

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065151.D
 Acq On : 11 Feb 2020 18:32
 Operator : VA/SY
 Sample : L1491-06
 Misc : 7.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:59:13 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	571563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	899111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	957971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	488546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	251509	51.77	ug/l	0.00
Spiked Amount						
			Recovery	=	103.54%	
35) Dibromofluoromethane	7.92	113	274107	54.64	ug/l	0.00
Spiked Amount						
			Recovery	=	109.28%	
50) Toluene-d8	10.34	98	1120803	56.13	ug/l	0.00
Spiked Amount						
			Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.64	95	435965	68.91	ug/l	0.00
Spiked Amount						
			Recovery	=	137.82%	

Target Compounds

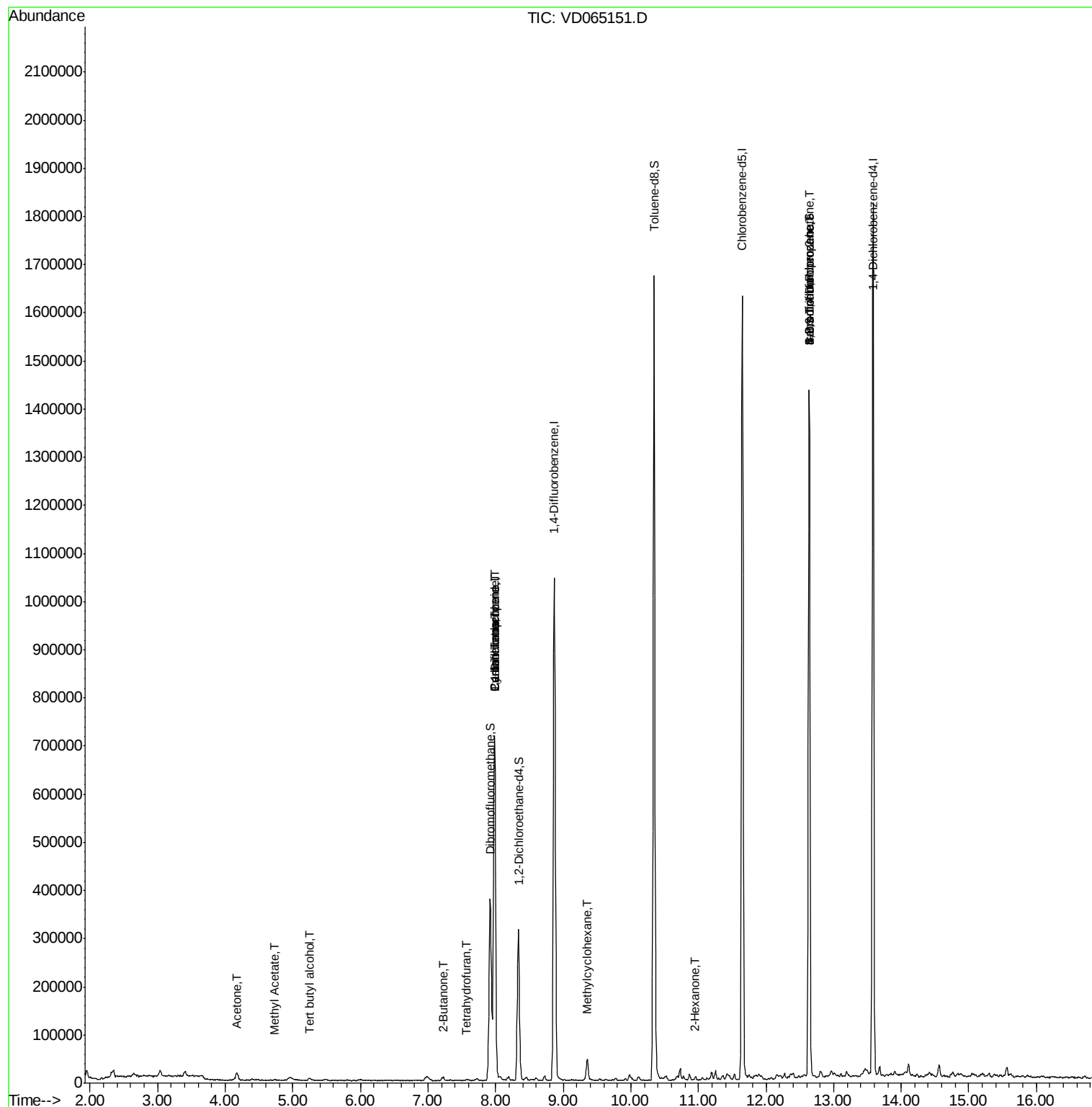
					Qvalue	
11) Tert butyl alcohol	5.25	59	5051	17.018	ug/l #	86
16) Acetone	4.17	43	26768	22.040	ug/l	96
18) Methyl Acetate	4.73	43	2579	1.016	ug/l #	52
20) Methylene Chloride	4.96	84	4305	Below Cal	#	55
25) 2-Butanone	7.23	43	1950	1.346	ug/l	97
29) Tetrahydrofuran	7.57	42	1939	2.213	ug/l #	73
31) Cyclohexane	7.98	56	14841	1.536	ug/l #	17
36) 1,1-Dichloropropene	7.98	75	41388	4.950	ug/l #	50
38) Carbon Tetrachloride	7.98	117	51848	6.072	ug/l #	16
39) Methylcyclohexane	9.36	83	17394	1.686	ug/l	98
59) 2-Hexanone	10.96	43	3162	1.388	ug/l #	26
71) Bromoform	12.64	173	3805	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	226856	61.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	226856	122.659	ug/l #	10

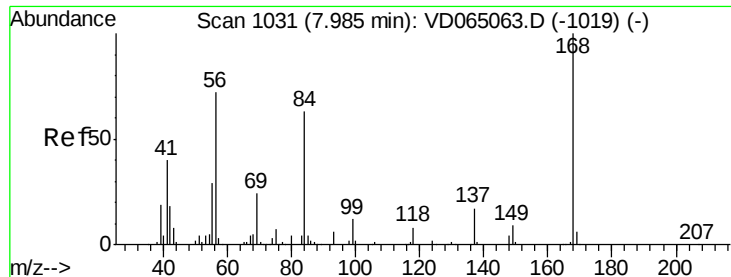
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
Data File : VD065151.D
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ClientSampleId :

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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: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

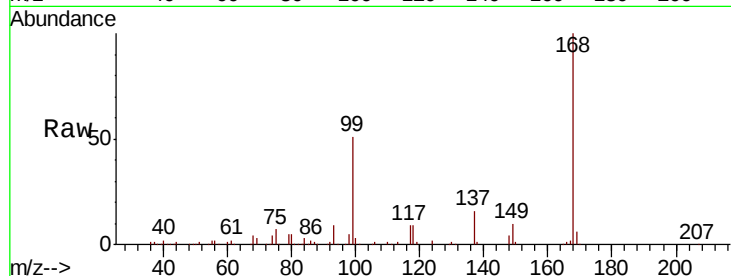
ClientSampleId :

Tot Ion:168 Resp: 571563

Ion Ratio Lower Upper

168 100

99 51.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

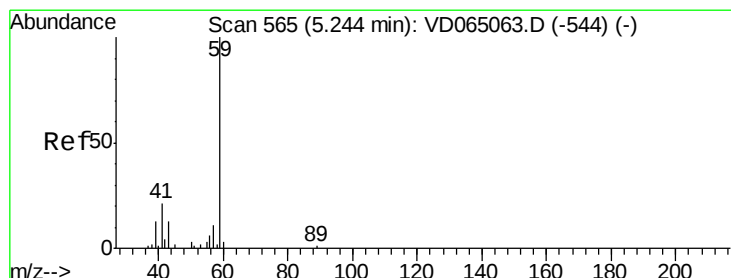
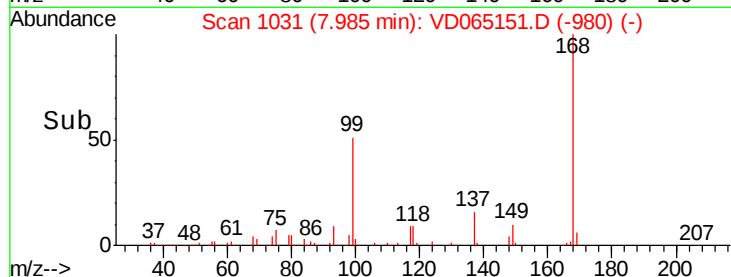
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.018 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065151.D

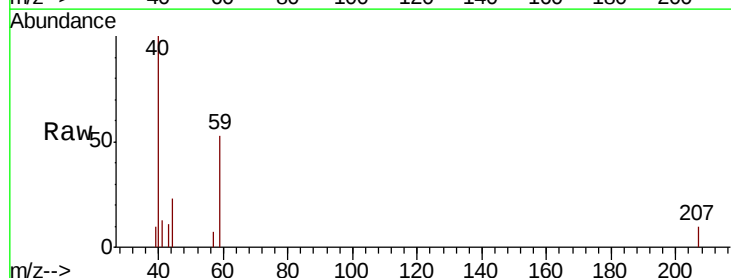
Acq: 11 Feb 2020 18:32

Tgt Ion: 59 Resp: 5051

Ion Ratio Lower Upper

59 100

57 16.5 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

2500

2000

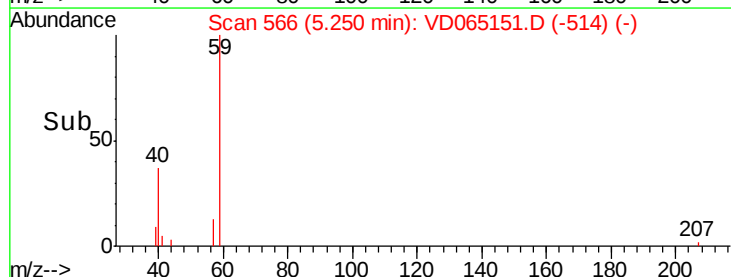
1500

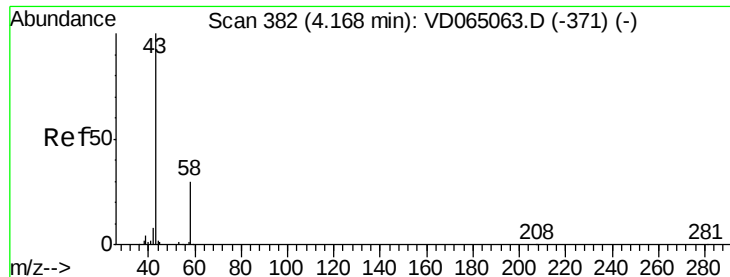
1000

500

0

Time-->





#16

Acetone

Concen: 22.040 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

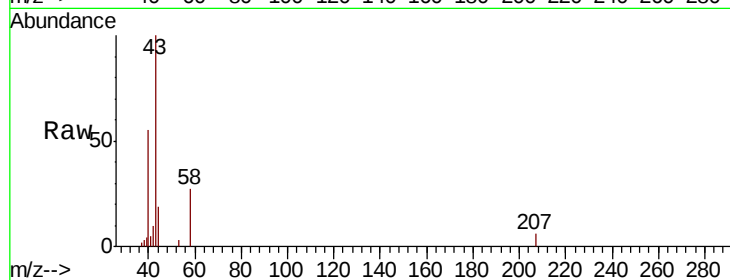
ClientSampleId :

Tot Ion: 43 Resp: 26768

Ion Ratio Lower Upper

43 100

58 27.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

10000

8000

6000

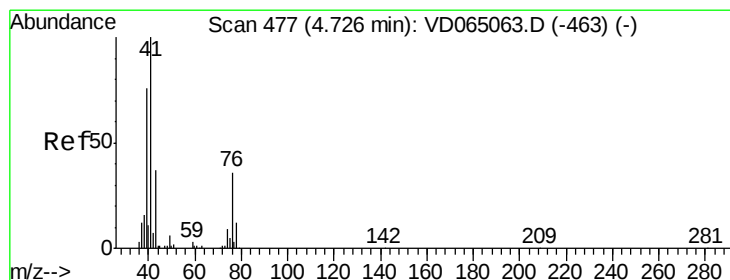
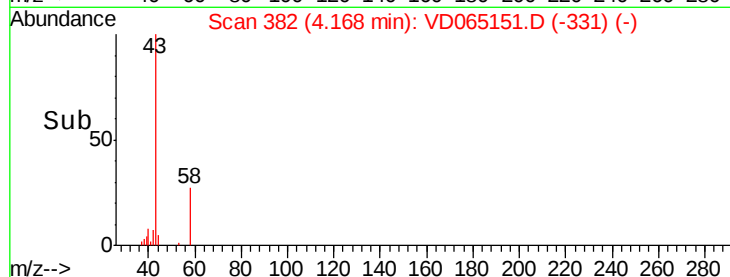
4000

2000

0

Time-->

4.10 4.20



#18

Methyl Acetate

Concen: 1.016 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065151.D

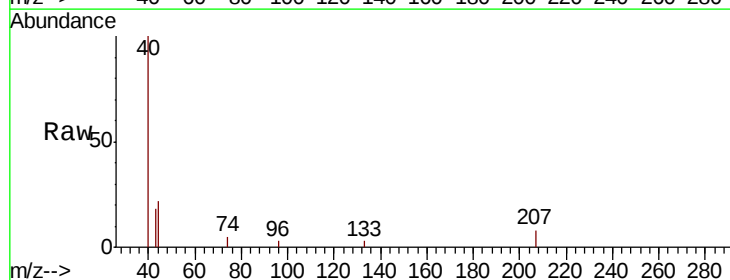
Acq: 11 Feb 2020 18:32

Tgt Ion: 43 Resp: 2579

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

1000

800

600

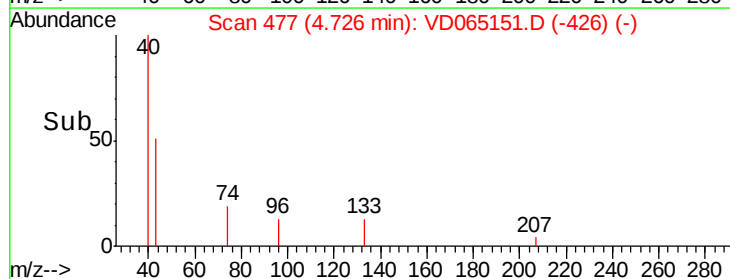
400

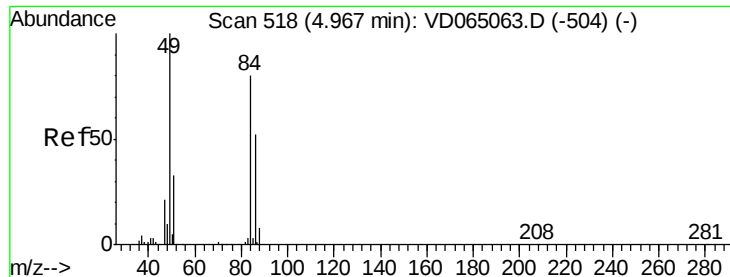
200

0

Time-->

4.65 4.70 4.75 4.80

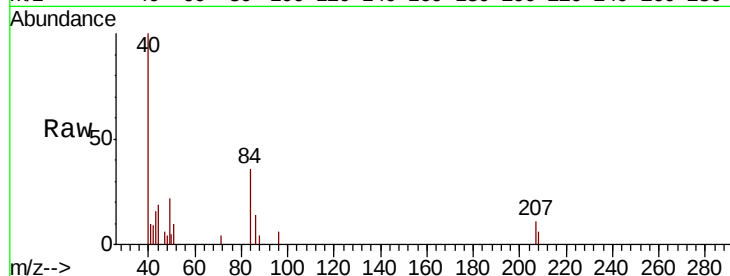




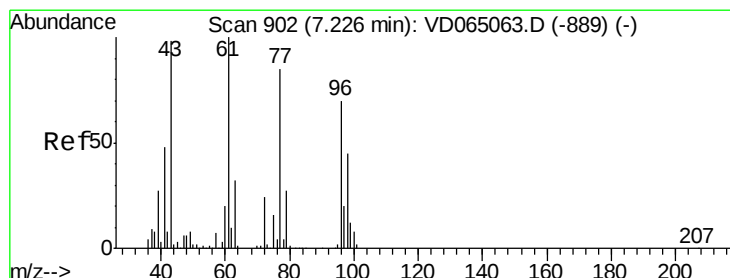
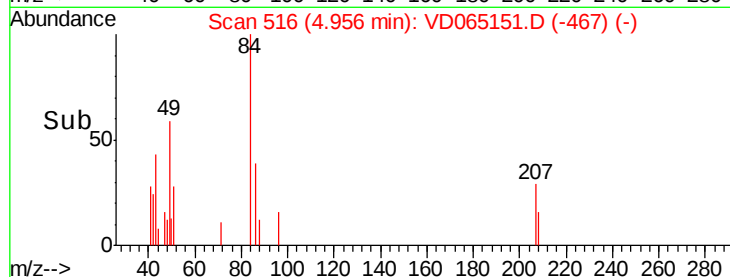
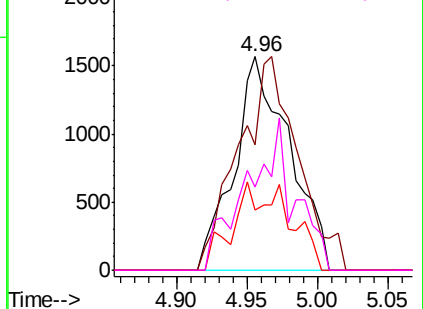
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 4305
Ion Ratio Lower Upper
84 100
49 59.1 100.4 150.6#
51 28.5 32.7 49.1#
86 38.8 52.4 78.6#

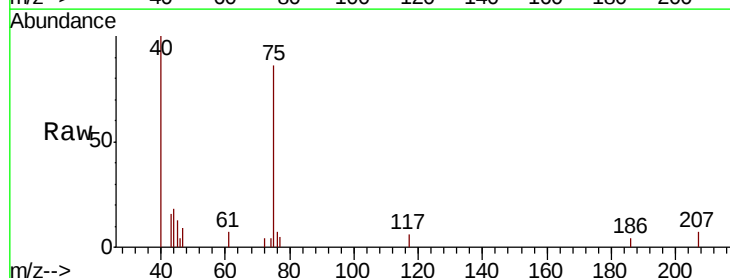


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

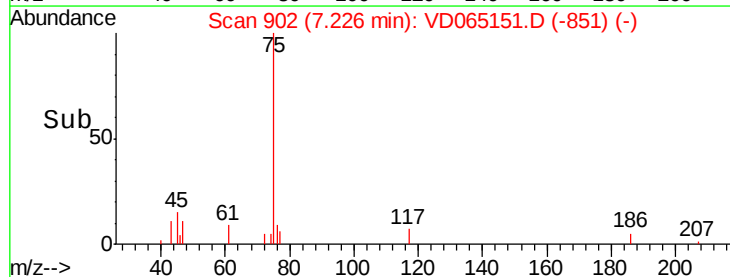
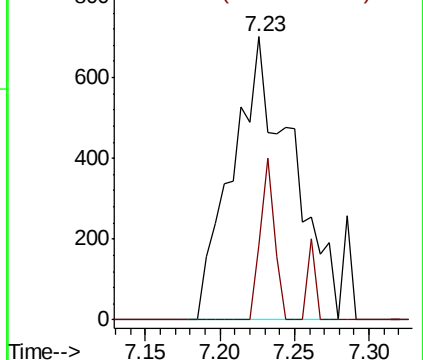


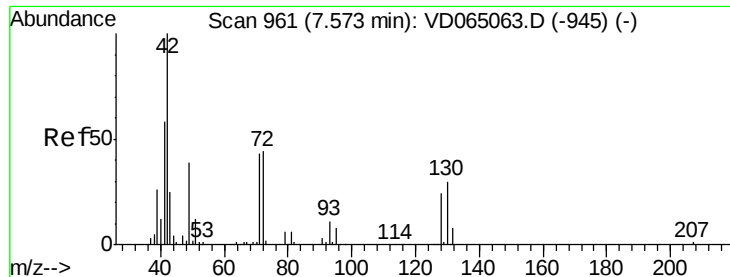
#25
2-Butanone
Concen: 1.346 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
72 26.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

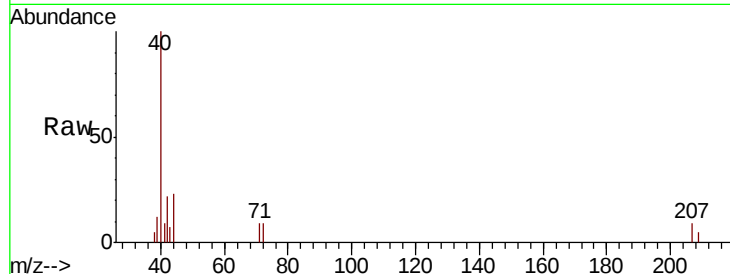




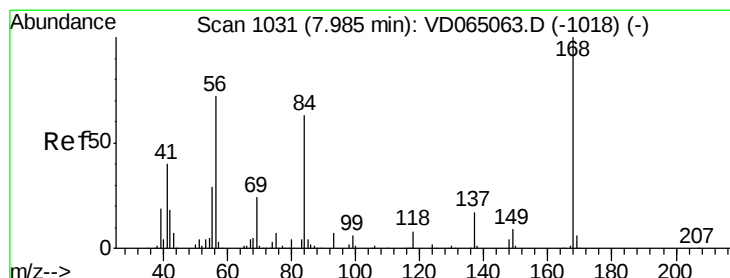
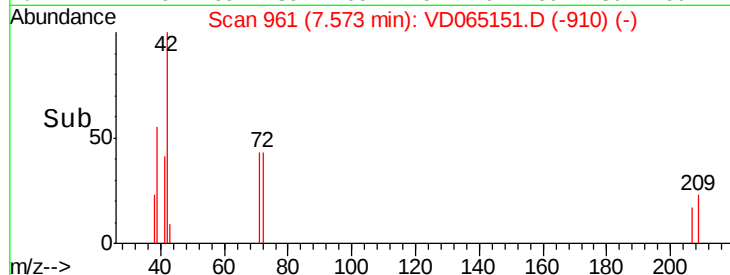
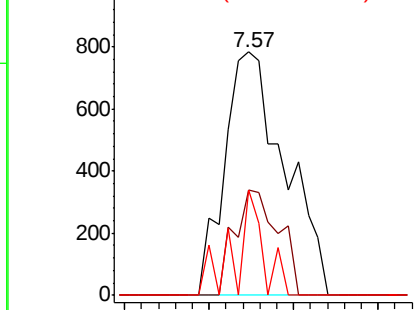
#29
Tetrahydrofuran
Concen: 2.213 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 1939
Ion Ratio Lower Upper
42 100
72 31.6 34.2 51.4#
71 17.1 31.8 47.6#

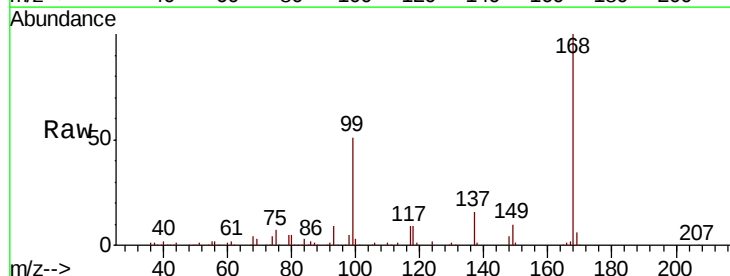


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

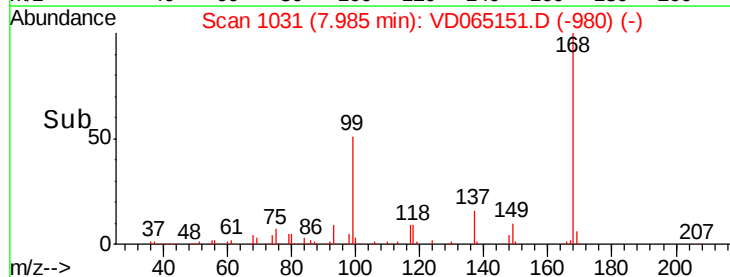
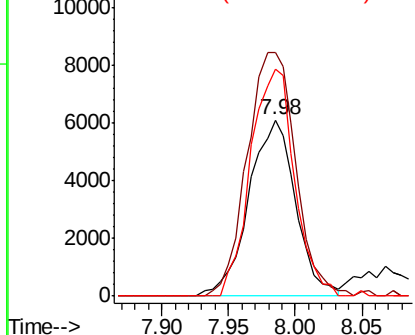


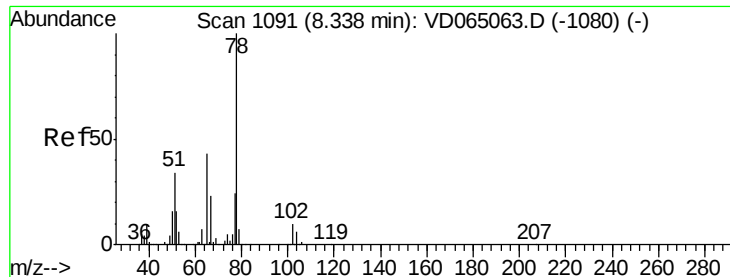
#31
Cyclohexane
Concen: 1.536 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

Tgt Ion: 56 Resp: 14841
Ion Ratio Lower Upper
56 100
69 138.3 26.6 40.0#
84 129.3 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

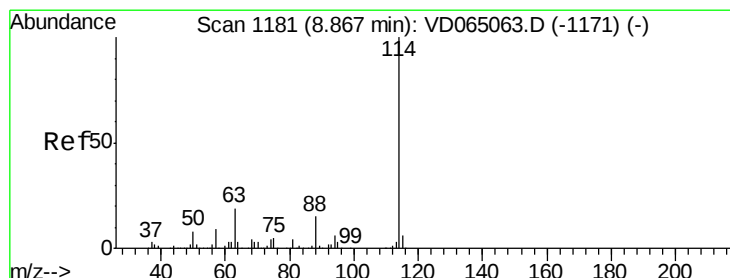
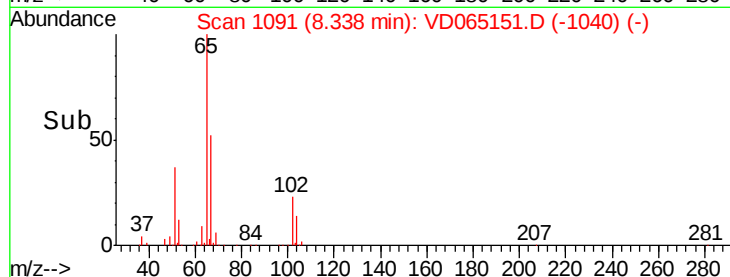
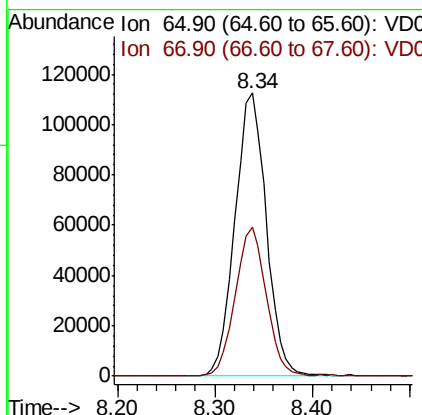
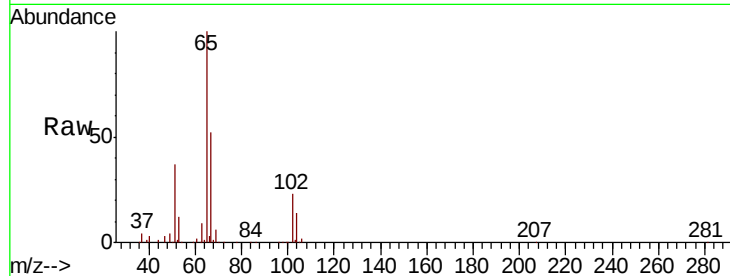




#33
 1,2-Dichloroethane-d4
 Concen: 51.774 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065151.D
 Acq: 11 Feb 2020 18:32

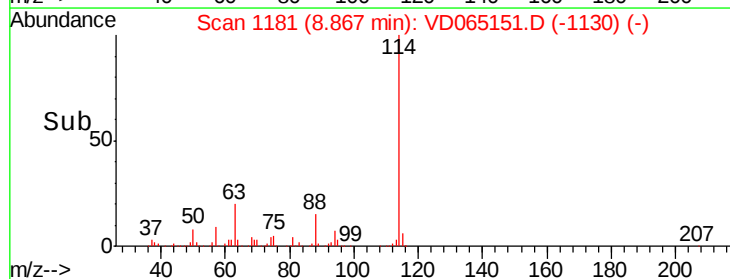
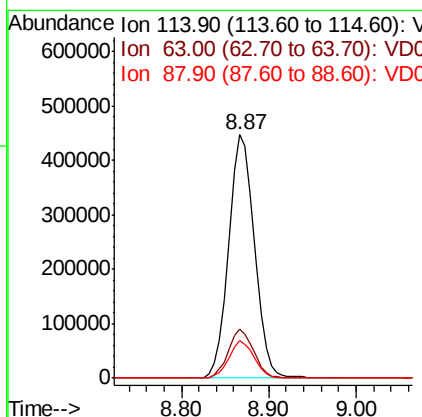
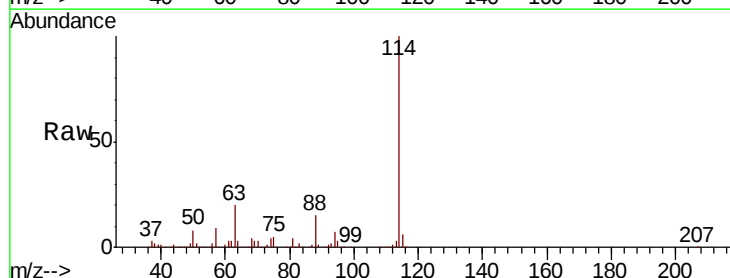
Instrument :
 MSVOA_D
 ClientSampleId :

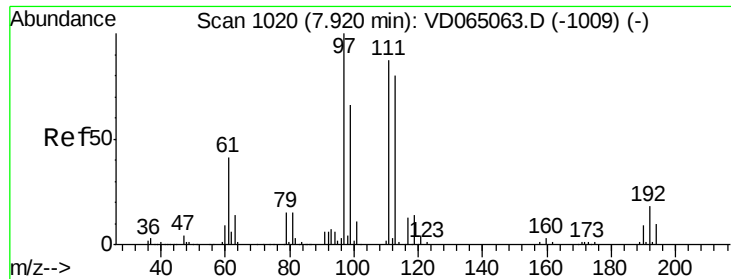
Tot Ion: 65 Resp: 251509
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065151.D
 Acq: 11 Feb 2020 18:32

Tgt Ion: 114 Resp: 899111
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 15.3 0.0 29.6

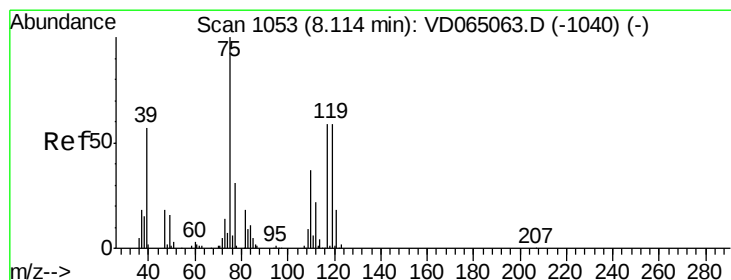
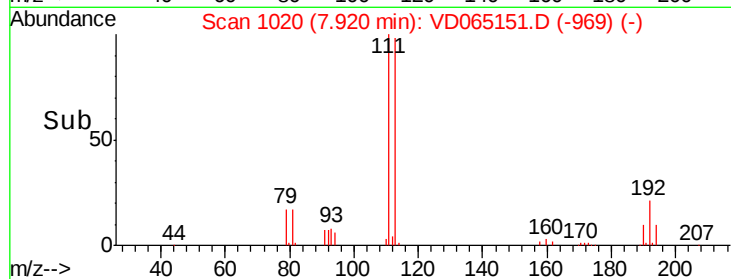
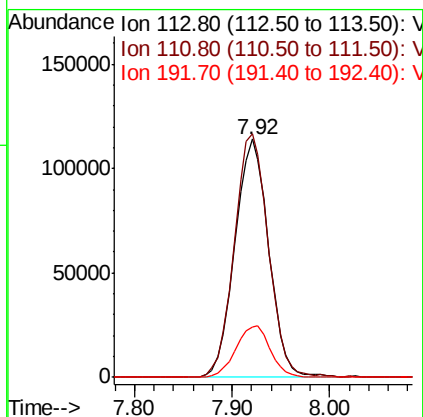
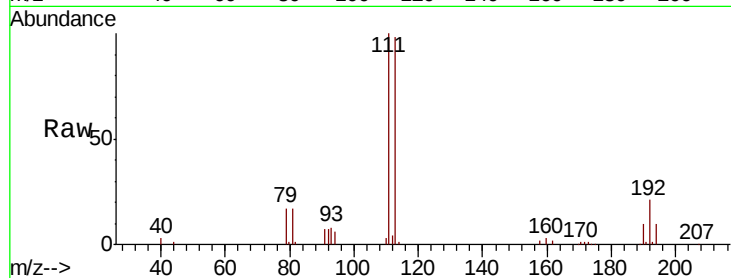




#35
 Dibromofluoromethane
 Concen: 54.641 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065151.D
 Acq: 11 Feb 2020 18:32

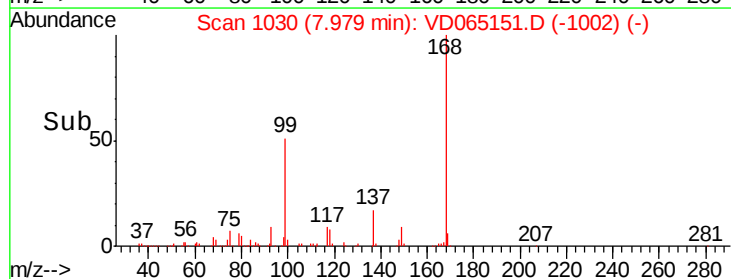
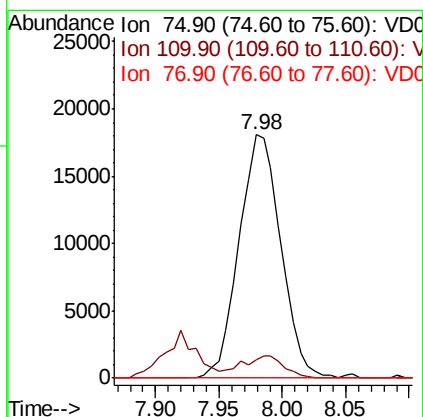
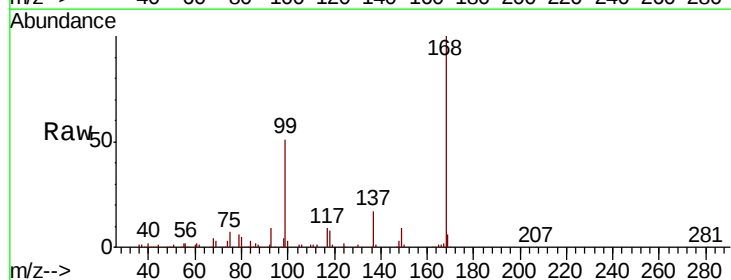
Instrument :
 MSVOA_D
 ClientSampleId :

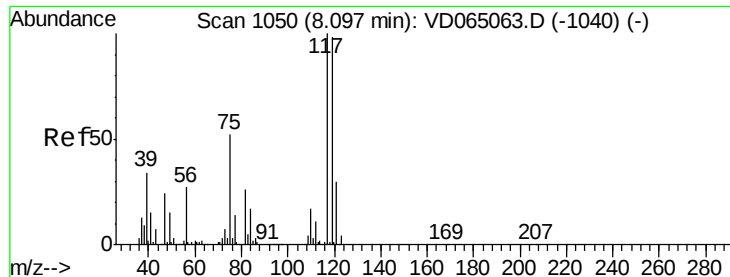
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.1	124.7
192	21.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065151.D
 Acq: 11 Feb 2020 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

ClientSampleId :

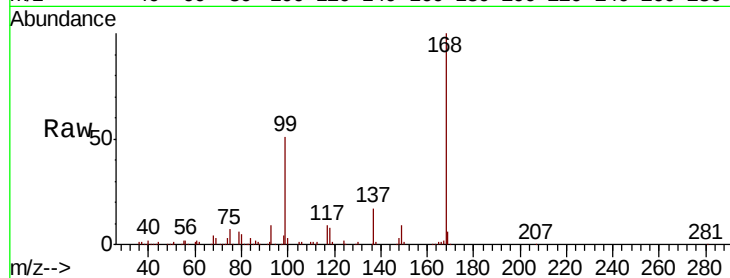
Tot Ion:117 Resp: 51848

Ion Ratio Lower Upper

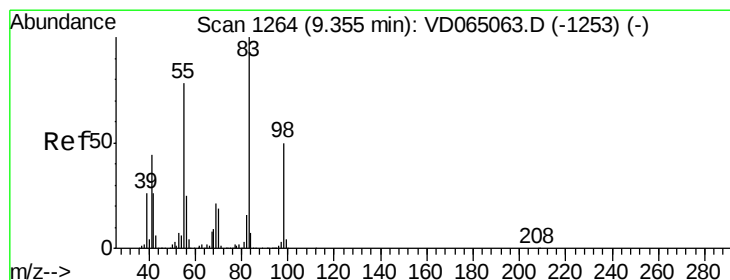
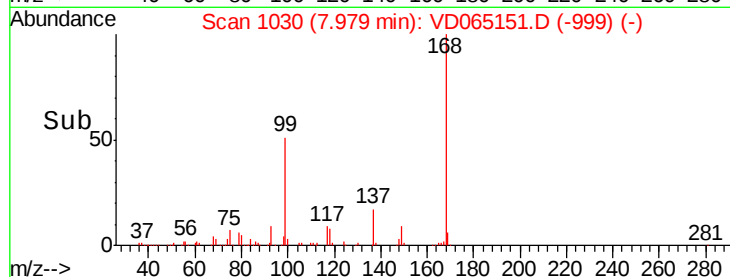
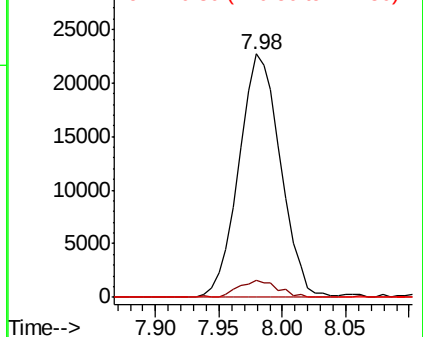
117 100

119 6.9 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



#39

Methylcyclohexane

Concen: 1.686 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

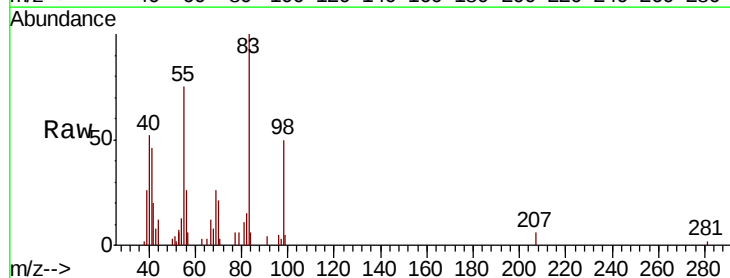
Tgt Ion: 83 Resp: 17394

Ion Ratio Lower Upper

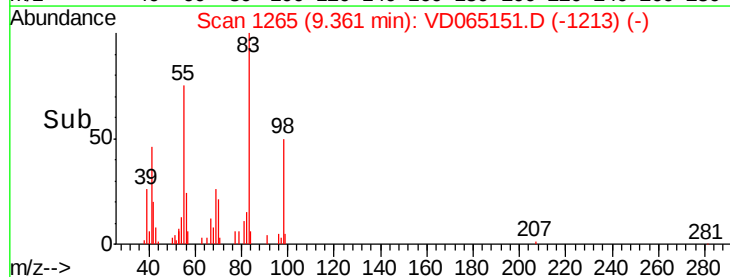
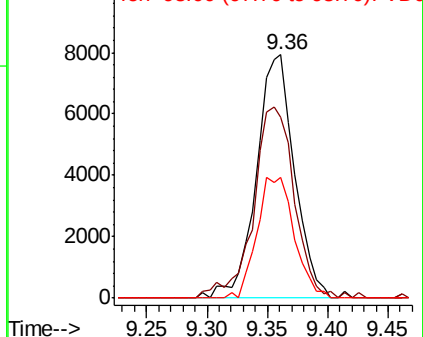
83 100

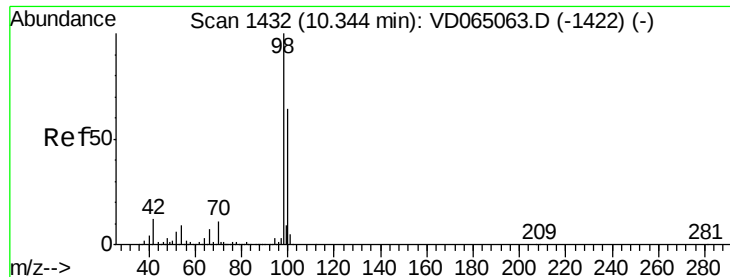
55 74.5 62.0 93.0

98 49.7 39.9 59.9



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

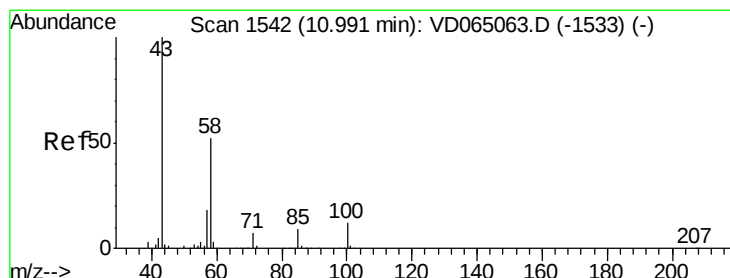
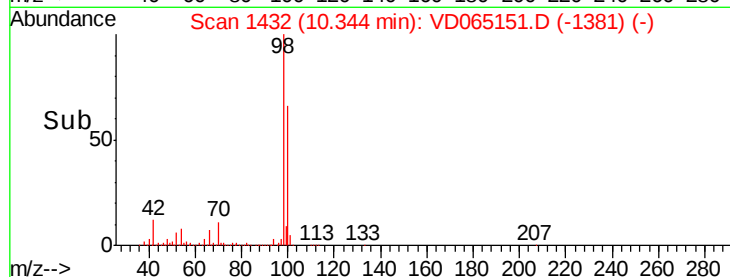
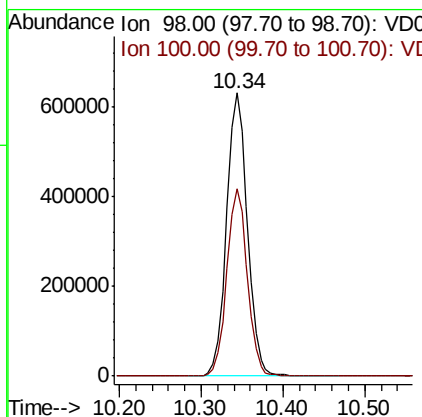
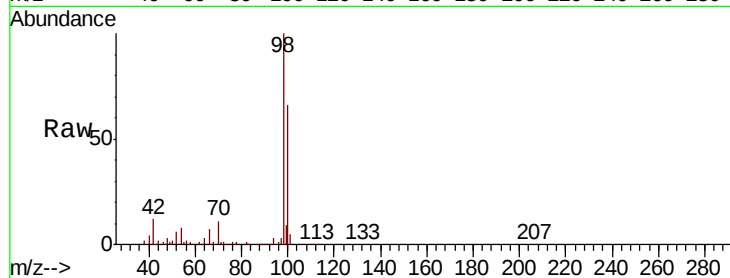




#50
Toluene-d8
Concen: 56.133 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

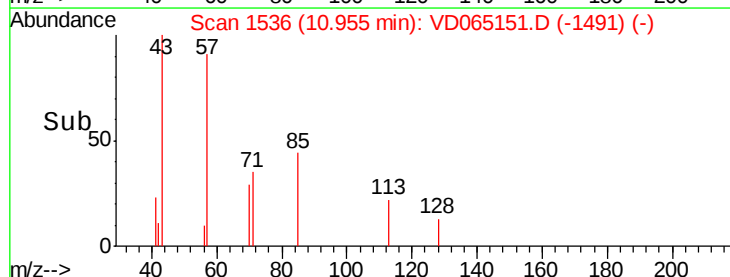
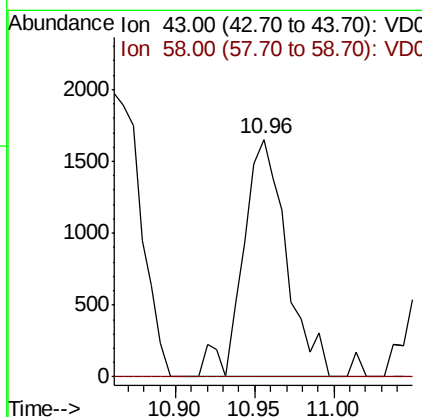
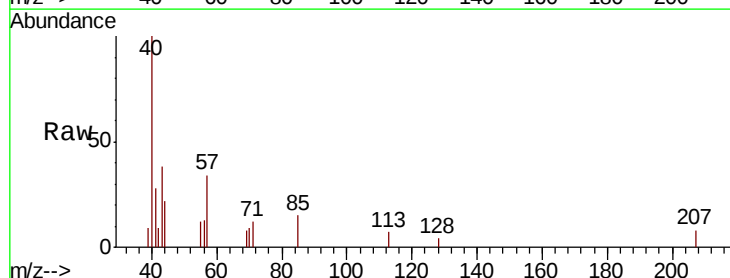
Instrument :
MSVOA_D
ClientSampleId :

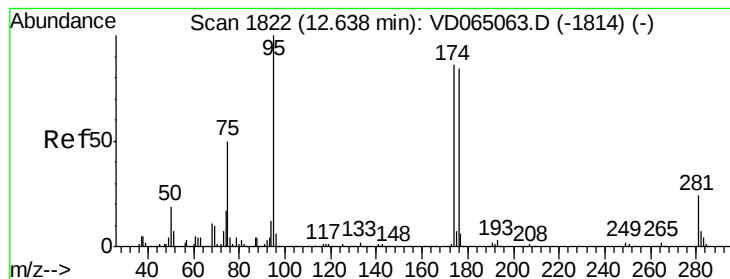
Tot Ion: 98 Resp: 1120803
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#59
2-Hexanone
Concen: 1.388 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD065151.D
Acq: 11 Feb 2020 18:32

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#





#62

4-Bromofluorobenzene

Concen: 68.907 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

ClientSampleId :

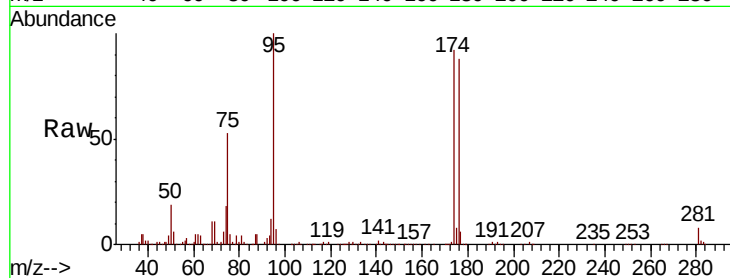
Tot Ion: 95 Resp: 435965

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.0

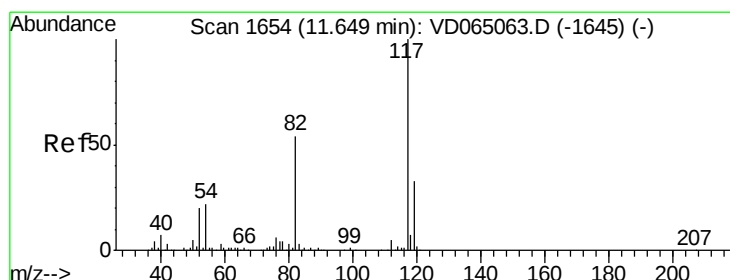
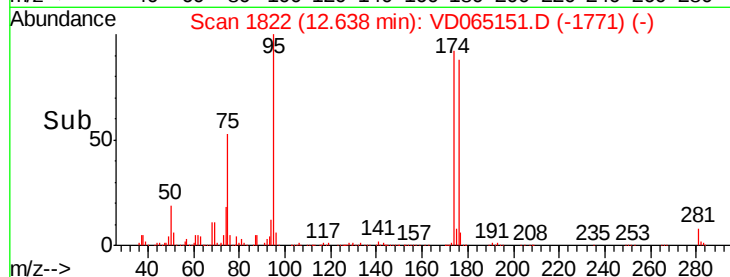
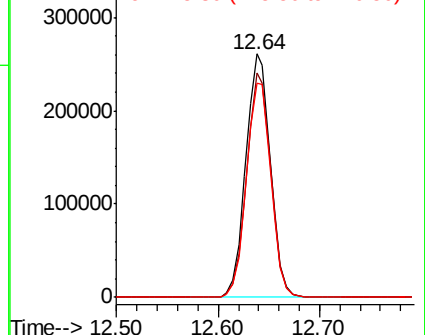
176 88.5 0.0 173.2



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: VD065151.D

Acq: 11 Feb 2020 18:32

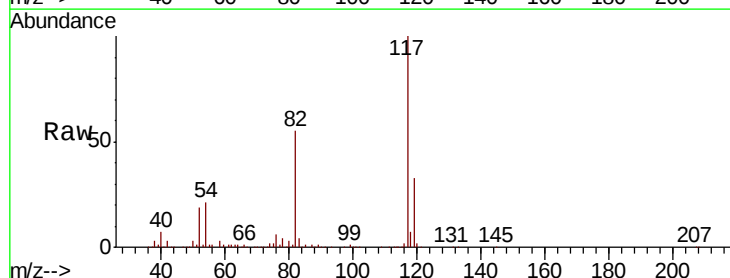
Tgt Ion: 117 Resp: 957971

Ion Ratio Lower Upper

117 100

82 55.5 43.1 64.7

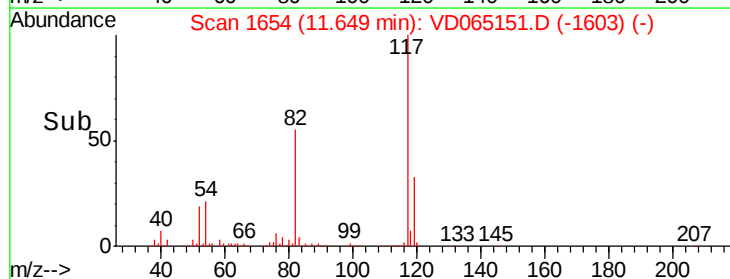
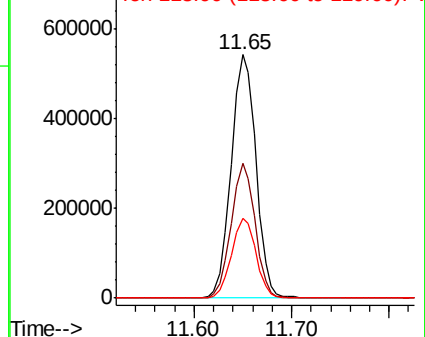
119 32.8 26.0 39.0

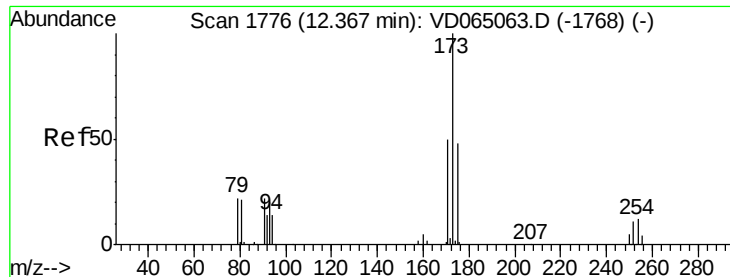


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.034 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

ClientSampled :

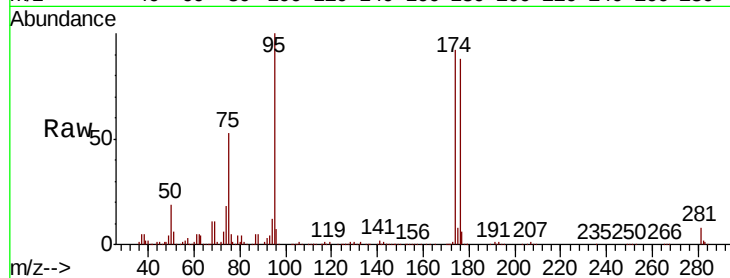
Tot Ion:173 Resp: 3805

Ion Ratio Lower Upper

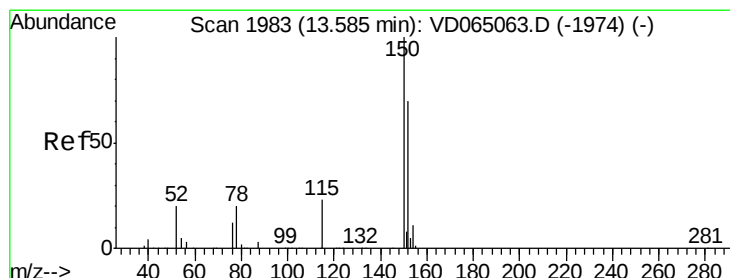
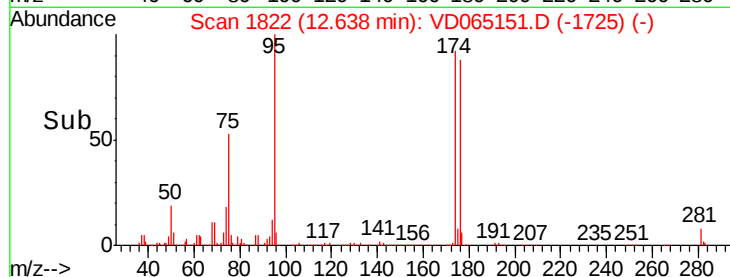
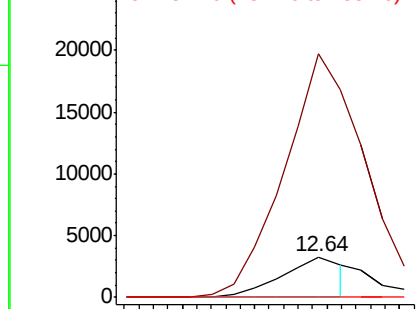
173 100

175 593.5 24.3 72.8#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VD065151.D

Acq: 11 Feb 2020 18:32

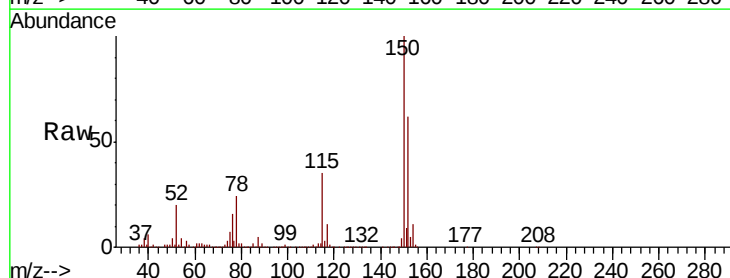
Tgt Ion:152 Resp: 488546

Ion Ratio Lower Upper

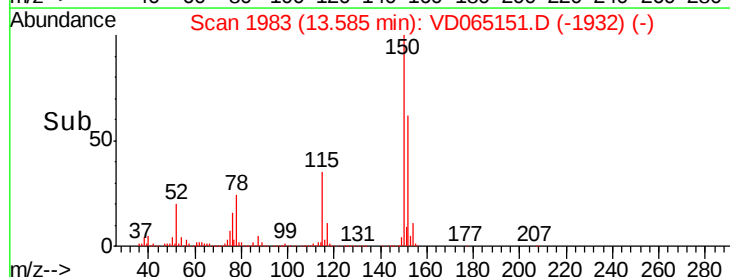
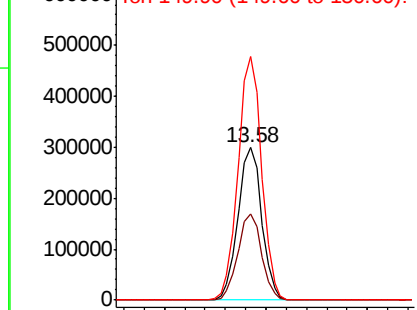
152 100

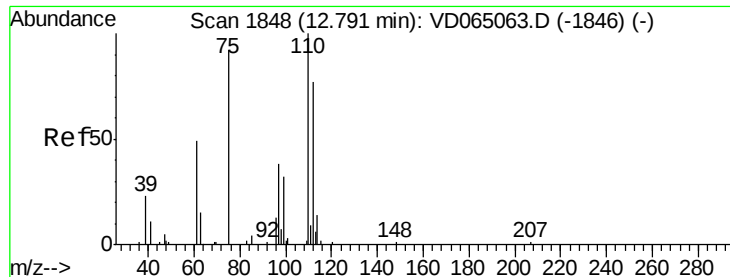
115 56.3 27.5 82.4

150 158.2 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: 61.332 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

Instrument :

MSVOA_D

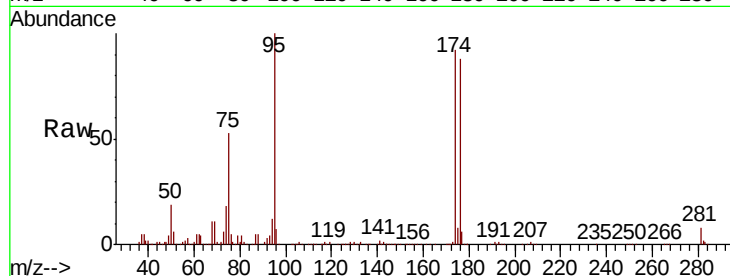
ClientSampled :

Tot Ion: 75 Resp: 226856

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

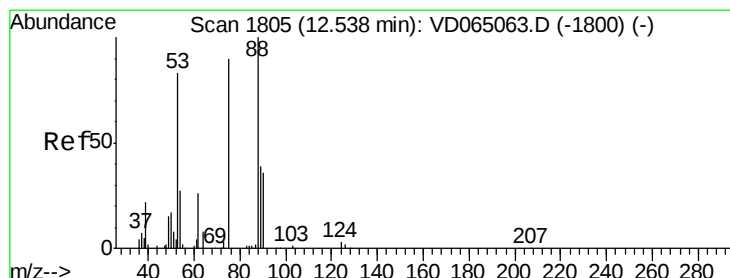
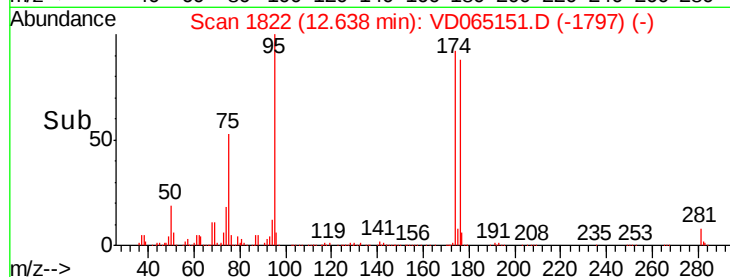
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 122.659 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065151.D

Acq: 11 Feb 2020 18:32

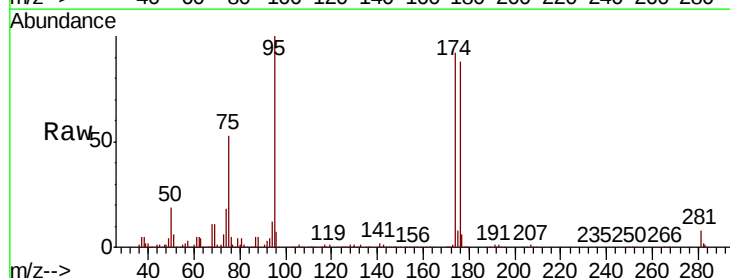
Tgt Ion: 75 Resp: 226856

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

12.64

150000

100000

50000

0

Time-->

