

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065121.D
 Acq On : 07 Feb 2020 20:37
 Operator : VA/SY
 Sample : L1403-16
 Misc : 6.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:09:59 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	487504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	778105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	801329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	383882	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	224751	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	7.92	113	239623	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	
50) Toluene-d8	10.34	98	969076	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.64	95	344878	62.99	ug/l	0.00
Spiked Amount			Recovery	=	125.98%	

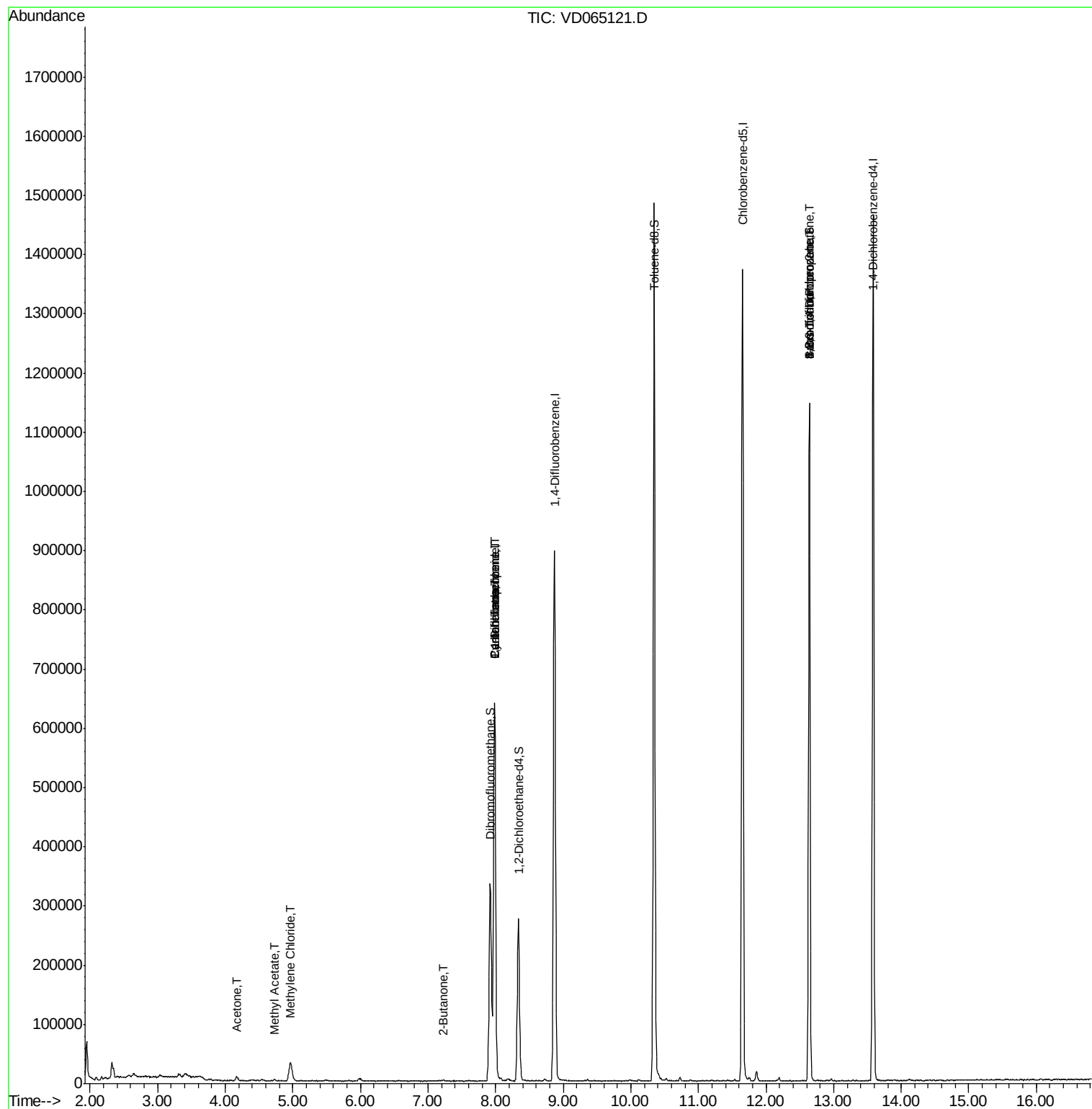
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	10859	10.483	ug/l #	87
18) Methyl Acetate	4.73	43	3775	1.744	ug/l #	55
20) Methylene Chloride	4.96	84	23024	1.202	ug/l	90
25) 2-Butanone	7.23	43	1785	1.445	ug/l	92
31) Cyclohexane	7.98	56	11513	1.397	ug/l #	19
36) 1,1-Dichloropropene	7.99	75	38396	5.307	ug/l #	49
38) Carbon Tetrachloride	7.99	117	45918	6.214	ug/l #	16
71) Bromoform	12.64	173	3537	1.149	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	178392	61.379	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178392	122.753	ug/l #	10

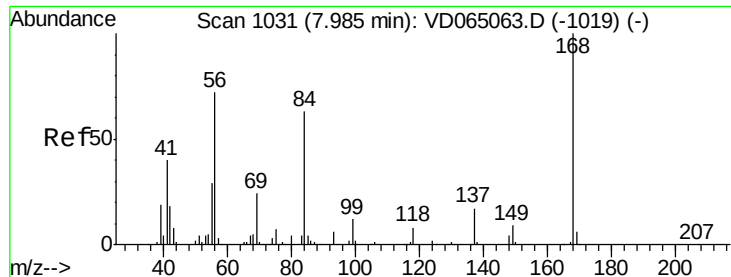
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020720\
Data File : VD065121.D
Acq On : 07 Feb 2020 20:37
Operator : VA/SY
Sample : L1403-16
Misc : 6.53G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 08 00:09:59 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: VD065121.D

Acq: 07 Feb 2020 20:37

Instrument :

MSVOA_D

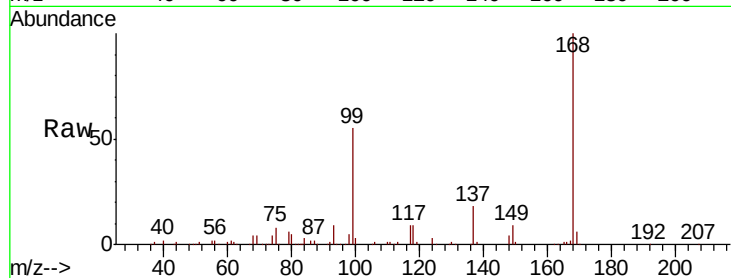
ClientSampleId :

Tot Ion:168 Resp: 487504

Ion Ratio Lower Upper

168 100

99 54.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

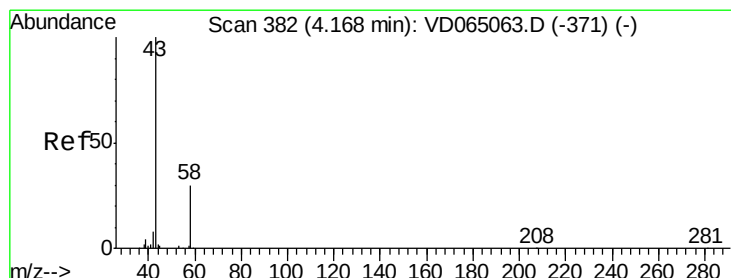
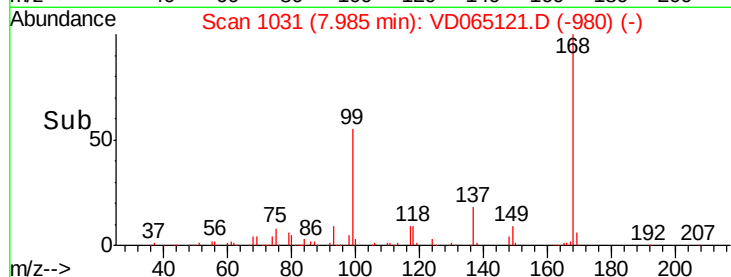
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 10.483 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065121.D

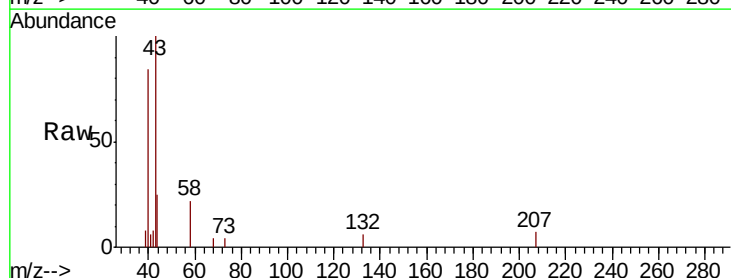
Acq: 07 Feb 2020 20:37

Tgt Ion: 43 Resp: 10859

Ion Ratio Lower Upper

43 100

58 22.4 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4000

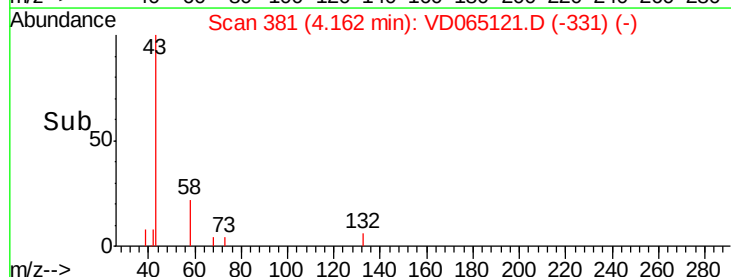
3000

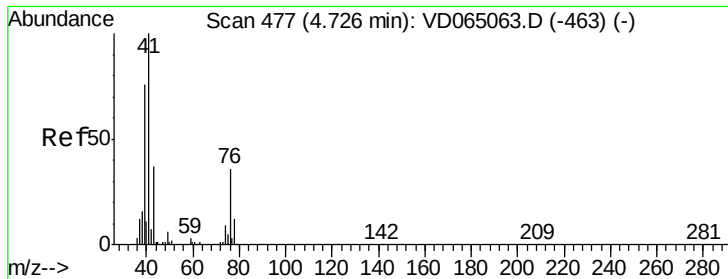
2000

1000

0

Time-->

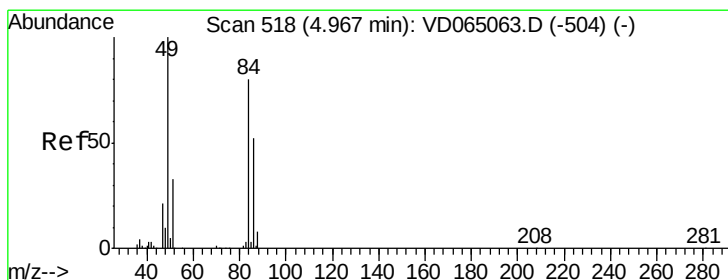
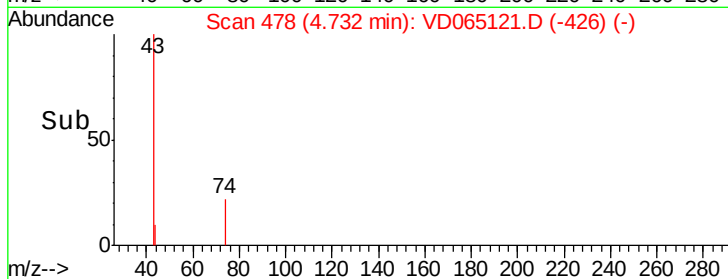
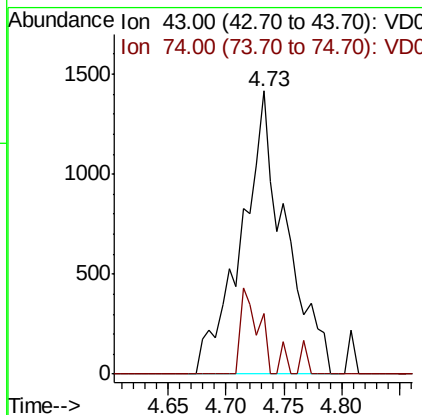
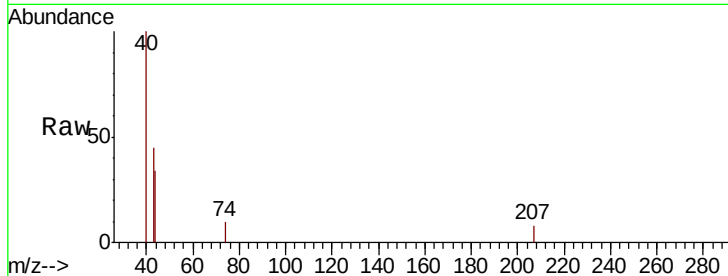




#18
Methyl Acetate
Concen: 1.744 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065121.D
Acq: 07 Feb 2020 20:37

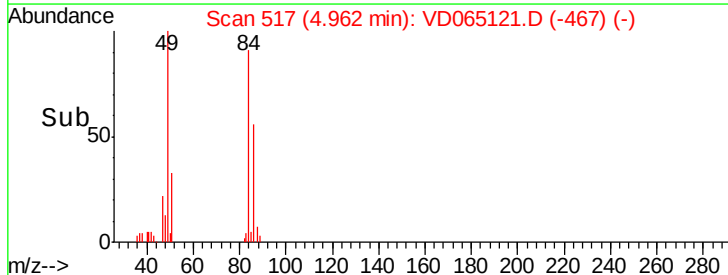
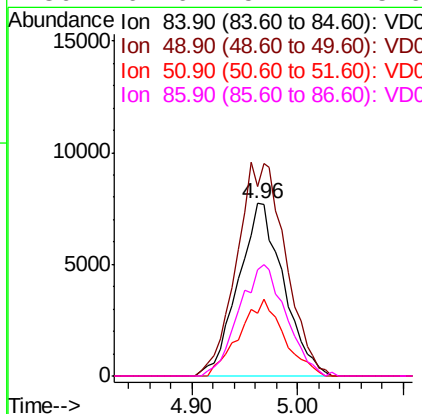
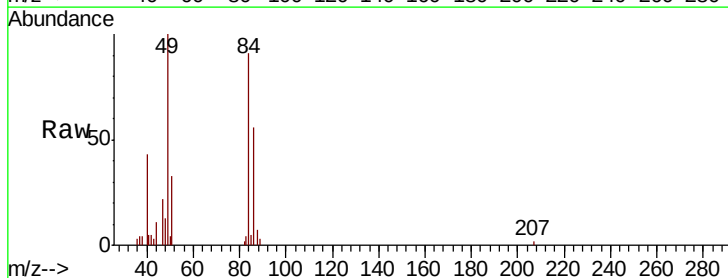
Instrument :
MSVOA_D
ClientSampleId :

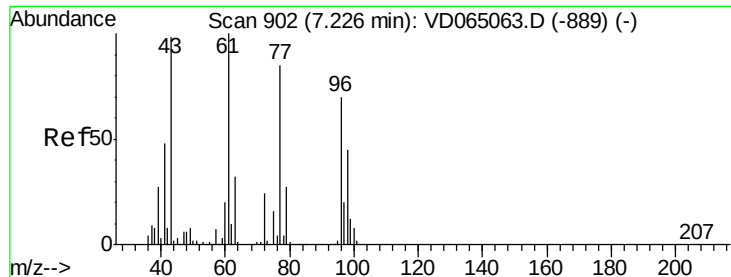
Tot Ion: 43 Resp: 3775
Ion Ratio Lower Upper
43 100
74 1.5 18.7 28.1#



#20
Methylene Chloride
Concen: 1.202 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065121.D
Acq: 07 Feb 2020 20:37

Tgt Ion: 84 Resp: 23024
Ion Ratio Lower Upper
84 100
49 109.9 100.4 150.6
51 36.4 32.7 49.1
86 61.6 52.4 78.6





#25

2-Butanone

Concen: 1.445 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

Instrument :

MSVOA_D

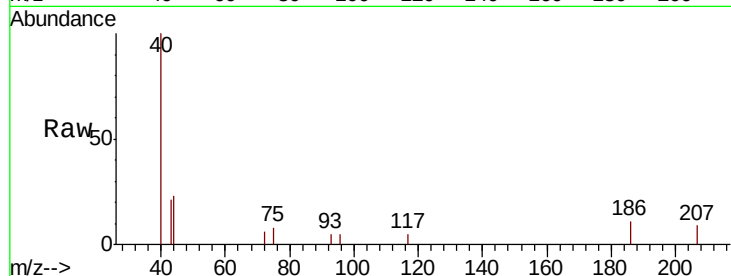
ClientSampled :

Tot Ion: 43 Resp: 1785

Ion Ratio Lower Upper

43 100

72 29.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

7.23

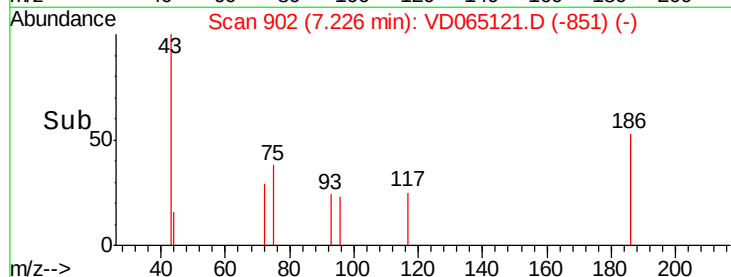
7.23

7.23

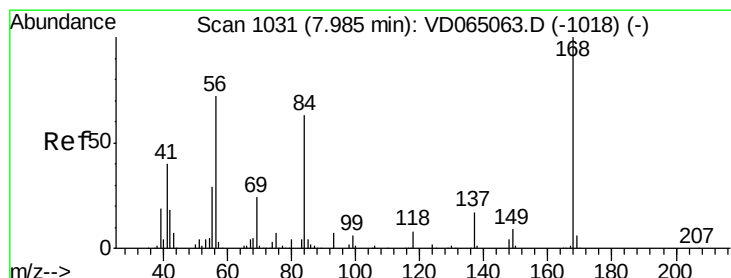
7.23

7.23

7.23



Time--> 7.15 7.20 7.25 7.30



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

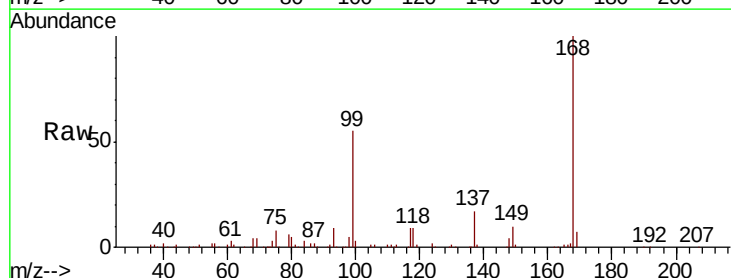
Tgt Ion: 56 Resp: 11513

Ion Ratio Lower Upper

56 100

69 165.6 26.6 40.0#

84 110.5 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

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

7.98

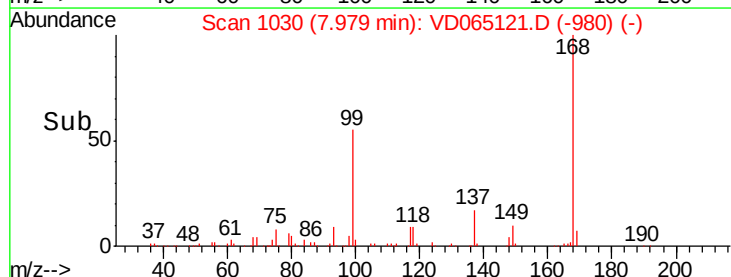
7.98

7.98

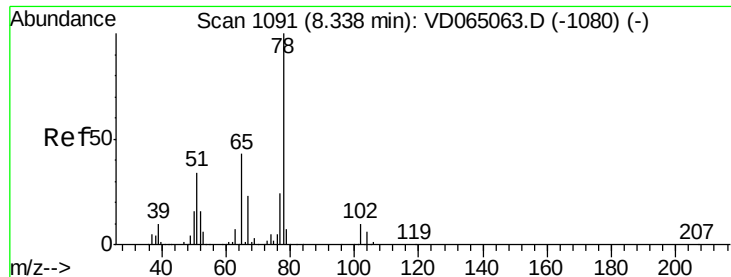
7.98

7.98

7.98



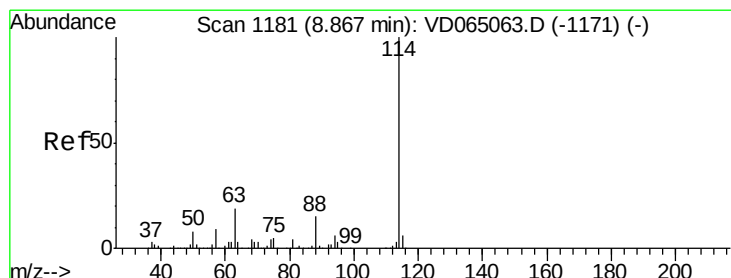
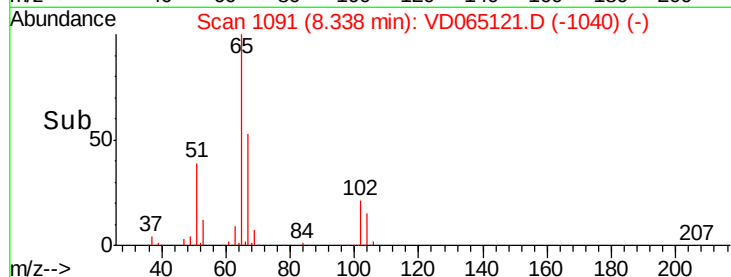
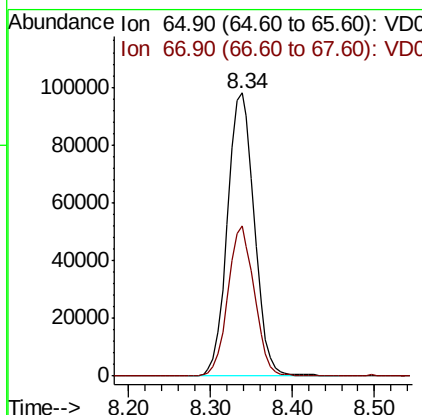
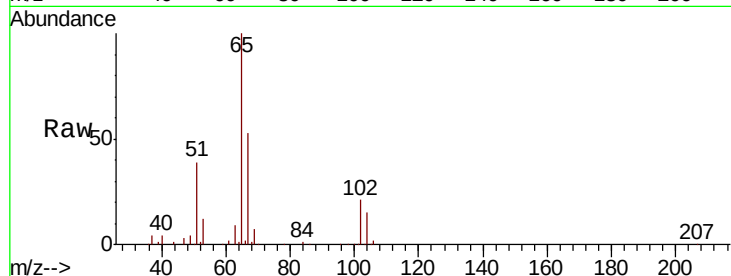
Time--> 7.90 7.95 8.00 8.05



#33
 1,2-Dichloroethane-d4
 Concen: 54.244 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065121.D
 Acq: 07 Feb 2020 20:37

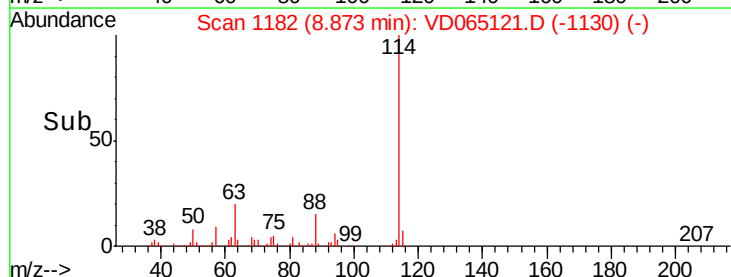
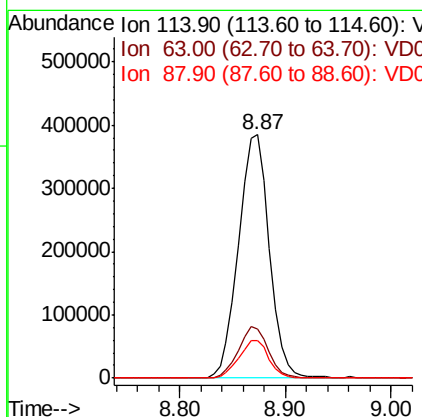
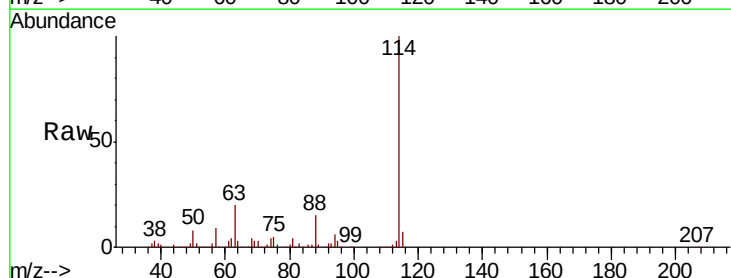
Instrument :
 MSVOA_D
 ClientSampled :

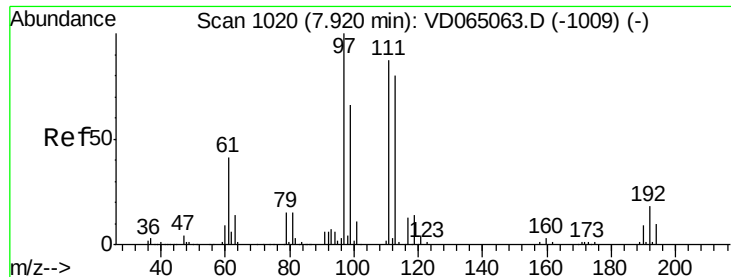
Tot Ion: 65 Resp: 224751
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065121.D
 Acq: 07 Feb 2020 20:37

Tgt Ion: 114 Resp: 778105
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.8
 88 15.2 0.0 29.6

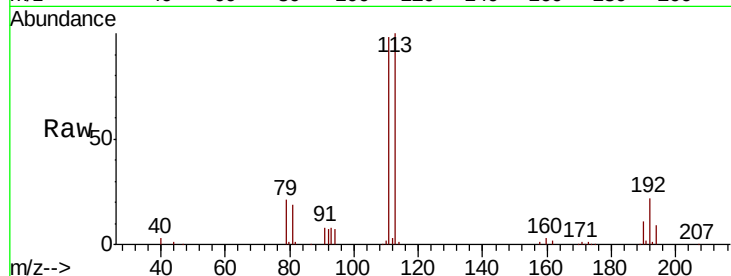




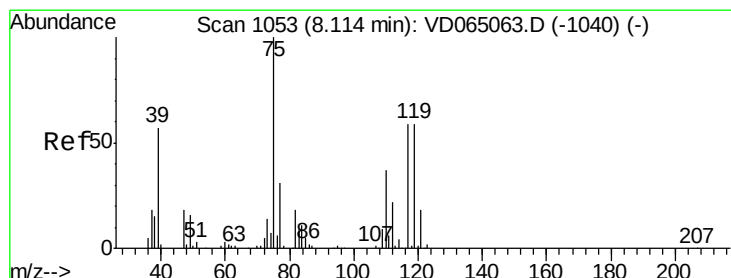
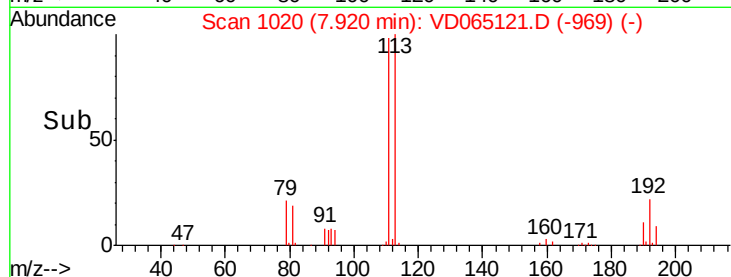
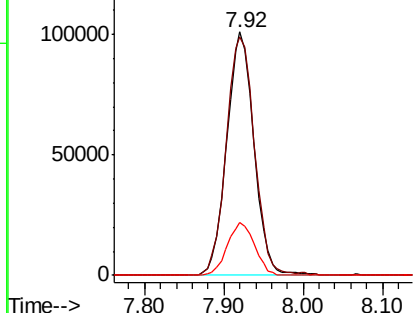
#35
 Dibromofluoromethane
 Concen: 55.196 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065121.D
 Acq: 07 Feb 2020 20:37

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.1	124.7
192	21.9	18.1	27.1

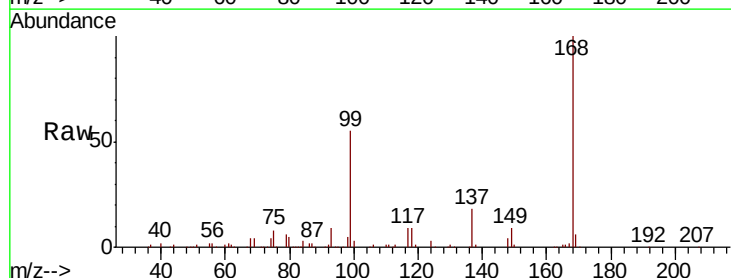


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

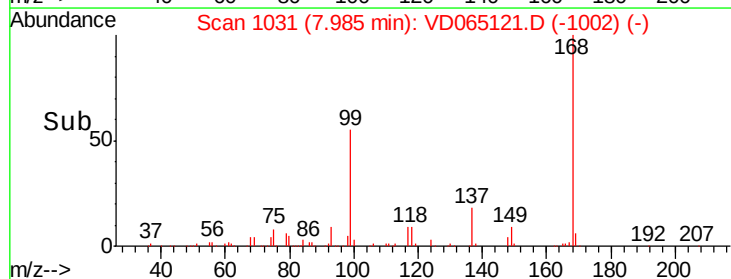
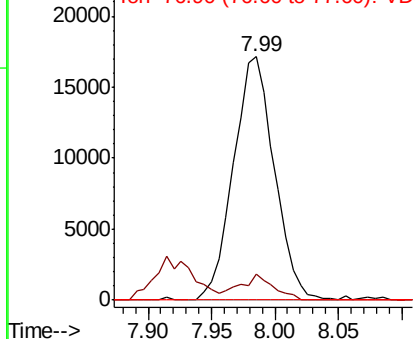


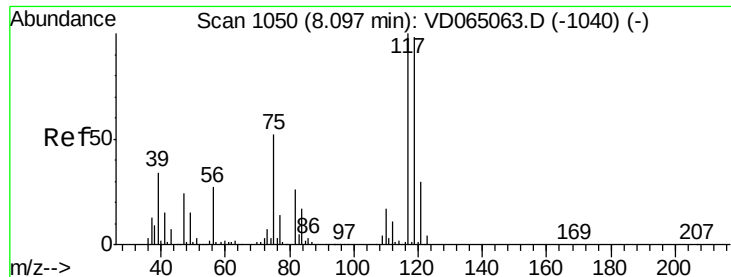
#36
 1,1-Dichloropropene
 Concen: 5.307 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065121.D
 Acq: 07 Feb 2020 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	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

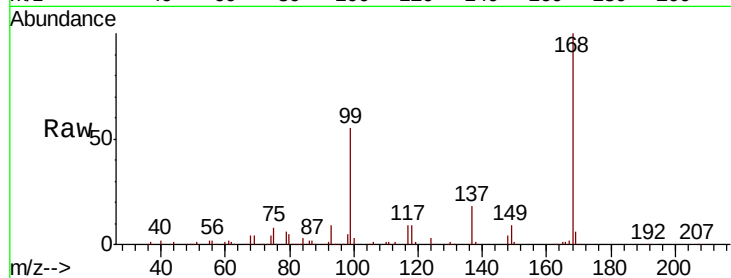




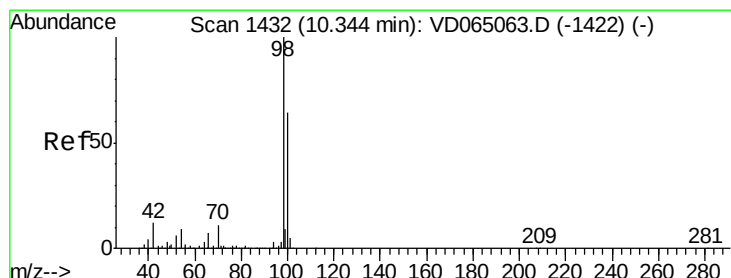
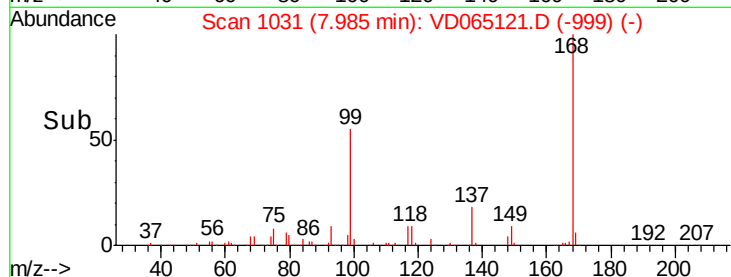
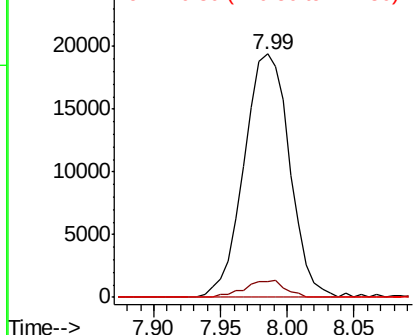
#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065121.D
Acq: 07 Feb 2020 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 45918
Ion Ratio Lower Upper
117 100
119 6.5 78.5 117.7#
121 0.0 23.8 35.6#

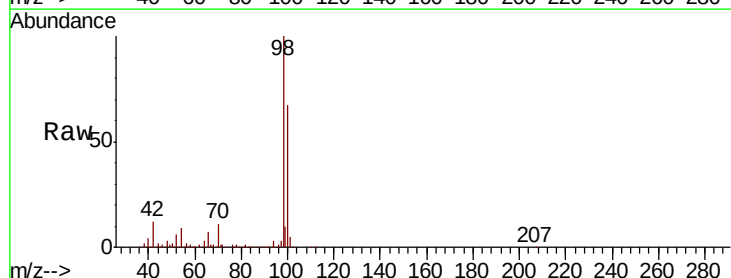


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

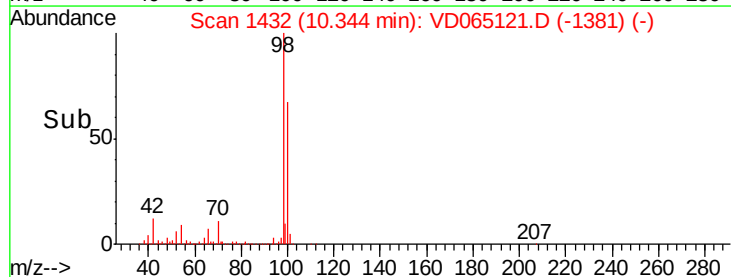
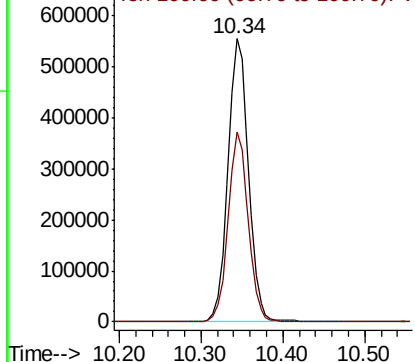


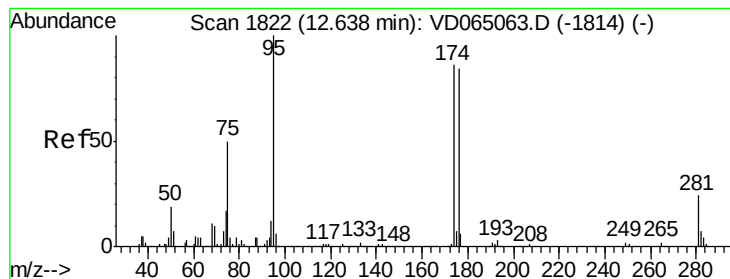
#50
Toluene-d8
Concen: 56.081 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065121.D
Acq: 07 Feb 2020 20:37

Tgt Ion: 98 Resp: 969076
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



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





#62

4-Bromofluorobenzene

Concen: 62.988 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

Instrument :

MSVOA_D

ClientSampleId :

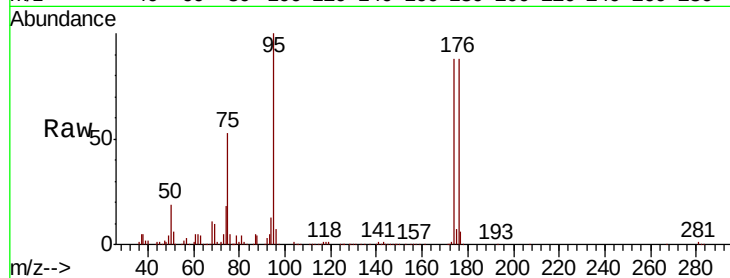
Tot Ion: 95 Resp: 344878

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

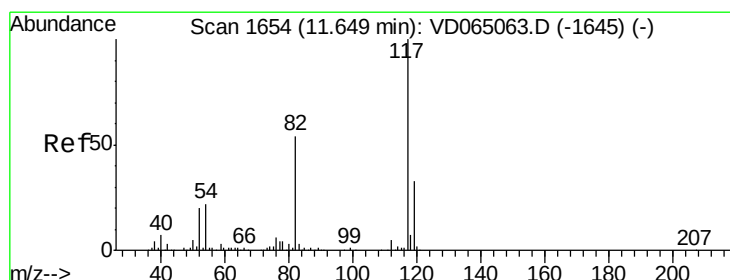
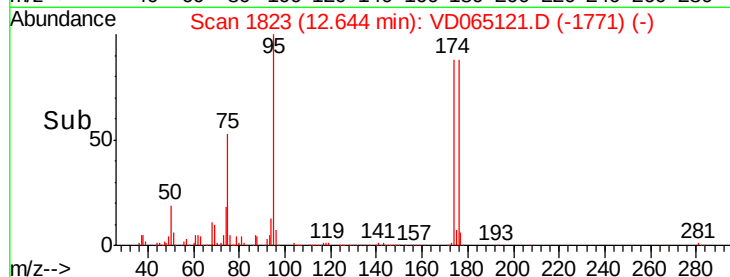
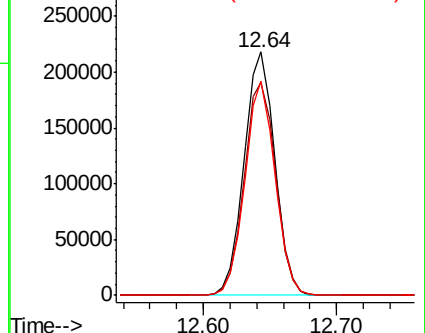
176 86.5 0.0 173.2



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: 11.66 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

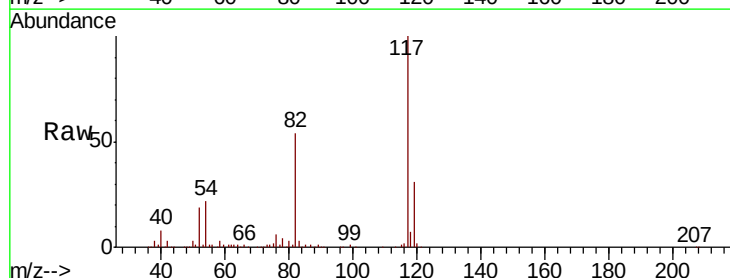
Tgt Ion: 117 Resp: 801329

Ion Ratio Lower Upper

117 100

82 53.6 43.1 64.7

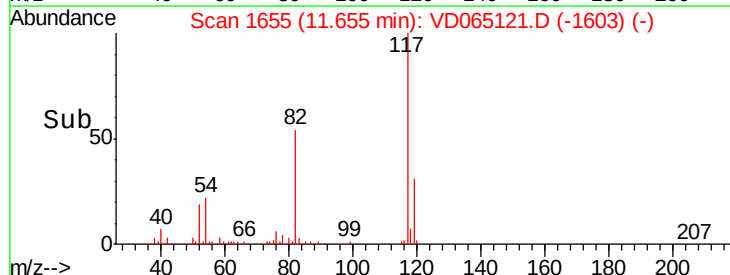
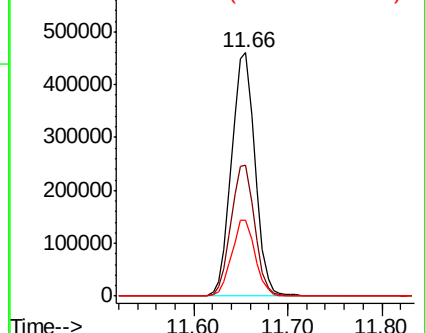
119 31.0 26.0 39.0

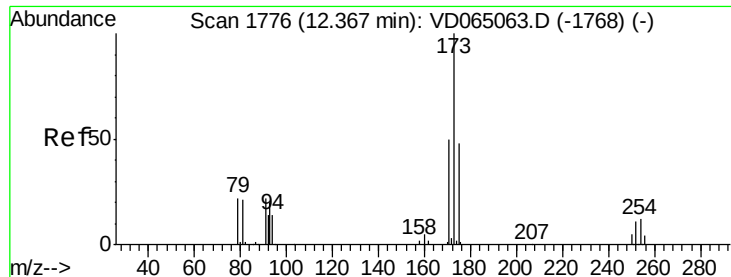


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.149 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

Instrument :

MSVOA_D

ClientSampleId :

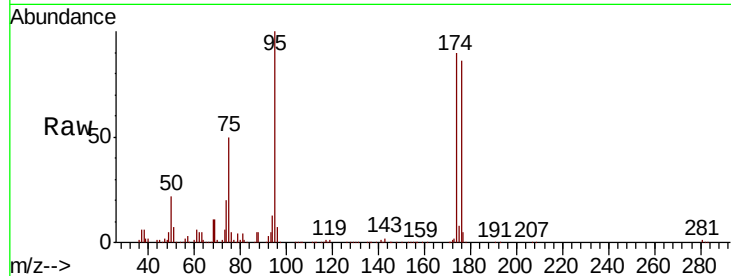
Tot Ion:173 Resp: 3537

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

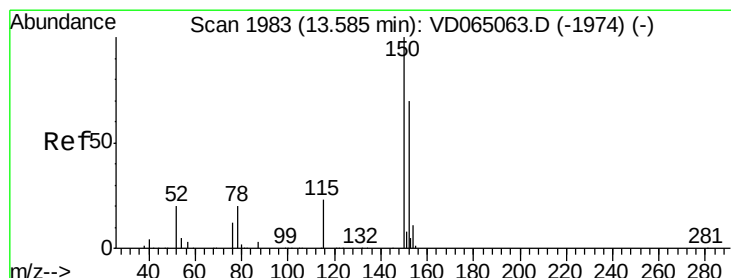
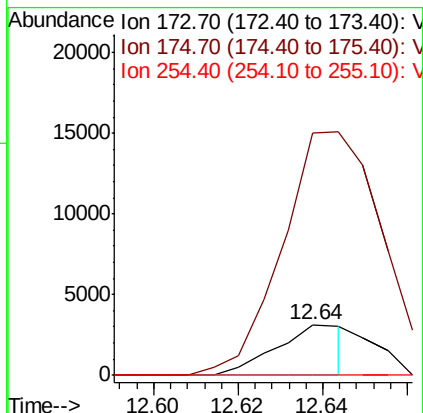
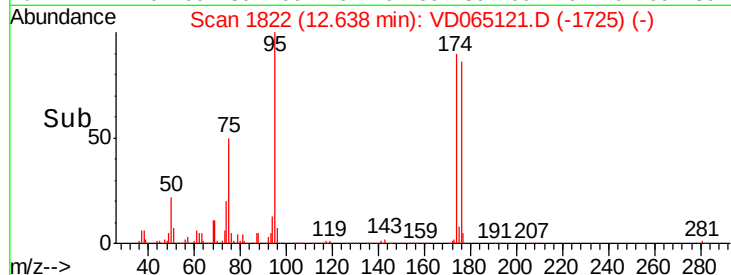
254 0.0 0.1 0.1#



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: VD065121.D

Acq: 07 Feb 2020 20:37

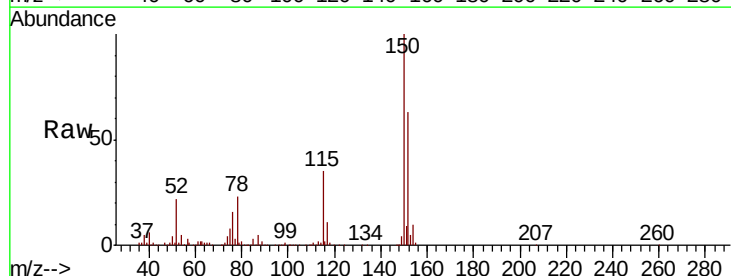
Tgt Ion:152 Resp: 383882

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.4

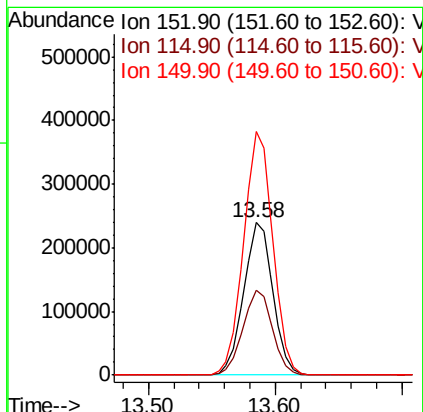
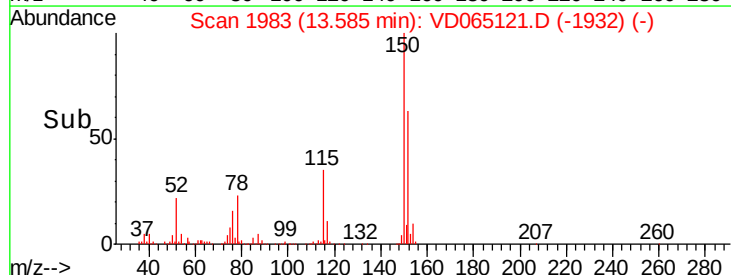
150 159.7 0.0 343.2

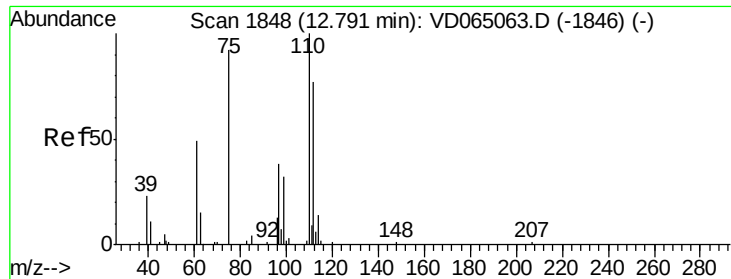


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.379 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

Instrument :

MSVOA_D

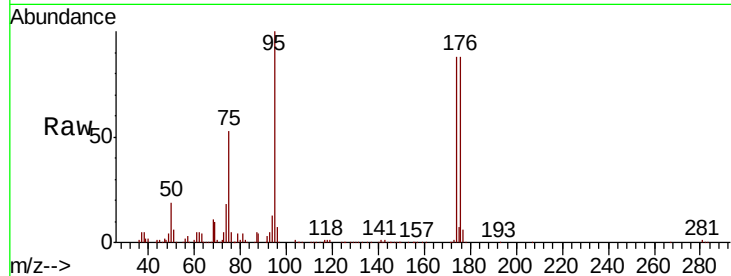
ClientSampleId :

Tot Ion: 75 Resp: 178392

Ion Ratio Lower Upper

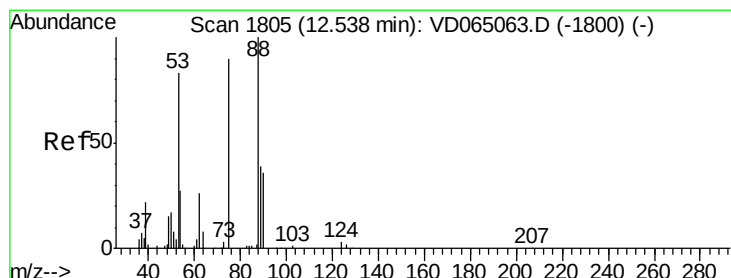
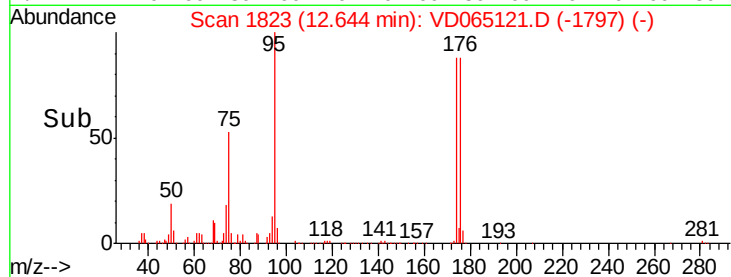
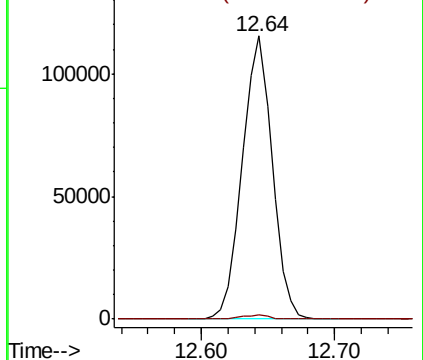
75 100

77 1.5 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: 122.753 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065121.D

Acq: 07 Feb 2020 20:37

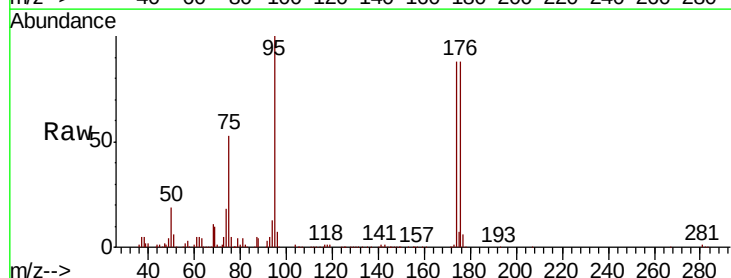
Tgt Ion: 75 Resp: 178392

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

