

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065084.D
 Acq On : 06 Feb 2020 13:59
 Operator : VA/SY
 Sample : L1394-01
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:08:54 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	331283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	552584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	587098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	197480	70.14	ug/l	0.00
Spiked Amount						
			Recovery	=	140.28%	
35) Dibromofluoromethane	7.92	113	188591	61.17	ug/l	0.00
Spiked Amount						
			Recovery	=	122.34%	
50) Toluene-d8	10.34	98	682362	55.61	ug/l	0.00
Spiked Amount						
			Recovery	=	111.22%	
62) 4-Bromofluorobenzene	12.64	95	255946	65.82	ug/l	0.00
Spiked Amount						
			Recovery	=	131.64%	

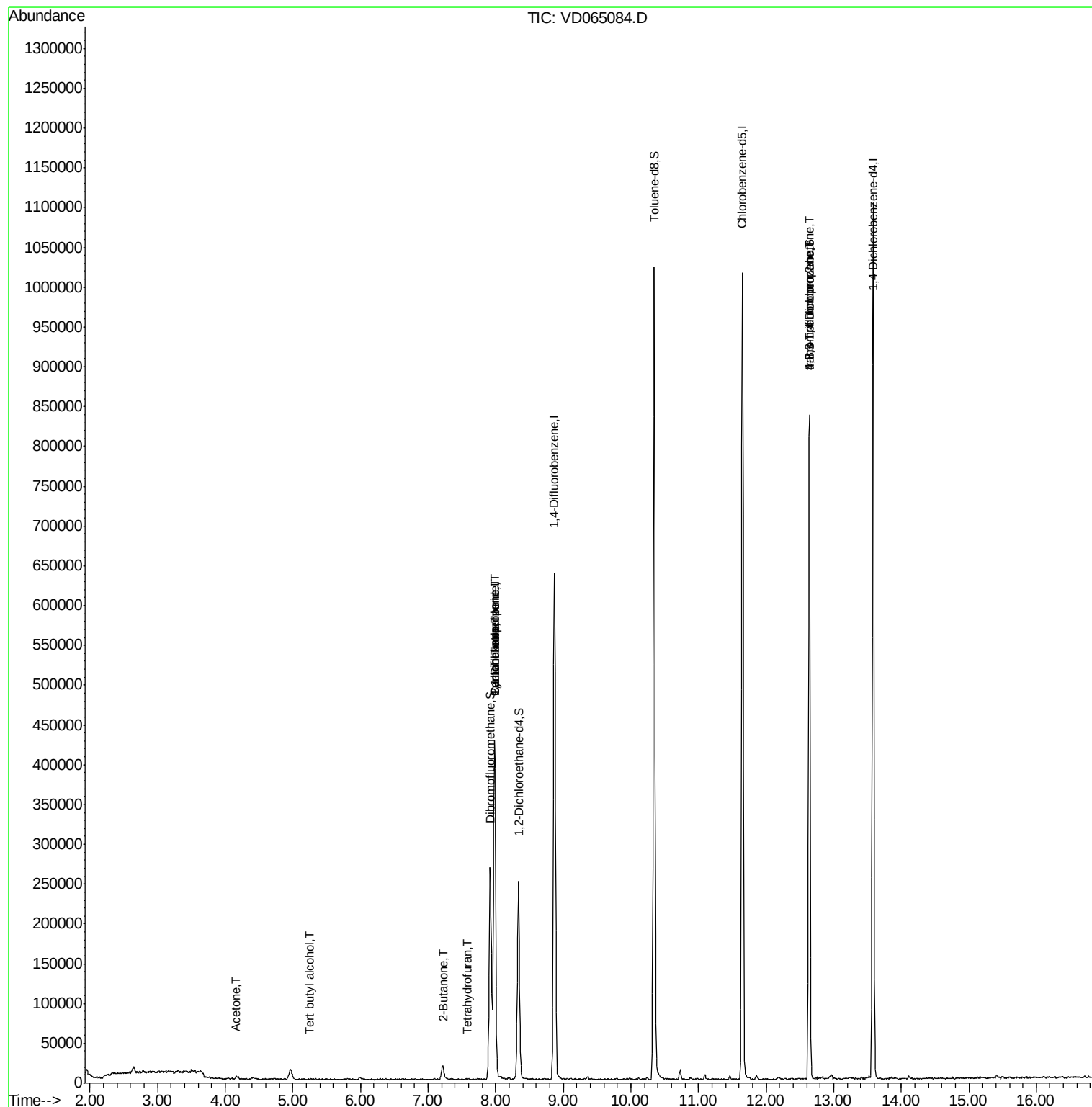
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	182	1.058	ug/l #	71
16) Acetone	4.17	43	5780	8.211	ug/l	92
20) Methylene Chloride	4.97	84	9036	Below Cal	#	93
25) 2-Butanone	7.23	43	1904	2.267	ug/l #	89
29) Tetrahydrofuran	7.58	42	658	1.296	ug/l #	61
31) Cyclohexane	7.98	56	7816	1.395	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	24232	4.716	ug/l #	48
38) Carbon Tetrachloride	7.98	117	31162	5.938	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.96	63	125	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	134405	60.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134405	121.611	ug/l #	10

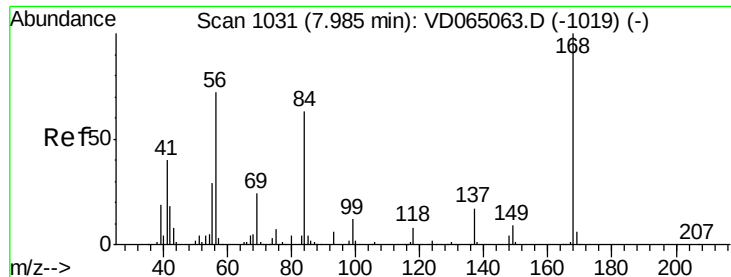
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
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Quant Time: Feb 07 06:08:54 2020
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: VD065084.D

Acq: 06 Feb 2020 13:59

Instrument :

MSVOA_D

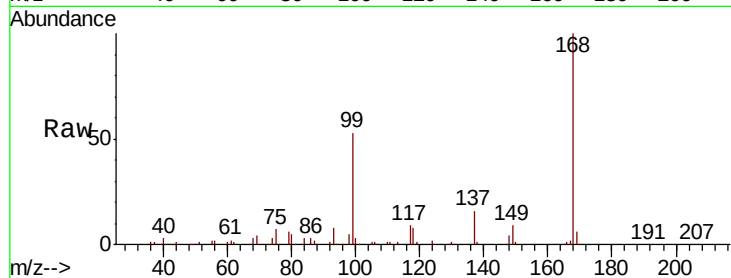
ClientSampleId :

Tot Ion:168 Resp: 331283

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): VDC

150000

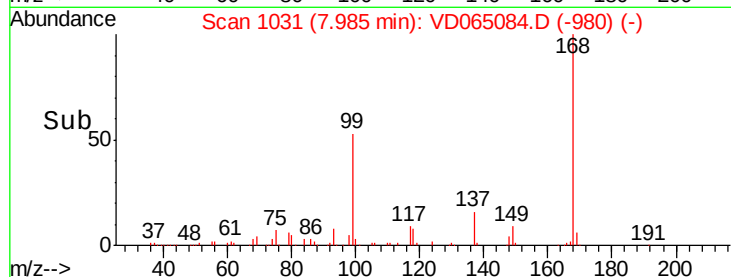
100000

50000

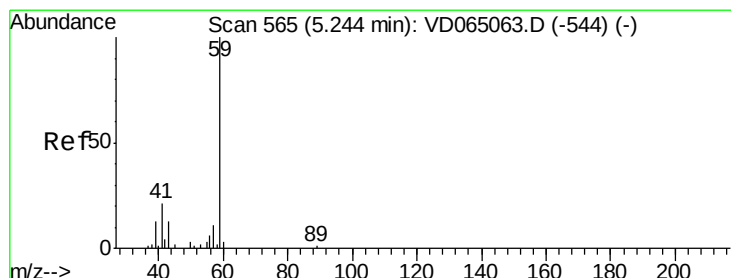
0

7.98

7.90 8.00 8.10



Time-->



#11

Tert butyl alcohol

Concen: 1.058 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065084.D

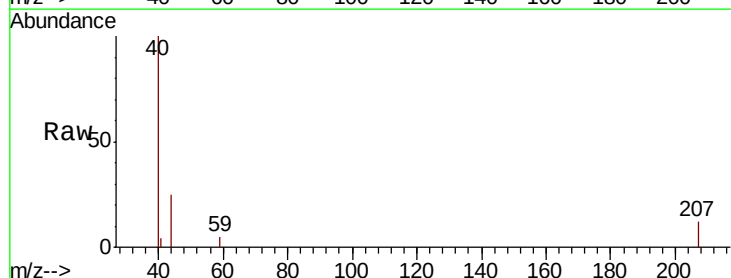
Acq: 06 Feb 2020 13:59

Tgt Ion: 59 Resp: 182

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

200

150

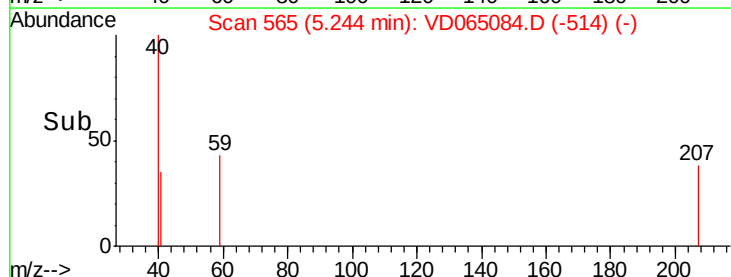
100

50

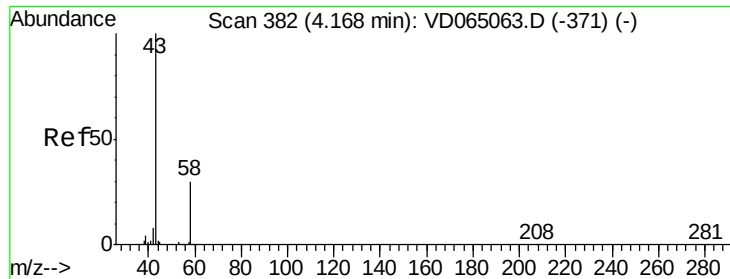
0

5.24

5.22 5.24 5.26



Time-->



#16

Acetone

Concen: 8.211 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

Instrument :

MSVOA_D

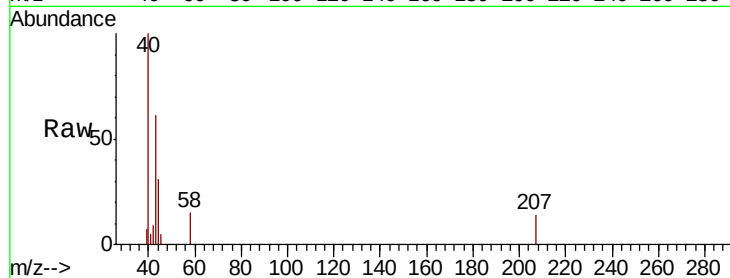
ClientSampled :

Tot Ion: 43 Resp: 5780

Ion Ratio Lower Upper

43 100

58 25.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

1500

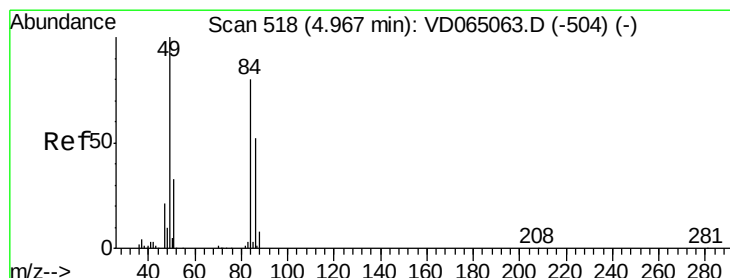
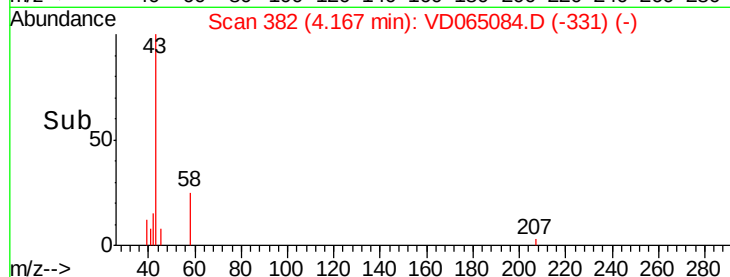
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

Tgt Ion: 84 Resp: 9036

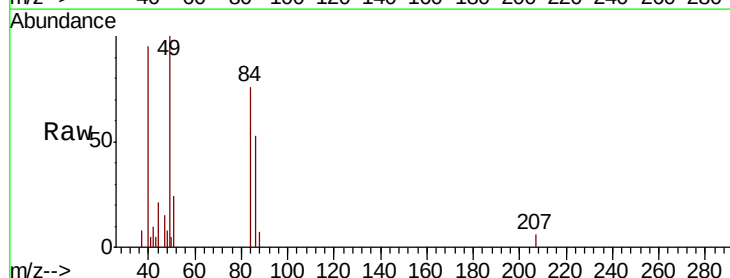
Ion Ratio Lower Upper

84 100

49 130.9 100.4 150.6

51 30.9 32.7 49.1#

86 69.9 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

6000

5000

4000

3000

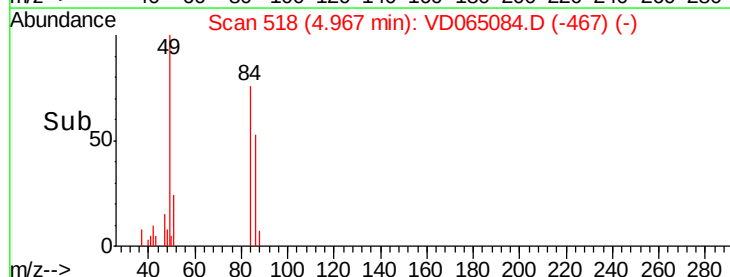
2000

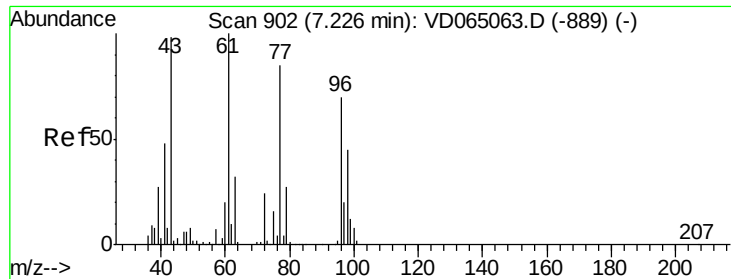
1000

0

4.90 5.00

Time-->





#25

2-Butanone

Concen: 2.267 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

Instrument :

MSVOA_D

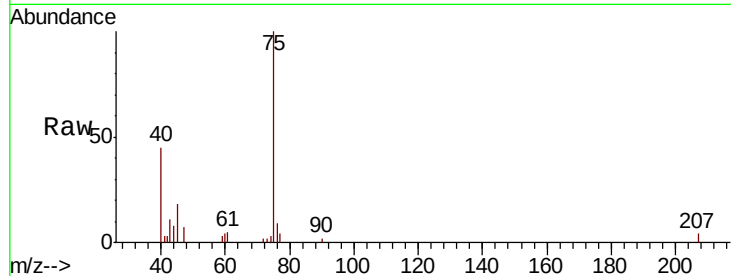
ClientSampled :

Tot Ion: 43 Resp: 1904

Ion Ratio Lower Upper

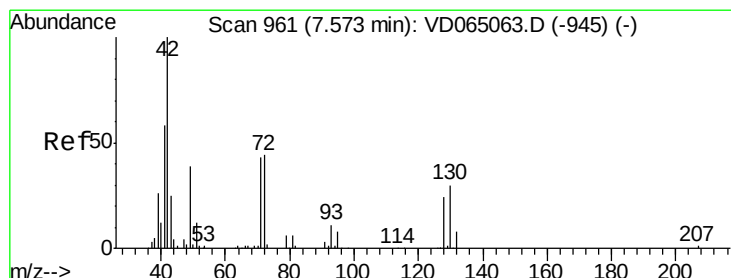
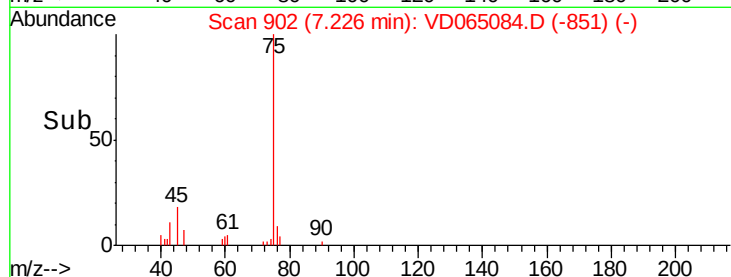
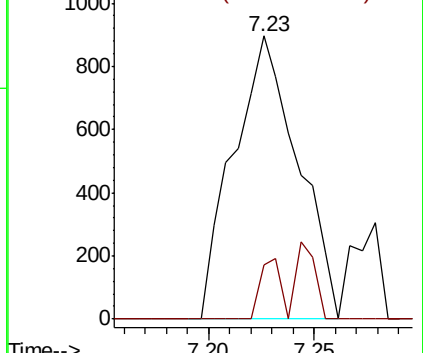
43 100

72 19.2 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.296 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

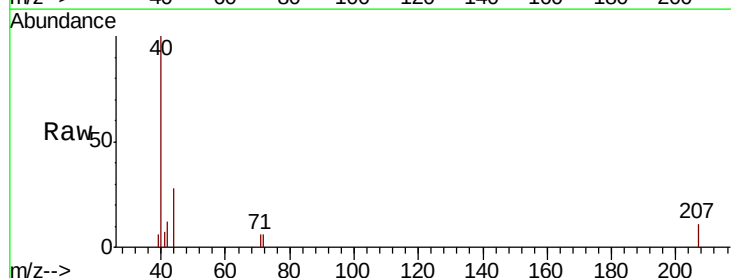
Tgt Ion: 42 Resp: 658

Ion Ratio Lower Upper

42 100

72 10.0 34.2 51.4#

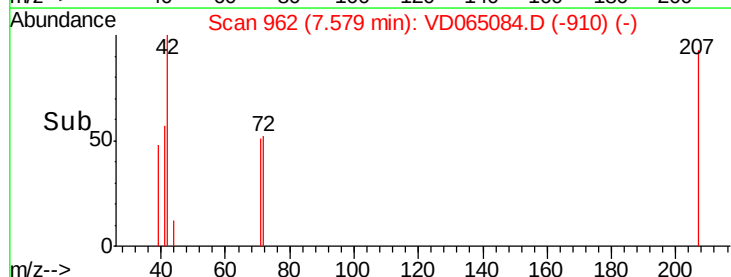
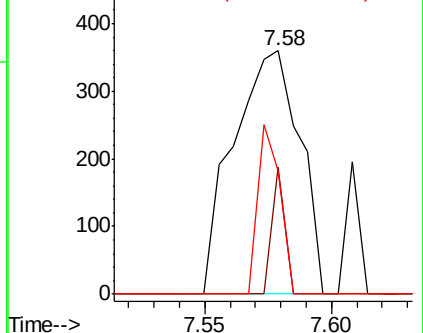
71 23.3 31.8 47.6#

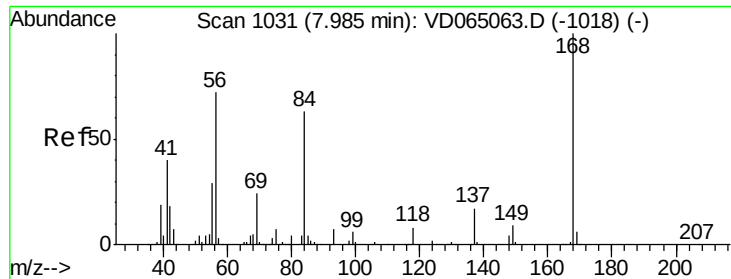


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

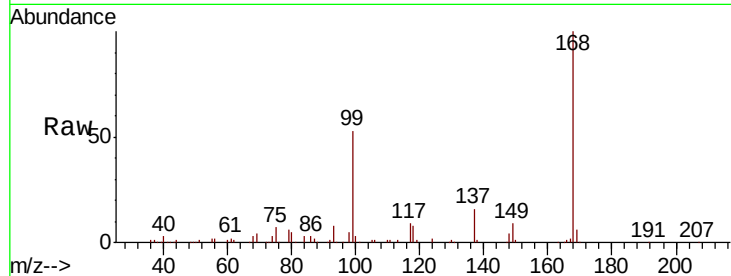




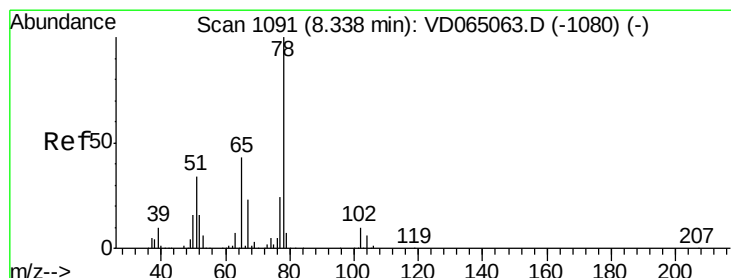
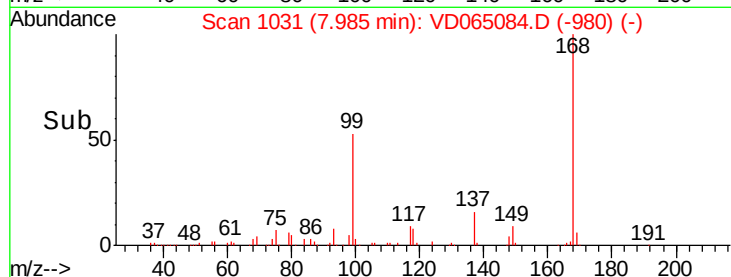
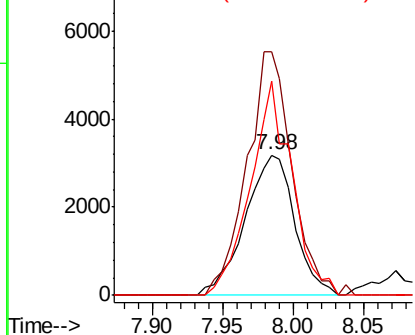
#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 7816
Ion Ratio Lower Upper
56 100
69 173.6 26.6 40.0#
84 152.5 70.6 106.0#

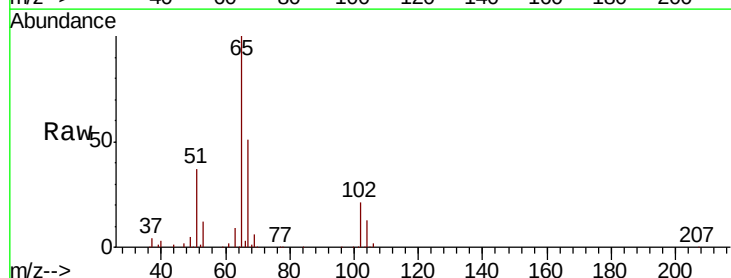


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

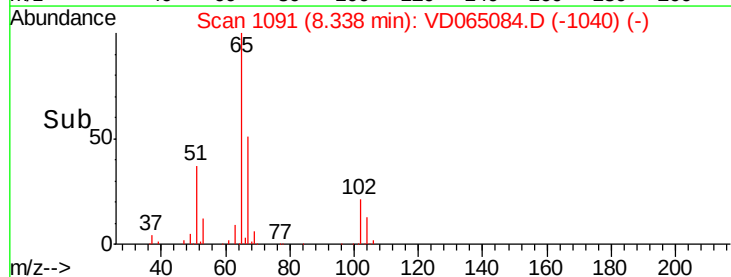
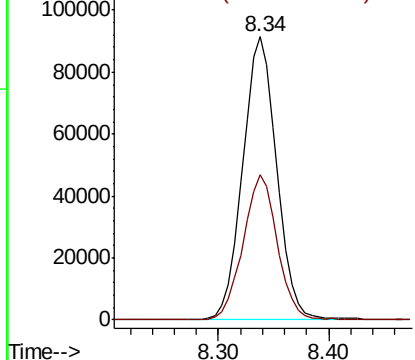


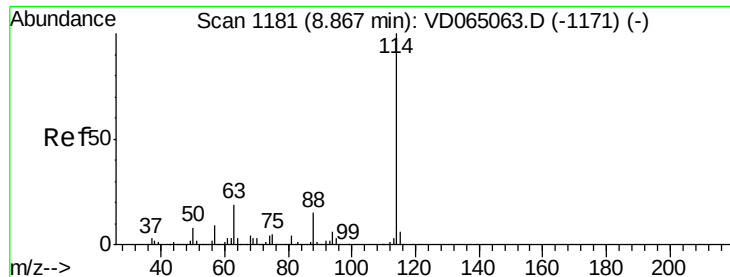
#33
1,2-Dichloroethane-d4
Concen: 70.137 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

Tgt Ion: 65 Resp: 197480
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.8



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

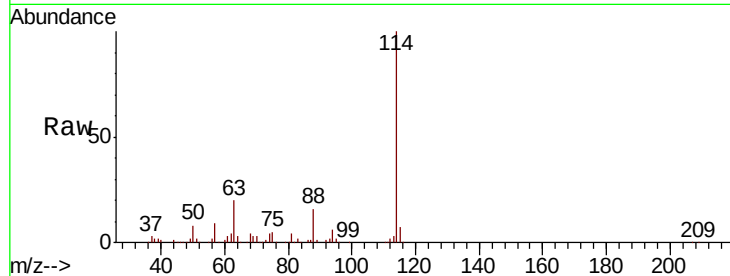




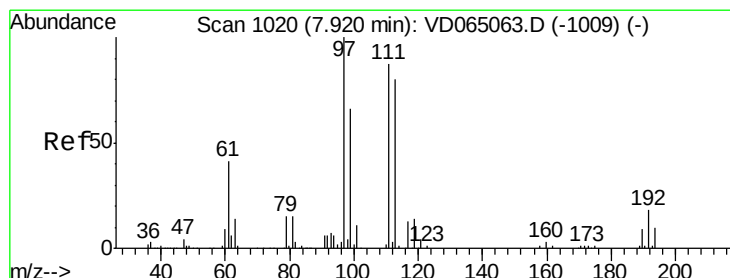
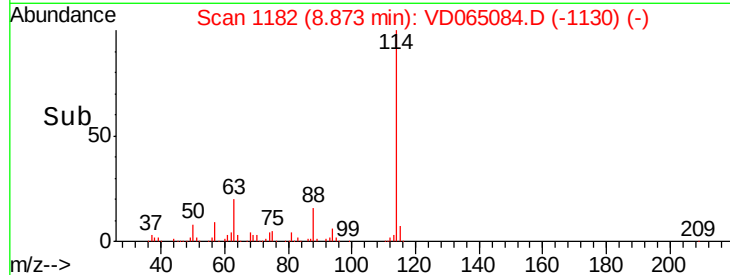
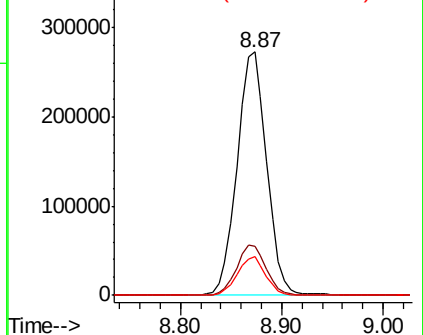
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065084.D
 Acq: 06 Feb 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.8
88	15.9	0.0	29.6

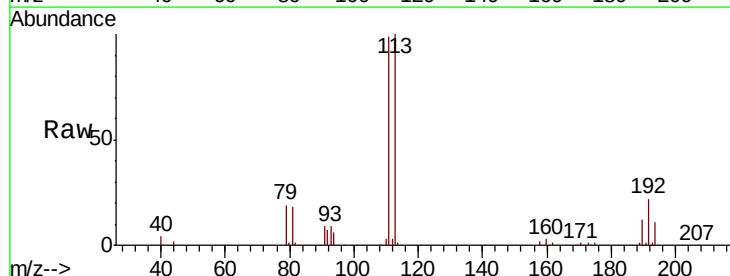


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

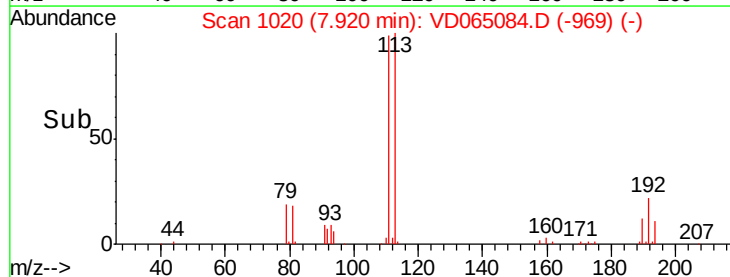
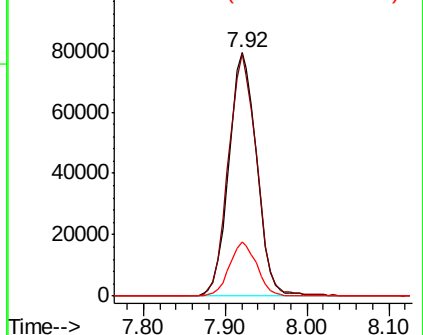


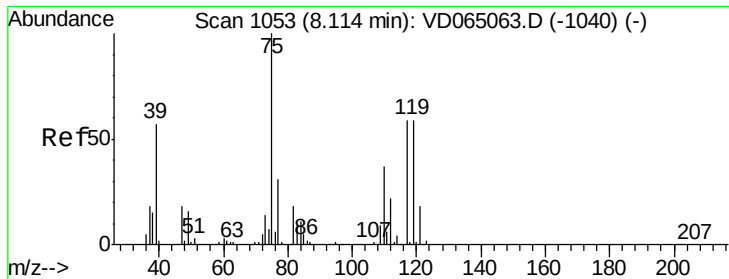
#35
 Dibromofluoromethane
 Concen: 61.170 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065084.D
 Acq: 06 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.1	124.7
192	21.9	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

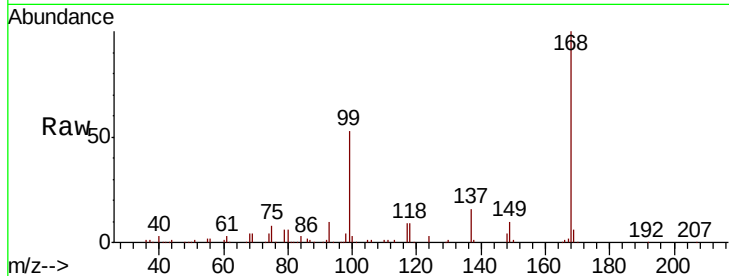




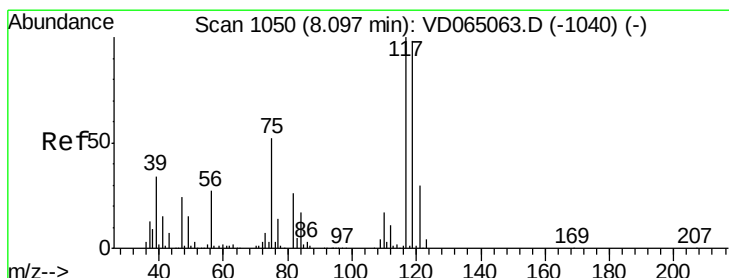
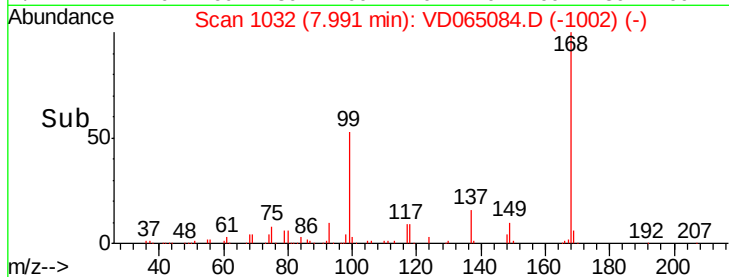
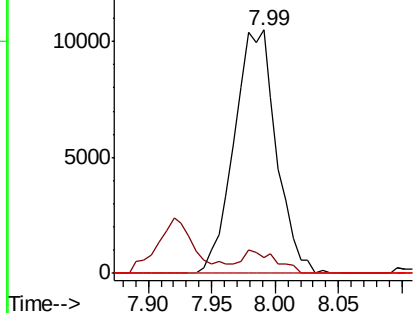
#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD065084.D
 Acq: 06 Feb 2020 13:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	24.7	37.1#

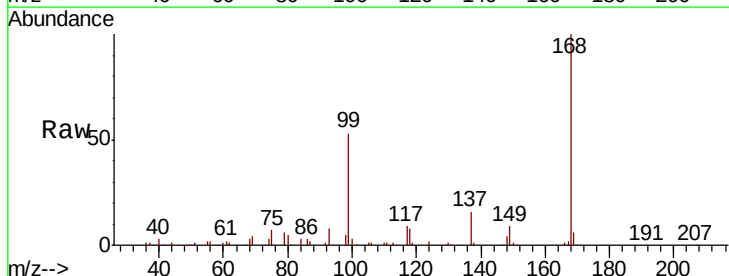


Abundance Ion 74.90 (74.60 to 75.60): VD065084.D (-999) (-)
 Ion 109.90 (109.60 to 110.60): VD065084.D (-999) (-)
 Ion 76.90 (76.60 to 77.60): VD065084.D (-999) (-)

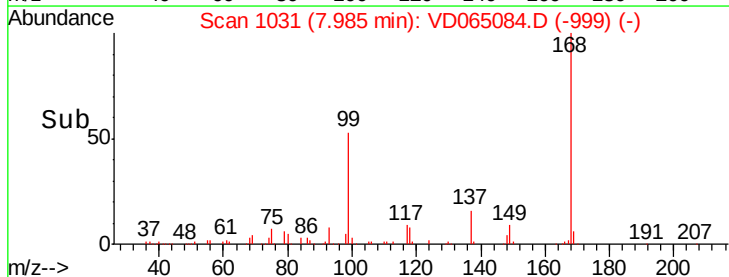
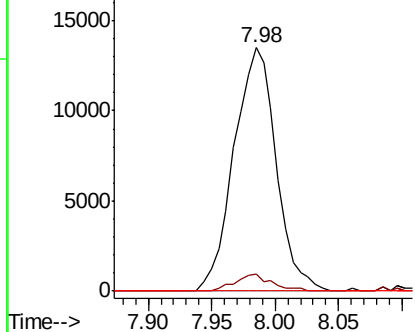


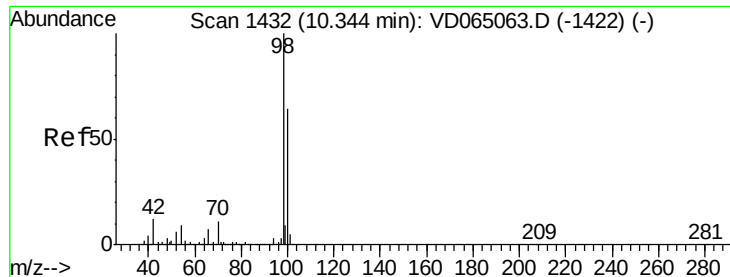
#38
 Carbon Tetrachloride
 Concen: 5.938 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065084.D
 Acq: 06 Feb 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.5	117.7#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VD065084.D (-999) (-)
 Ion 118.80 (118.50 to 119.50): VD065084.D (-999) (-)
 Ion 120.80 (120.50 to 121.50): VD065084.D (-999) (-)

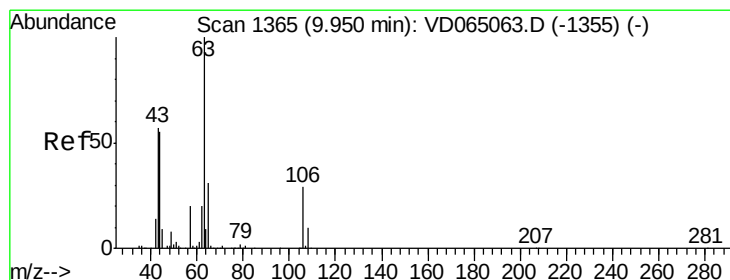
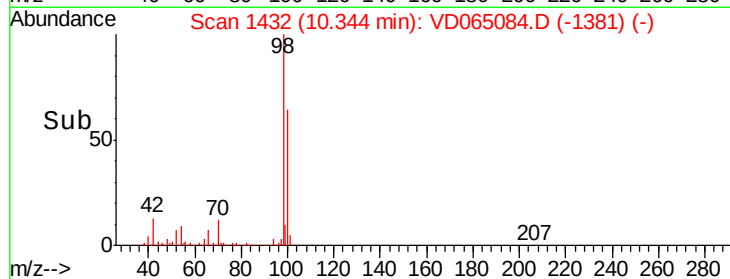
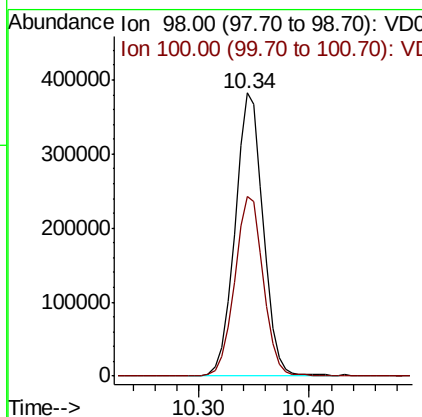
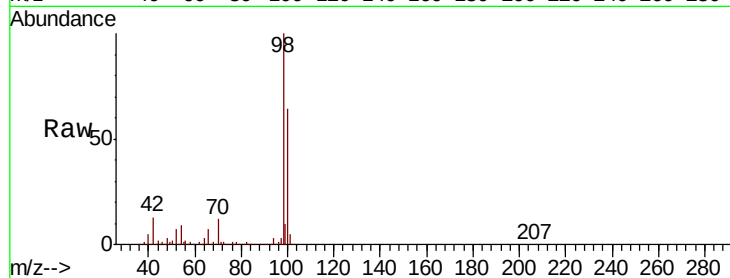




#50
Toluene-d8
Concen: 55.605 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

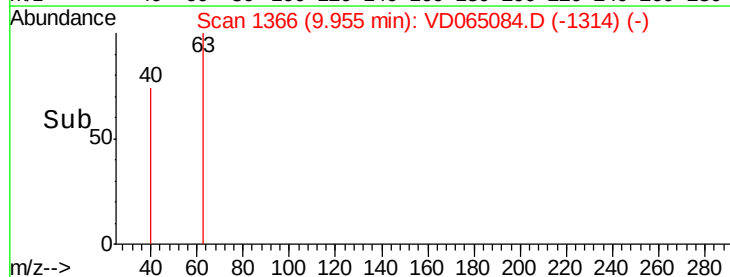
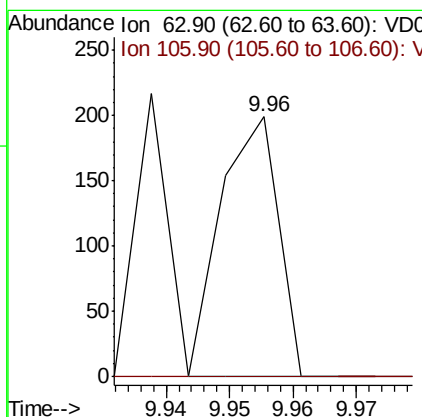
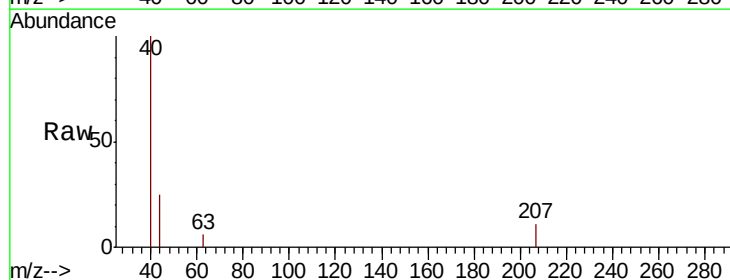
Instrument :
MSVOA_D
ClientSampled :

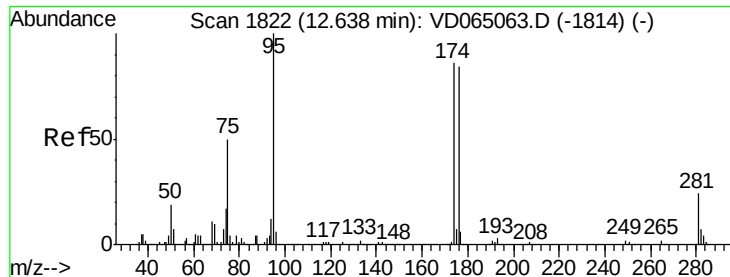
Tot Ion: 98 Resp: 682362
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

Tgt Ion: 63 Resp: 125
Ion Ratio Lower Upper
63 100
106 0.0 23.3 34.9#





#62

4-Bromofluorobenzene

Concen: 65.823 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

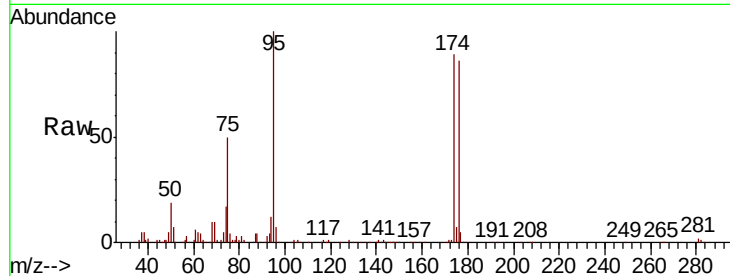
Tot Ion: 95 Resp: 255946

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

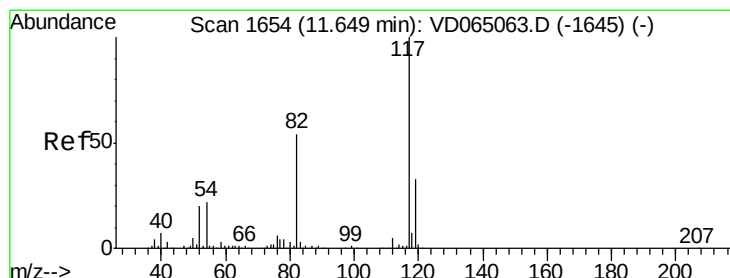
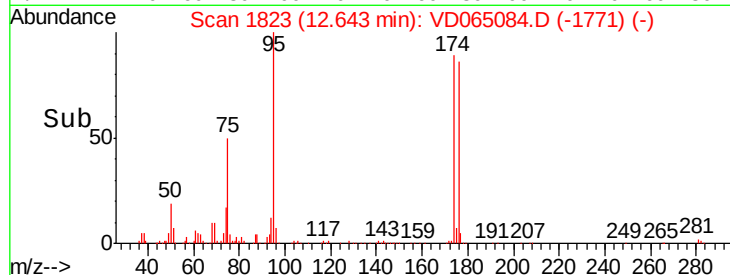
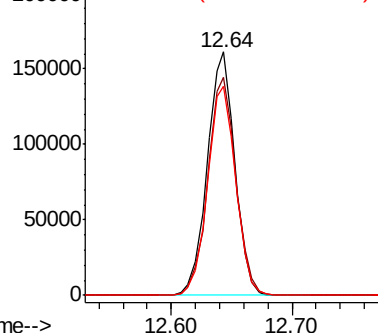
176 87.8 0.0 173.2



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: VD065084.D

Acq: 06 Feb 2020 13:59

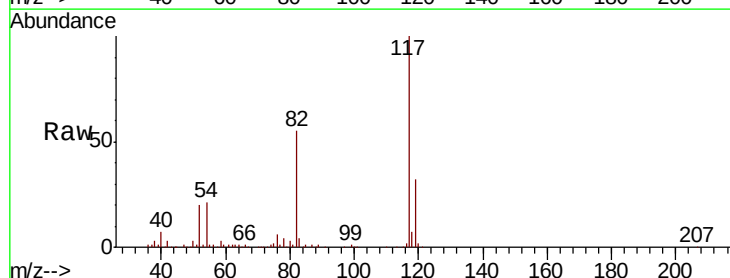
Tgt Ion: 117 Resp: 587098

Ion Ratio Lower Upper

117 100

82 55.5 43.1 64.7

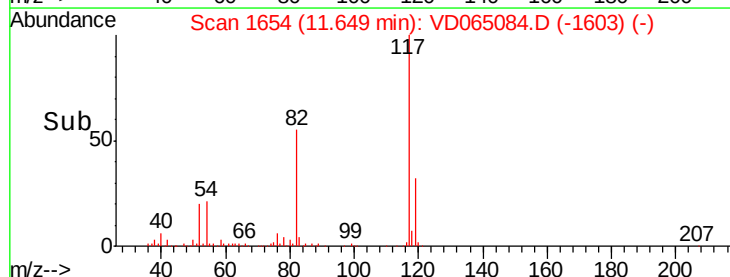
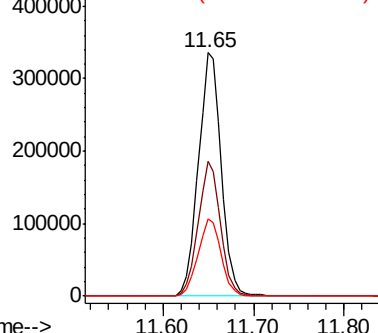
119 31.7 26.0 39.0

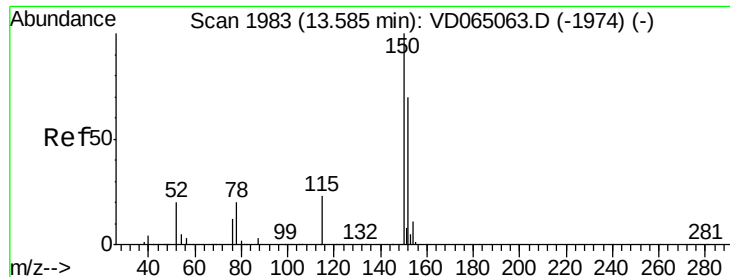


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



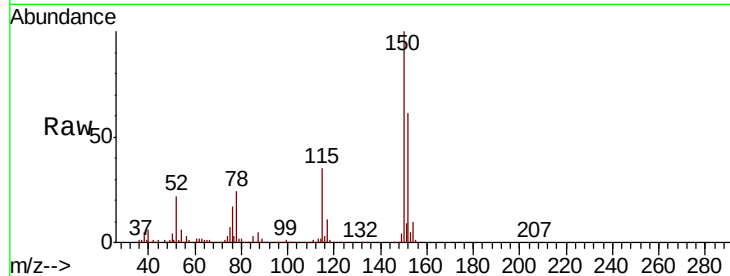


#72

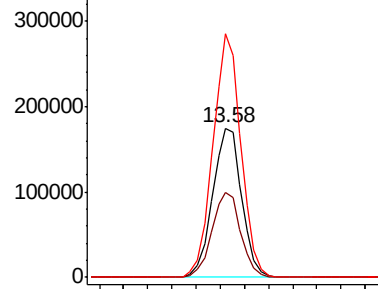
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :

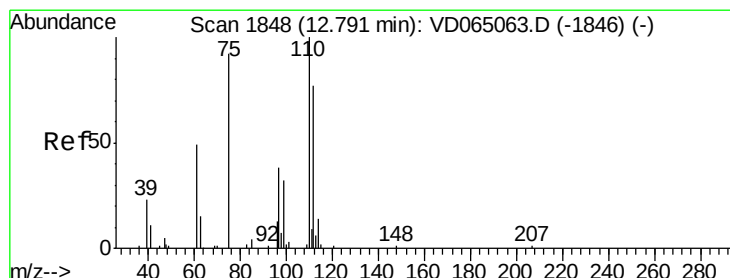
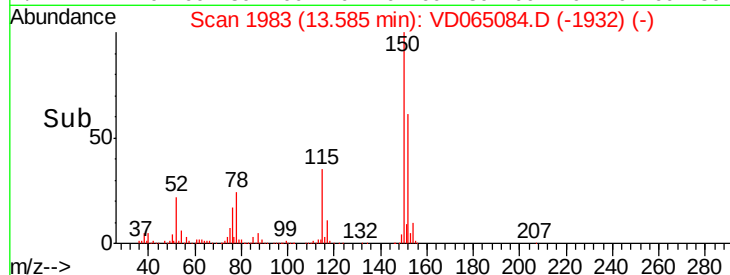
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	157.0	0.0	343.2



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



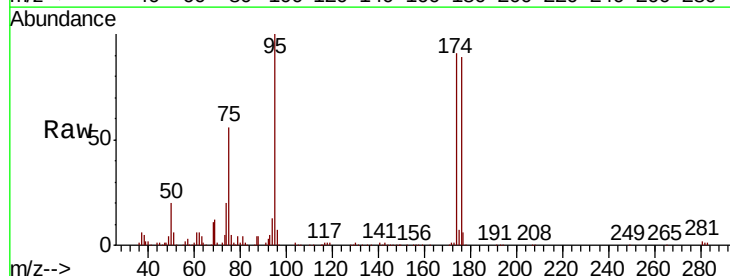
Time-->



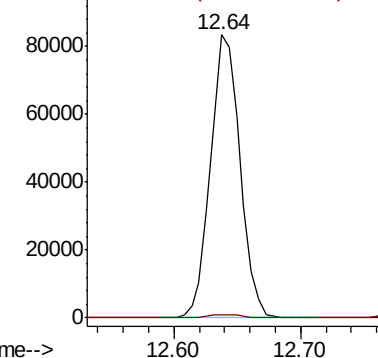
#76

1,2,3-Trichloropropane
Concen: 60.808 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065084.D
Acq: 06 Feb 2020 13:59

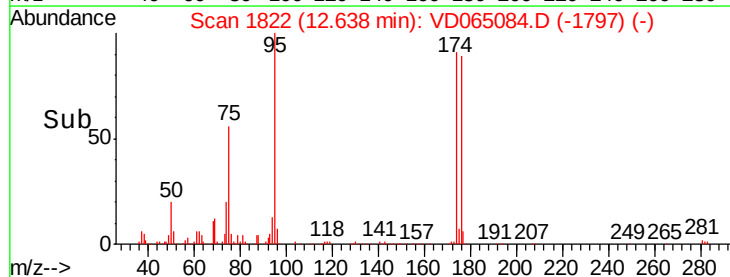
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

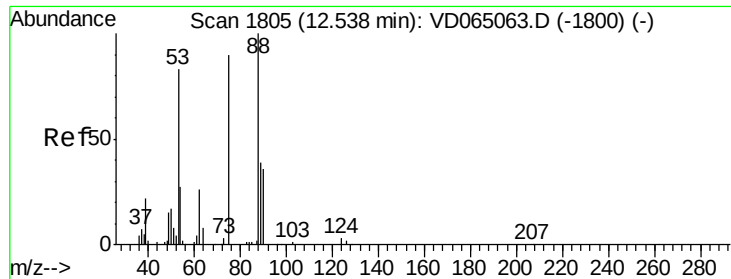


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 121.611 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065084.D

Acq: 06 Feb 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

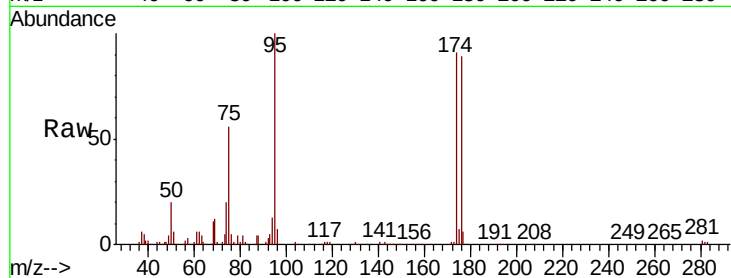
Tot Ion: 75 Resp: 134405

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

