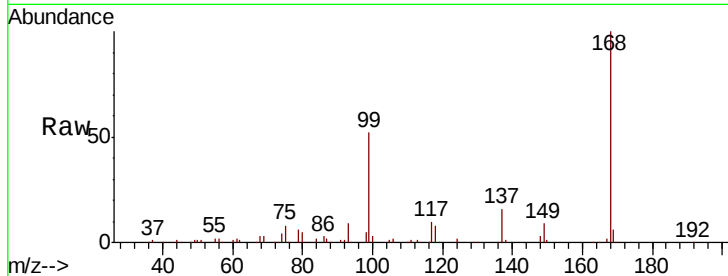
Tot Ion: 56 Resp: 5282

Ion Ratio Lower Upper

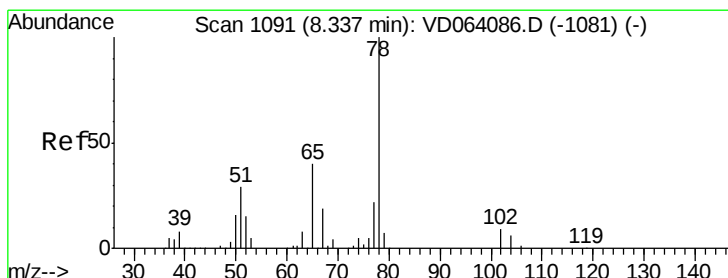
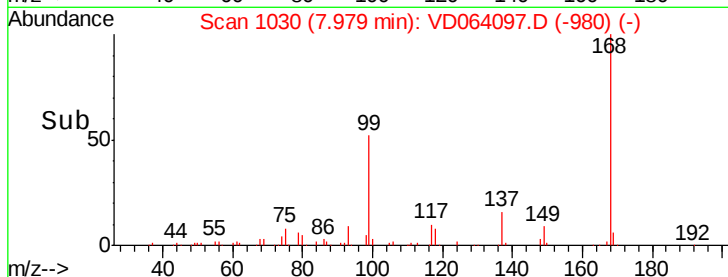
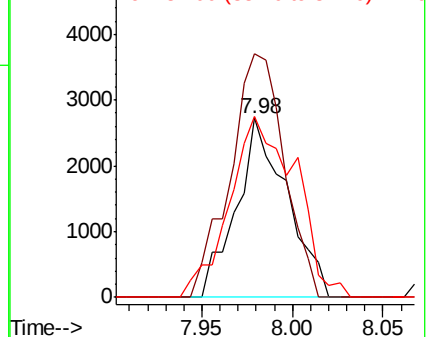
56 100

69 135.6 27.7 41.5#

84 93.2 83.1 124.7



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: 58.621 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064097.D

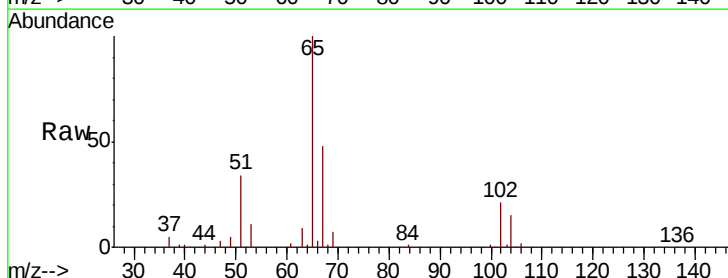
Acq: 29 Oct 2019 19:10

Tgt Ion: 65 Resp: 123554

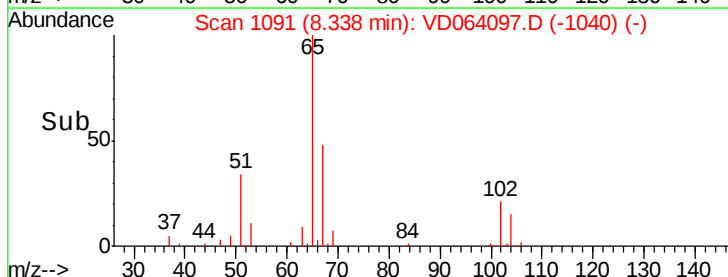
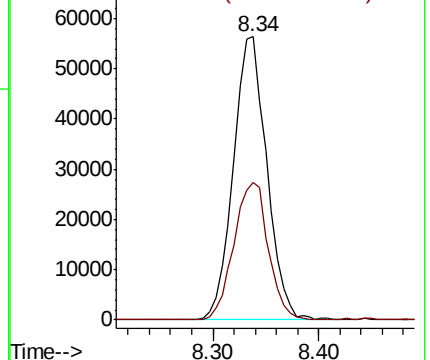
Ion Ratio Lower Upper

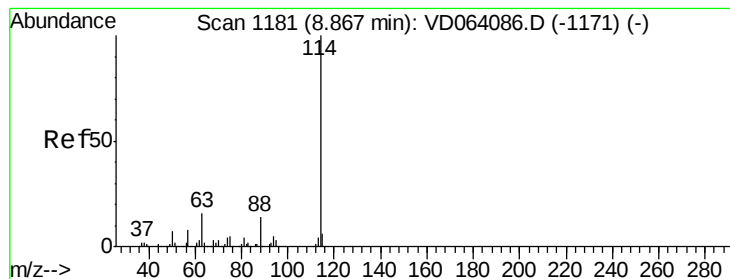
65 100

67 49.9 0.0 104.6



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: VD064097.D

Acq: 29 Oct 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

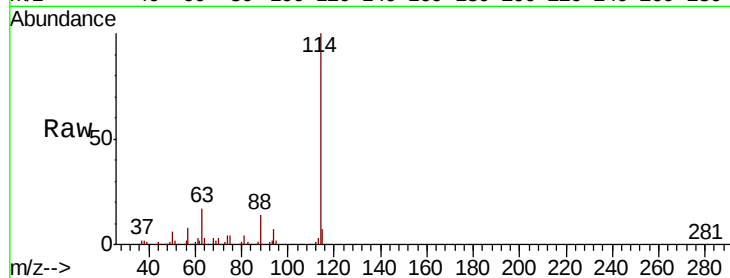
Tot Ion:114 Resp: 435060

Ion Ratio Lower Upper

114 100

63 17.4 0.0 32.8

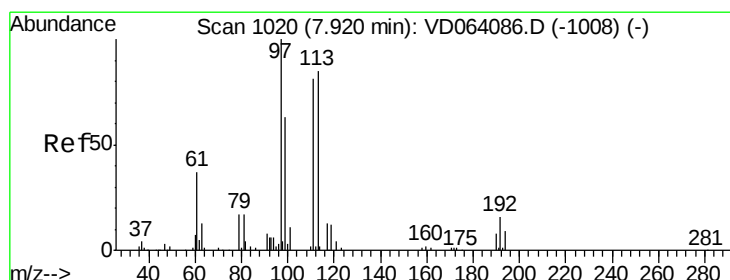
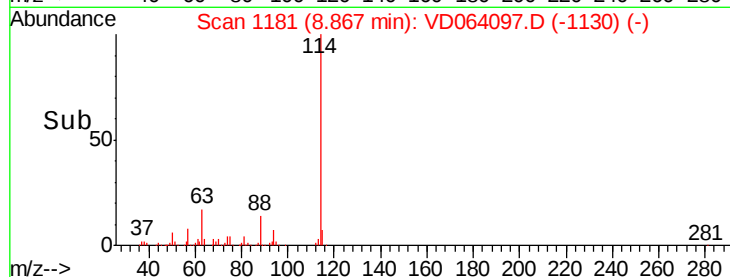
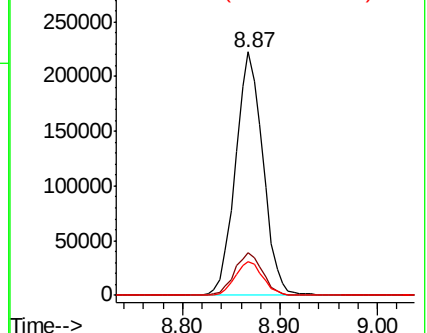
88 13.8 0.0 27.6



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: 50.555 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

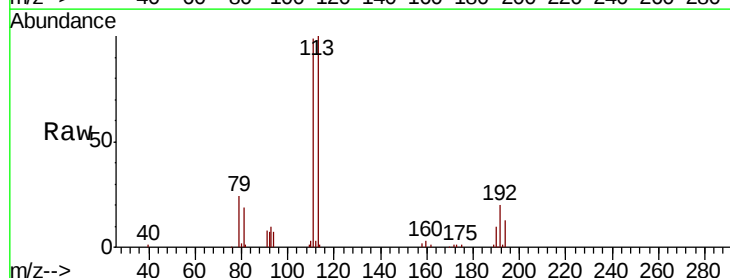
Tgt Ion:113 Resp: 135316

Ion Ratio Lower Upper

113 100

111 102.1 79.3 118.9

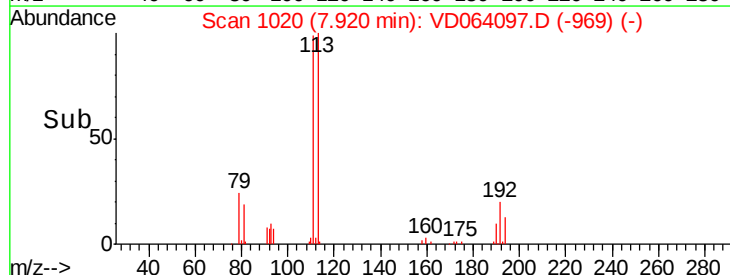
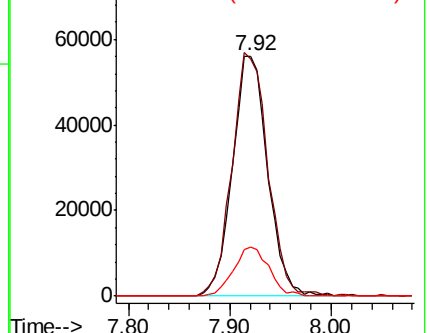
192 20.6 16.2 24.2

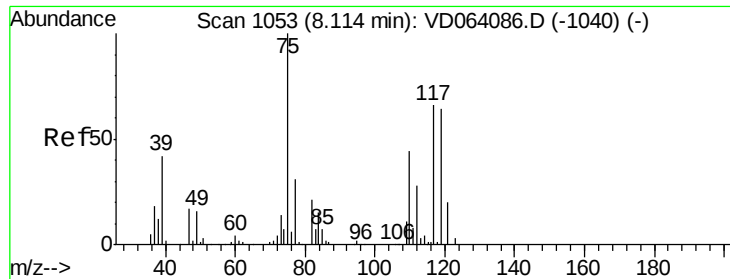


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

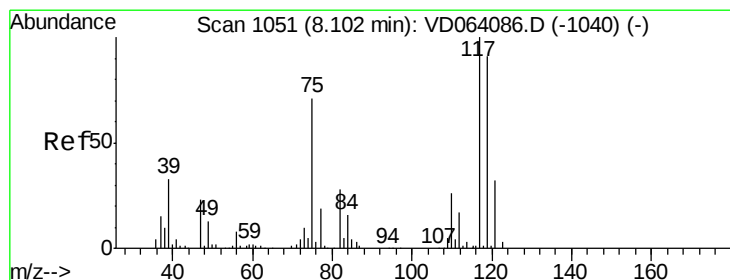
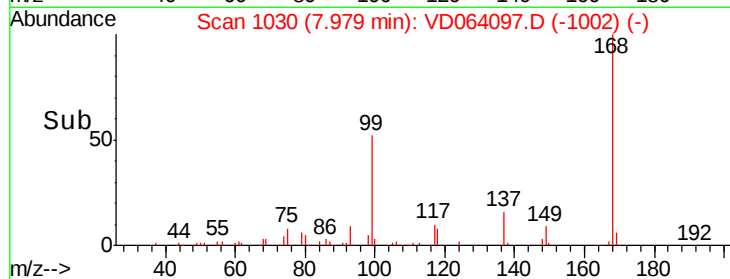
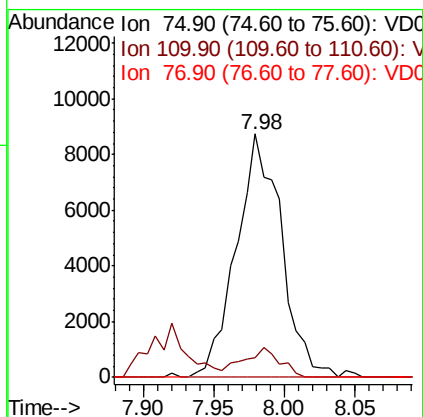
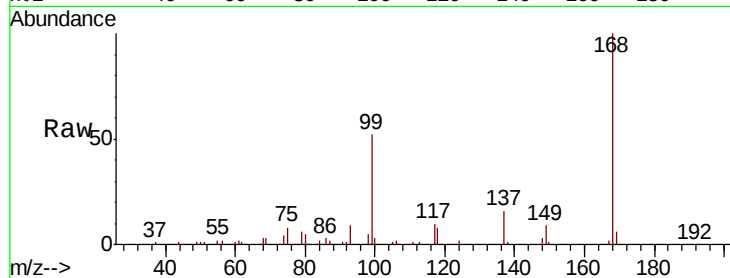




#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064097.D
 Acq: 29 Oct 2019 19:10

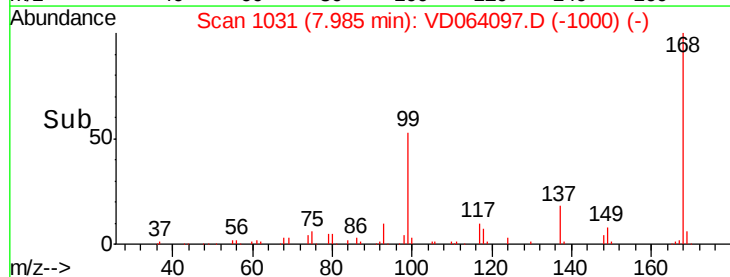
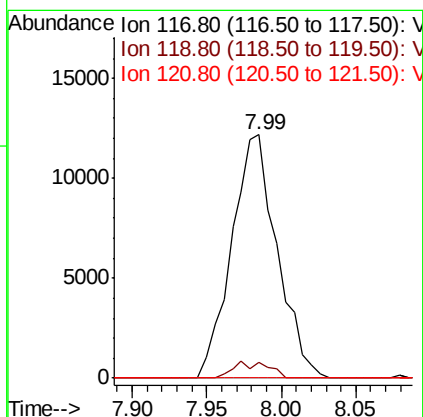
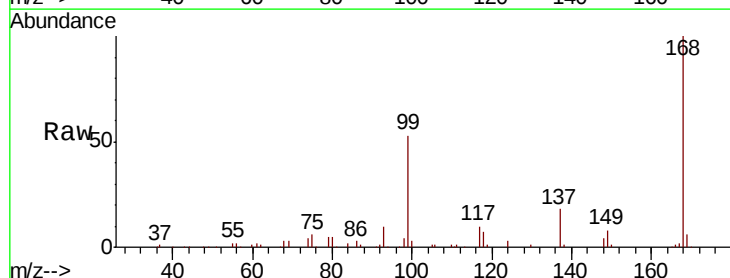
Instrument :
 MSVOA_D
 ClientSampled :

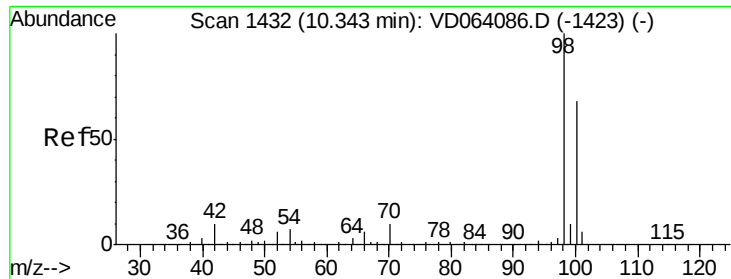
Tot Ion: 75 Resp: 19478
 Ion Ratio Lower Upper
 75 100
 110 10.1 20.0 59.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.791 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD064097.D
 Acq: 29 Oct 2019 19:10

Tgt Ion: 117 Resp: 25758
 Ion Ratio Lower Upper
 117 100
 119 6.3 72.6 108.8#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.808 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

Instrument :

MSVOA_D

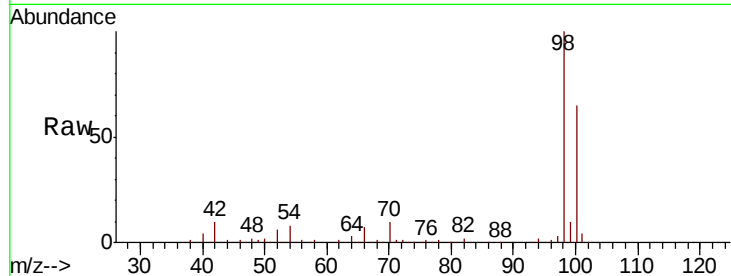
ClientSampleId :

Tot Ion: 98 Resp: 522449

Ion Ratio Lower Upper

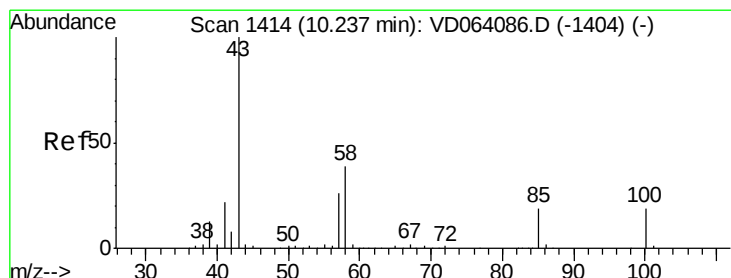
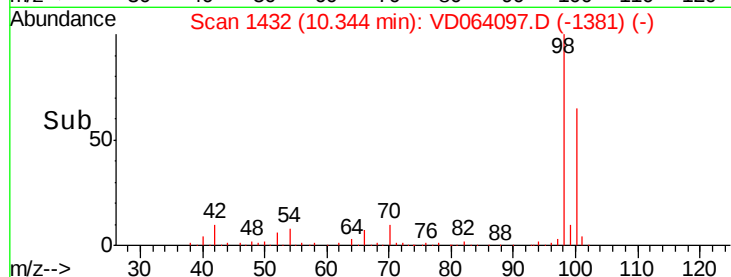
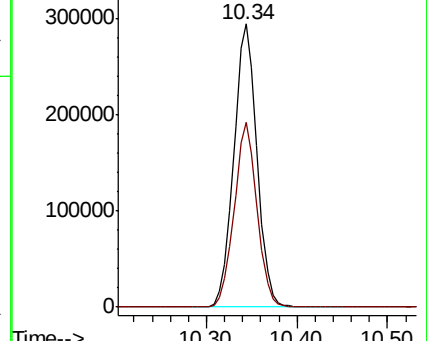
98 100

100 64.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.846 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD064097.D

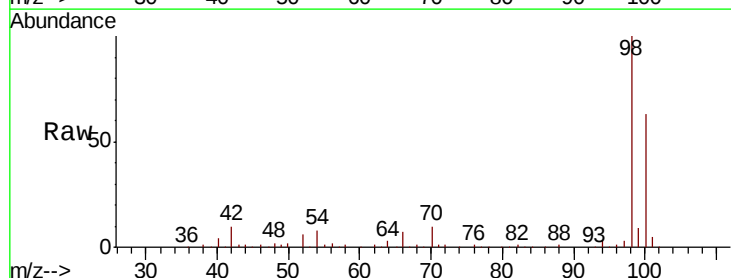
Acq: 29 Oct 2019 19:10

Tgt Ion: 43 Resp: 2548

Ion Ratio Lower Upper

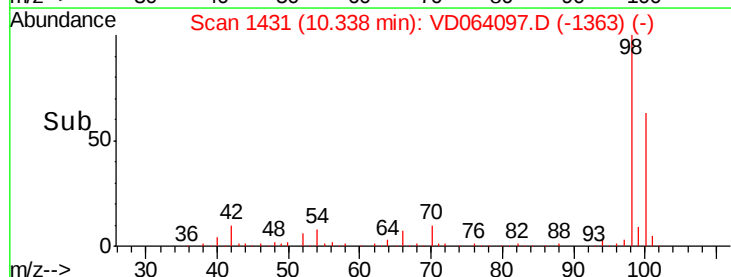
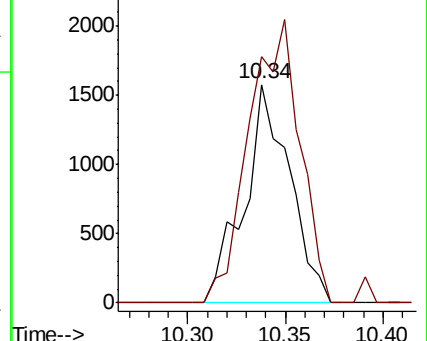
43 100

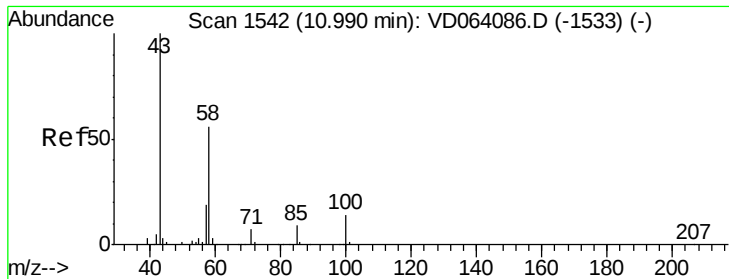
58 145.7 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

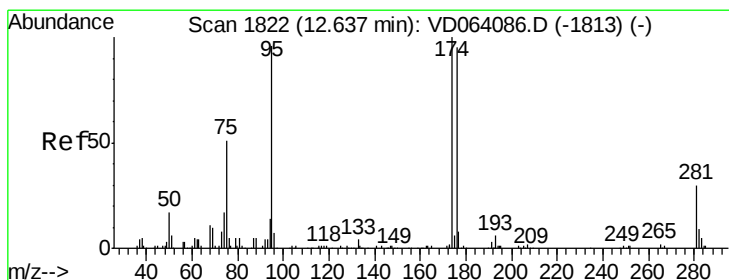
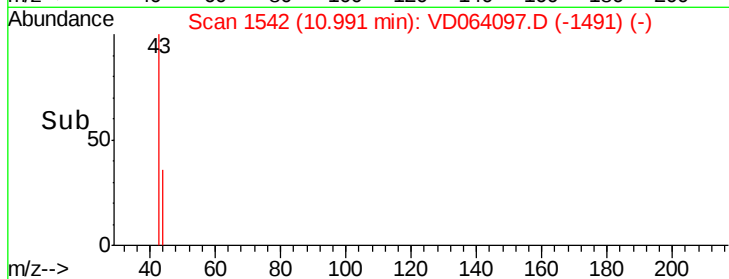
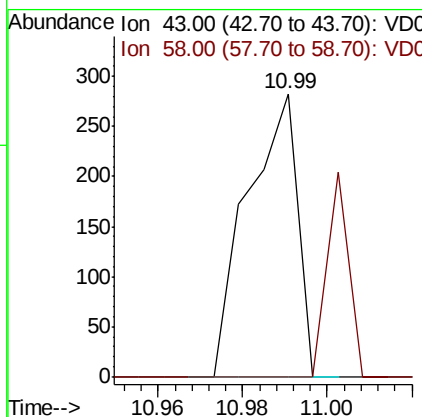
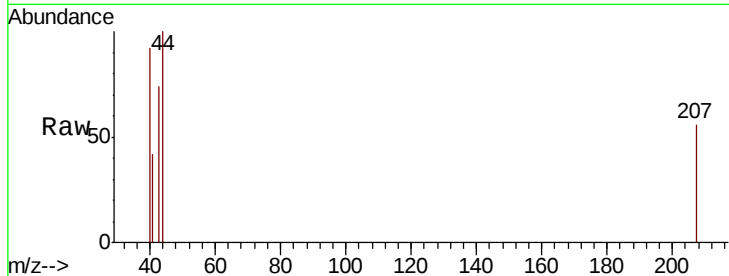




#59
2-Hexanone
Concen: 9.222 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064097.D
Acq: 29 Oct 2019 19:10

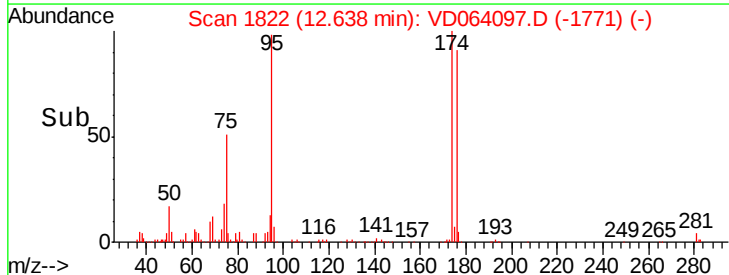
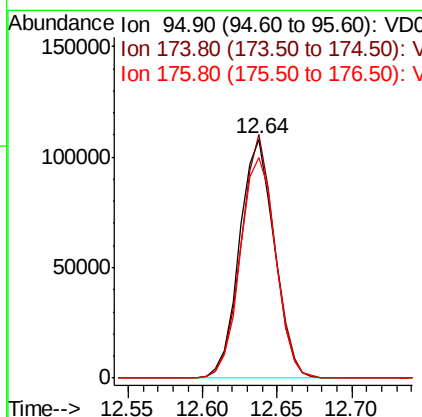
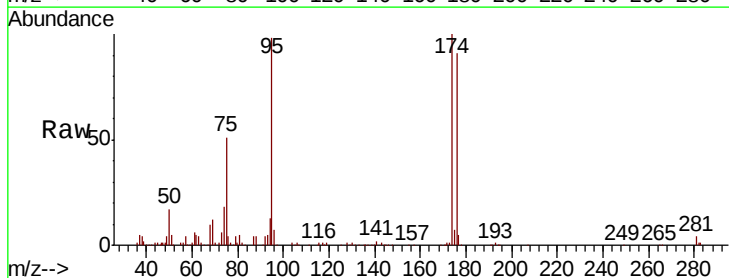
Instrument :
MSVOA_D
ClientSampleId :

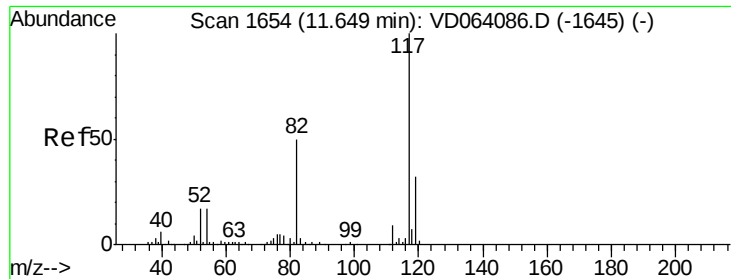
Tot Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
58 30.8 29.2 87.6



#62
4-Bromofluorobenzene
Concen: 49.278 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064097.D
Acq: 29 Oct 2019 19:10

Tgt Ion: 95 Resp: 174876
Ion Ratio Lower Upper
95 100
174 98.5 0.0 201.6
176 94.0 0.0 192.6

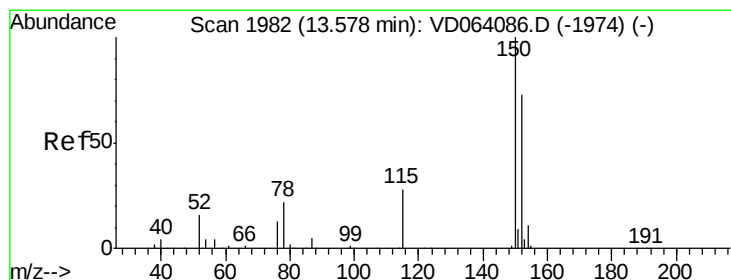
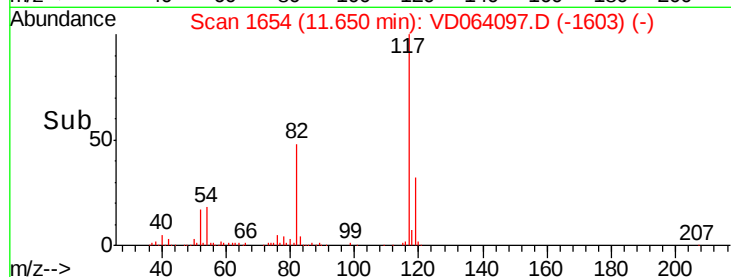
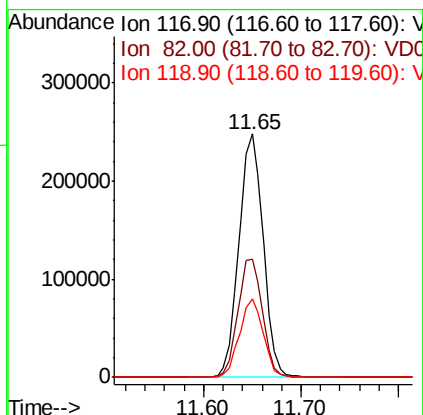
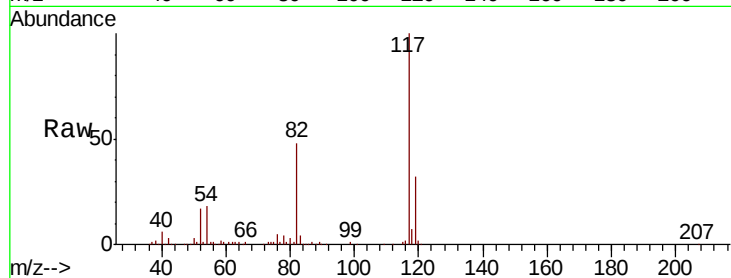




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064097.D
Acq: 29 Oct 2019 19:10

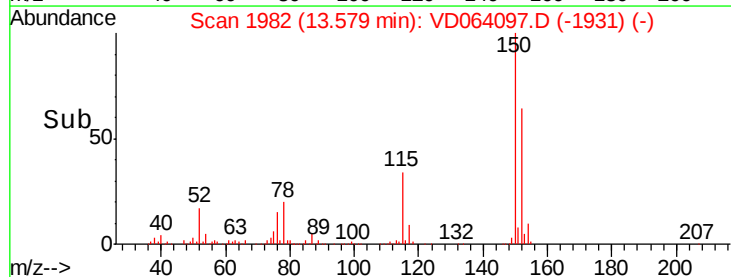
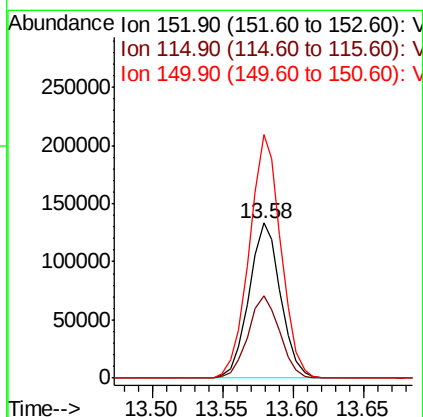
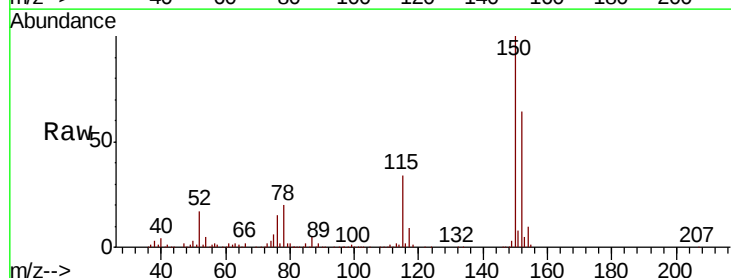
Instrument :
MSVOA_D
ClientSampleId :

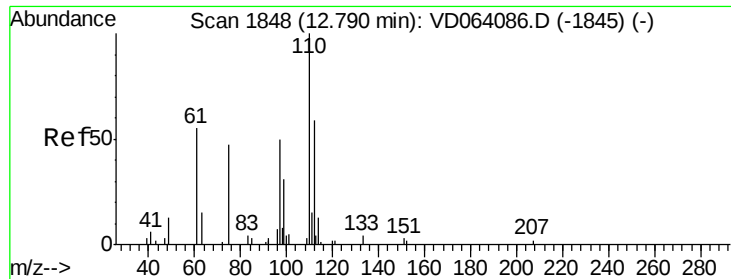
Tot Ion:117 Resp: 429841
Ion Ratio Lower Upper
117 100
82 48.5 40.2 60.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064097.D
Acq: 29 Oct 2019 19:10

Tgt Ion:152 Resp: 210347
Ion Ratio Lower Upper
152 100
115 52.4 26.2 78.6
150 156.1 0.0 338.8





#76

1,2,3-Trichloropropane

Concen: 65.926 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

Instrument :

MSVOA_D

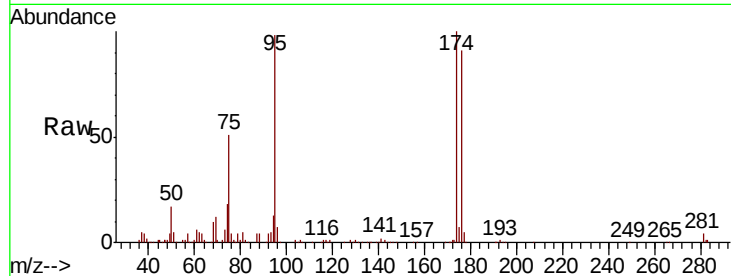
ClientSampleId :

Tot Ion: 75 Resp: 93180

Ion Ratio Lower Upper

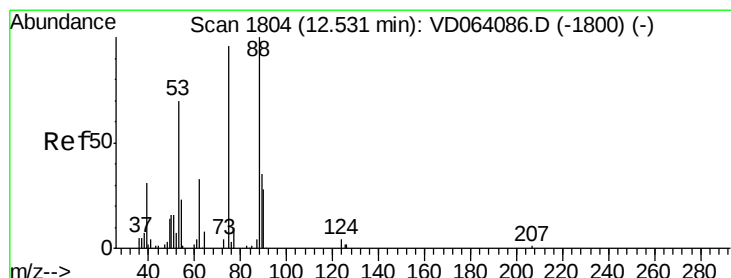
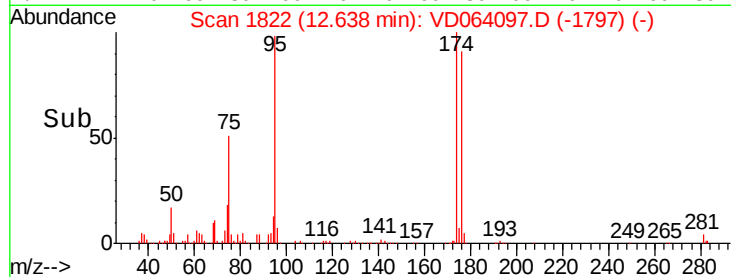
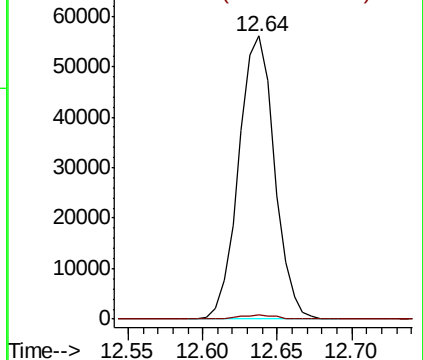
75 100

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: 134.637 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064097.D

Acq: 29 Oct 2019 19:10

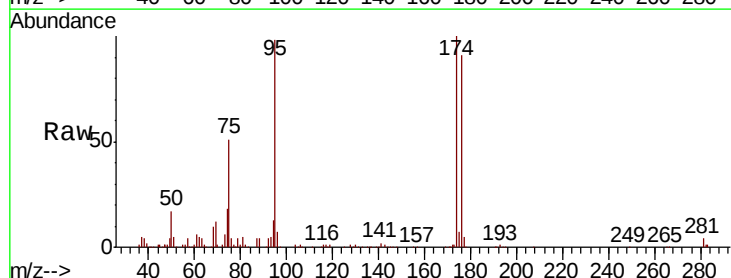
Tgt Ion: 75 Resp: 93180

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.9 55.3#



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

