

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065089.D
 Acq On : 06 Feb 2020 16:22
 Operator : VA/SY
 Sample : L1394-01RE
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:09:41 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

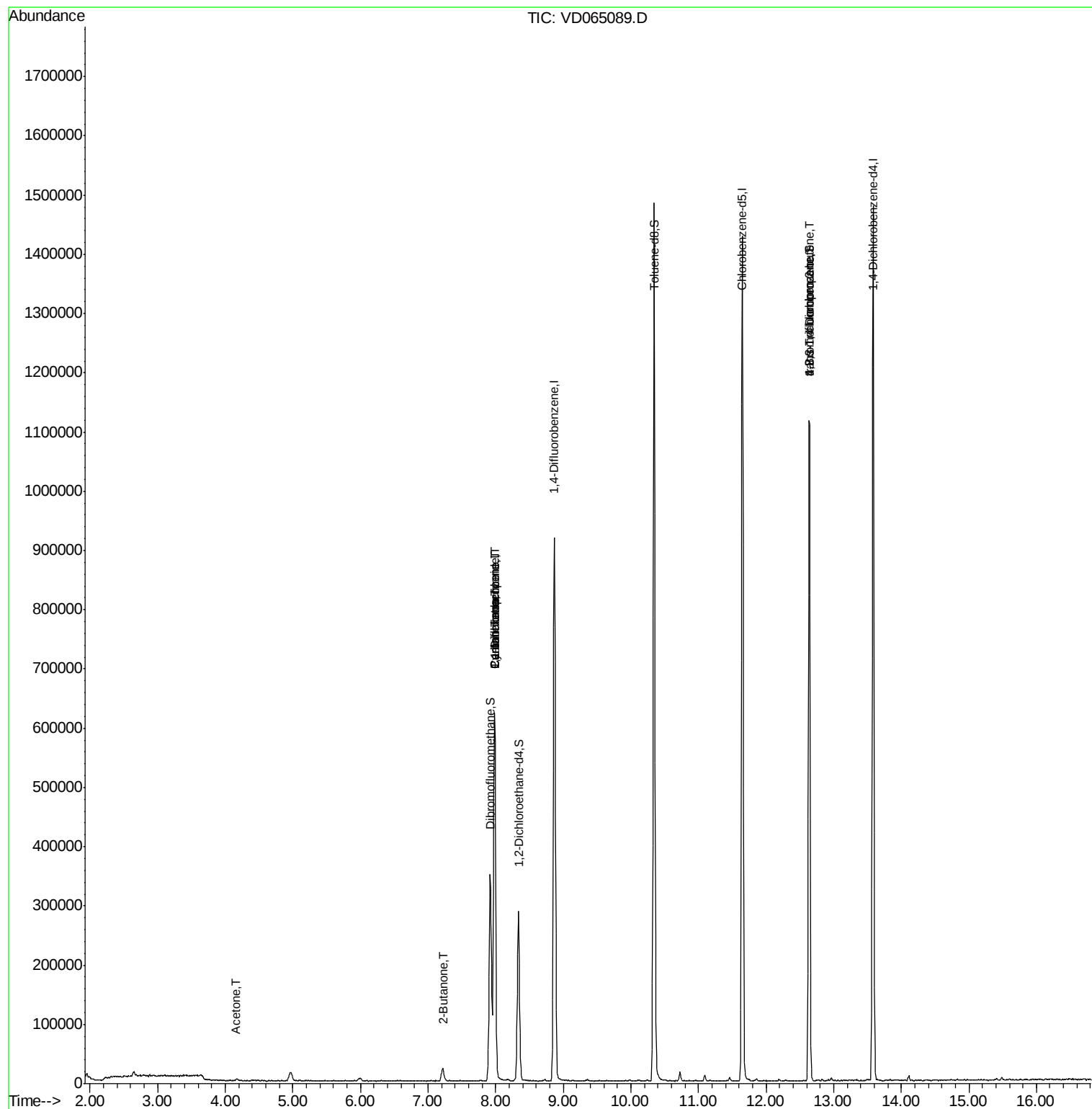
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	794254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	800176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	386269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	228840	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
35) Dibromofluoromethane	7.92	113	243284	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.34	98	983300	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.64	95	344673	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	
Target Compounds						
16) Acetone	4.17	43	4772	4.668	ug/l	93
20) Methylene Chloride	4.96	84	11389	Below Cal		90
25) 2-Butanone	7.22	43	2094	1.717	ug/l #	90
31) Cyclohexane	7.98	56	10692	1.314	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	35730	4.838	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45692	6.058	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	180492	61.718	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	180492	123.431	ug/l #	10

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

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Quant Time: Feb 07 06:09:41 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: VD065089.D

Acq: 06 Feb 2020 16:22

Instrument :

MSVOA_D

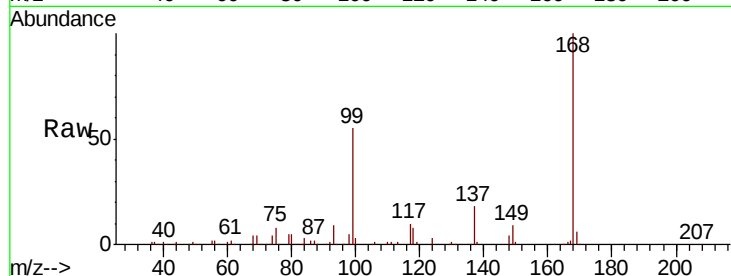
ClientSampled :

Tot Ion:168 Resp: 481115

Ion Ratio Lower Upper

168 100

99 54.9 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

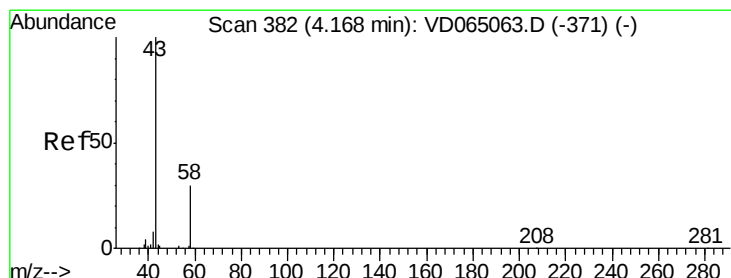
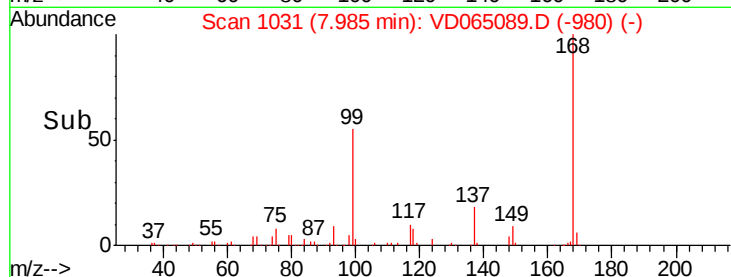
0

7.90

8.00

8.10

Time-->



#16

Acetone

Concen: 4.668 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065089.D

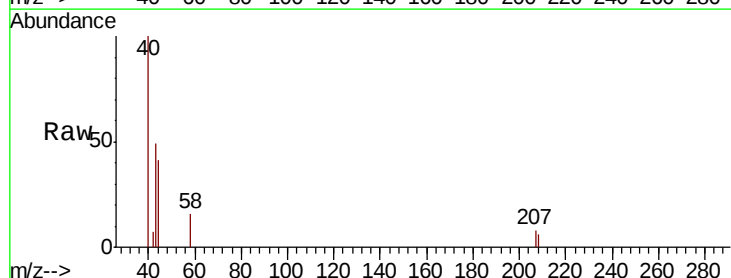
Acq: 06 Feb 2020 16:22

Tgt Ion: 43 Resp: 4772

Ion Ratio Lower Upper

43 100

58 33.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2000

1500

1000

500

0

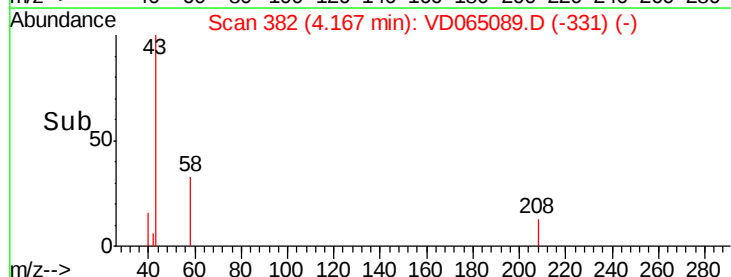
4.10

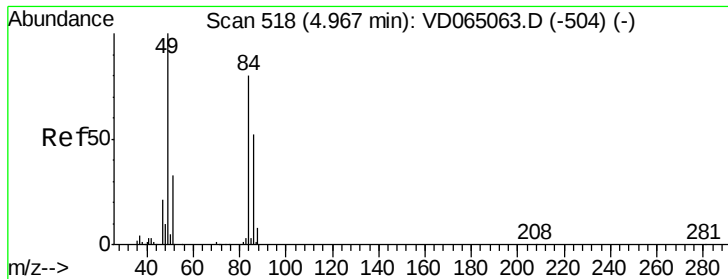
4.15

4.20

4.25

Time-->

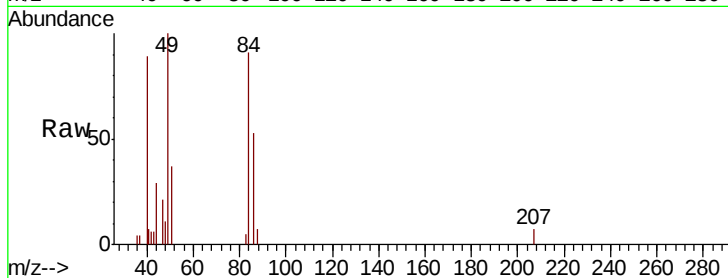




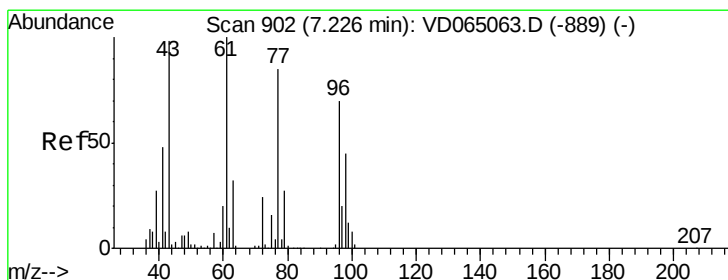
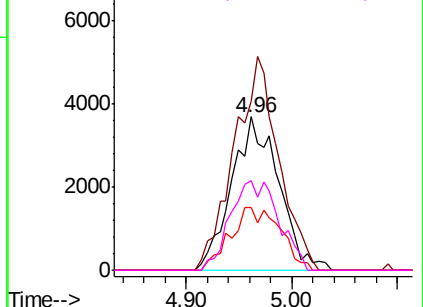
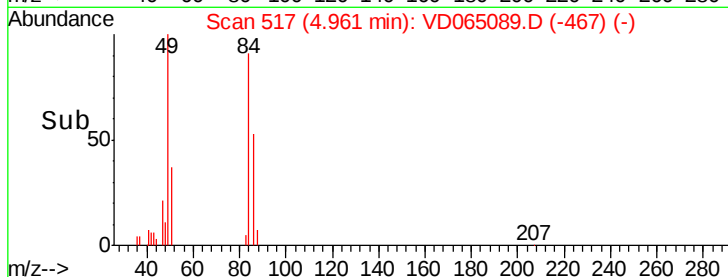
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 11389
Ion Ratio Lower Upper
84 100
49 110.4 100.4 150.6
51 40.7 32.7 49.1
86 58.8 52.4 78.6

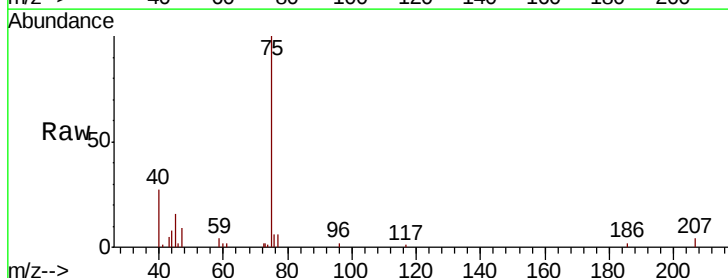


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

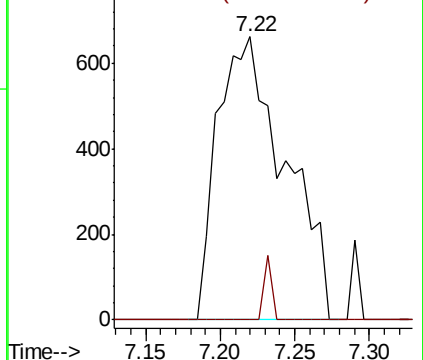
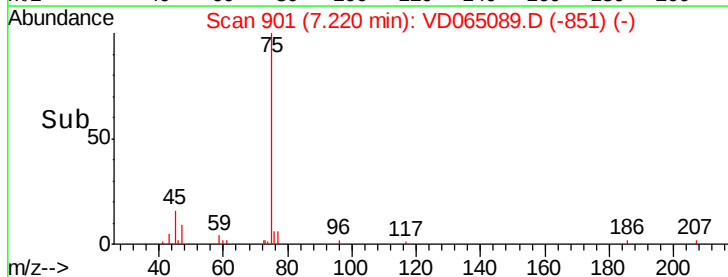


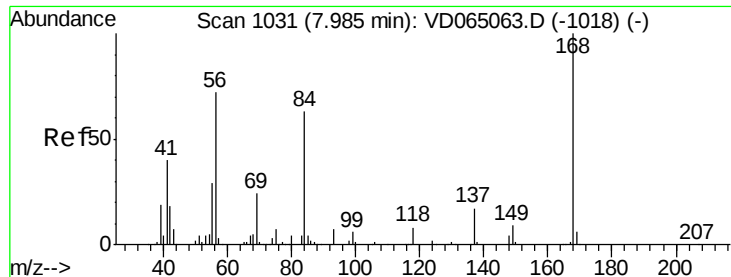
#25
2-Butanone
Concen: 1.717 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
72 30.1 19.9 29.9#



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

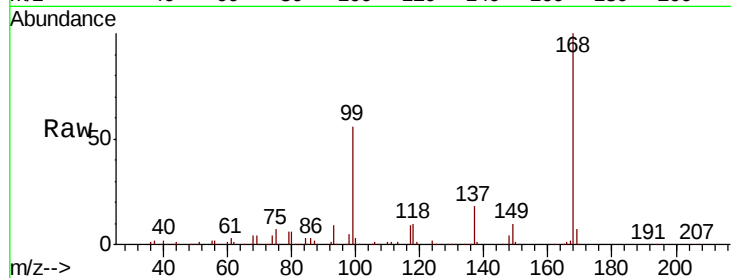




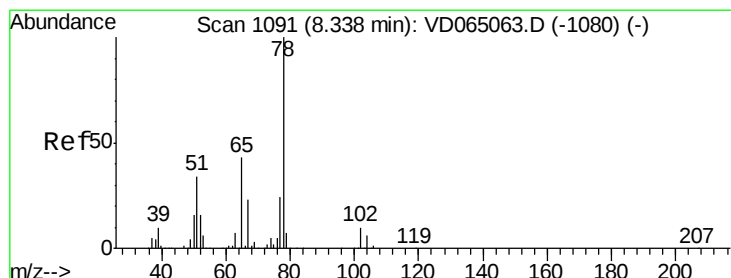
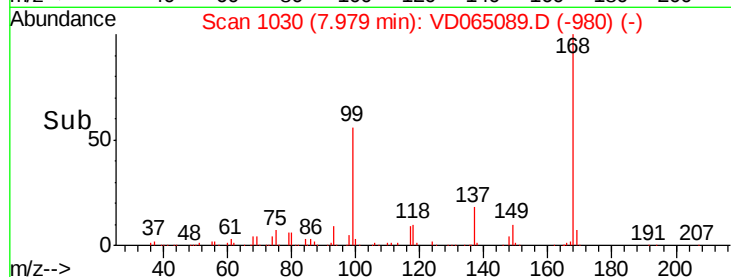
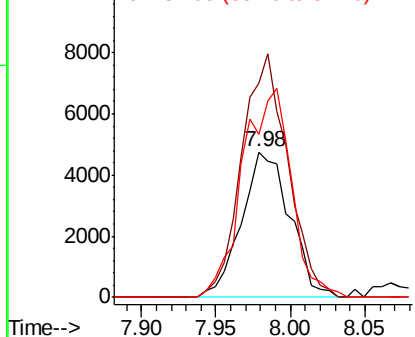
#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 10692
Ion Ratio Lower Upper
56 100
69 147.7 26.6 40.0#
84 112.6 70.6 106.0#

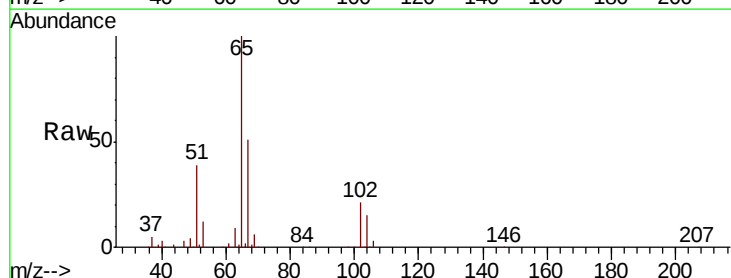


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

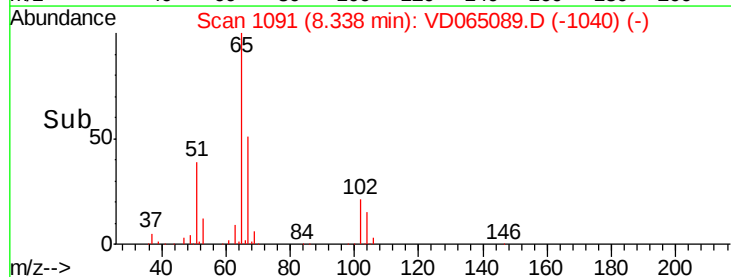
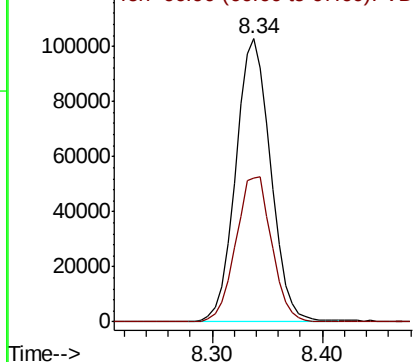


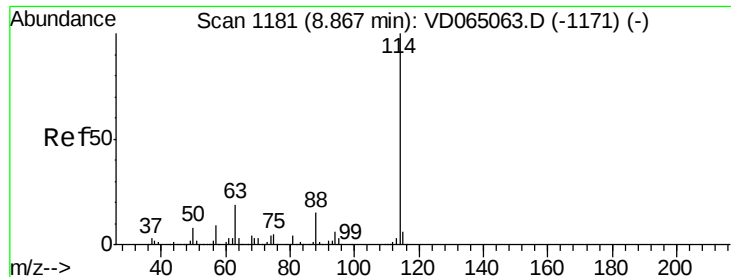
#33
1,2-Dichloroethane-d4
Concen: 55.964 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Tgt Ion: 65 Resp: 228840
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8



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

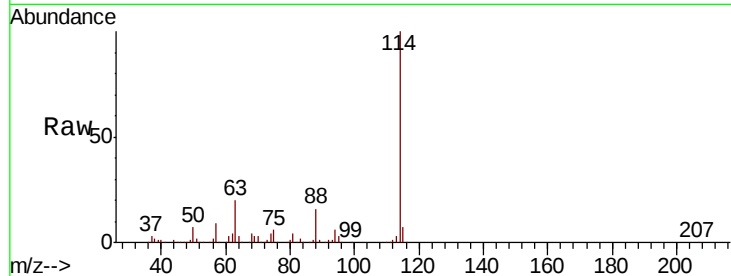




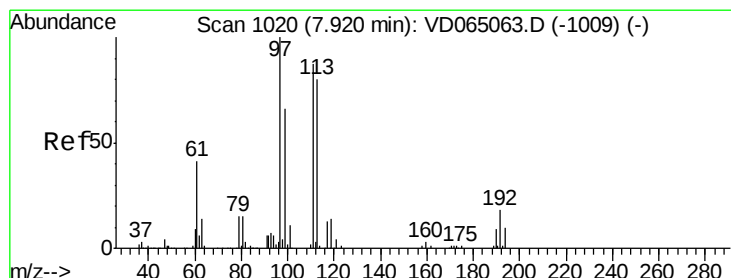
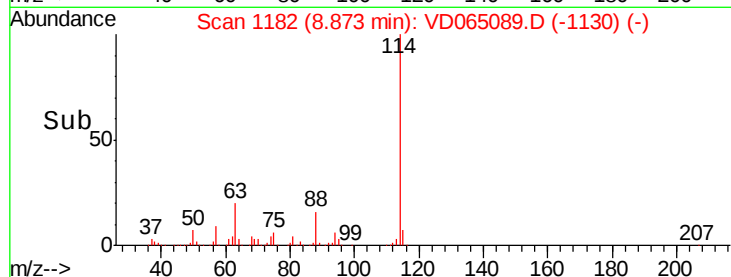
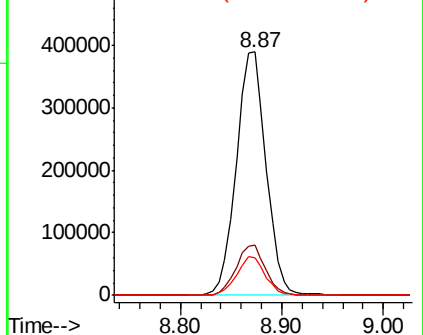
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065089.D
 Acq: 06 Feb 2020 16:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	38.8
88	15.6	0.0	29.6

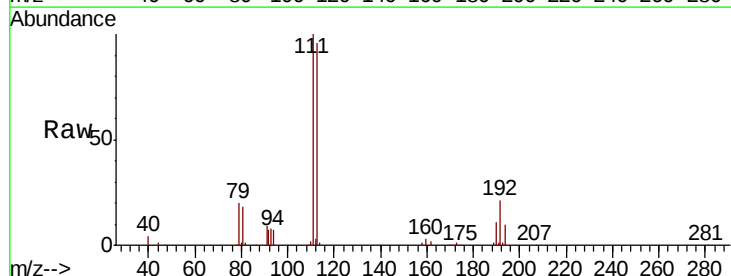


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

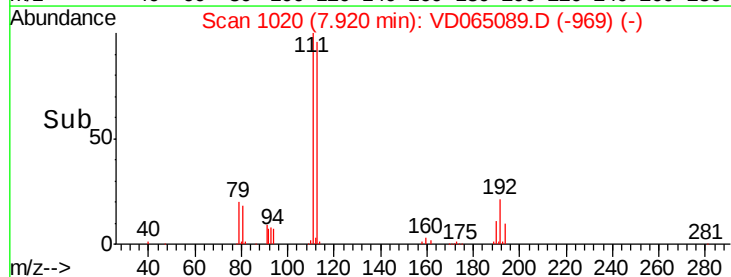
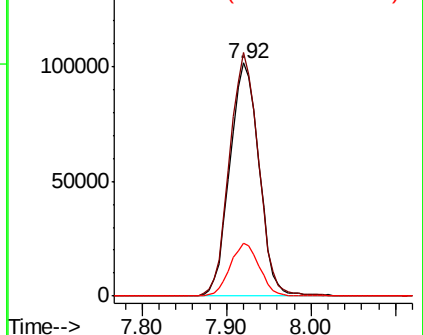


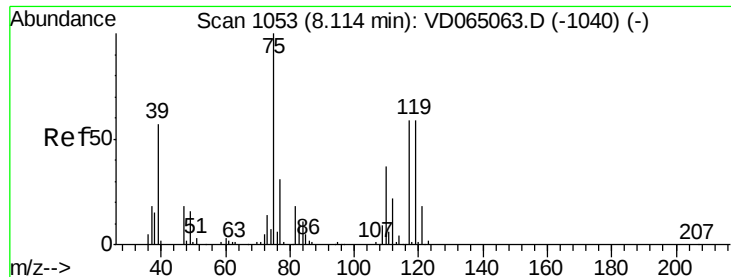
#35
 Dibromofluoromethane
 Concen: 54.899 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065089.D
 Acq: 06 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.1	124.7
192	22.5	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

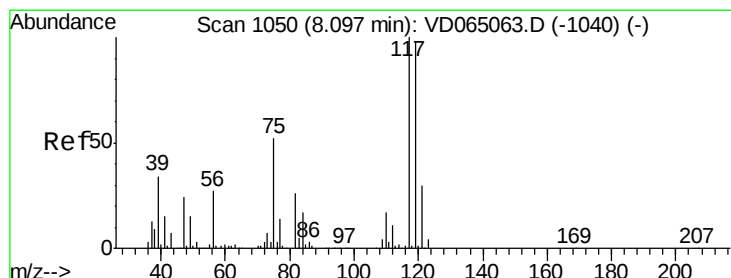
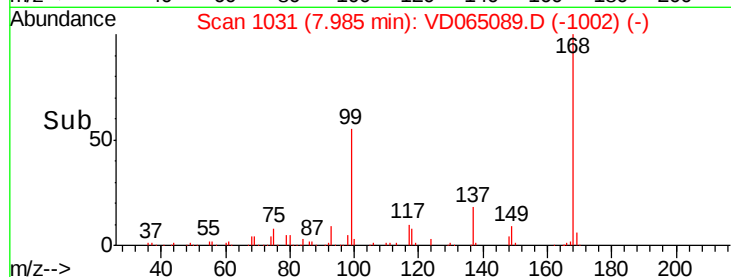
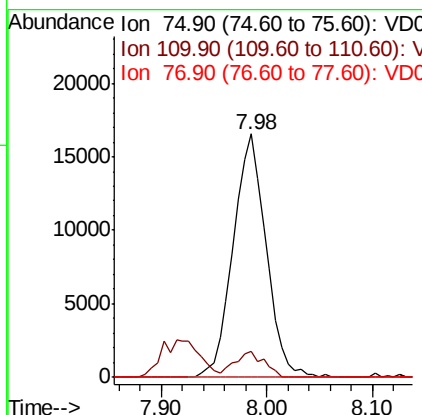
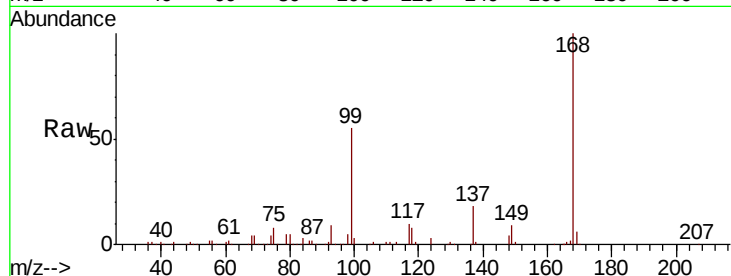




#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065089.D
 Acq: 06 Feb 2020 16:22

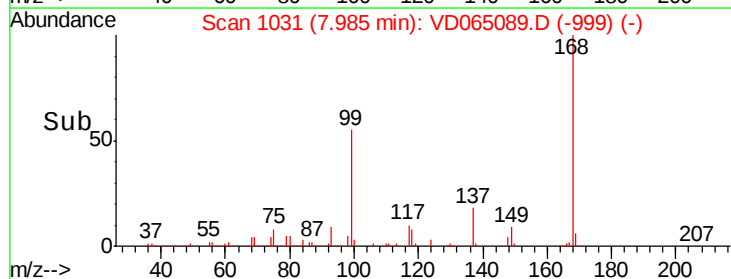
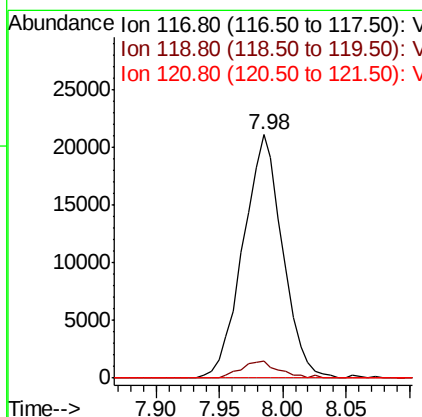
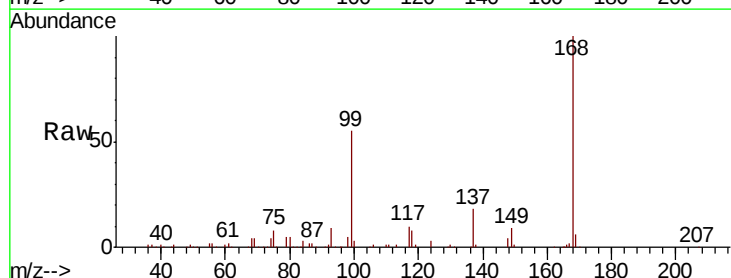
Instrument :
 MSVOA_D
 ClientSampleId :

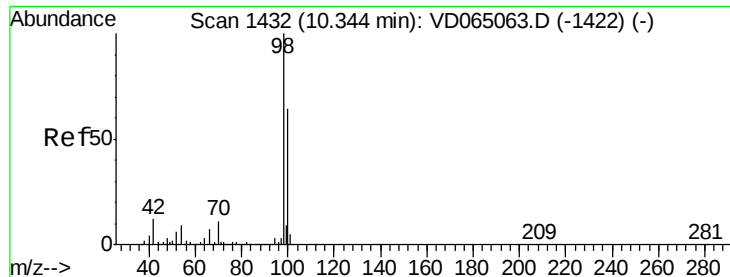
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.058 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065089.D
 Acq: 06 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.5	117.7#
121	0.0	23.8	35.6#

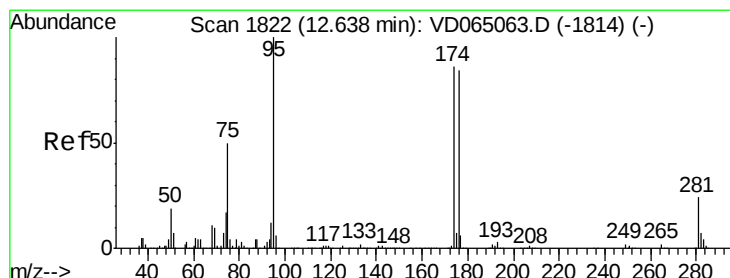
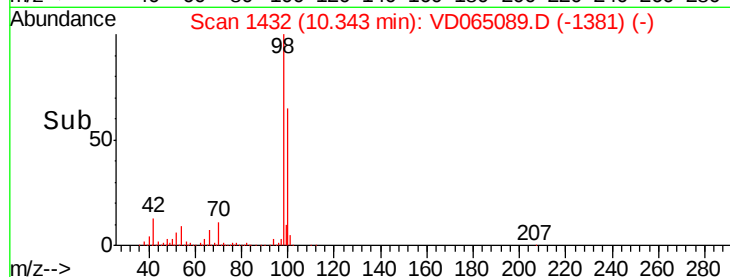
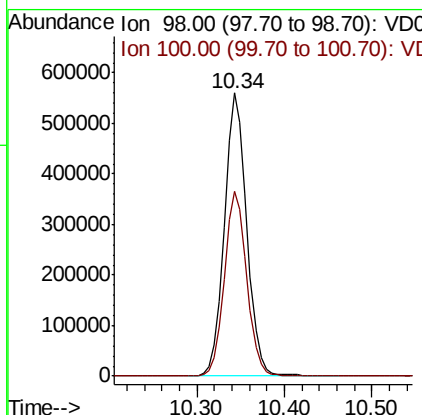
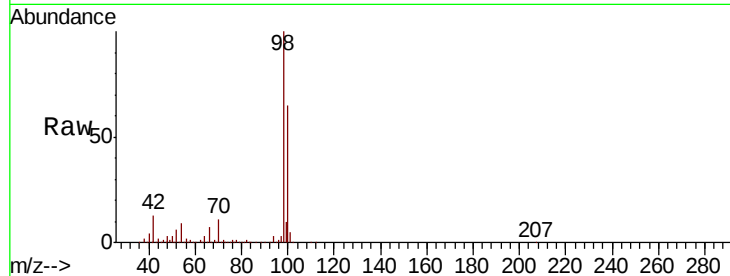




#50
Toluene-d8
Concen: 55.747 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

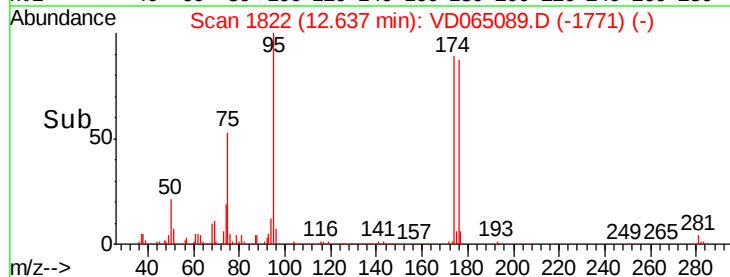
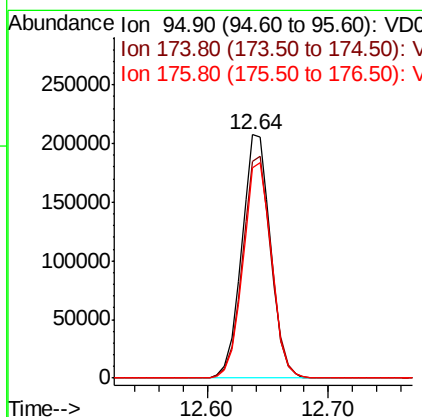
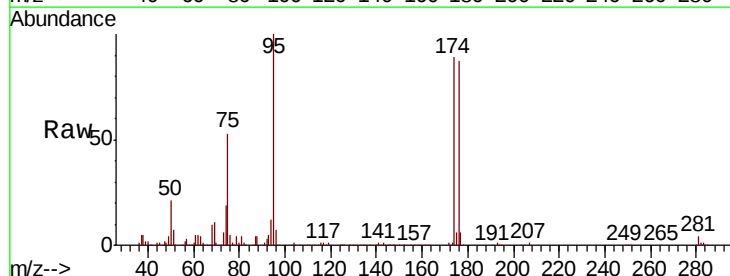
Instrument :
MSVOA_D
ClientSampleId :

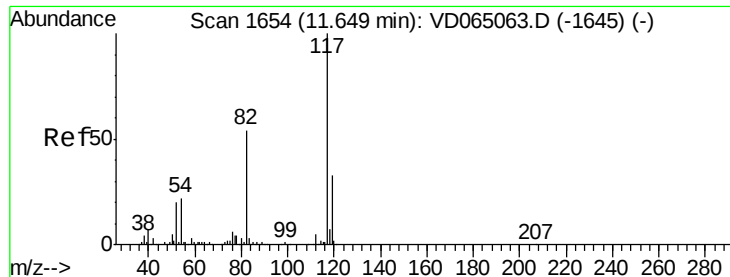
Tot Ion: 98 Resp: 983300
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 61.670 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Tgt Ion: 95 Resp: 344673
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.0
176 87.8 0.0 173.2

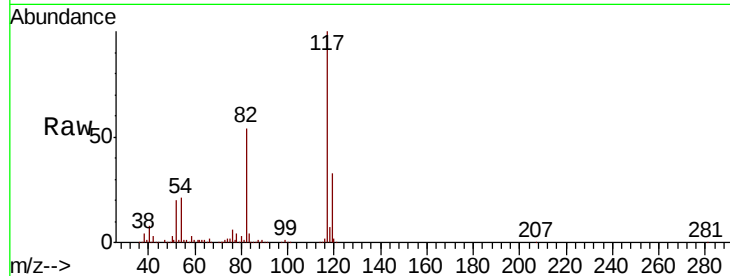




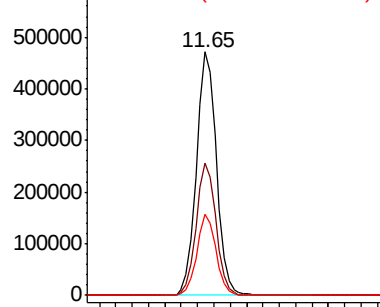
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

Instrument :
MSVOA_D
ClientSampleId :

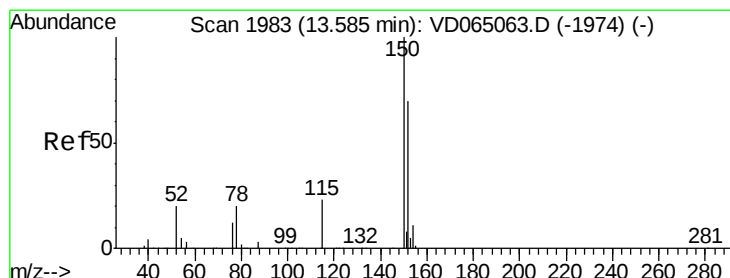
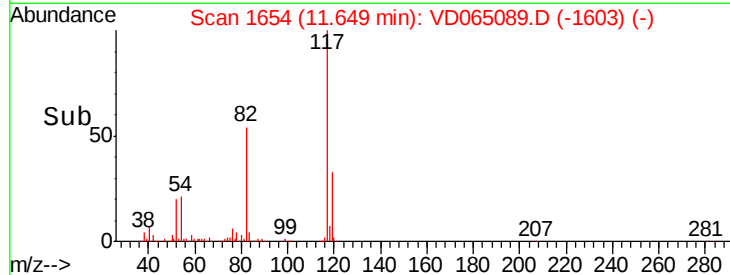
Tot Ion:117 Resp: 800176
Ion Ratio Lower Upper
117 100
82 54.2 43.1 64.7
119 33.4 26.0 39.0



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

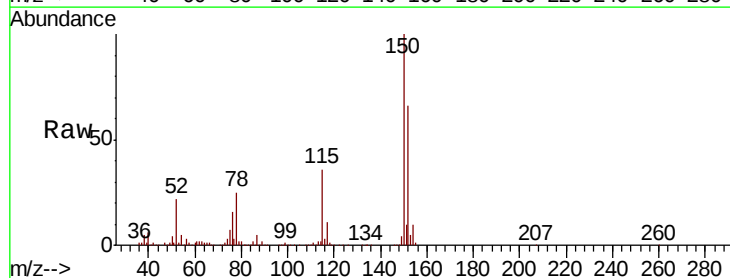


Time-->

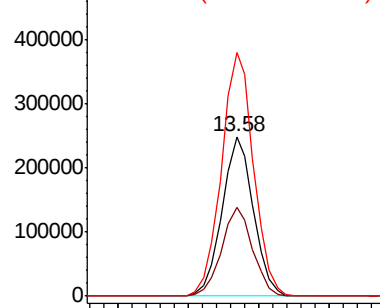


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065089.D
Acq: 06 Feb 2020 16:22

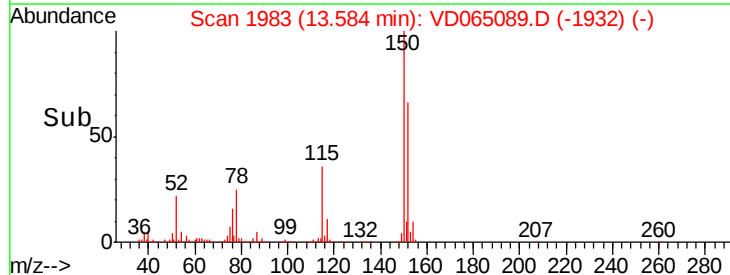
Tgt Ion:152 Resp: 386269
Ion Ratio Lower Upper
152 100
115 55.2 27.5 82.4
150 156.7 0.0 343.2

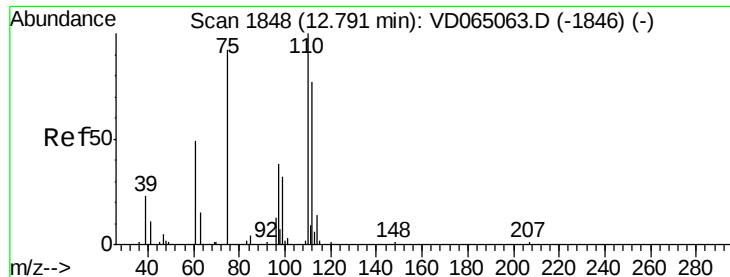


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 61.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065089.D

Acq: 06 Feb 2020 16:22

Instrument :

MSVOA_D

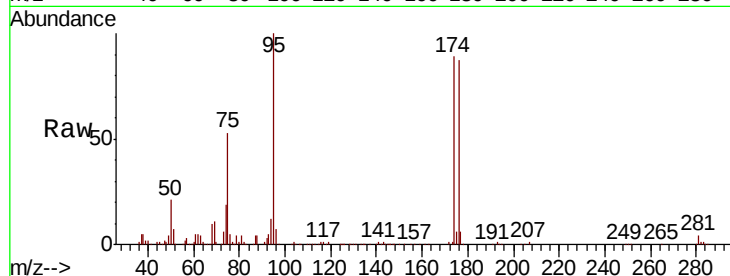
ClientSampleId :

Tot Ion: 75 Resp: 180492

Ion Ratio Lower Upper

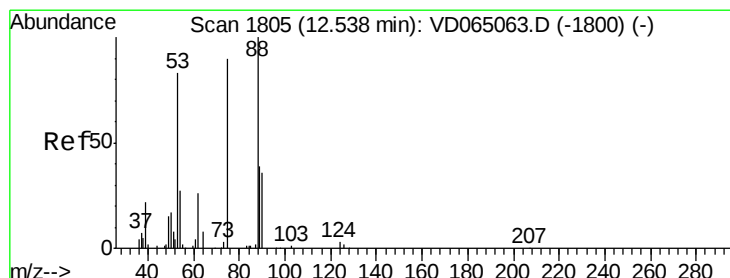
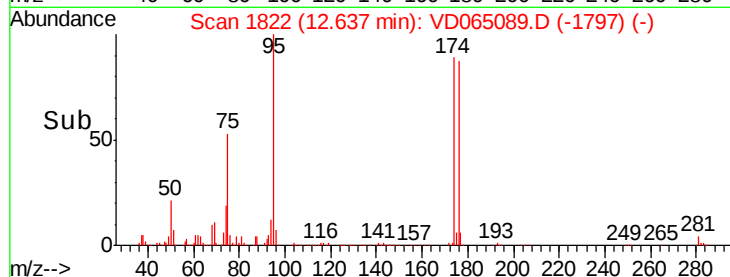
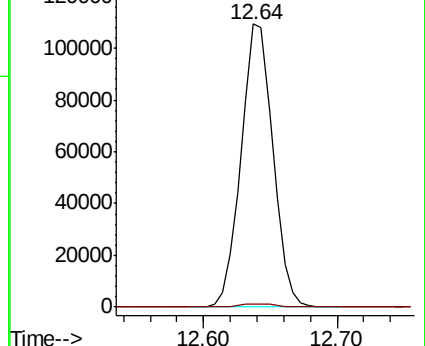
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 123.431 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065089.D

Acq: 06 Feb 2020 16:22

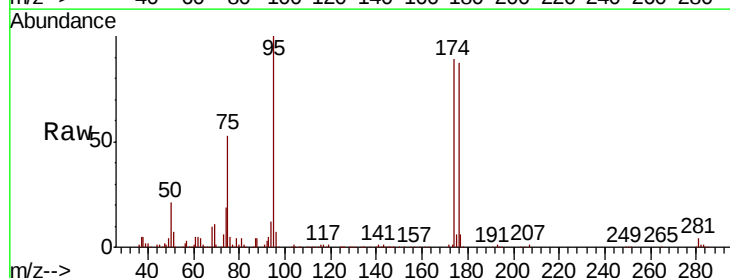
Tgt Ion: 75 Resp: 180492

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

