

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065365.D
 Acq On : 28 Feb 2020 18:13
 Operator : VA/SY
 Sample : L1741-01
 Misc : 7.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Feb 28 21:57:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	556412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	947316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	852789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	382759	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	287682	57.47	ug/l	0.00
Spiked Amount						
			Recovery	=	114.94%	
35) Dibromofluoromethane	7.92	113	302482	52.37	ug/l	0.00
Spiked Amount						
			Recovery	=	104.74%	
50) Toluene-d8	10.34	98	1138119	51.54	ug/l	0.00
Spiked Amount						
			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	337084	48.19	ug/l	0.00
Spiked Amount						
			Recovery	=	96.38%	

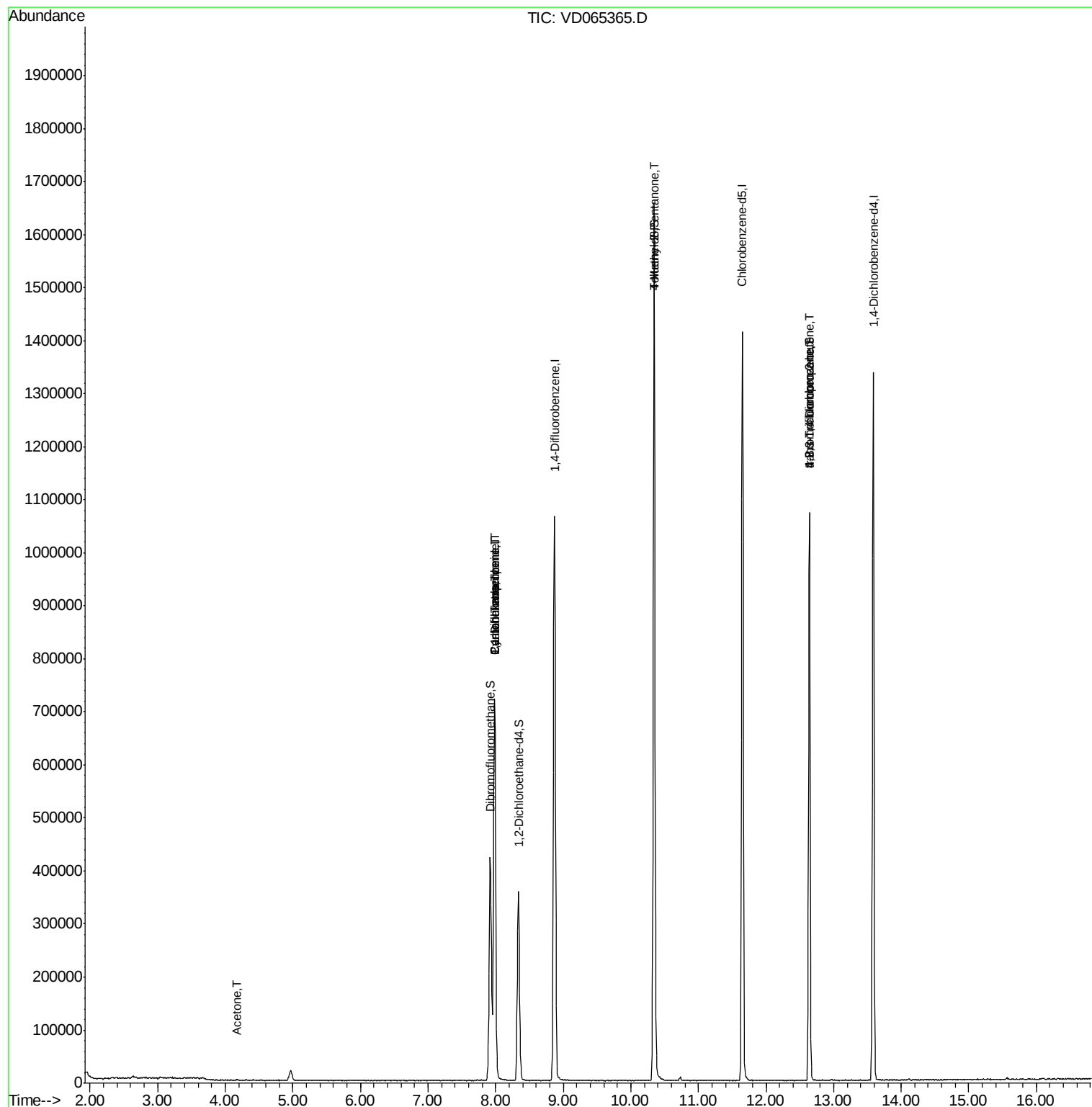
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	162	Below Cal	#	73
16) Acetone	4.17	43	1415	1.156	ug/l #	42
20) Methylene Chloride	4.97	84	14472	Below Cal	#	84
31) Cyclohexane	7.99	56	10898	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	41133	4.463	ug/l #	49
38) Carbon Tetrachloride	7.99	117	51337	5.471	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4704	1.322	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	166806	51.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	166806	110.594	ug/l #	11

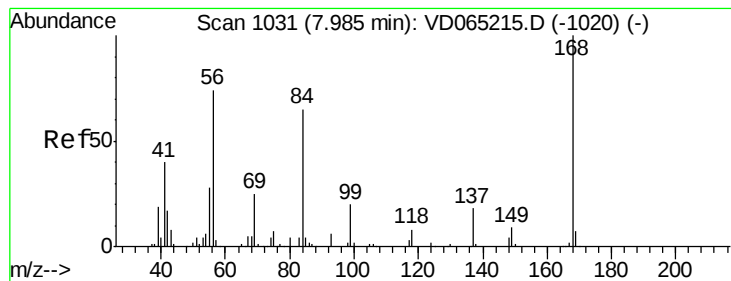
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampled :

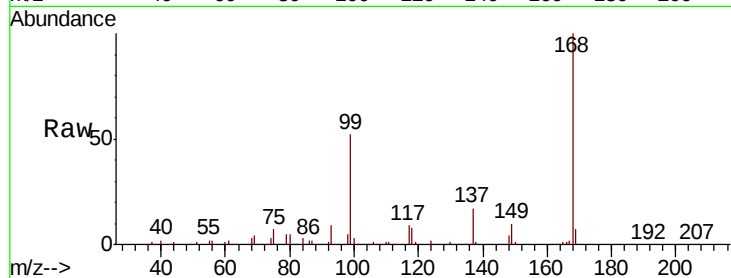
TP-1

Tot Ion:168 Resp: 556412

Ion Ratio Lower Upper

168 100

99 52.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

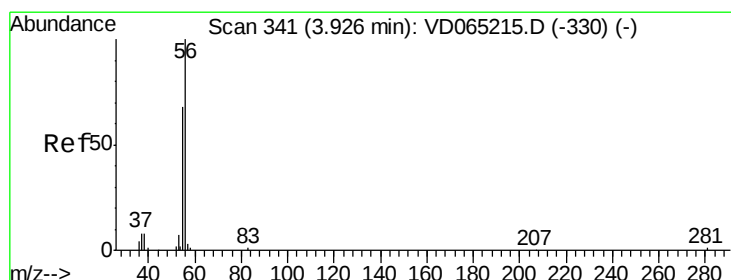
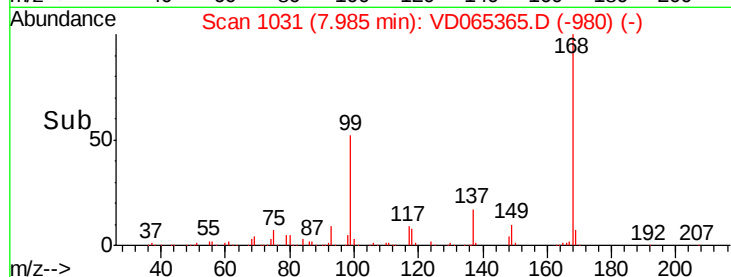
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.64 min Scan# 293

Delta R.T. -0.28 min

Lab File: VD065365.D

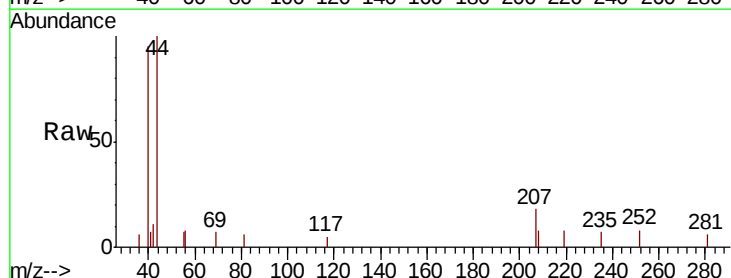
Acq: 28 Feb 2020 18:13

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 93.2 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.64

250

200

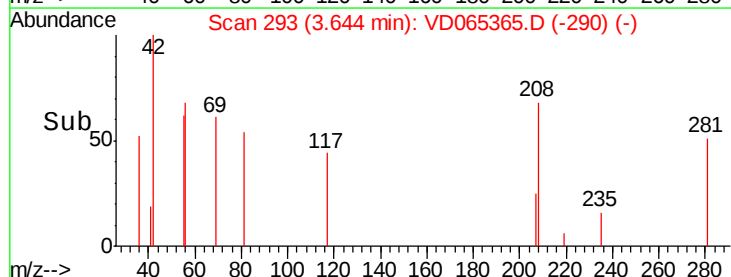
150

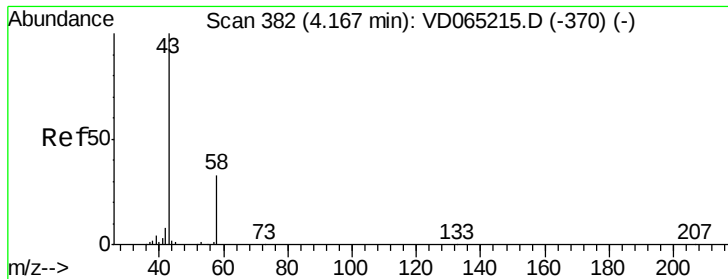
100

50

0

Time-->





#16

Acetone

Concen: 1.156 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

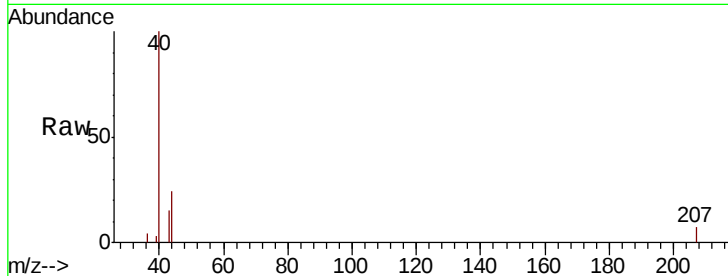
TP-1

Tot Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800

600

400

200

0

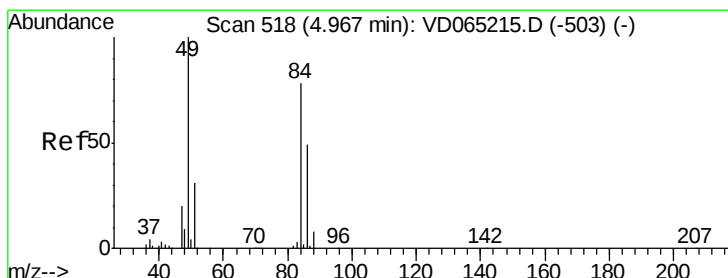
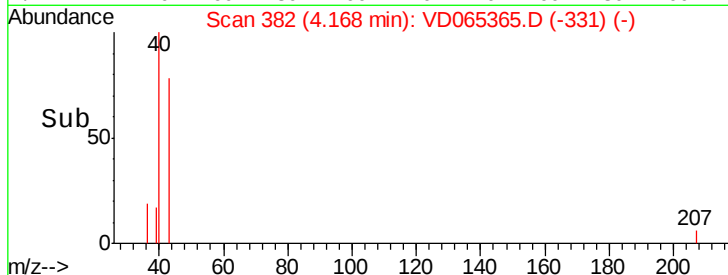
4.10

4.15

4.20

4.17

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Tgt Ion: 84 Resp: 14472

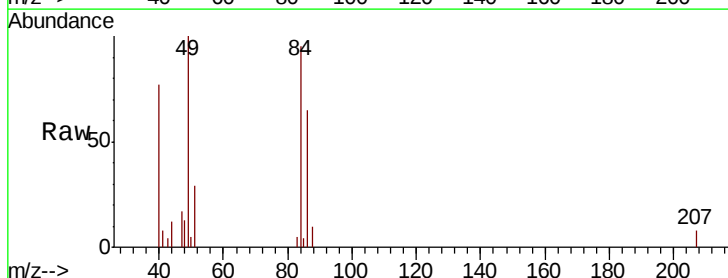
Ion Ratio Lower Upper

84 100

49 105.7 103.1 154.7

51 30.5 31.7 47.5#

86 69.0 50.9 76.3



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

8000

6000

4000

2000

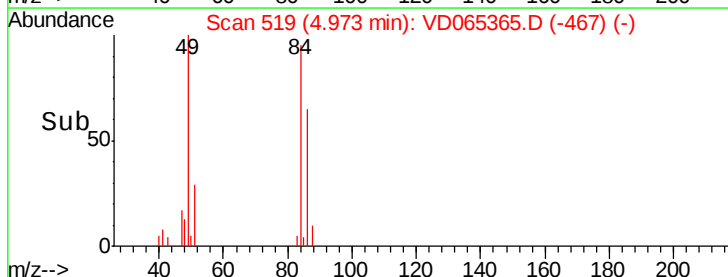
0

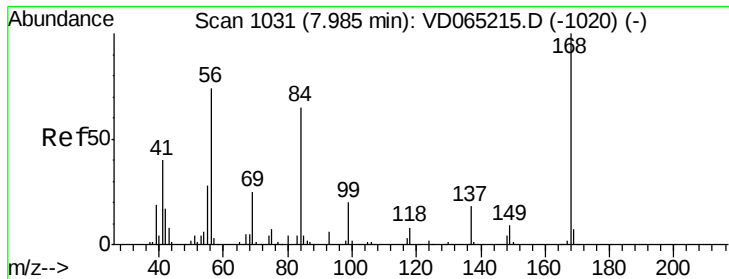
4.90

5.00

4.97

Time-->





#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1

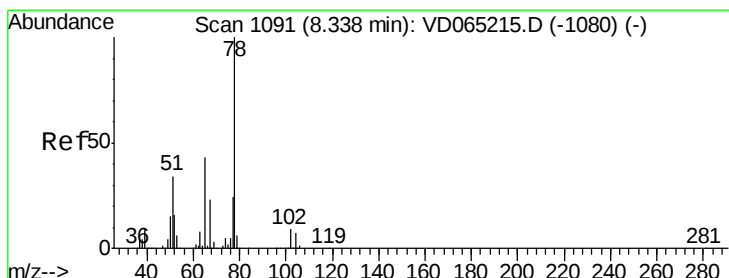
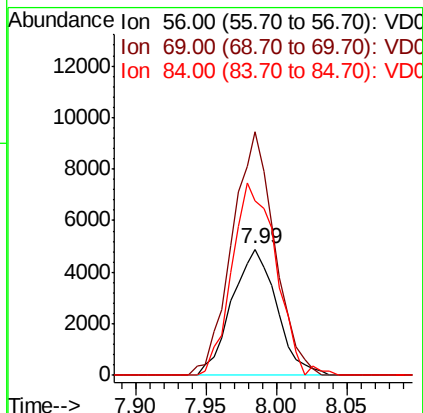
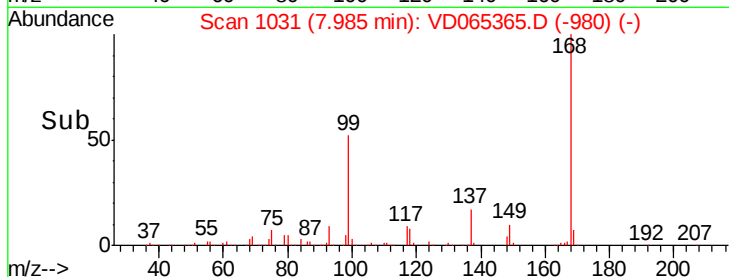
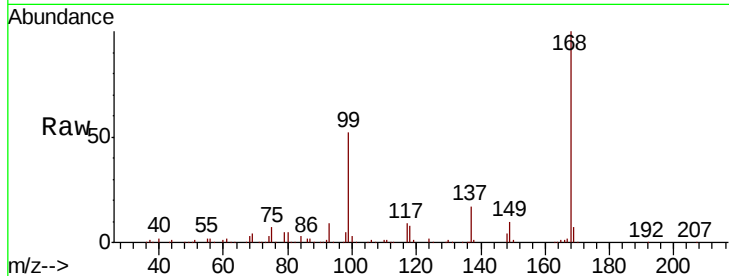
Tot Ion: 56 Resp: 10898

Ion Ratio Lower Upper

56 100

69 193.2 27.4 41.0#

84 138.4 71.1 106.7#



#33

1,2-Dichloroethane-d4

Concen: 57.473 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065365.D

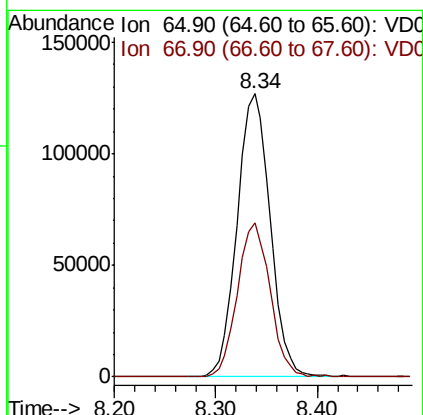
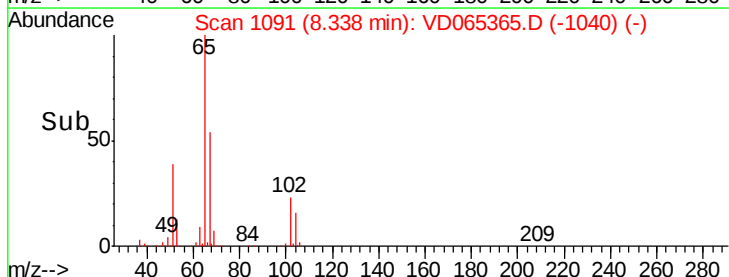
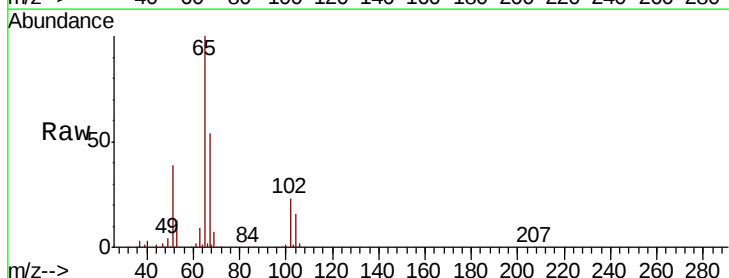
Acq: 28 Feb 2020 18:13

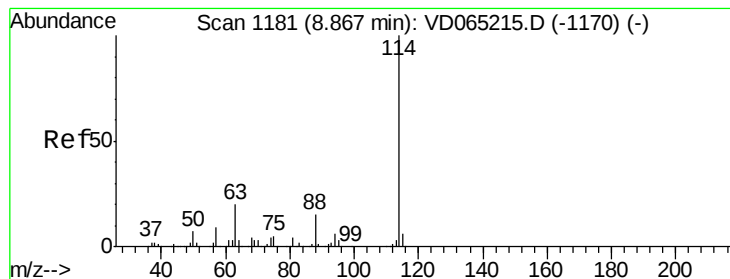
Tgt Ion: 65 Resp: 287682

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1

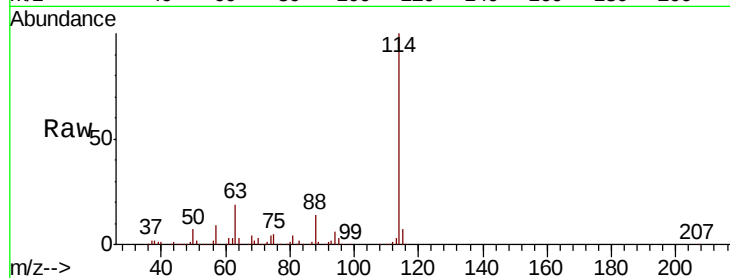
Tot Ion:114 Resp: 947316

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

88 14.4 0.0 30.4



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

600000

500000

400000

300000

200000

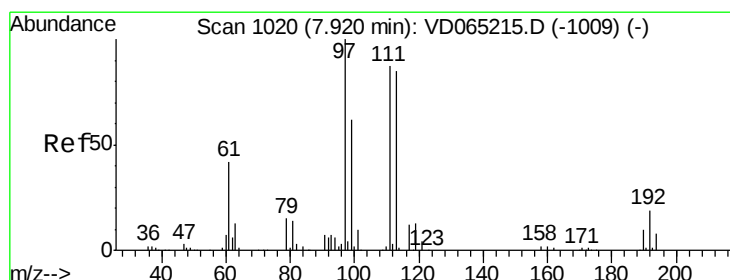
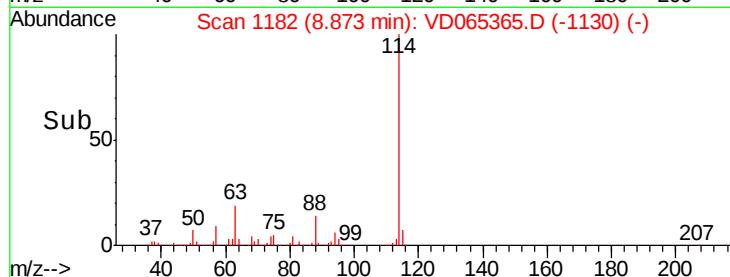
100000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 52.367 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

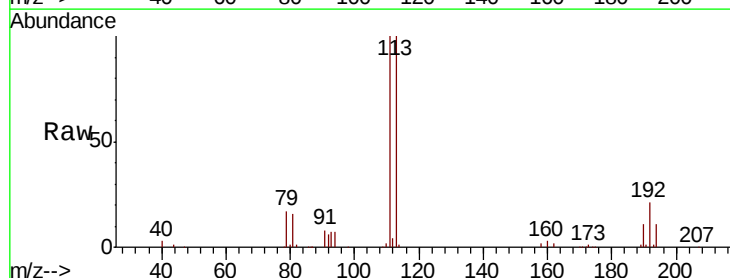
Tgt Ion:113 Resp: 302482

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

192 21.5 17.3 25.9



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

150000

100000

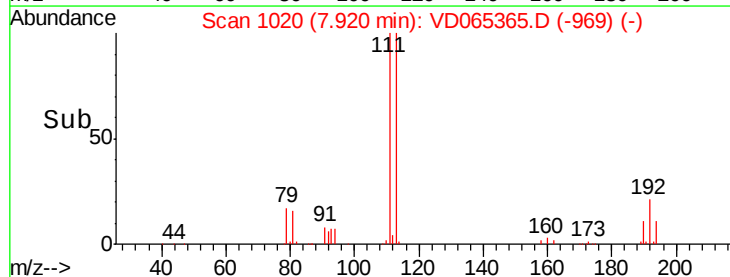
50000

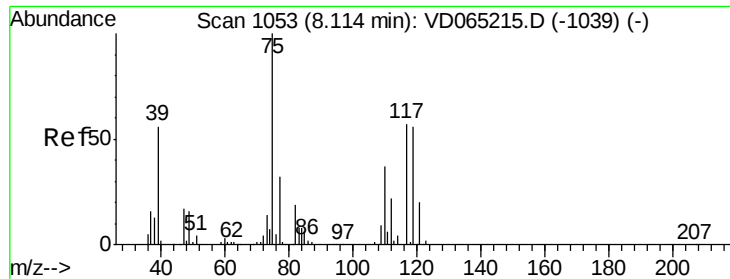
0

7.92

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.463 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1

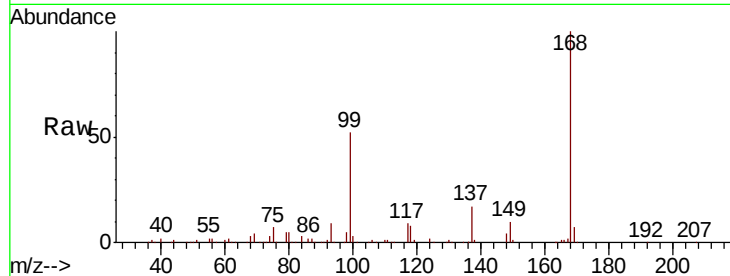
Tot Ion: 75 Resp: 41133

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.7#

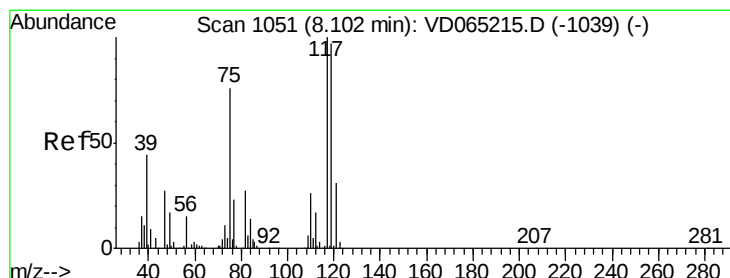
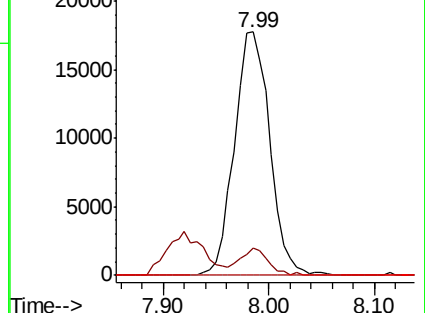
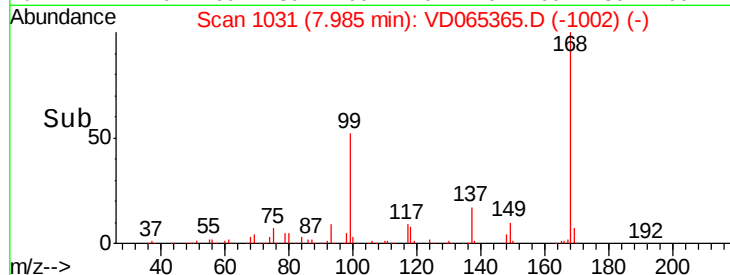
77 0.0 25.1 37.7#



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: 5.471 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

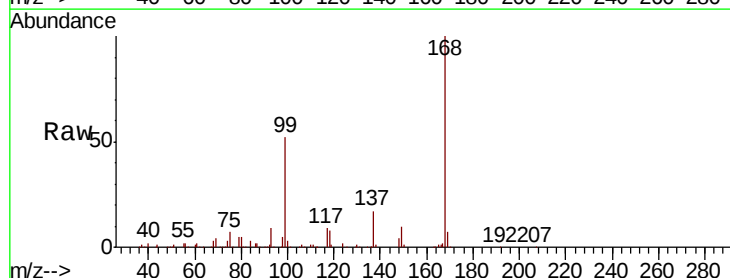
Tgt Ion: 117 Resp: 51337

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

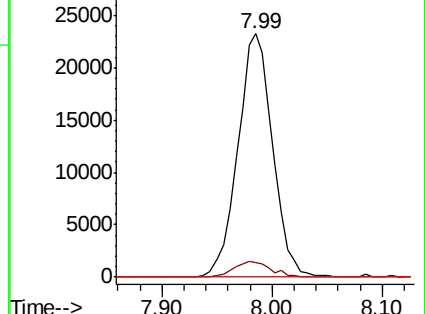
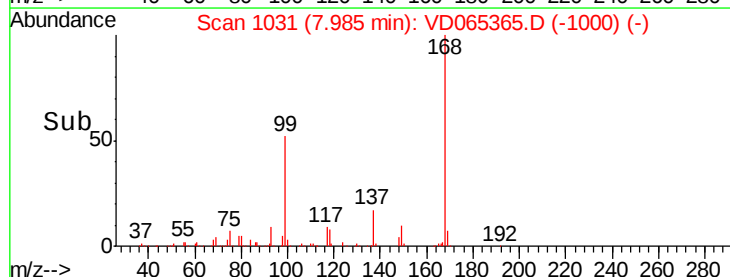
121 0.0 24.8 37.2#



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: 51.541 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

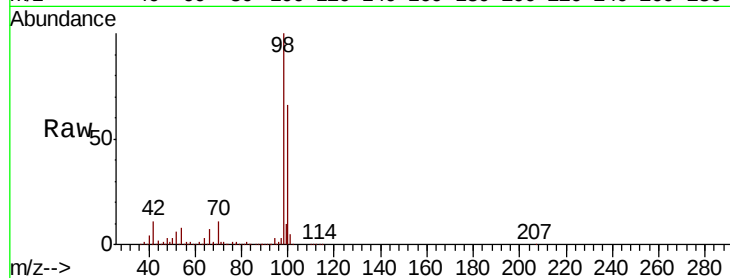
TP-1

Tot Ion: 98 Resp: 1138119

Ion Ratio Lower Upper

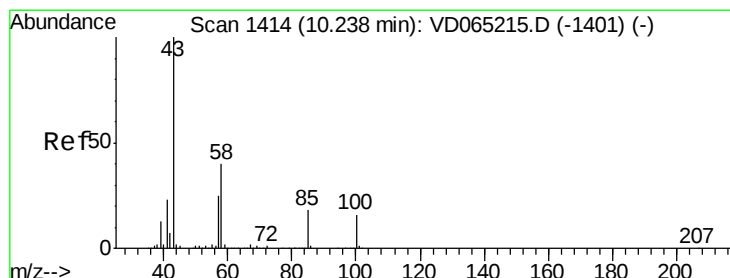
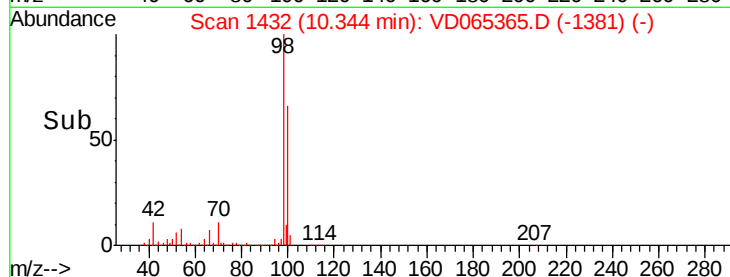
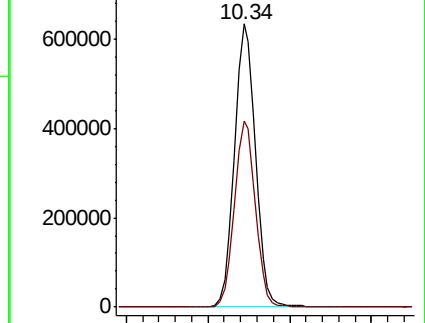
98 100

100 65.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.322 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065365.D

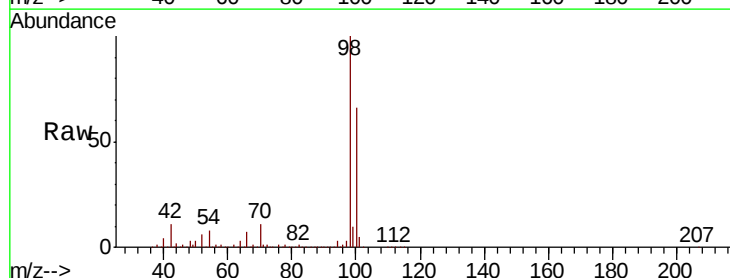
Acq: 28 Feb 2020 18:13

Tgt Ion: 43 Resp: 4704

Ion Ratio Lower Upper

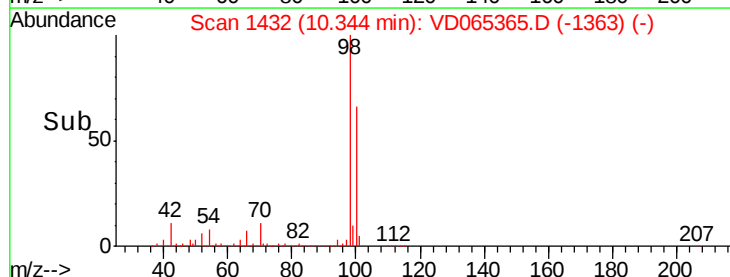
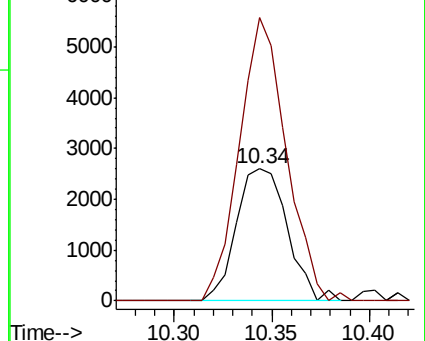
43 100

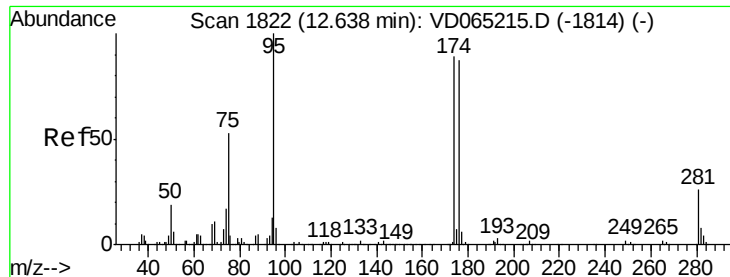
58 197.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

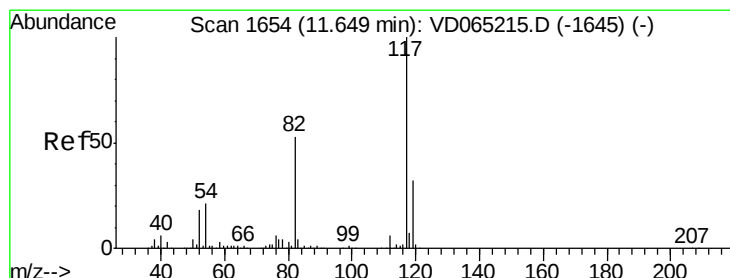
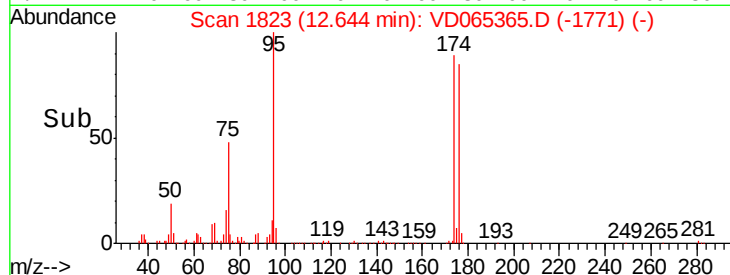
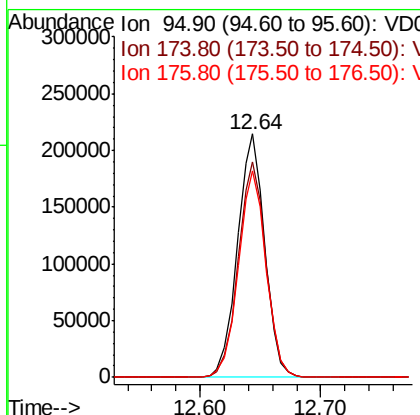
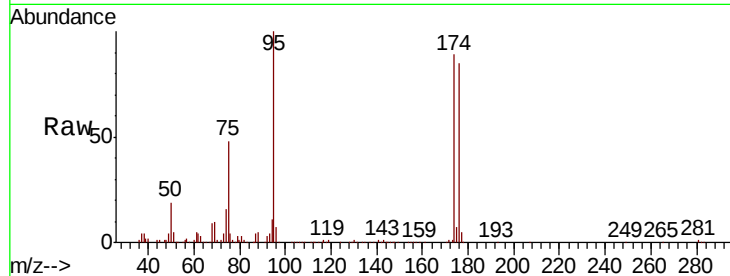




#62
4-Bromofluorobenzene
Concen: 48.187 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065365.D
Acq: 28 Feb 2020 18:13

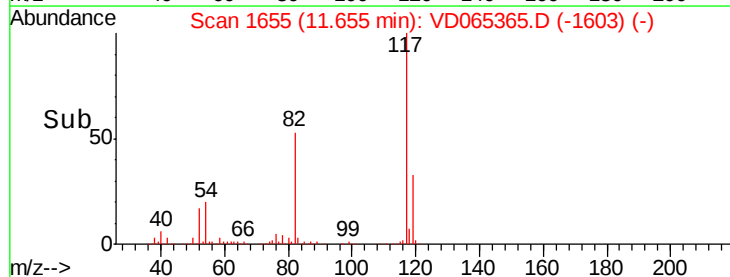
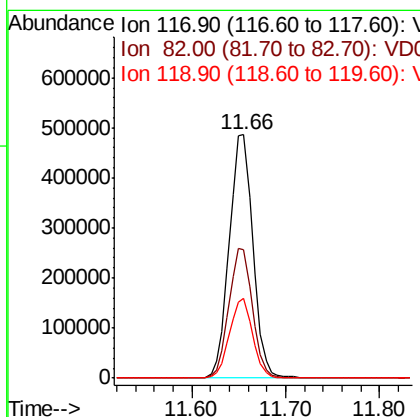
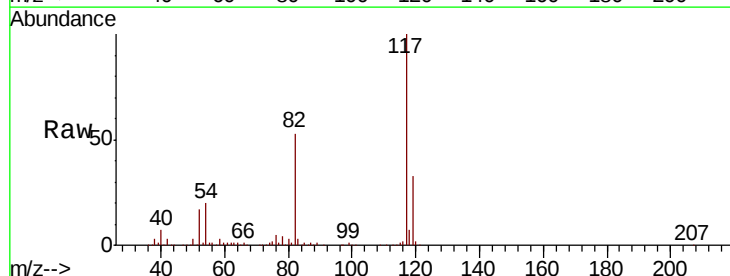
Instrument :
MSVOA_D
ClientSampleId :
TP-1

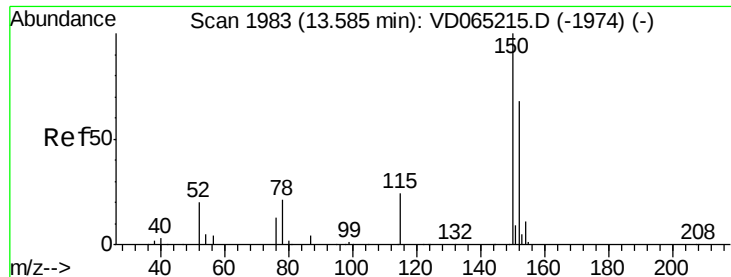
Tot Ion: 95 Resp: 337084
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 86.0 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065365.D
Acq: 28 Feb 2020 18:13

Tgt Ion: 117 Resp: 852789
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.59 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampled :

TP-1

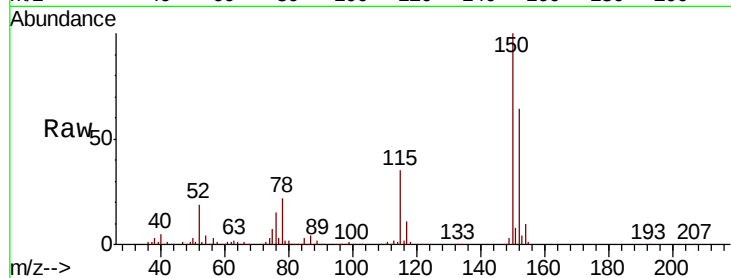
Tot Ion:152 Resp: 382759

Ion Ratio Lower Upper

152 100

115 55.5 27.6 82.8

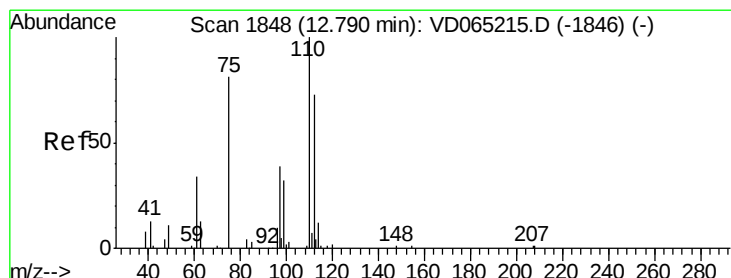
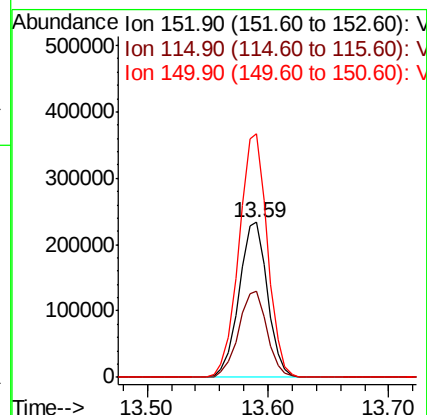
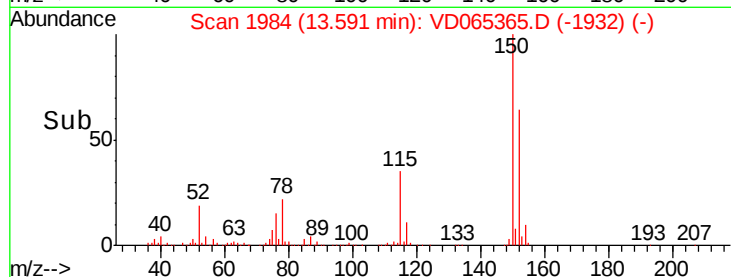
150 157.3 0.0 347.4



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: 51.221 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065365.D

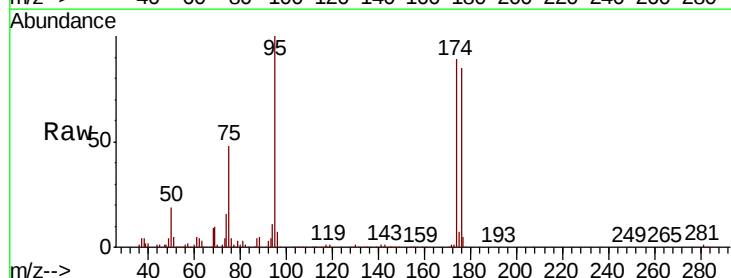
Acq: 28 Feb 2020 18:13

Tgt Ion: 75 Resp: 166806

Ion Ratio Lower Upper

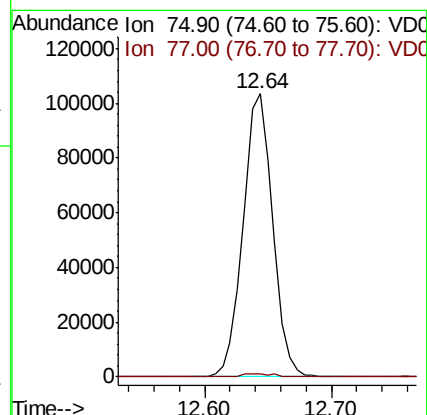
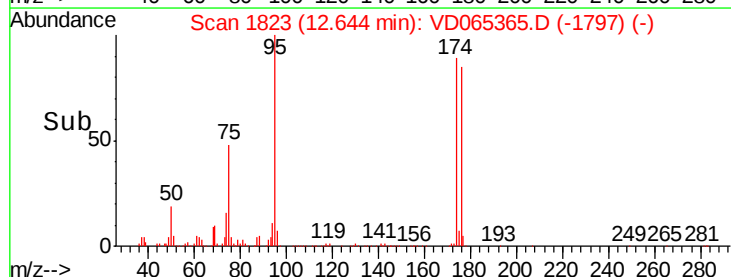
75 100

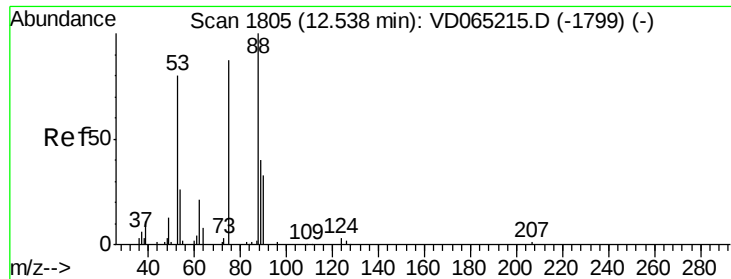
77 1.4 0.0 0.0#



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: 110.594 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065365.D

Acq: 28 Feb 2020 18:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1

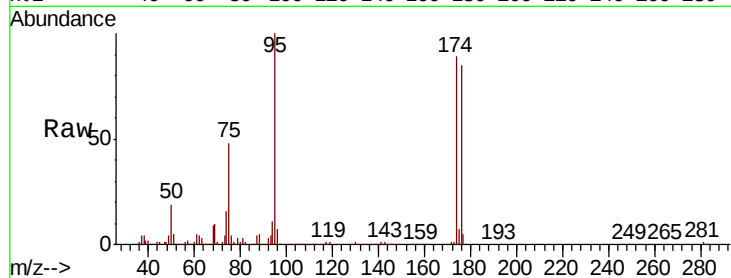
Tot Ion: 75 Resp: 166806

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.1 37.2 55.8#



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

