

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065109.D
 Acq On : 07 Feb 2020 14:52
 Operator : VA/SY
 Sample : L1437-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:08:01 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	7.99	168	476406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	768127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	766060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	319432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	231705	57.22	ug/l	0.00
Spiked Amount						
			Recovery	=	114.44%	
35) Dibromofluoromethane	7.92	113	239672	55.92	ug/l	0.00
Spiked Amount						
			Recovery	=	111.84%	
50) Toluene-d8	10.34	98	924347	54.19	ug/l	0.00
Spiked Amount						
			Recovery	=	108.38%	
62) 4-Bromofluorobenzene	12.64	95	327923	60.67	ug/l	0.00
Spiked Amount						
			Recovery	=	121.34%	

Target Compounds

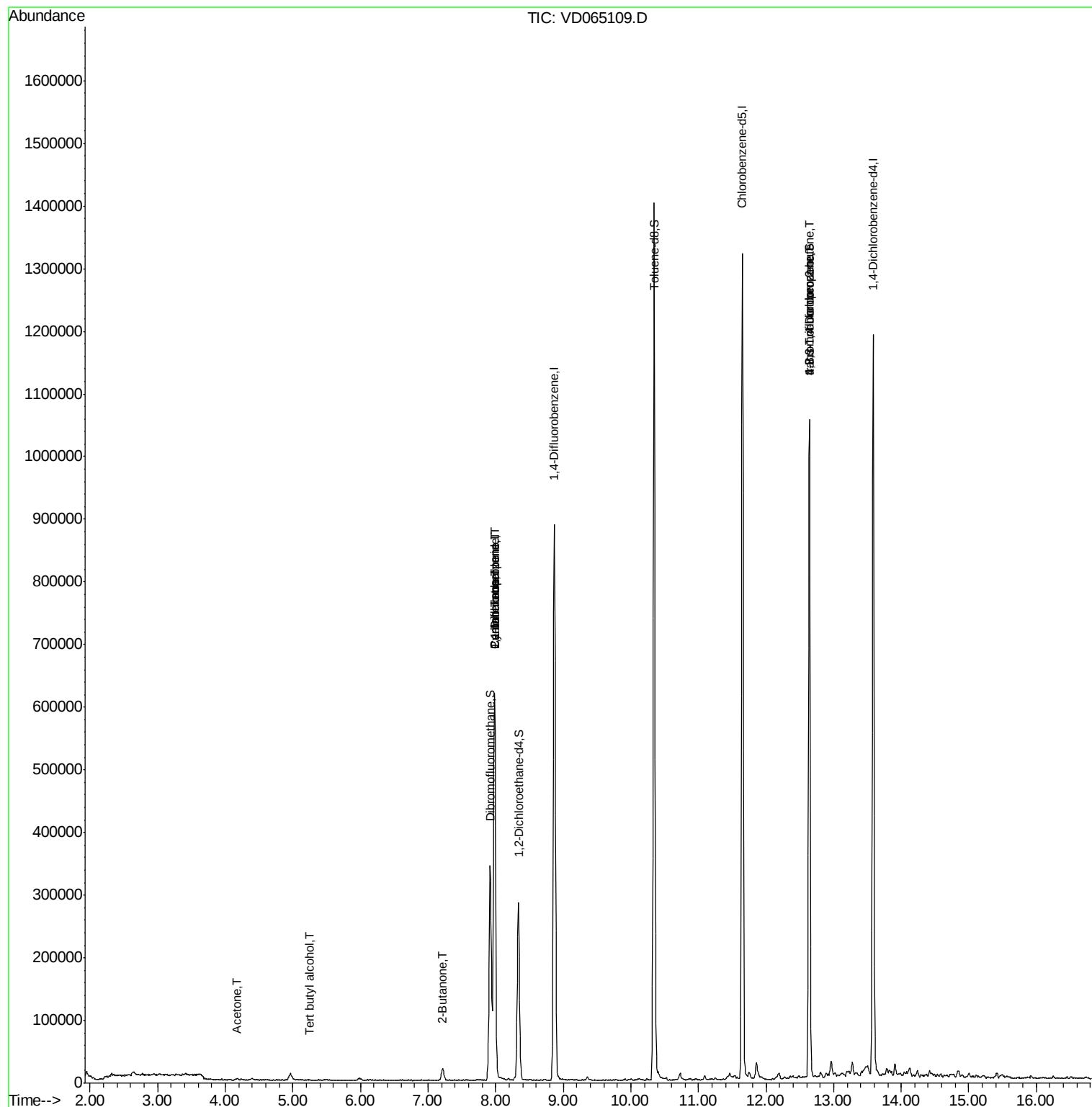
					Qvalue	
11) Tert butyl alcohol	5.24	59	459	1.855	ug/l #	71
16) Acetone	4.17	43	4560	4.504	ug/l	98
20) Methylene Chloride	4.96	84	7777	Below Cal	#	95
25) 2-Butanone	7.22	43	1973	1.634	ug/l #	50
31) Cyclohexane	7.98	56	11167	1.386	ug/l #	31
36) 1,1-Dichloropropene	7.99	75	34977	4.897	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45037	6.174	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	167353	69.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167353	138.392	ug/l #	10

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 08 00:08:01 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

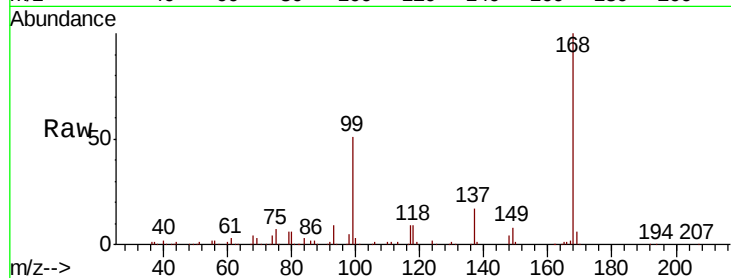
ClientSampleId :

Tot Ion:168 Resp: 476406

Ion Ratio Lower Upper

168 100

99 51.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

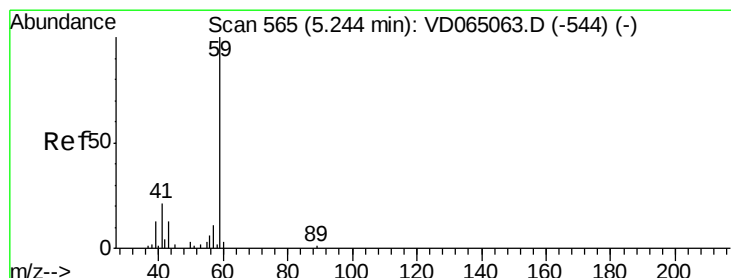
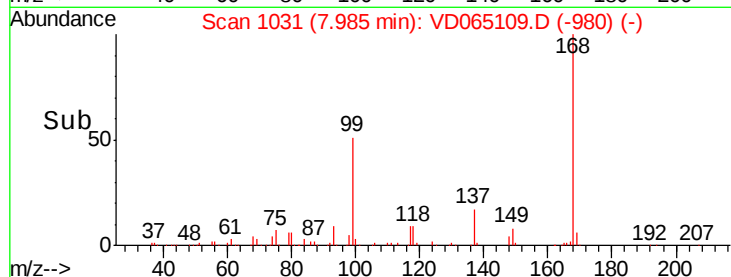
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.855 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065109.D

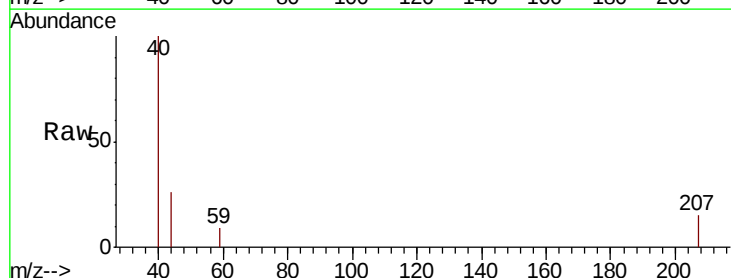
Acq: 07 Feb 2020 14:52

Tgt Ion: 59 Resp: 459

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

300

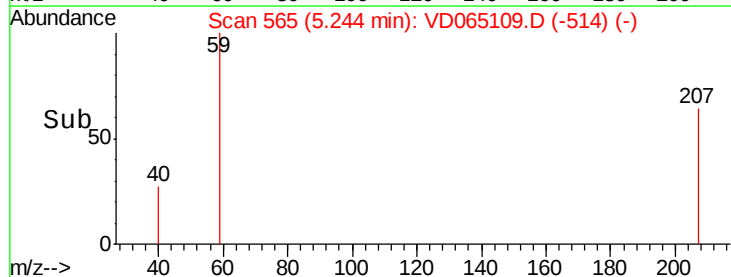
200

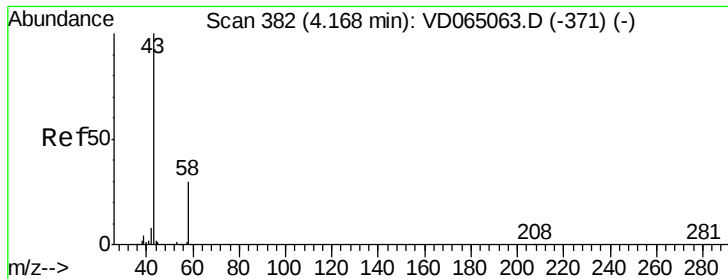
100

0

5.20 5.25 5.30

Time-->





#16

Acetone

Concen: 4.504 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

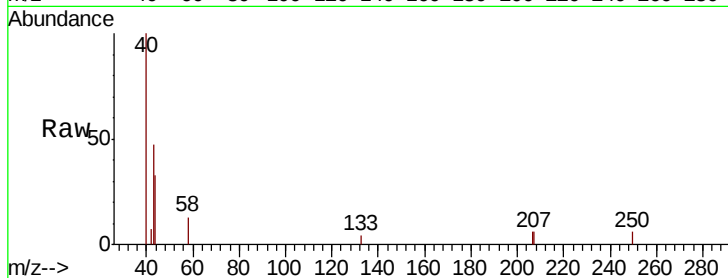
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4560

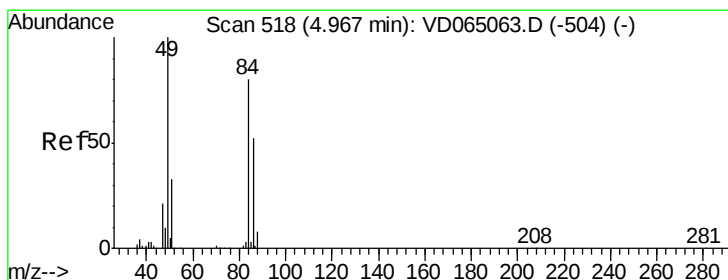
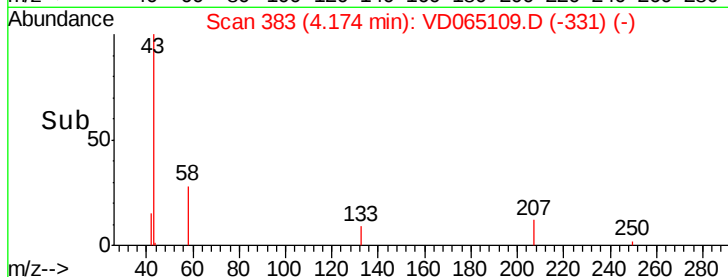
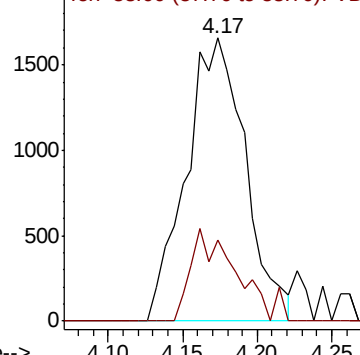
Ion Ratio Lower Upper

43 100

58 28.4 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# 516

Delta R.T. -0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Tgt Ion: 84 Resp: 7777

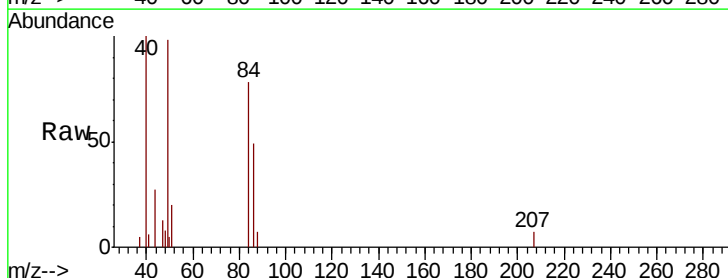
Ion Ratio Lower Upper

84 100

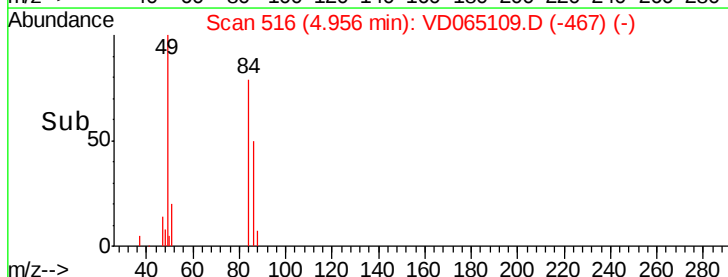
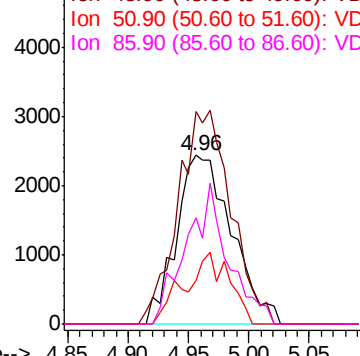
49 125.9 100.4 150.6

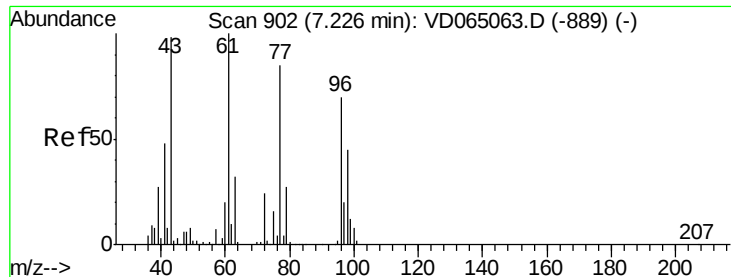
51 25.8 32.7 49.1#

86 63.2 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





#25

2-Butanone

Concen: 1.634 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

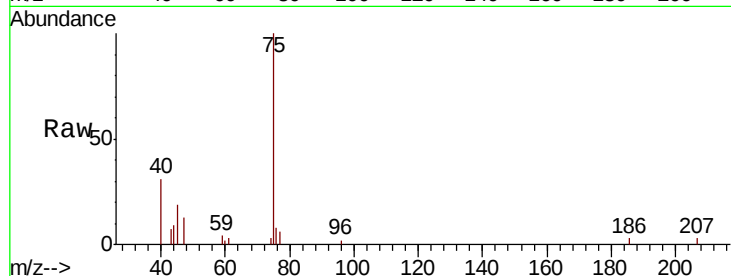
ClientSampled :

Tot Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

800

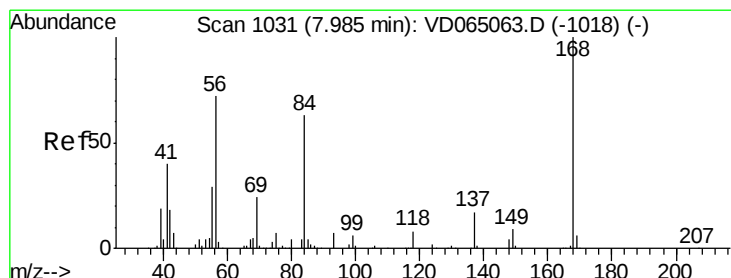
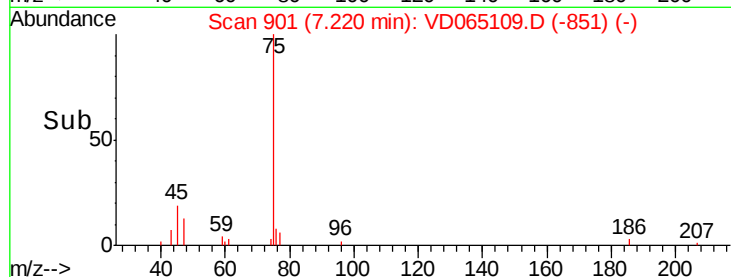
600

400

200

0

Time--> 7.15 7.20 7.25



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

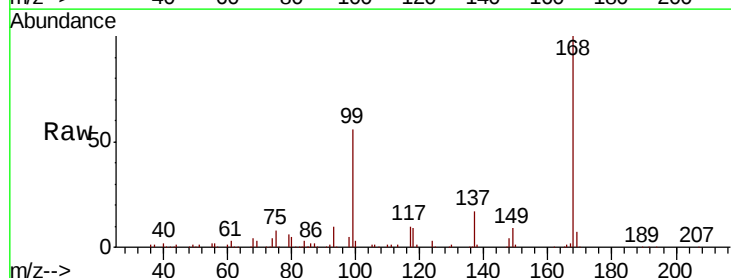
Tgt Ion: 56 Resp: 11167

Ion Ratio Lower Upper

56 100

69 141.1 26.6 40.0#

84 109.7 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

10000

8000

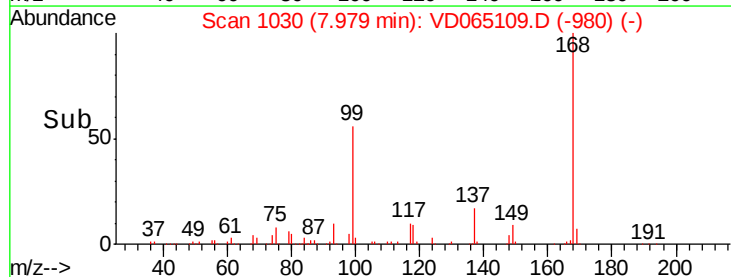
6000

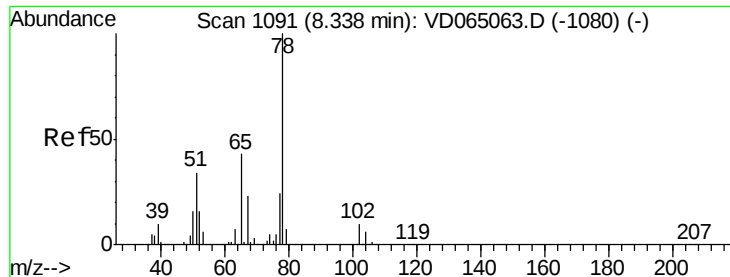
4000

2000

0

Time--> 7.90 7.95 8.00 8.05

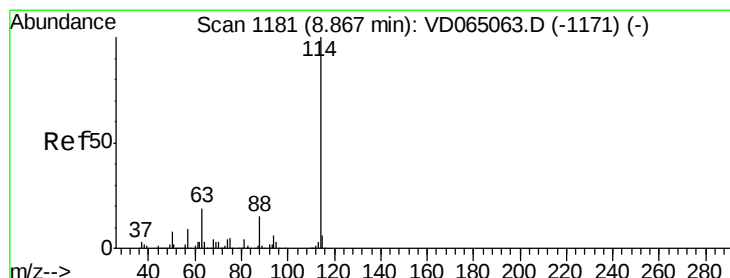
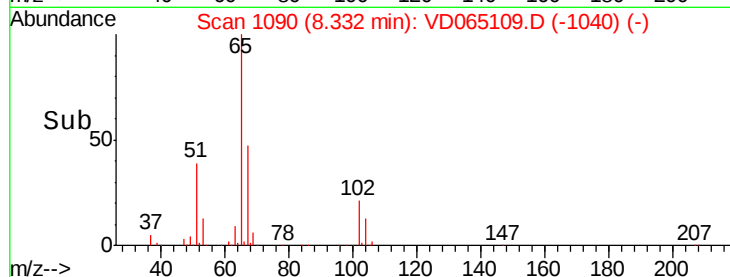
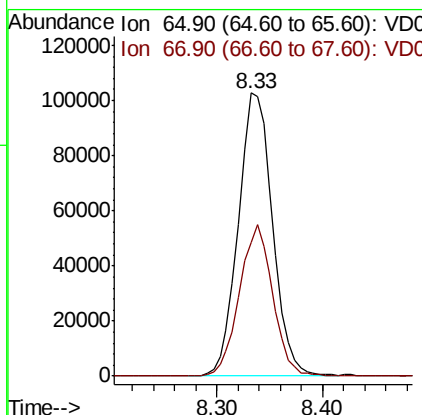
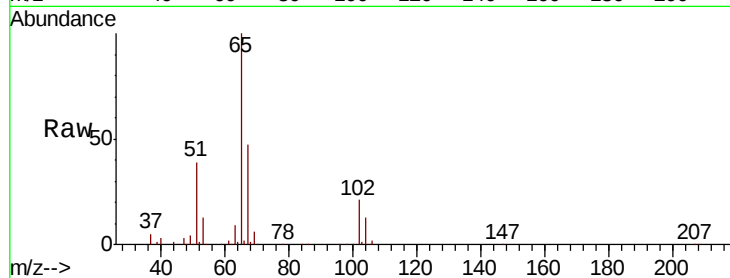




#33
 1,2-Dichloroethane-d4
 Concen: 57.225 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065109.D
 Acq: 07 Feb 2020 14:52

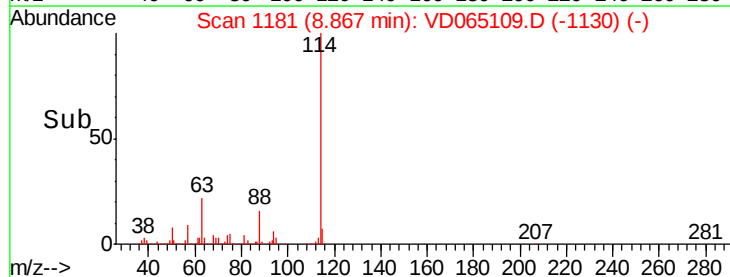
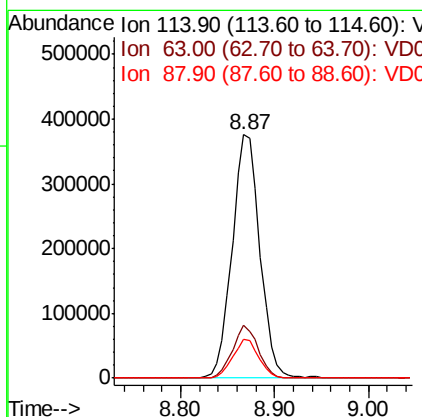
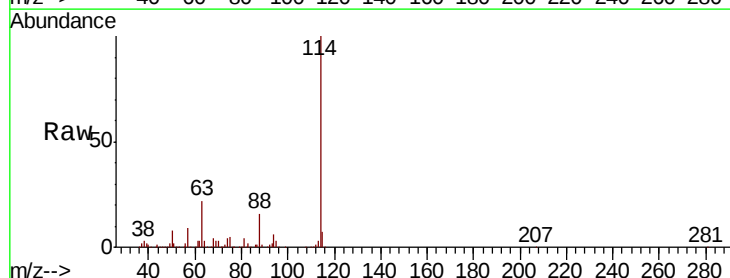
Instrument :
 MSVOA_D
 ClientSampled :

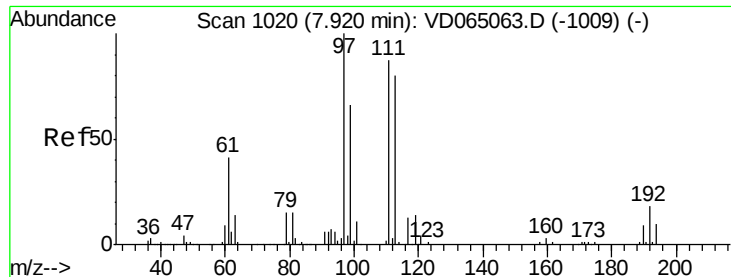
Tot Ion: 65 Resp: 231705
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065109.D
 Acq: 07 Feb 2020 14:52

Tgt Ion: 114 Resp: 768127
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 38.8
 88 16.1 0.0 29.6

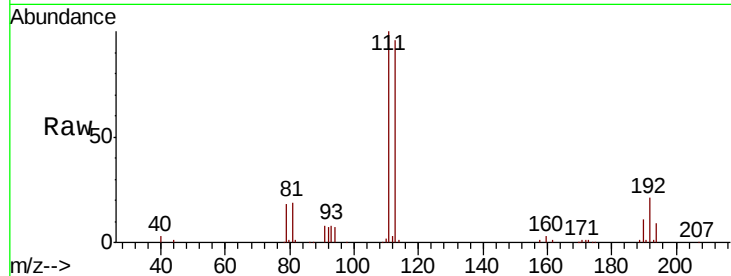




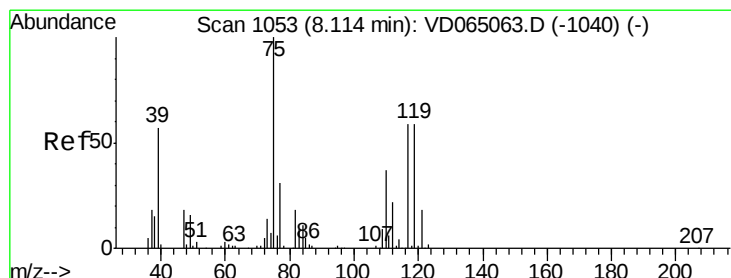
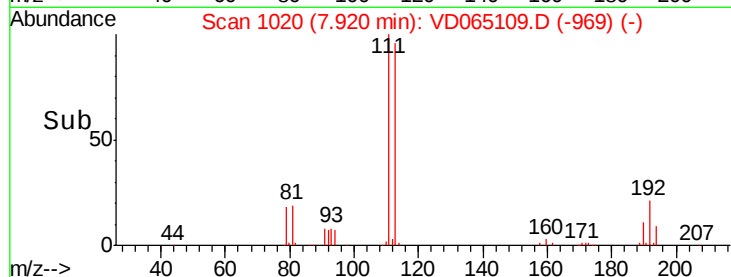
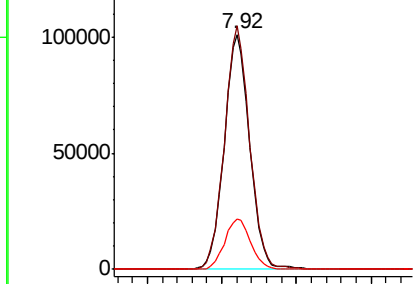
#35
 Dibromofluoromethane
 Concen: 55.924 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065109.D
 Acq: 07 Feb 2020 14:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.1	124.7
192	21.8	18.1	27.1

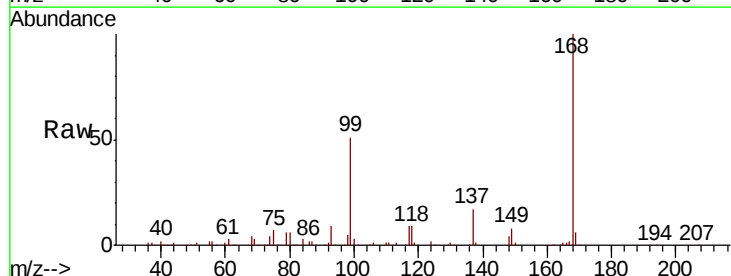


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

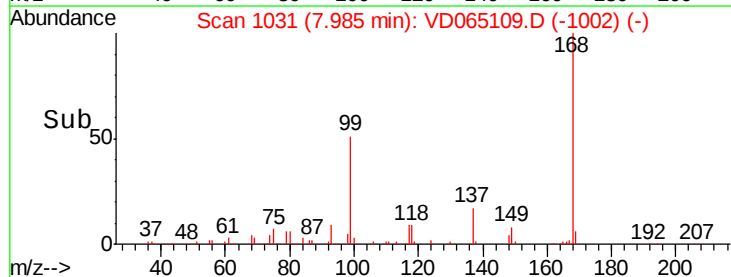
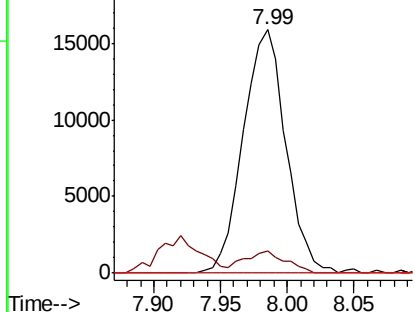


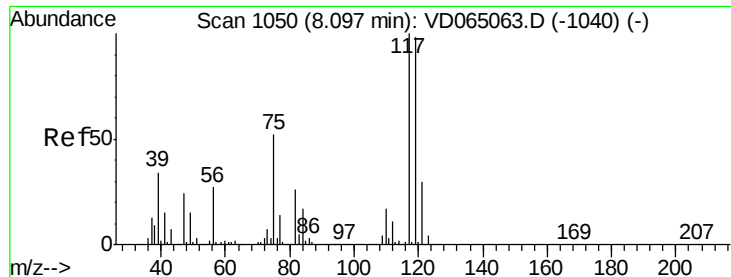
#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065109.D
 Acq: 07 Feb 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.174 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

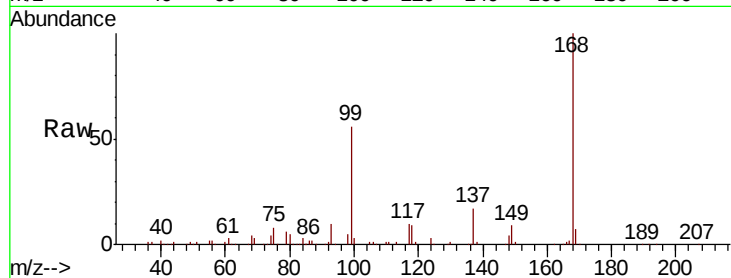
Tot Ion:117 Resp: 45037

Ion Ratio Lower Upper

117 100

119 6.5 78.5 117.7#

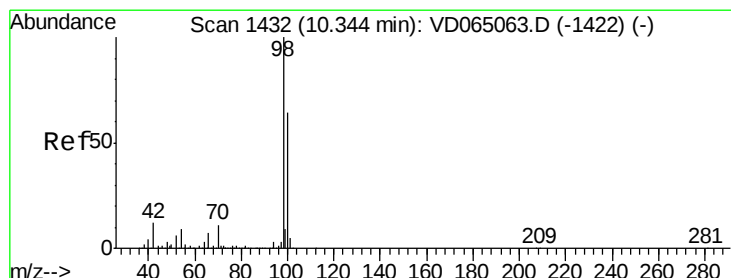
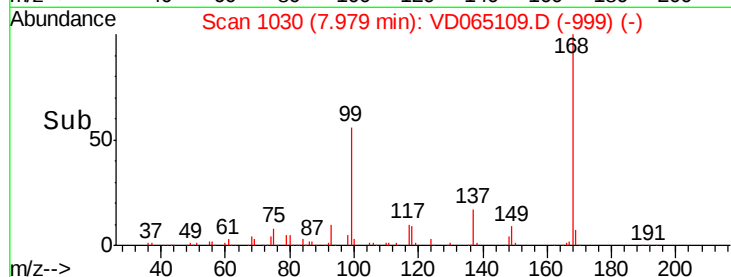
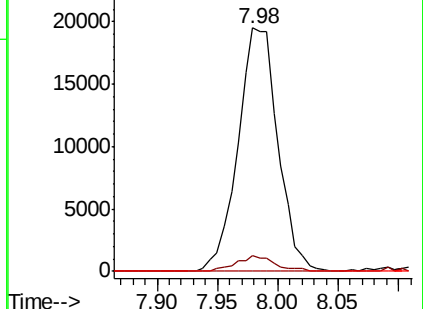
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.188 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065109.D

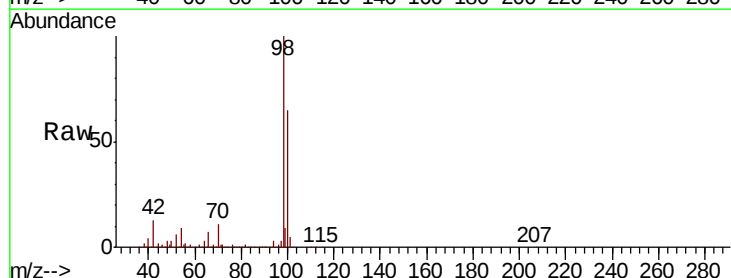
Acq: 07 Feb 2020 14:52

Tgt Ion: 98 Resp: 924347

Ion Ratio Lower Upper

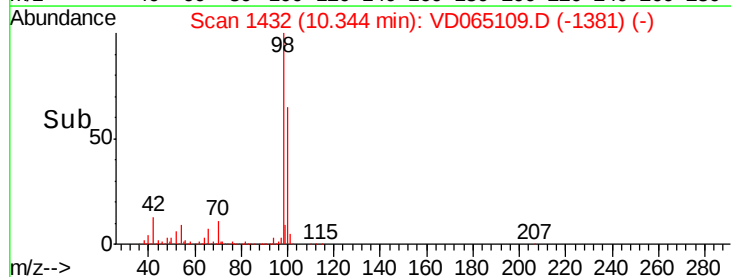
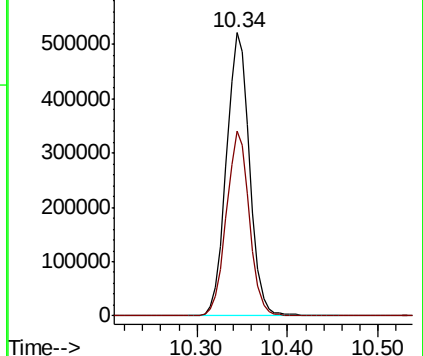
98 100

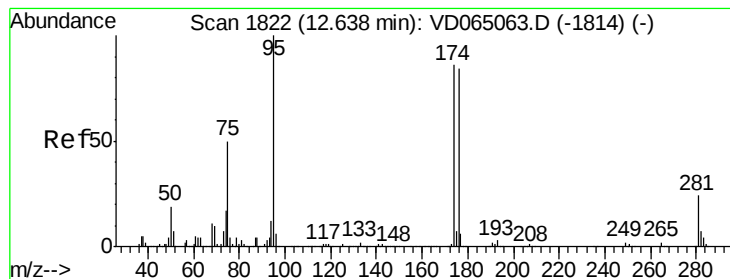
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 60.669 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

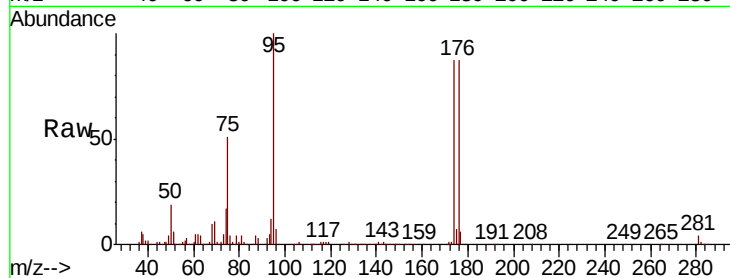
Tot Ion: 95 Resp: 327923

Ion Ratio Lower Upper

95 100

174 86.8 0.0 180.0

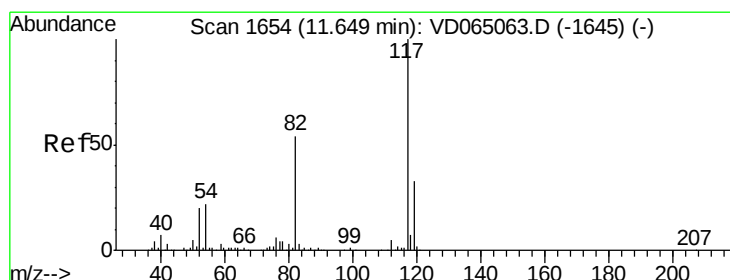
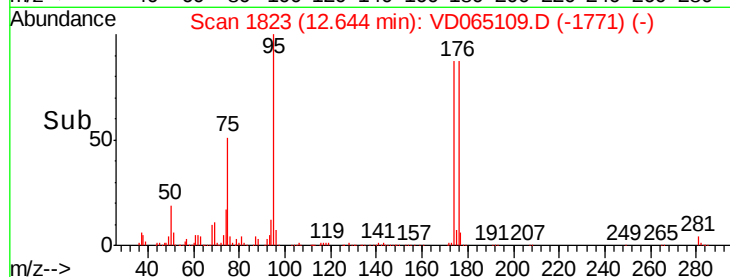
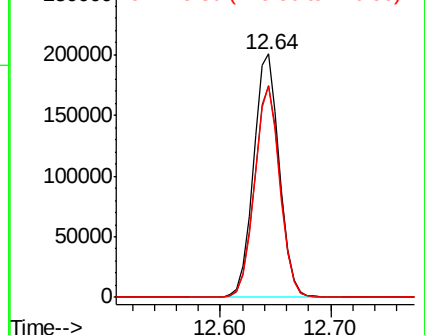
176 84.8 0.0 173.2



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: VD065109.D

Acq: 07 Feb 2020 14:52

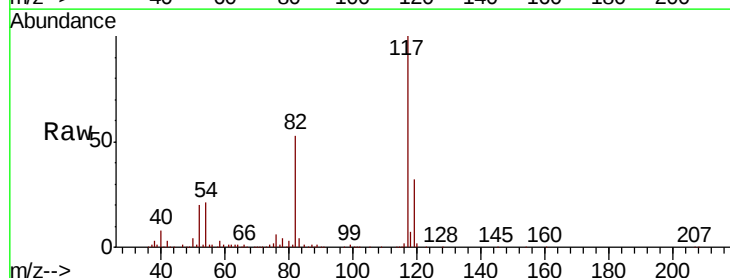
Tgt Ion: 117 Resp: 766060

Ion Ratio Lower Upper

117 100

82 52.6 43.1 64.7

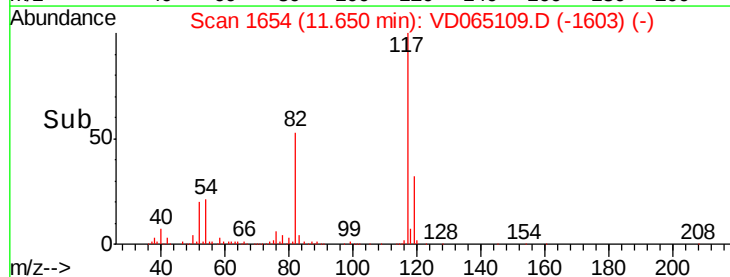
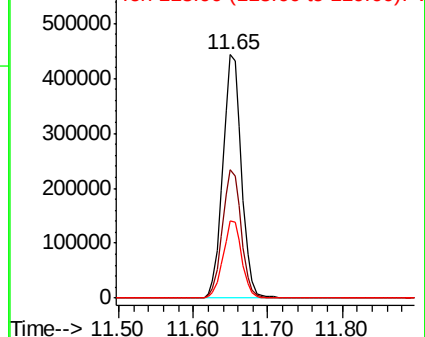
119 31.6 26.0 39.0

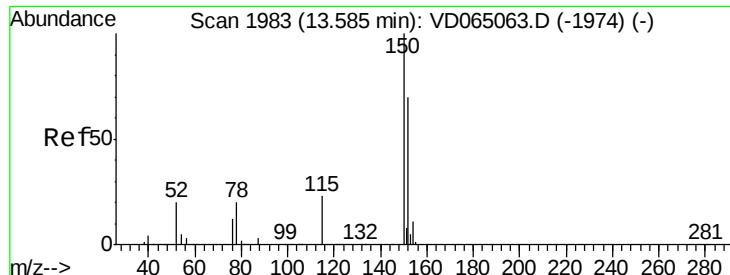


Abundance Ion 116.90 (116.60 to 117.60): V

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: 13.59 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

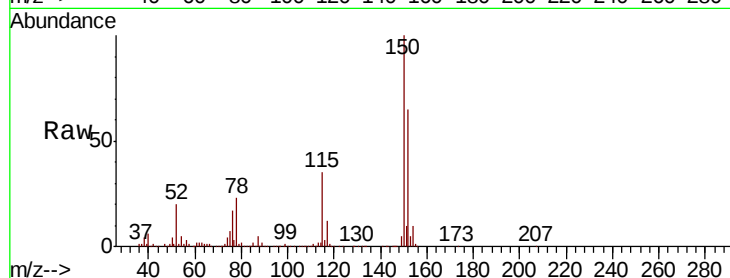
Tot Ion:152 Resp: 319432

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.4

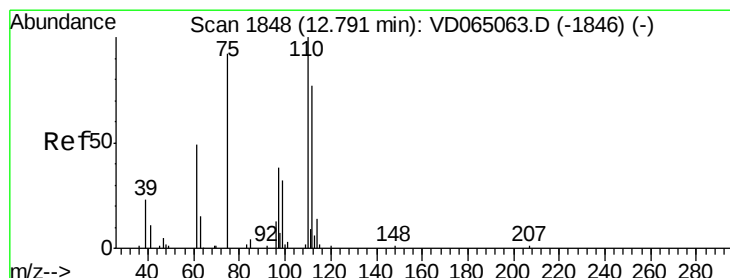
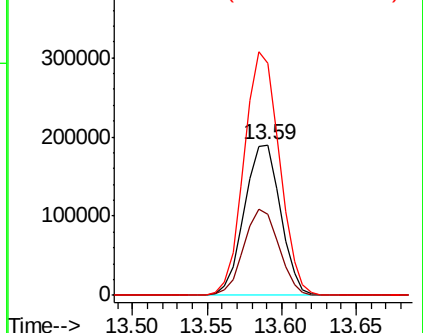
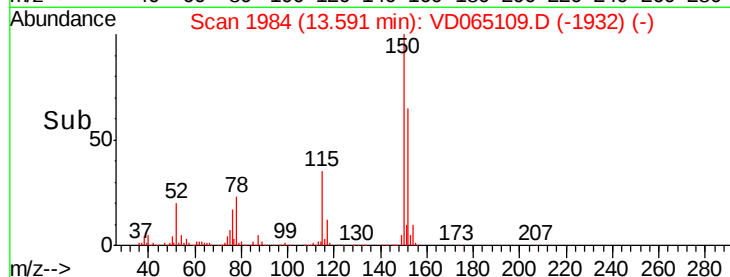
150 158.0 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 69.199 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065109.D

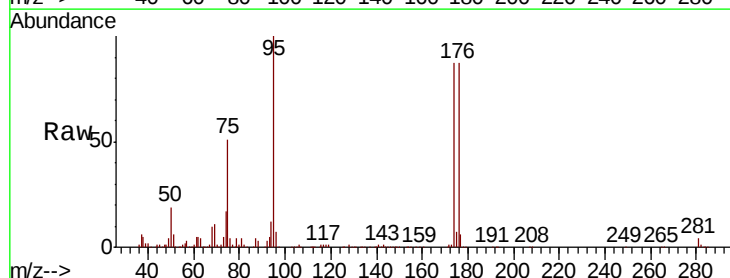
Acq: 07 Feb 2020 14:52

Tgt Ion: 75 Resp: 167353

Ion Ratio Lower Upper

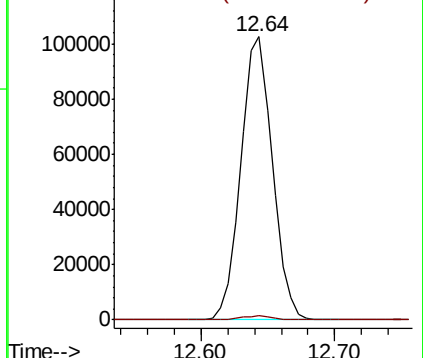
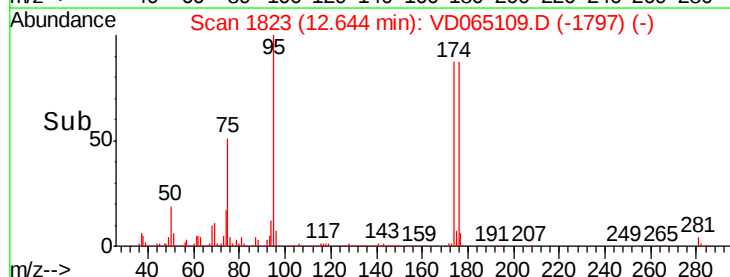
75 100

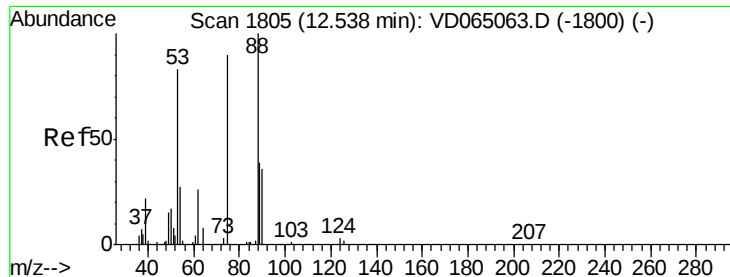
77 1.5 0.0 0.0#



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: 138.392 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065109.D

Acq: 07 Feb 2020 14:52

Instrument :

MSVOA_D

ClientSampleId :

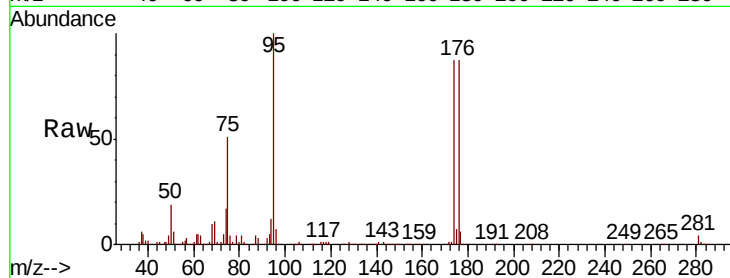
Tot Ion: 75 Resp: 167353

Ion Ratio Lower Upper

75 100

53 0.3 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

