

Data File : VD065464.D
Acq On : 10 Mar 2020 15:59
Operator : VA/SY
Sample : L1873-03
Misc : 6.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Quant Time: Mar 11 01:56:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	539373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	950459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	891629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	406930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	285983	61.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.62%	
35) Dibromofluoromethane	7.92	113	308790	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.34	98	1164959	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.64	95	360508	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

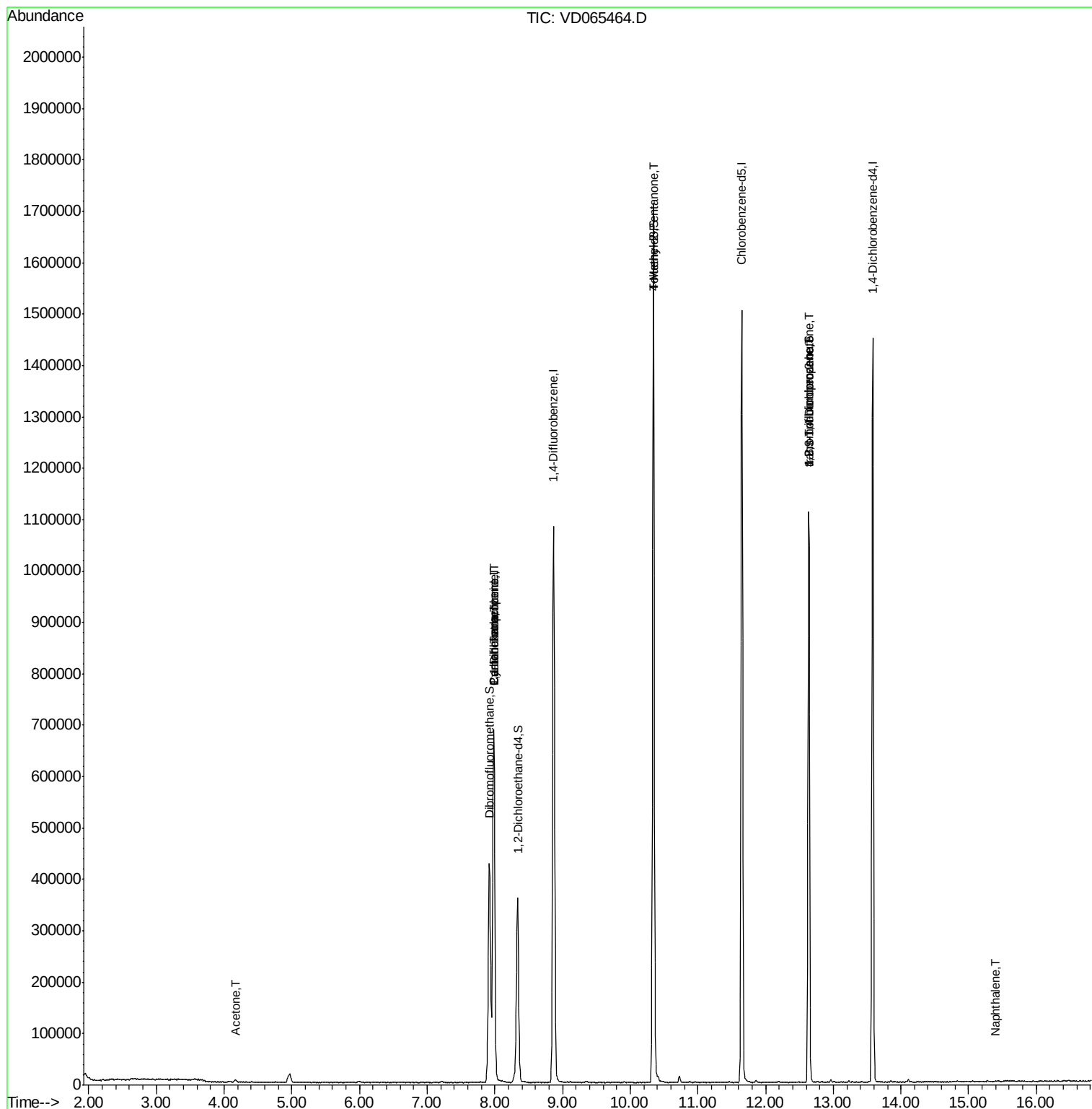
						Qvalue
5) Bromomethane	2.77	94	552	Below Cal	#	3
16) Acetone	4.17	43	8609	9.200	ug/l	96
20) Methylene Chloride	4.97	84	13793	Below Cal		90
31) Cyclohexane	7.98	56	10892	1.186	ug/l #	3
36) 1,1-Dichloropropene	7.99	75	37299	4.094	ug/l #	48
38) Carbon Tetrachloride	7.98	117	52473	5.554	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4598	1.405	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	171806	53.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171806	112.912	ug/l #	14
95) Naphthalene	15.40	128	1035	4.479	ug/l #	77

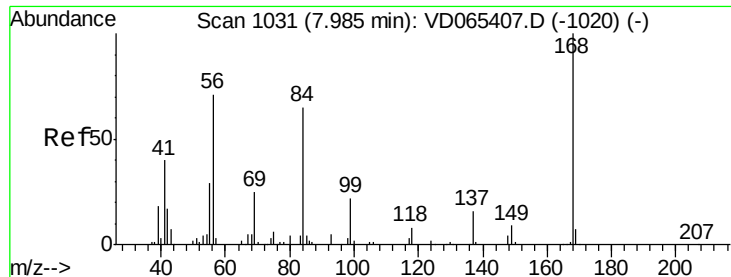
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

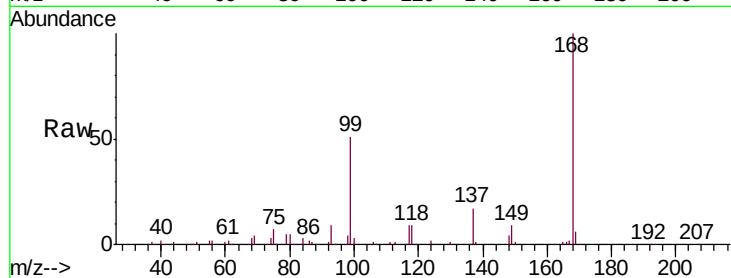
TP-2

Tgt Ion:168 Resp: 539373

Ion Ratio Lower Upper

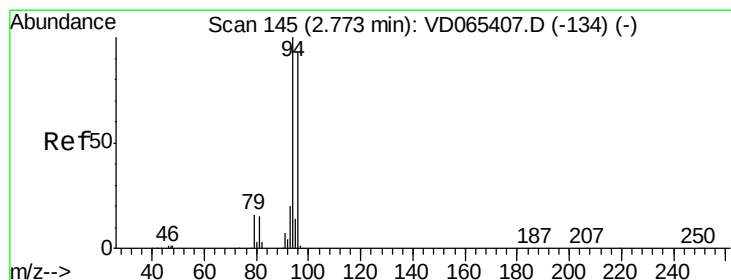
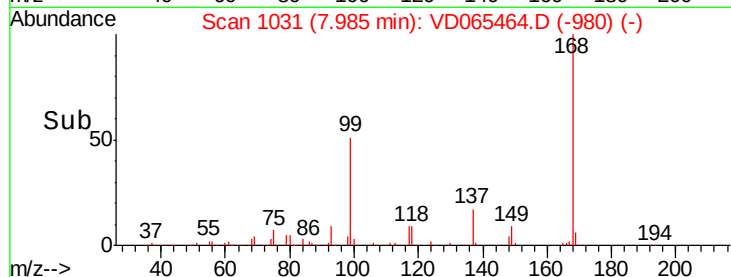
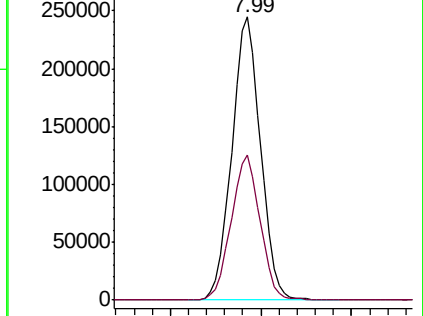
168 100

99 51.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065464.D

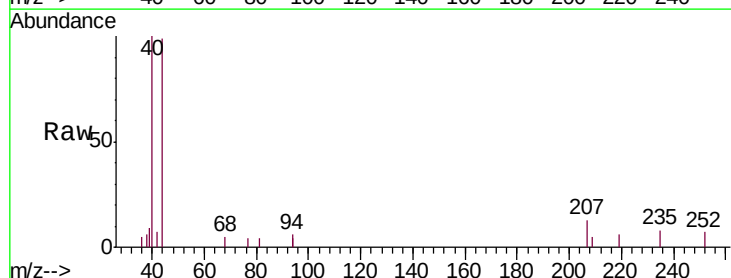
Acq: 10 Mar 2020 15:59

Tgt Ion: 94 Resp: 552

Ion Ratio Lower Upper

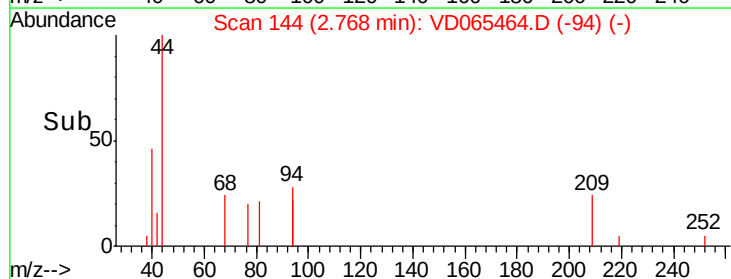
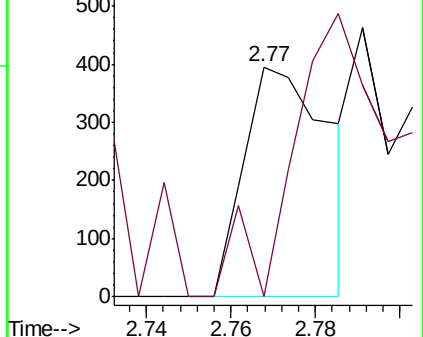
94 100

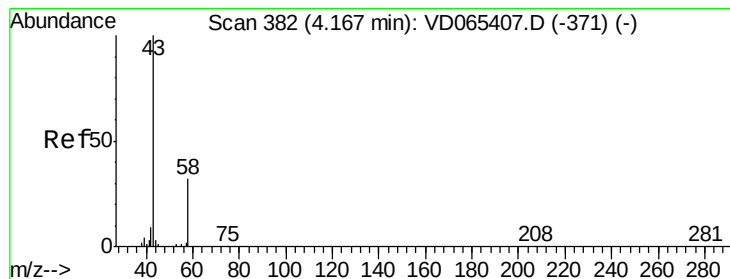
96 0.0 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 9.200 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

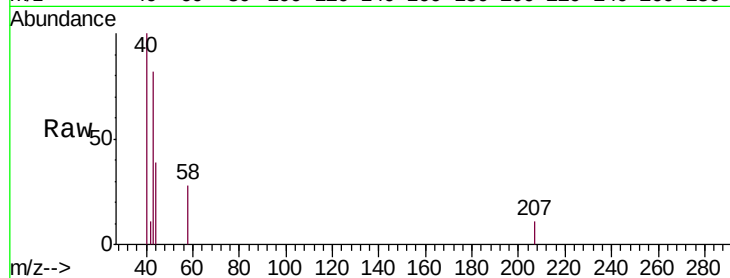
TP-2

Tgt Ion: 43 Resp: 8609

Ion Ratio Lower Upper

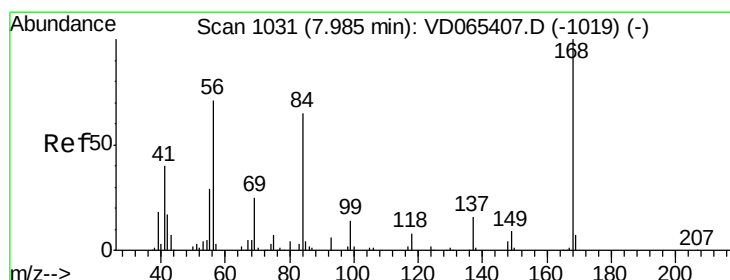
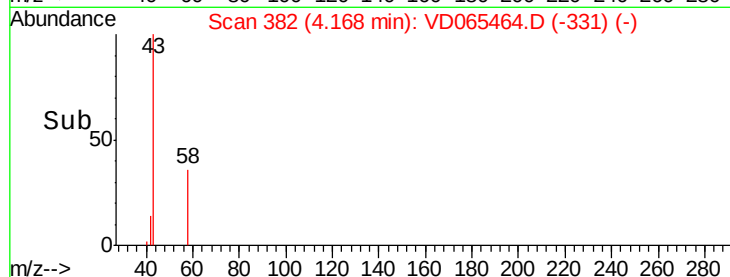
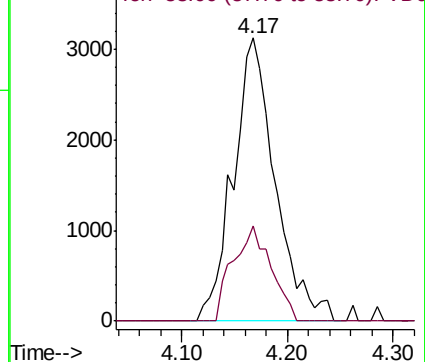
43 100

58 33.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

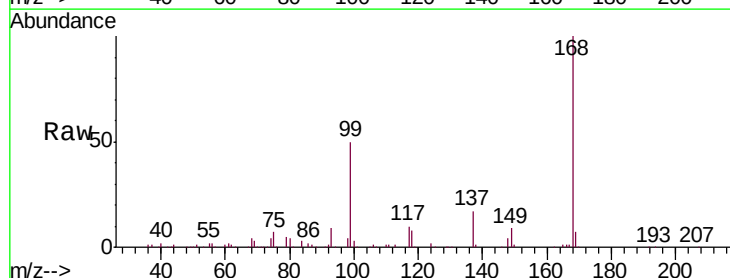
Tgt Ion: 56 Resp: 10892

Ion Ratio Lower Upper

56 100

69 153.4 28.3 42.5#

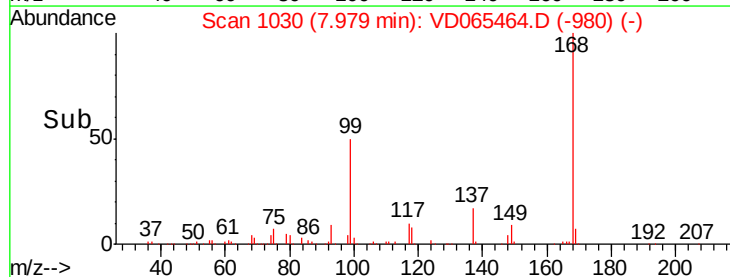
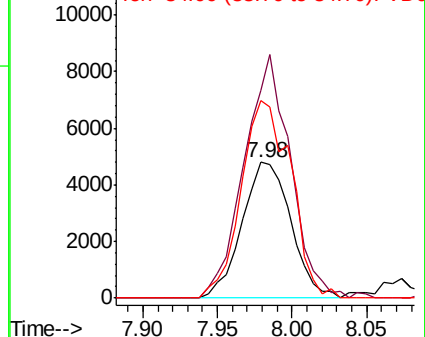
84 145.2 73.1 109.7#

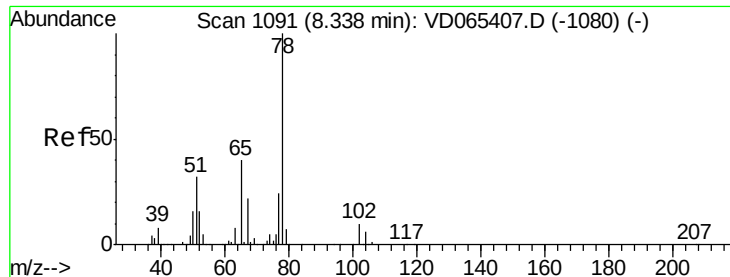


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

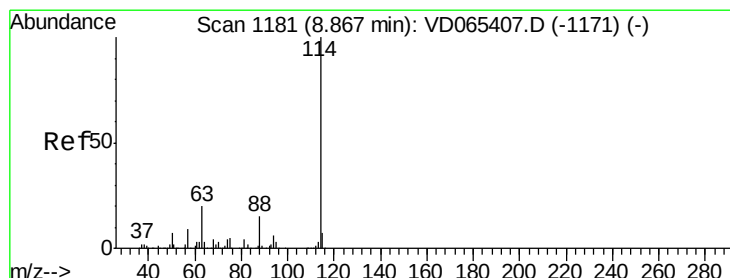
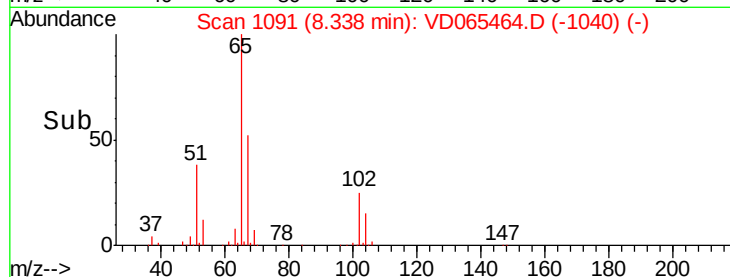
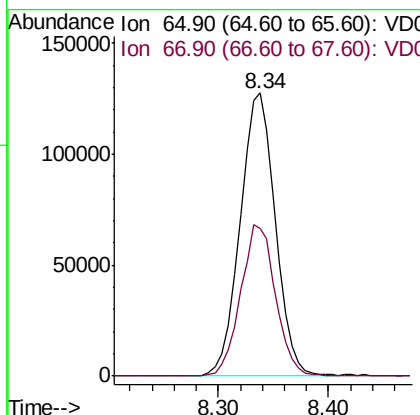
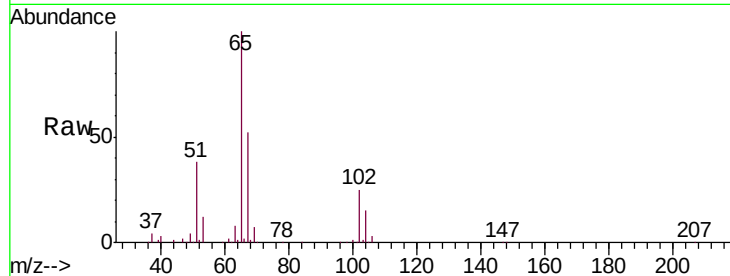




#33
 1,2-Dichloroethane-d4
 Concen: 61.811 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065464.D
 Acq: 10 Mar 2020 15:59

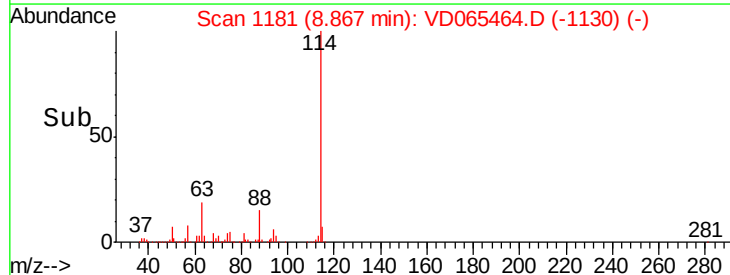
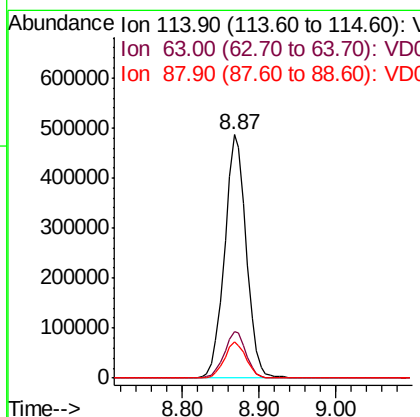
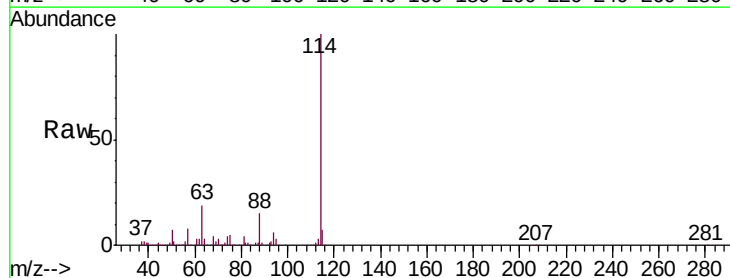
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

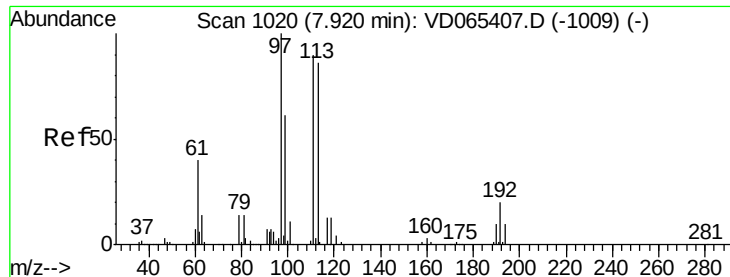
Tgt Ion: 65 Resp: 285983
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065464.D
 Acq: 10 Mar 2020 15:59

Tgt Ion: 114 Resp: 950459
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.536 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

TP-2

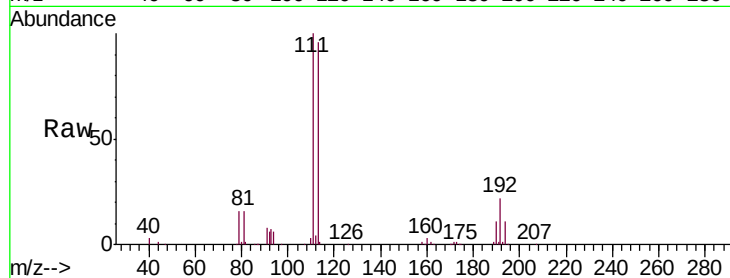
Tgt Ion:113 Resp: 308790

Ion Ratio Lower Upper

113 100

111 103.8 82.1 123.1

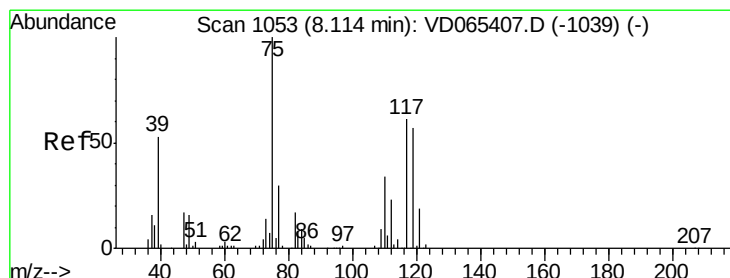
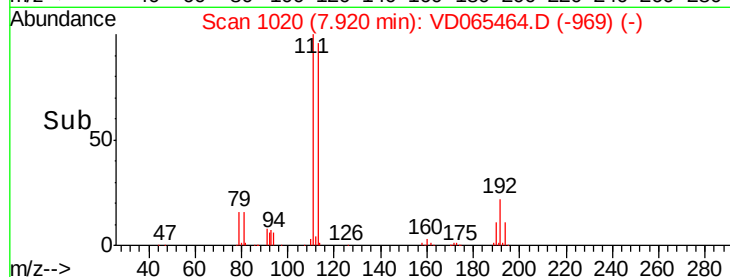
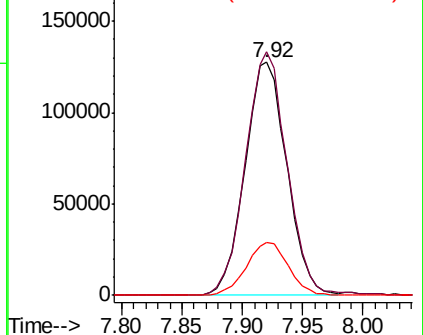
192 22.7 17.2 25.8



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: 4.094 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

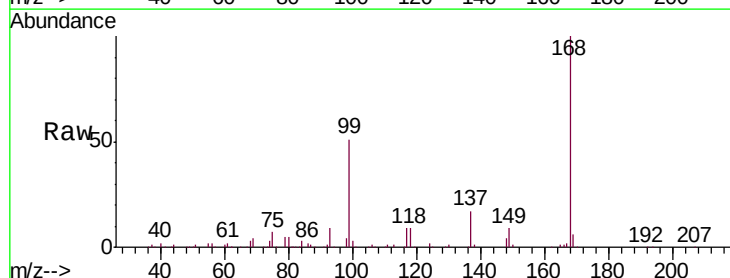
Tgt Ion: 75 Resp: 37299

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.1#

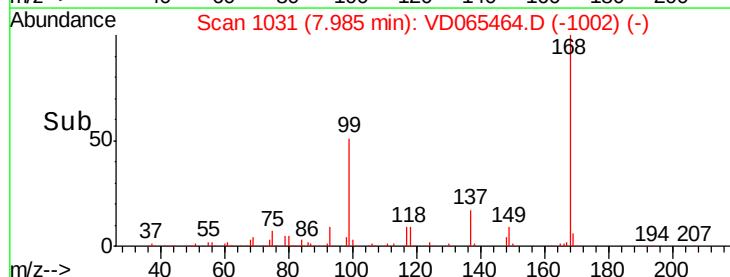
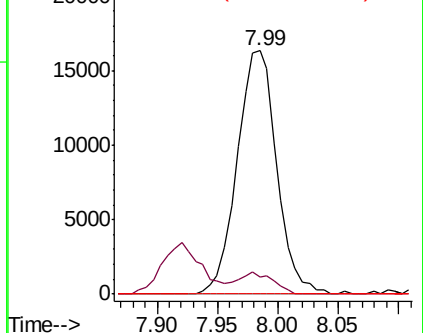
77 0.0 25.2 37.8#

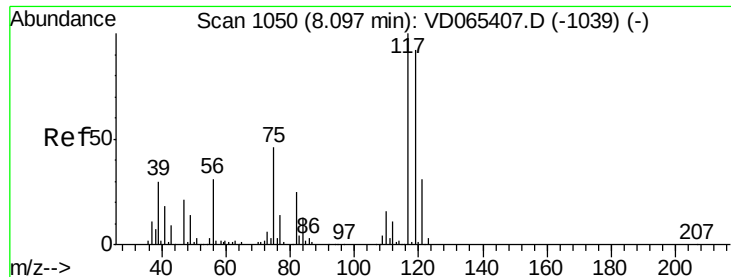


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.554 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

TP-2

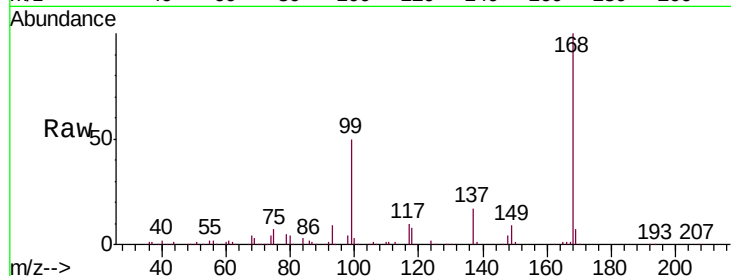
Tgt Ion:117 Resp: 52473

Ion Ratio Lower Upper

117 100

119 4.6 73.3 109.9#

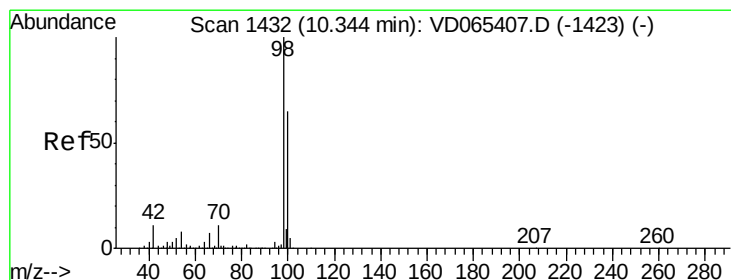
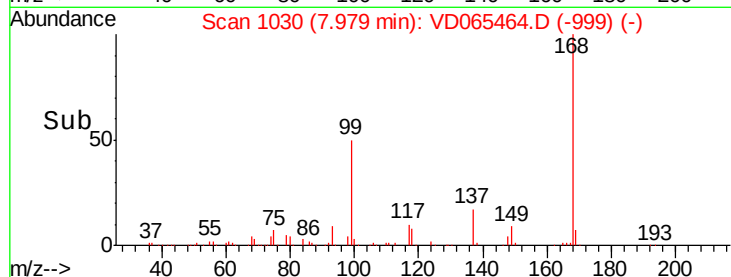
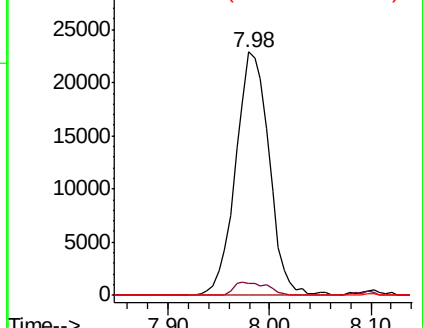
121 0.0 25.0 37.4#



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: 51.663 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065464.D

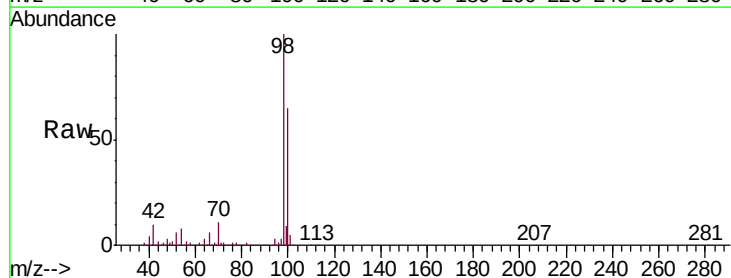
Acq: 10 Mar 2020 15:59

Tgt Ion: 98 Resp: 1164959

Ion Ratio Lower Upper

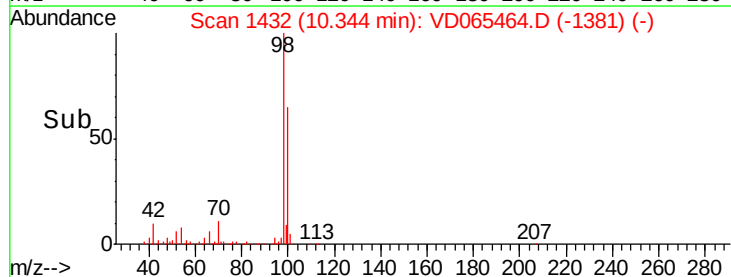
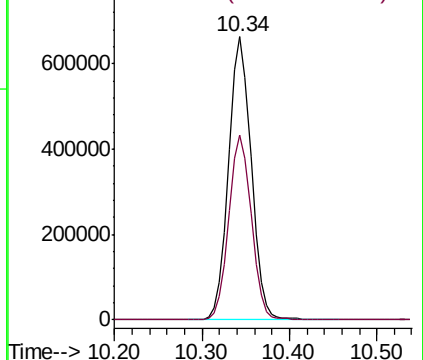
98 100

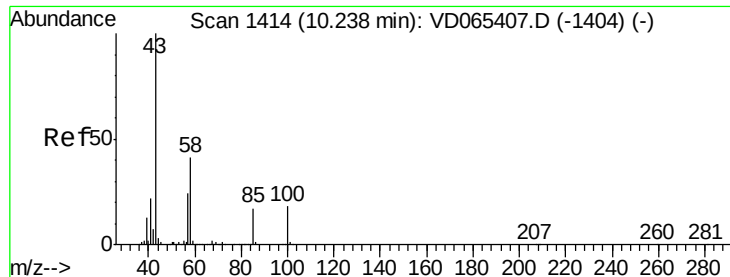
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.405 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

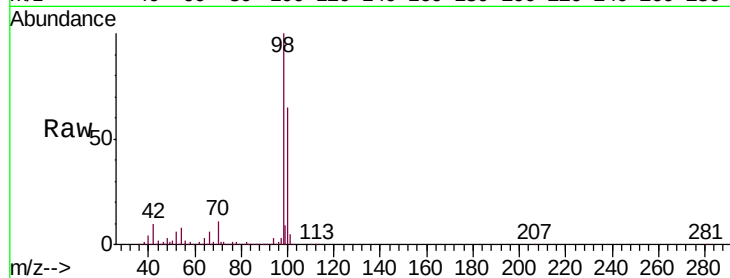
TP-2

Tgt Ion: 43 Resp: 4598

Ion Ratio Lower Upper

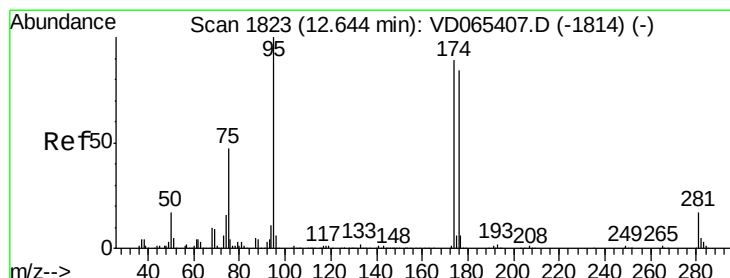
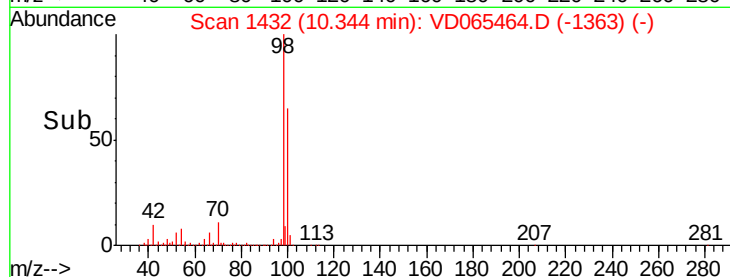
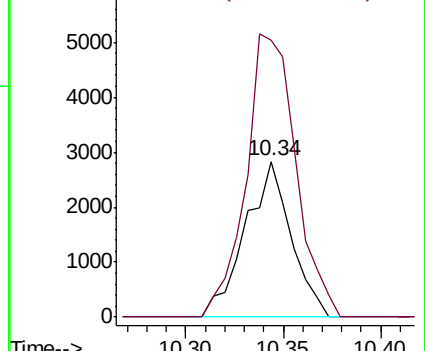
43 100

58 198.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.789 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

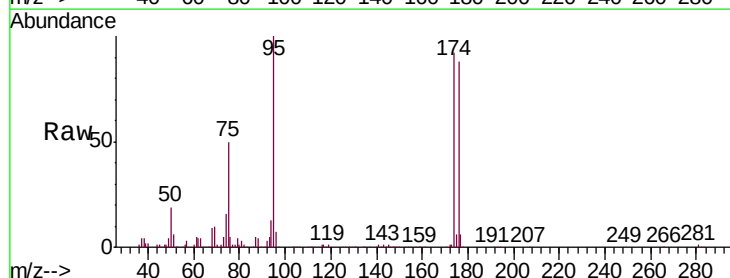
Tgt Ion: 95 Resp: 360508

Ion Ratio Lower Upper

95 100

174 91.7 0.0 176.8

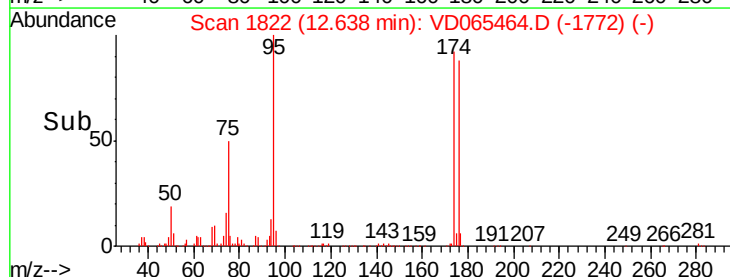
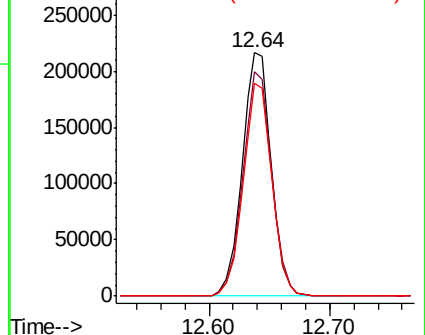
176 86.6 0.0 171.4

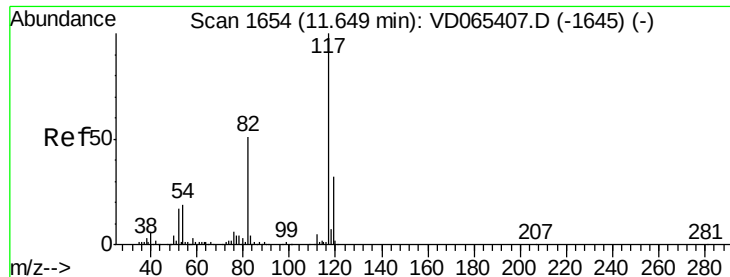


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

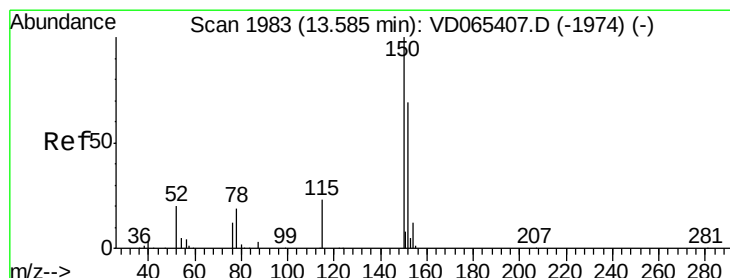
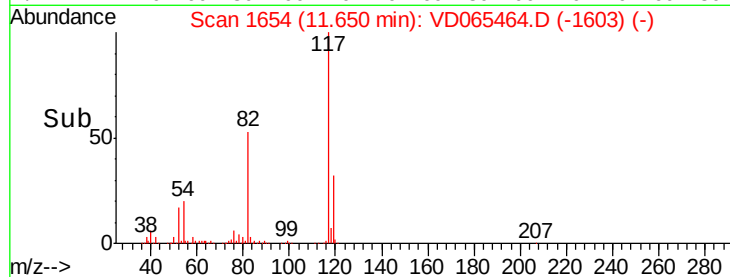
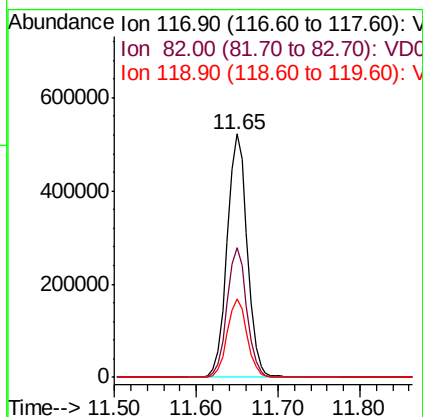
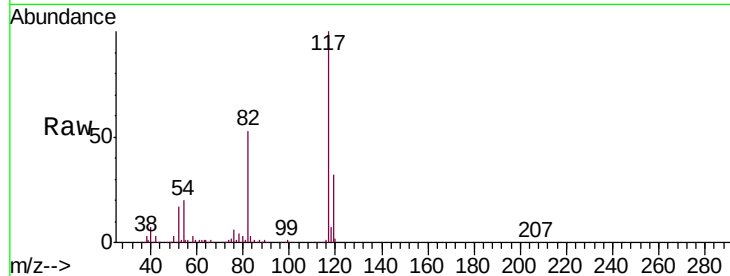




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065464.D
Acq: 10 Mar 2020 15:59

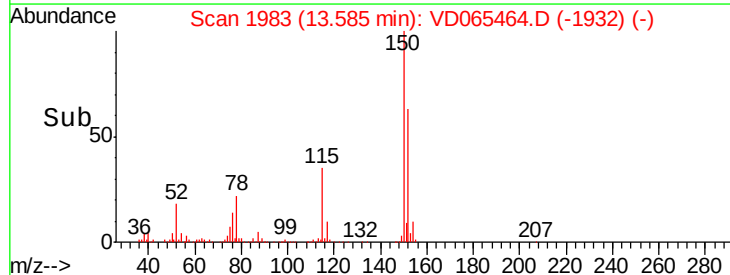
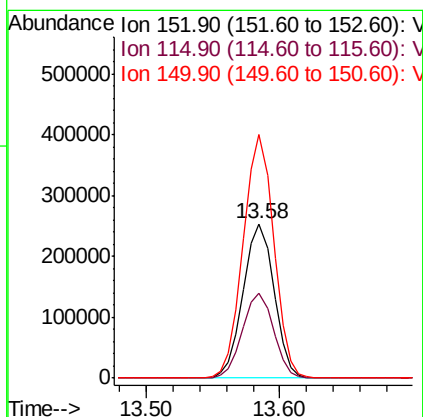
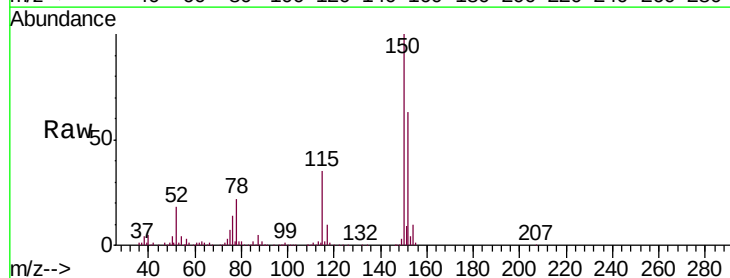
Instrument :
MSVOA_D
ClientSampleId :
TP-2

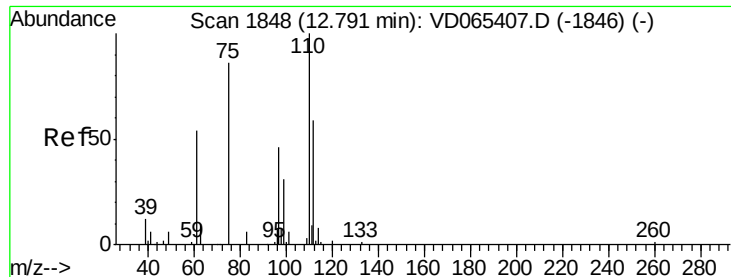
Tgt Ion:117 Resp: 891629
Ion Ratio Lower Upper
117 100
82 53.2 40.6 60.8
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065464.D
Acq: 10 Mar 2020 15:59

Tgt Ion:152 Resp: 406930
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 53.505 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

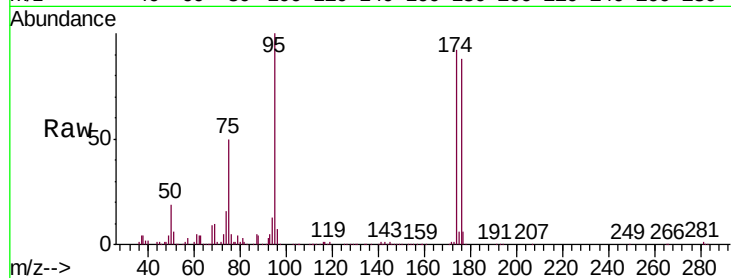
TP-2

Tgt Ion: 75 Resp: 171806

Ion Ratio Lower Upper

75 100

77 1.2 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

120000

100000

80000

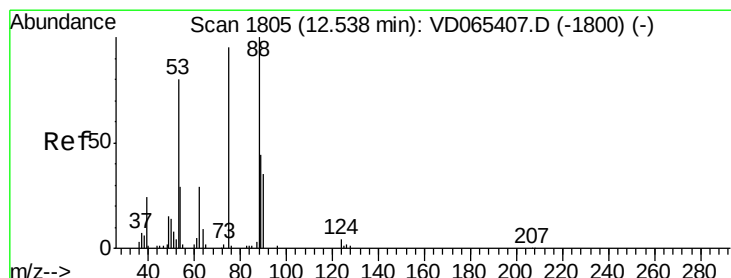
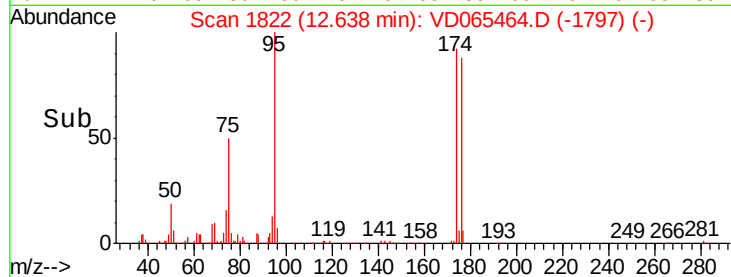
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.912 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065464.D

Acq: 10 Mar 2020 15:59

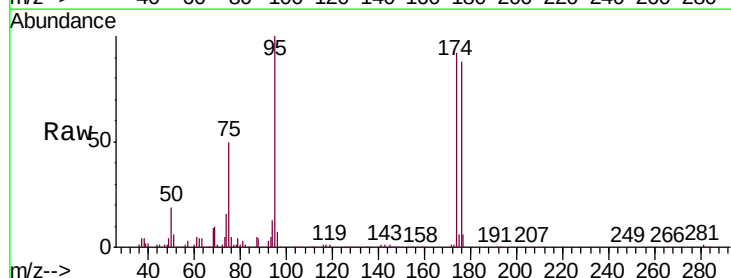
Tgt Ion: 75 Resp: 171806

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.6#



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

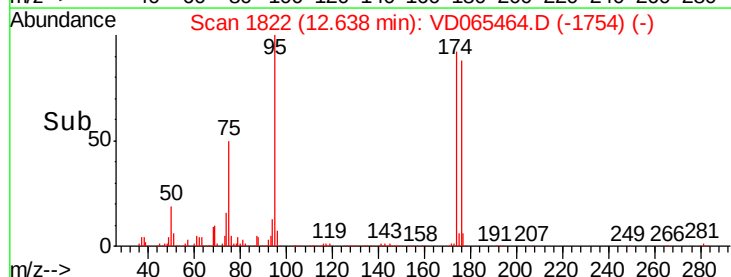
150000

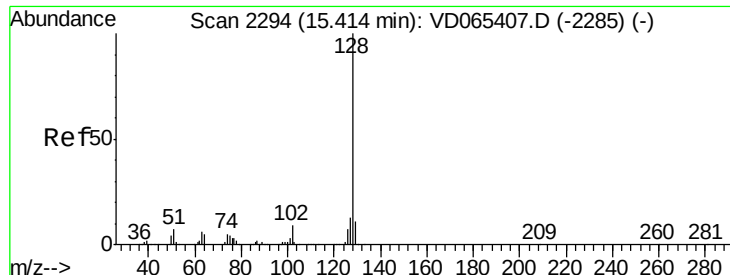
100000

50000

0

Time-->





#95

Naphthalene

Concen: 4.479 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065464.D

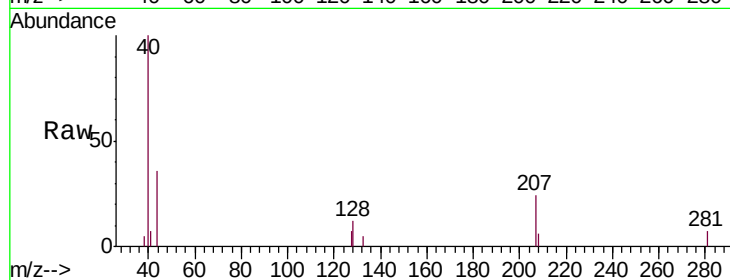
Acq: 10 Mar 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

TP-2



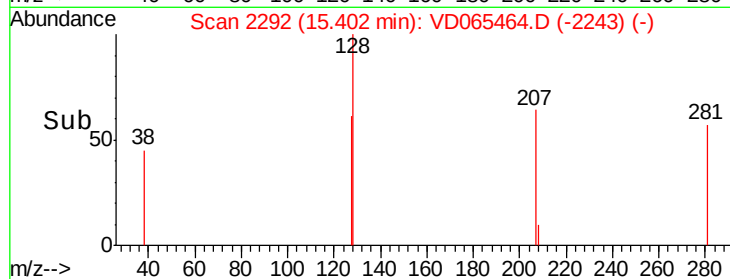
Tgt Ion:128 Resp: 1035

Ion Ratio Lower Upper

128 100

127 6.1 10.6 16.0#

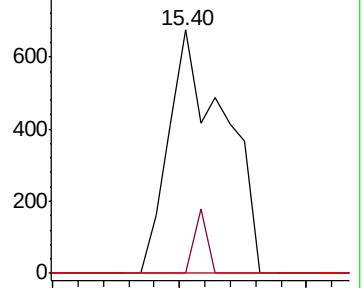
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.35 15.40 15.45