

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064428.D
 Acq On : 05 Dec 2019 11:08
 Operator : VA/SY
 Sample : VD1205SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

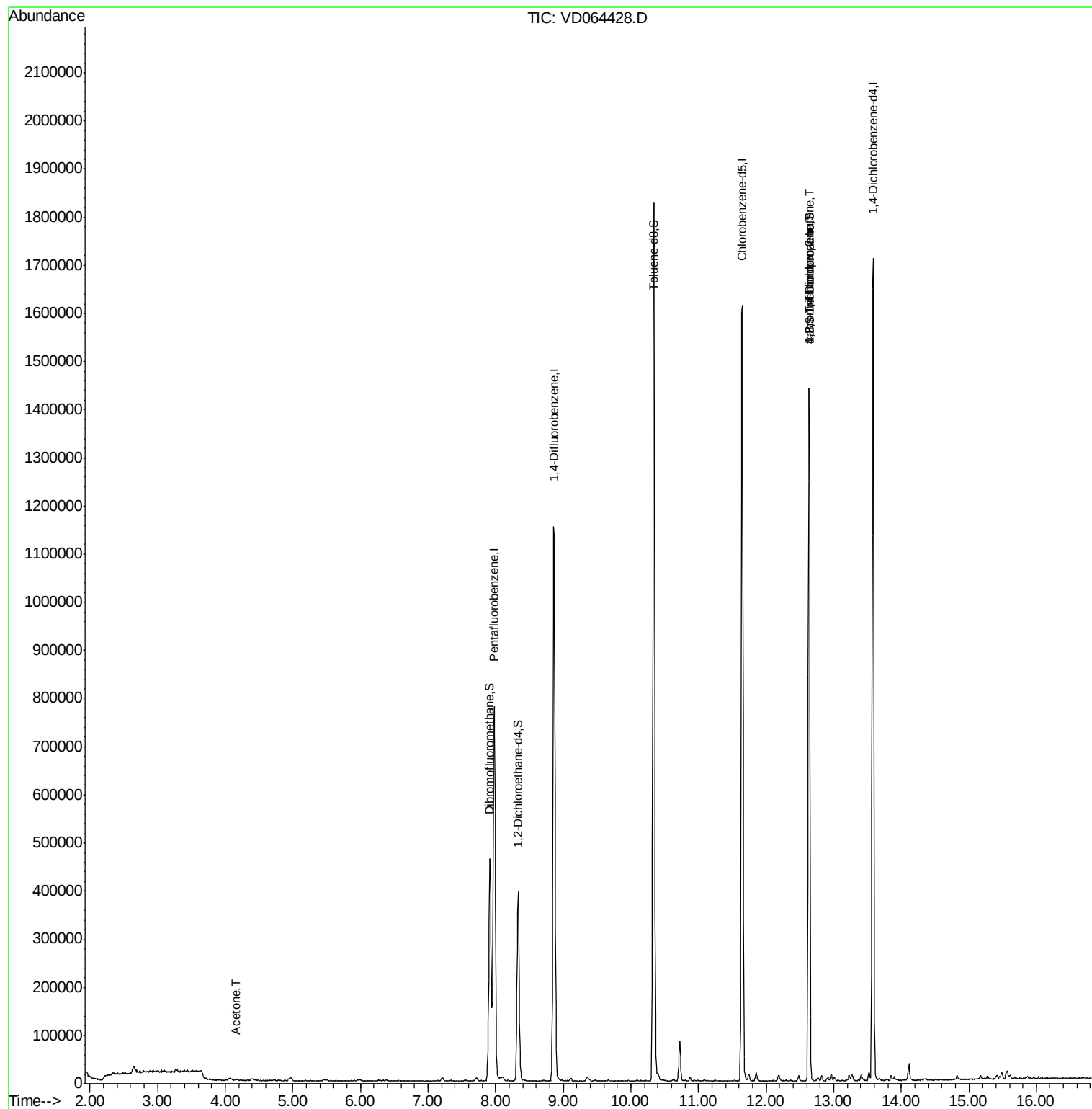
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	628654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	1023989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	953972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	465612	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	309558	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
35) Dibromofluoromethane	7.91	113	322698	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	10.34	98	1241709	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.64	95	408073	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
Target Compounds						
16) Acetone	4.16	43	5357	4.659	ug/l	91
20) Methylene Chloride	4.97	84	5845	Below Cal	#	80
31) Cyclohexane	7.97	56	15008	Below Cal	#	33
76) 1,2,3-Trichloropropane	12.64	75	217128	56.706	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	217128	123.648	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	399	Below Cal	#	26

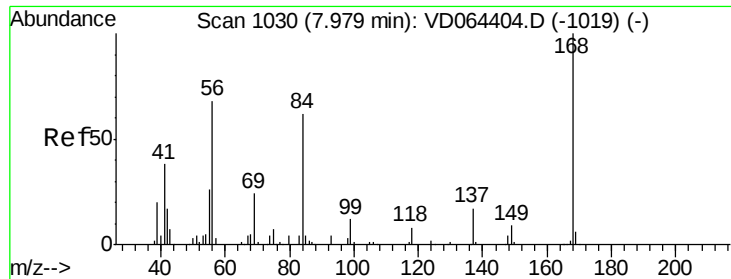
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 05:53:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

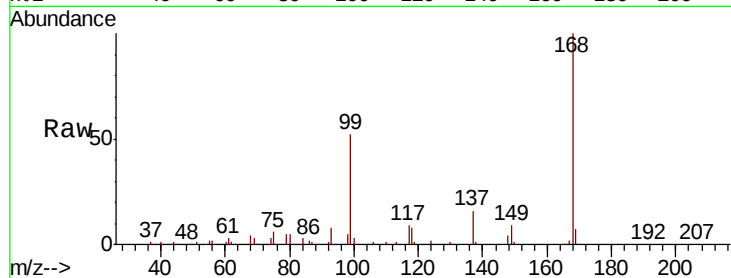
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 628654

Ion Ratio Lower Upper

168 100

99 52.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

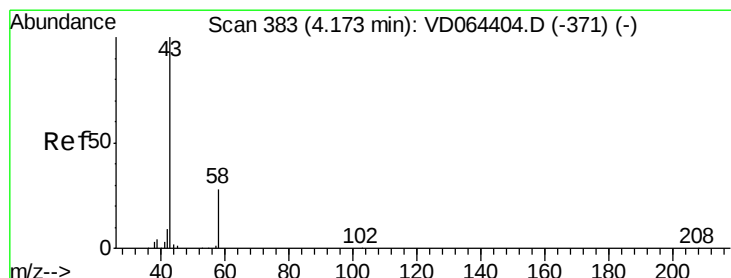
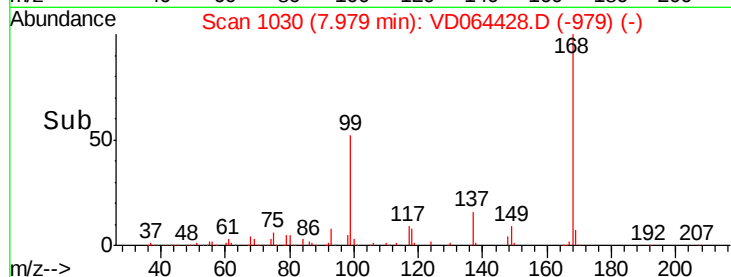
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.659 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064428.D

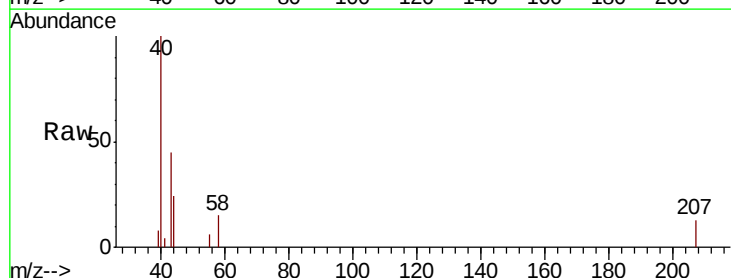
Acq: 05 Dec 2019 11:08

Tgt Ion: 43 Resp: 5357

Ion Ratio Lower Upper

43 100

58 32.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

2000

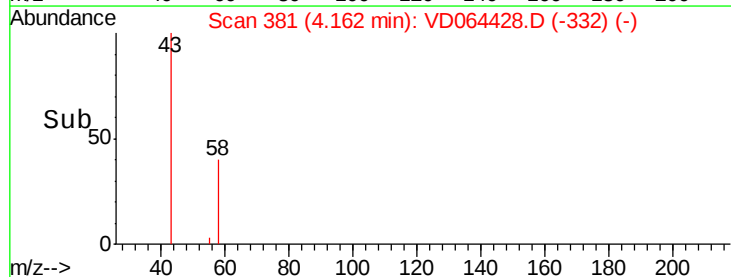
1500

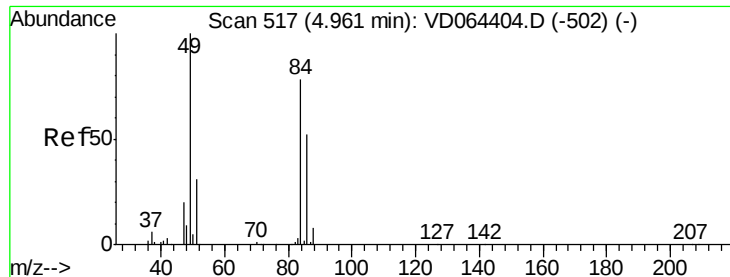
1000

500

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 5845

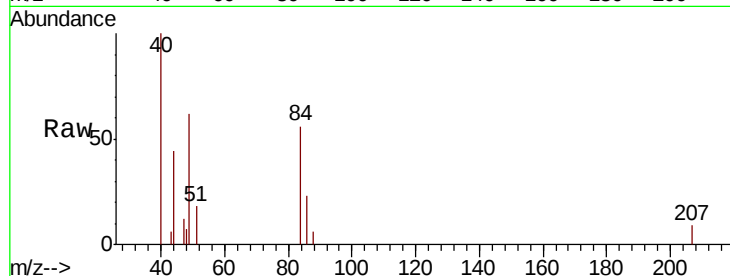
Ion Ratio Lower Upper

84 100

49 109.7 102.6 153.8

51 31.4 32.0 48.0#

86 40.9 53.4 80.0#

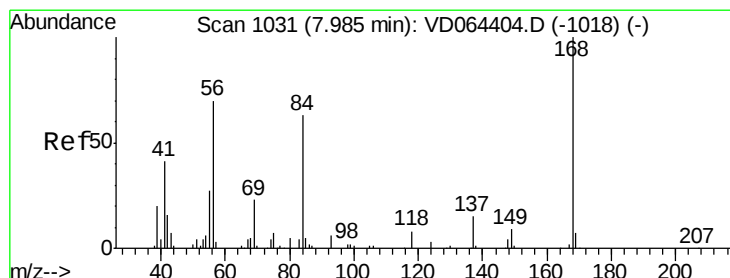
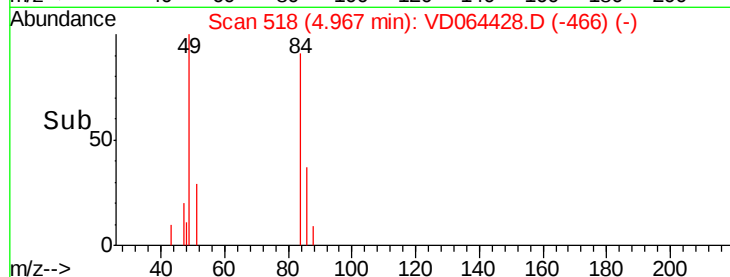
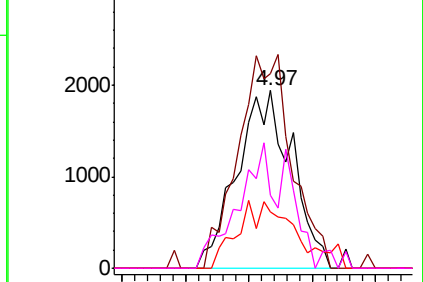


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

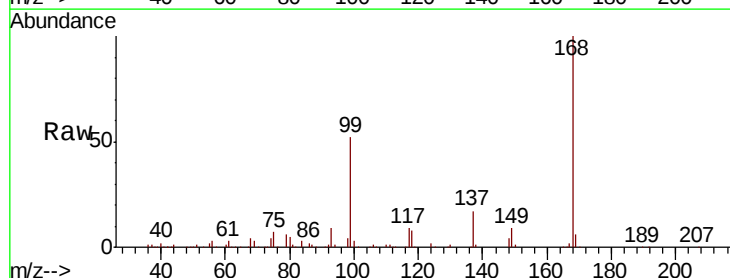
Tgt Ion: 56 Resp: 15008

Ion Ratio Lower Upper

56 100

69 126.7 26.2 39.4#

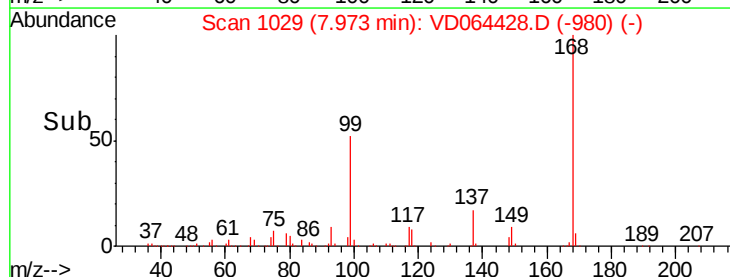
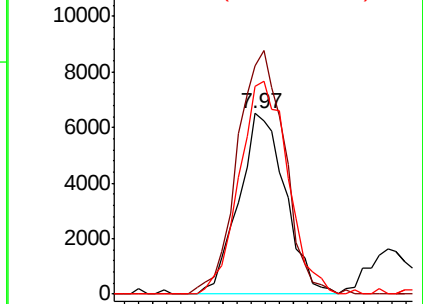
84 115.0 70.3 105.5#

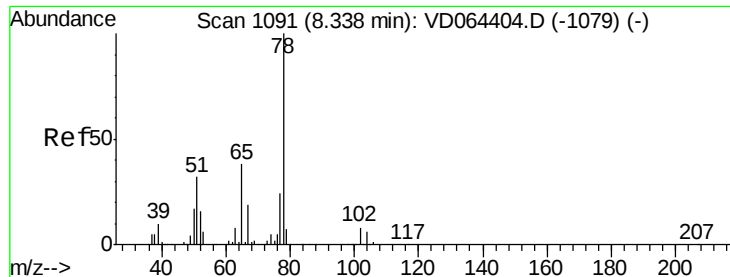


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

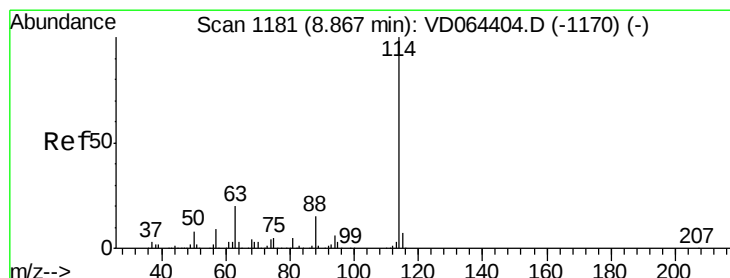
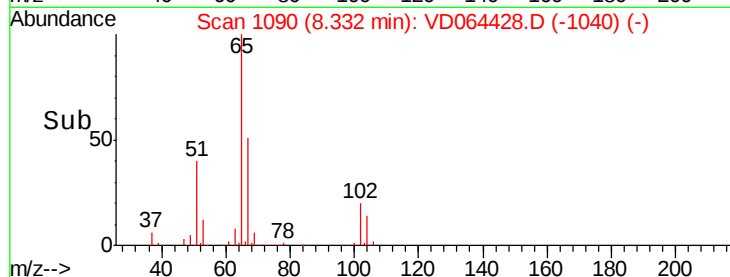
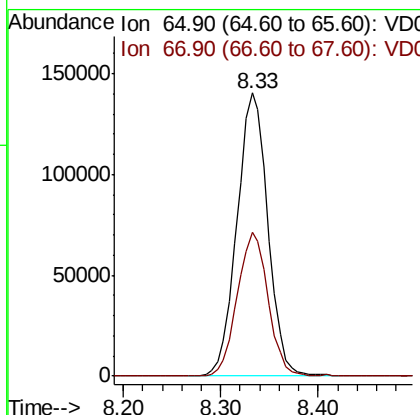
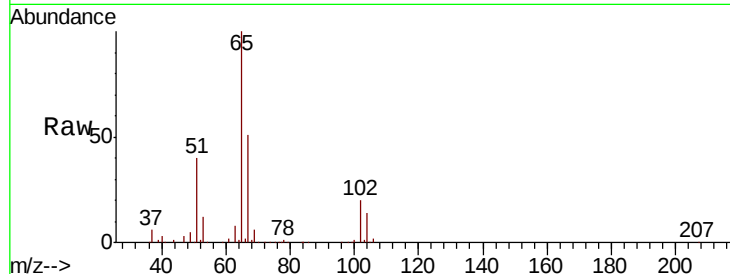




#33
 1,2-Dichloroethane-d4
 Concen: 54.402 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064428.D
 Acq: 05 Dec 2019 11:08

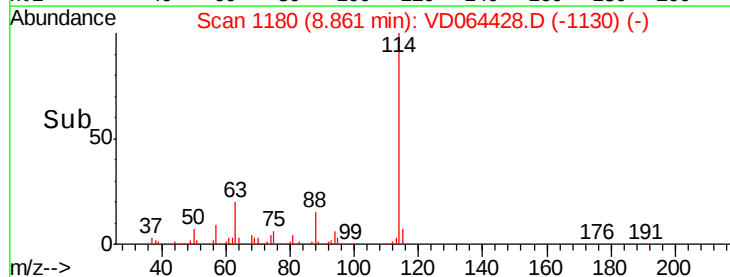
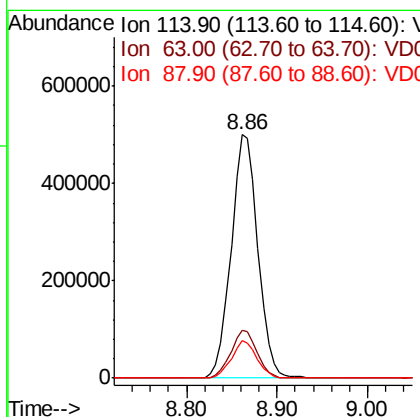
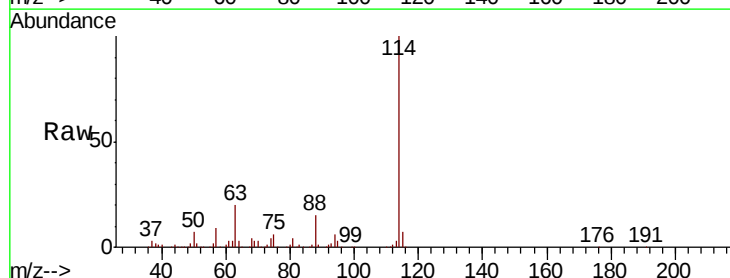
Instrument :
 MSVOA_D
 ClientSampled :

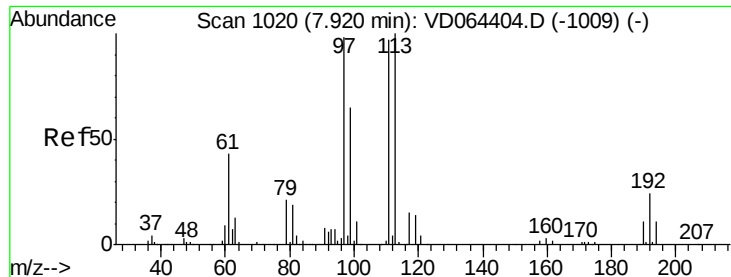
Tot Ion: 65 Resp: 309558
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064428.D
 Acq: 05 Dec 2019 11:08

Tgt Ion: 114 Resp: 1023989
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.3 0.0 29.2

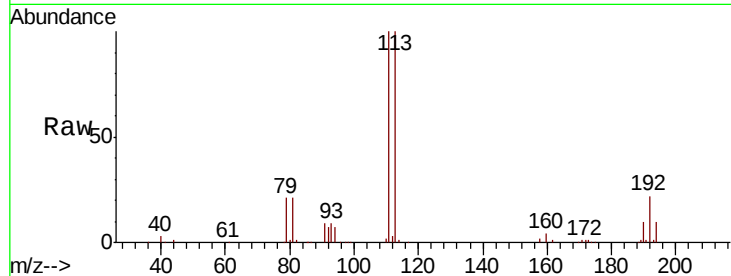




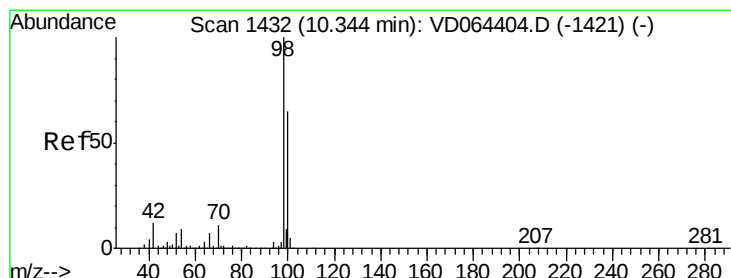
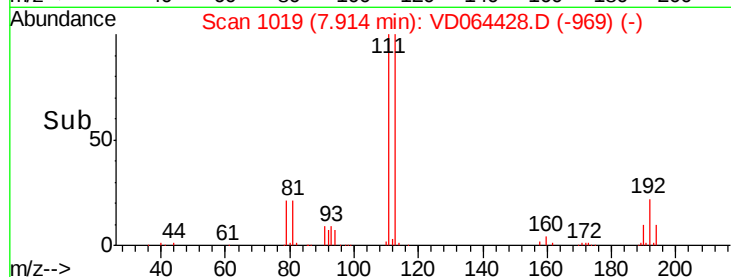
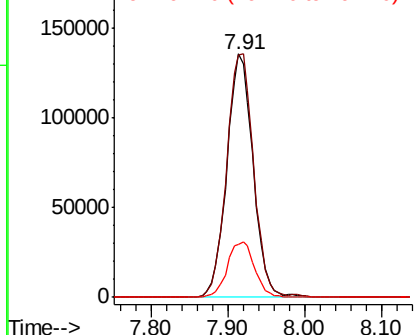
#35
 Dibromofluoromethane
 Concen: 50.018 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064428.D
 Acq: 05 Dec 2019 11:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 322698
 Ion Ratio Lower Upper
 113 100
 111 102.6 79.4 119.2
 192 23.5 18.6 28.0

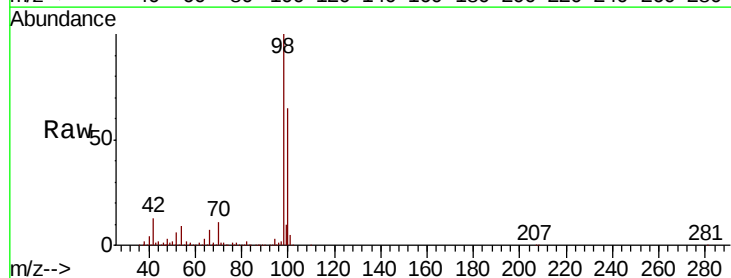


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

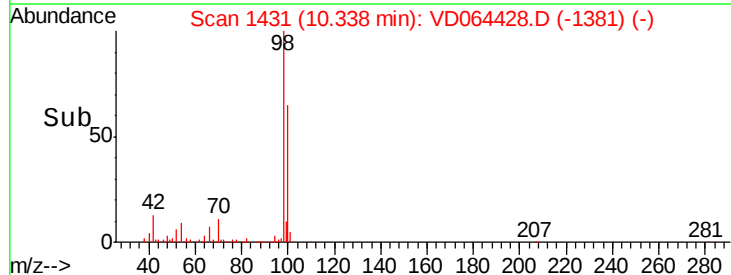
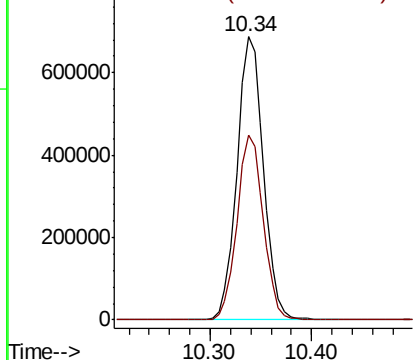


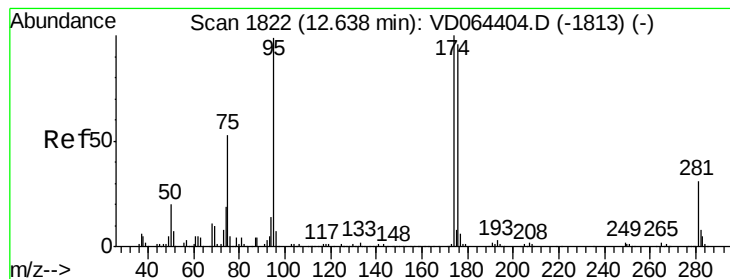
#50
 Toluene-d8
 Concen: 51.094 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064428.D
 Acq: 05 Dec 2019 11:08

Tgt Ion: 98 Resp: 1241709
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.6 79.0



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





#62

4-Bromofluorobenzene

Concen: 52.249 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

Instrument :

MSVOA_D

ClientSampleId :

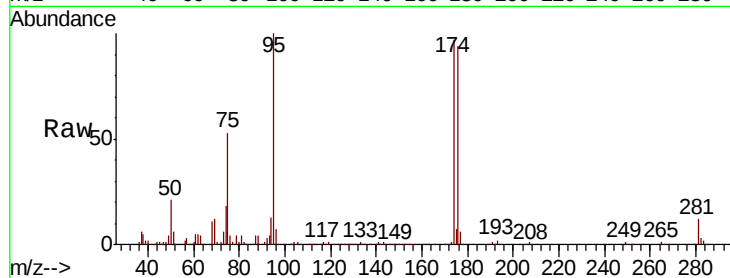
Tot Ion: 95 Resp: 408073

Ion Ratio Lower Upper

95 100

174 97.1 0.0 197.2

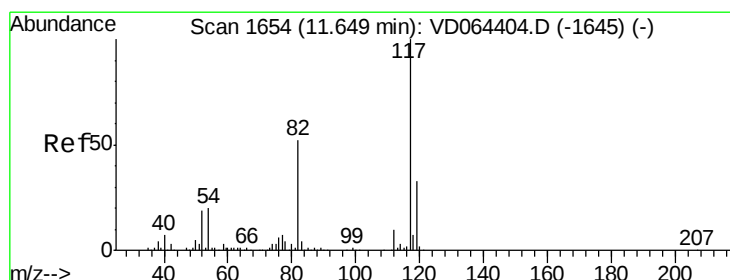
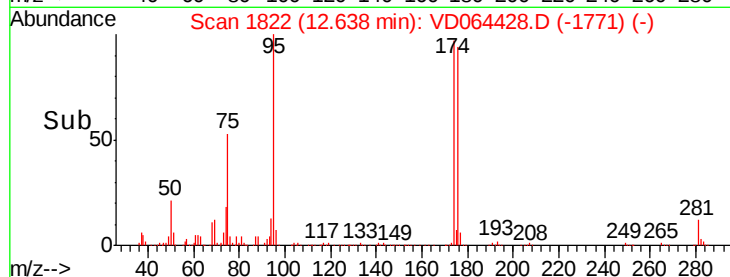
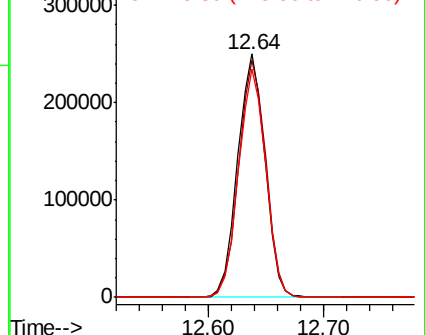
176 93.6 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

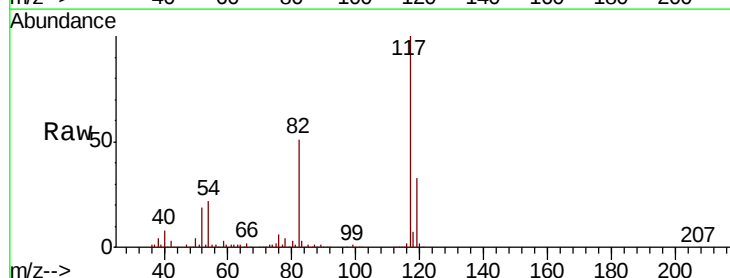
Tgt Ion: 117 Resp: 953972

Ion Ratio Lower Upper

117 100

82 51.5 41.4 62.2

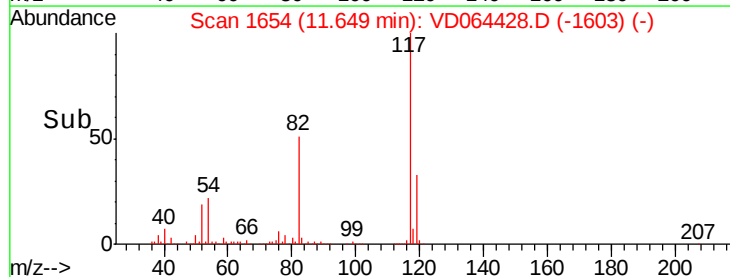
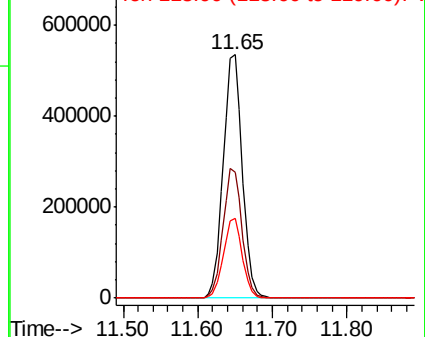
119 33.0 26.2 39.2

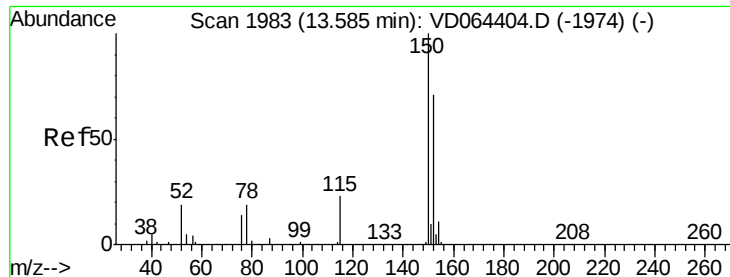


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

Instrument :

MSVOA_D

ClientSampleId :

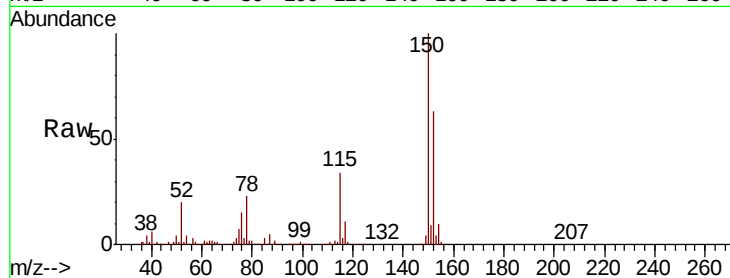
Tot Ion:152 Resp: 465612

Ion Ratio Lower Upper

152 100

115 54.6 26.7 80.1

150 156.7 0.0 347.2



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

600000

500000

400000

300000

200000

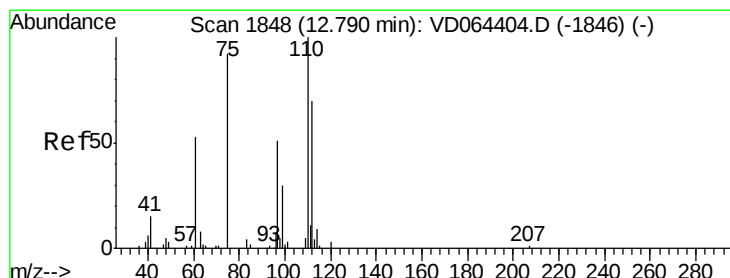
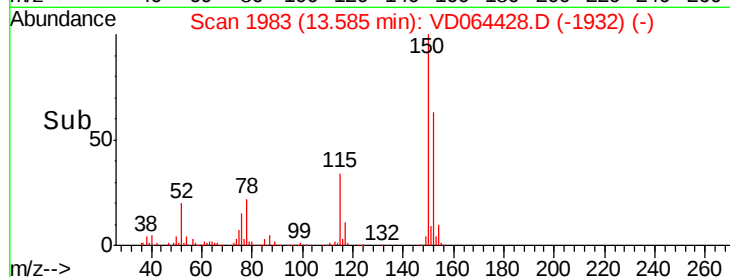
100000

0

13.50

13.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 56.706 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064428.D

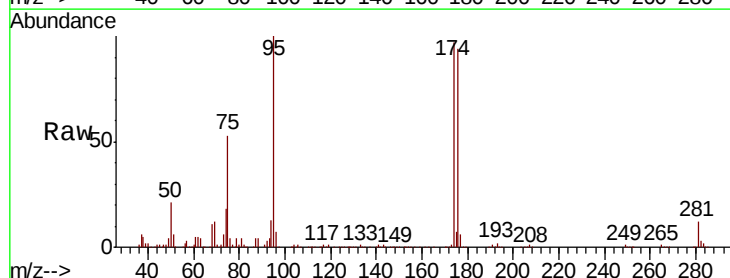
Acq: 05 Dec 2019 11:08

Tgt Ion: 75 Resp: 217128

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

150000

100000

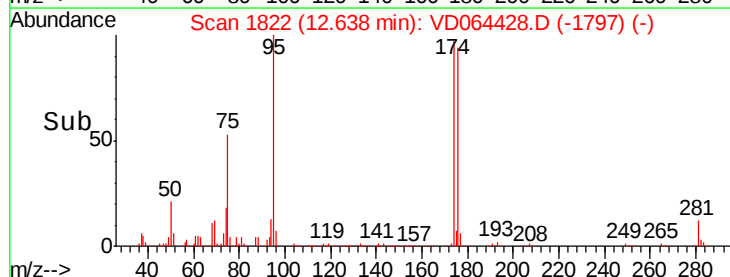
50000

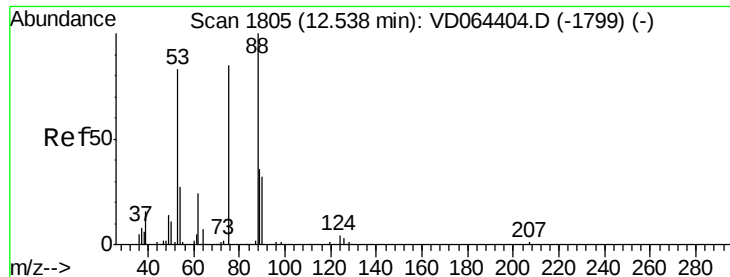
0

12.60

12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 123.648 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

Instrument :

MSVOA_D

ClientSampleId :

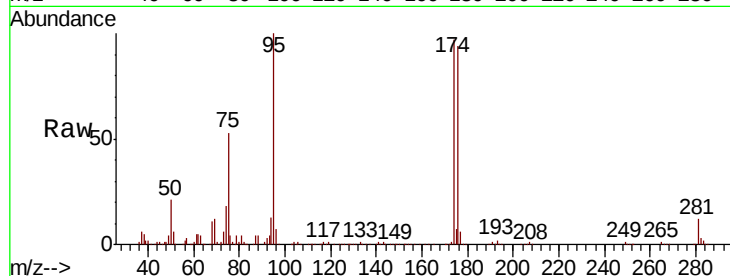
Tot Ion: 75 Resp: 217128

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

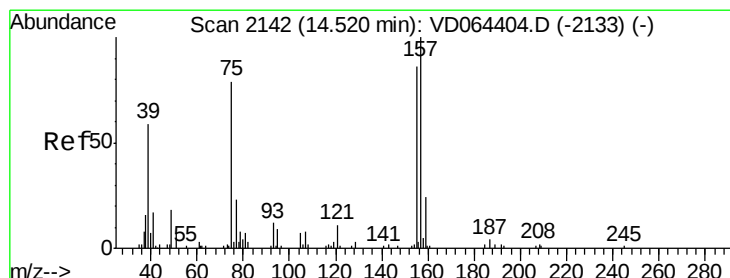
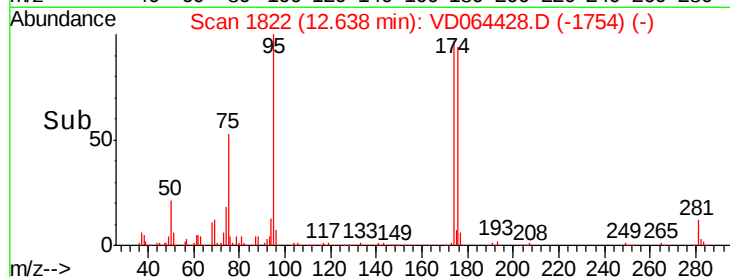
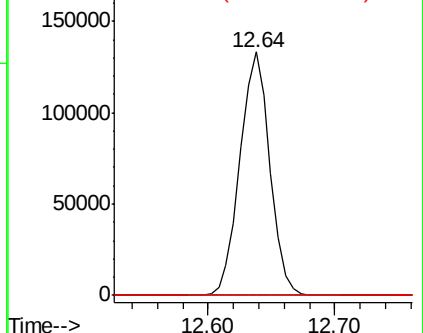
89 0.0 38.5 57.7#



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: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064428.D

Acq: 05 Dec 2019 11:08

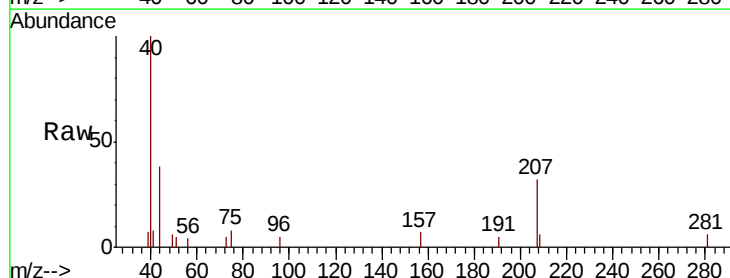
Tgt Ion: 75 Resp: 399

Ion Ratio Lower Upper

75 100

155 17.5 51.9 155.7#

157 51.6 63.2 189.8#



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

