

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065342.D
 Acq On : 27 Feb 2020 12:19
 Operator : VA/SY
 Sample : L1700-02
 Misc : 7.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:35:21 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

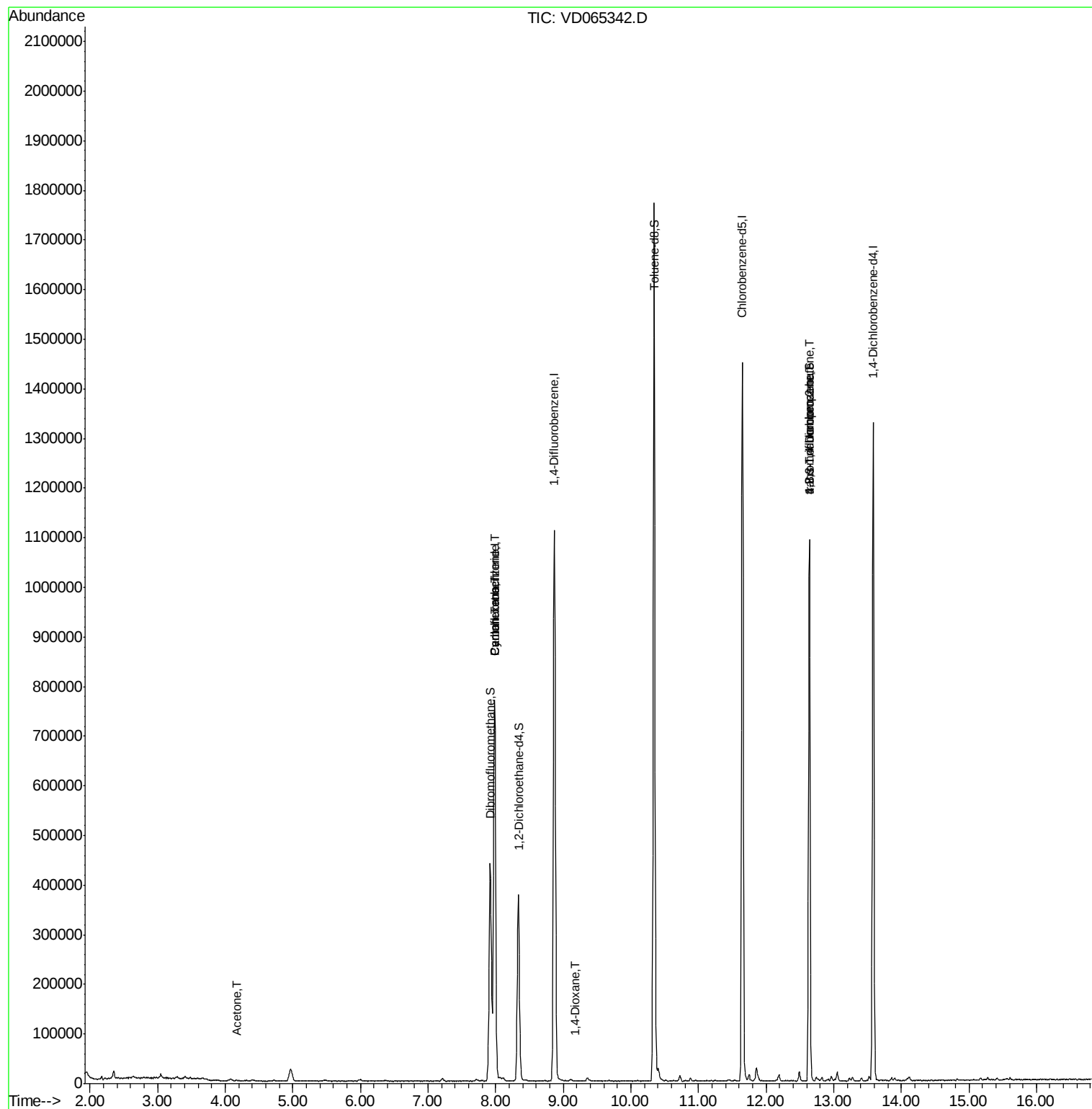
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	606166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	991516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	878806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377163	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	300844	55.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.34%	
35) Dibromofluoromethane	7.92	113	315442	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	
50) Toluene-d8	10.34	98	1184100	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.64	95	349587	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
Target Compounds						
					Qvalue	
13) Acrolein	3.94	56	58	Below Cal	#	14
16) Acetone	4.17	43	1783	1.338	ug/l #	77
20) Methylene Chloride	4.96	84	18733	Below Cal		90
31) Cyclohexane	7.98	56	13512	1.260	ug/l #	1
38) Carbon Tetrachloride	7.98	117	57139	5.818	ug/l #	16
49) 1,4-Dioxane	9.18	88	114	2.790	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	171333	53.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171333	115.281	ug/l #	11

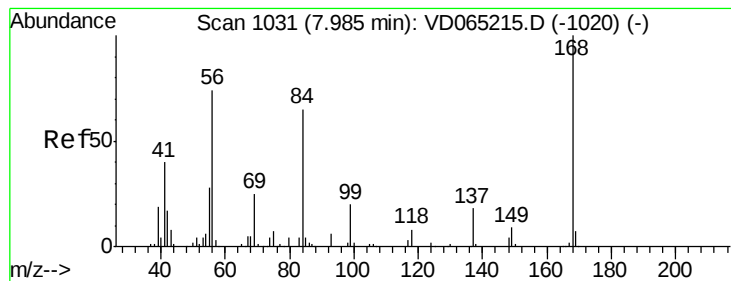
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

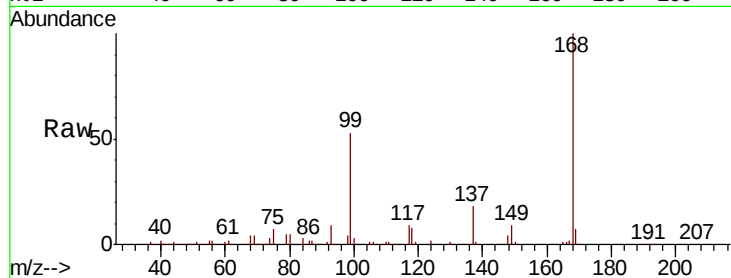
ClientSampleId :

Tot Ion:168 Resp: 606166

Ion Ratio Lower Upper

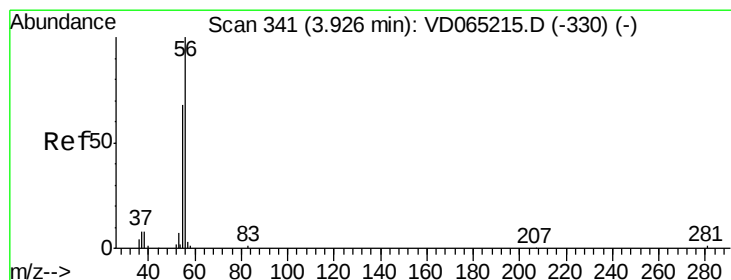
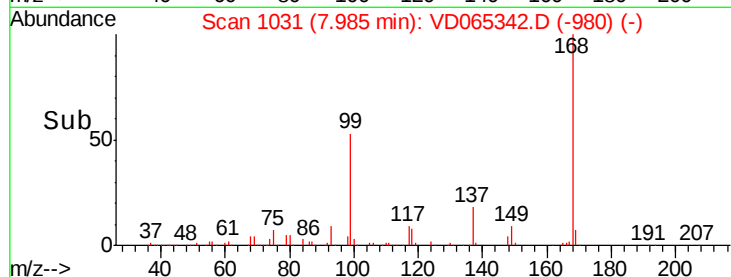
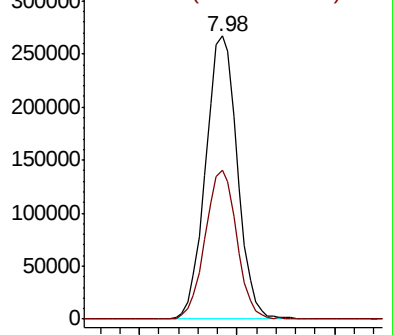
168 100

99 52.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.94 min Scan# 344

Delta R.T. 0.02 min

Lab File: VD065342.D

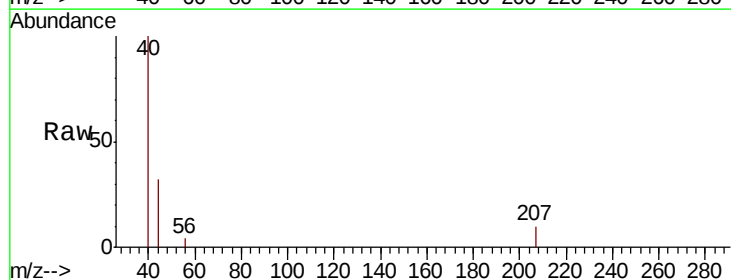
Acq: 27 Feb 2020 12:19

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

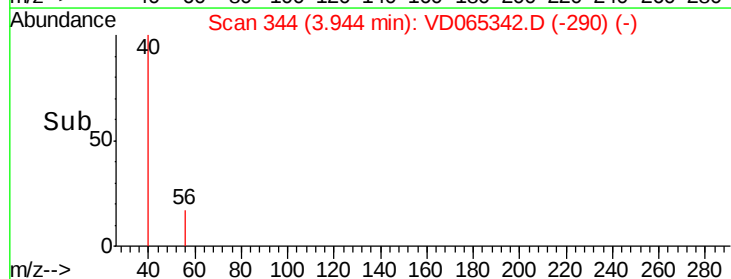
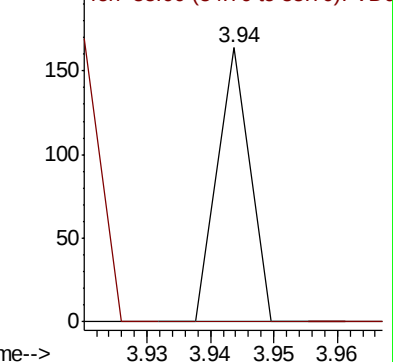
56 100

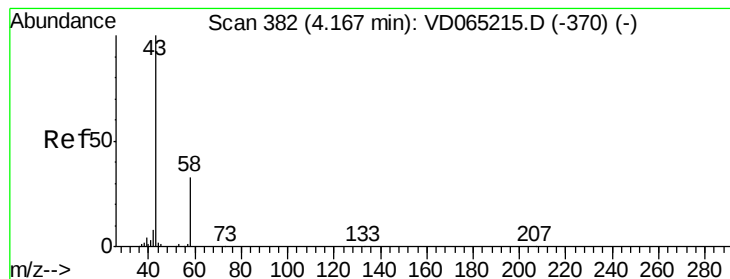
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.338 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

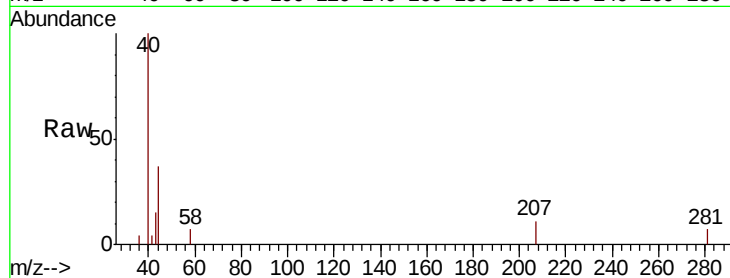
ClientSampleID :

Tot Ion: 43 Resp: 1783

Ion Ratio Lower Upper

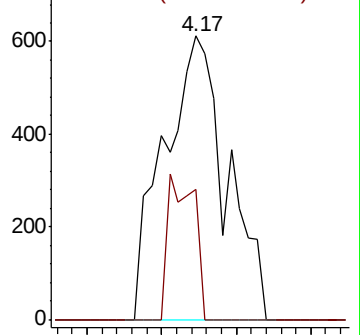
43 100

58 45.9 26.2 39.2#

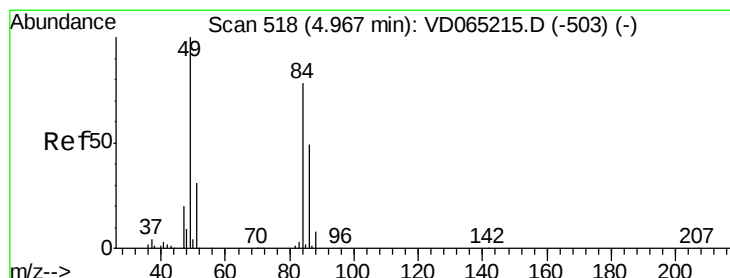
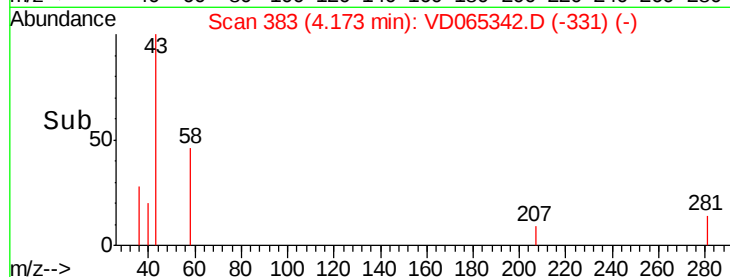


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Tgt Ion: 84 Resp: 18733

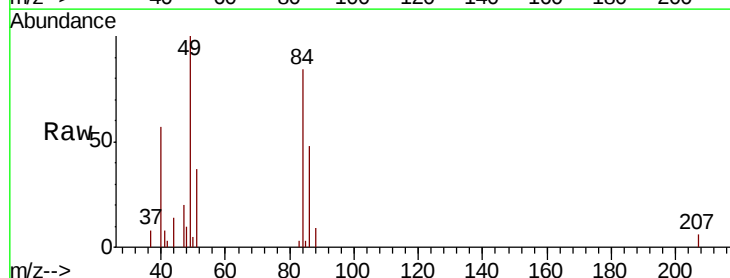
Ion Ratio Lower Upper

84 100

49 115.9 103.1 154.7

51 43.5 31.7 47.5

86 57.1 50.9 76.3

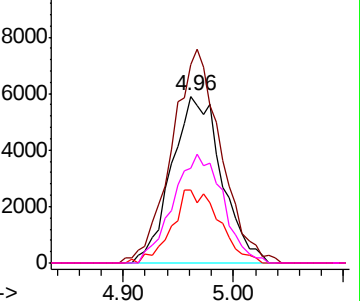


Abundance Ion 83.90 (83.60 to 84.60): VDC

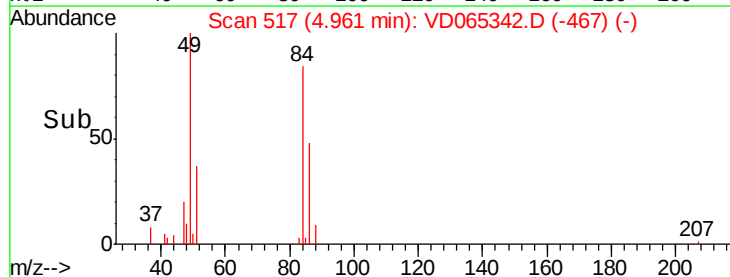
Ion 48.90 (48.60 to 49.60): VDC

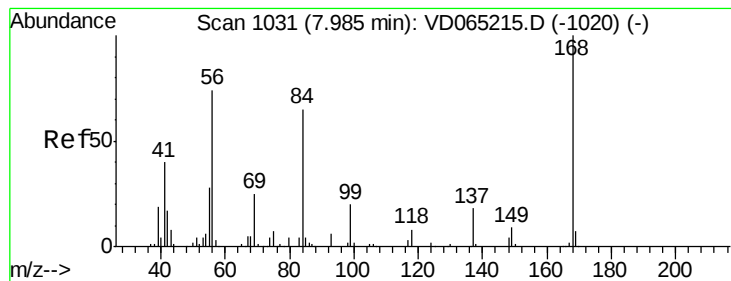
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

ClientSampled :

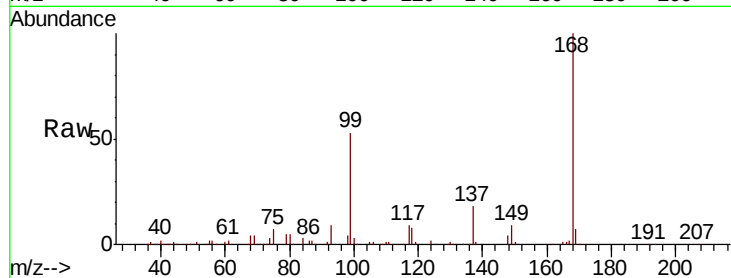
Tot Ion: 56 Resp: 13512

Ion Ratio Lower Upper

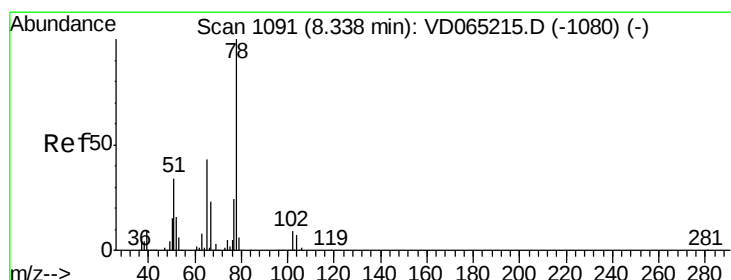
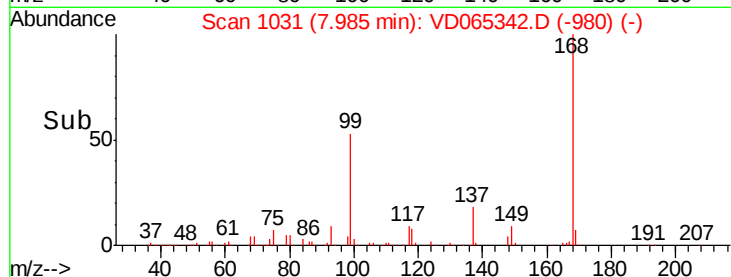
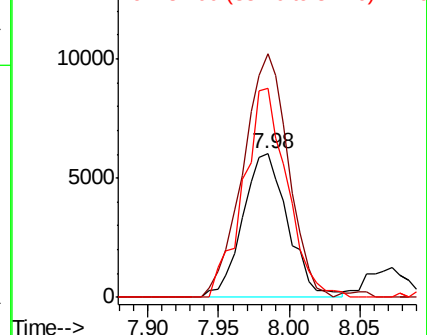
56 100

69 170.1 27.4 41.0#

84 146.0 71.1 106.7#



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: 55.169 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065342.D

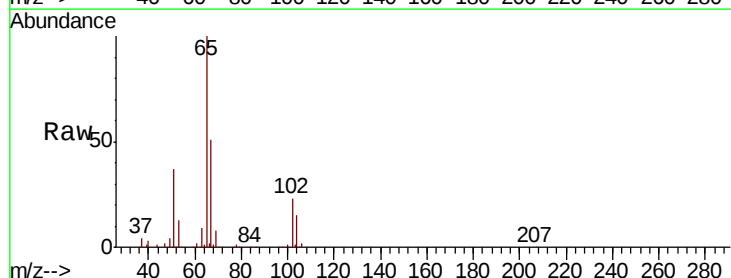
Acq: 27 Feb 2020 12:19

Tgt Ion: 65 Resp: 300844

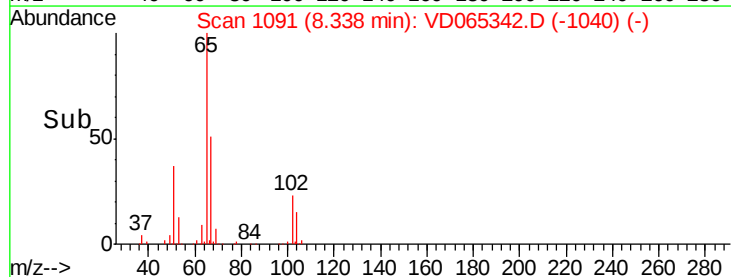
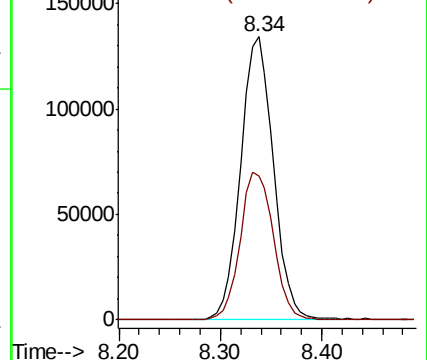
Ion Ratio Lower Upper

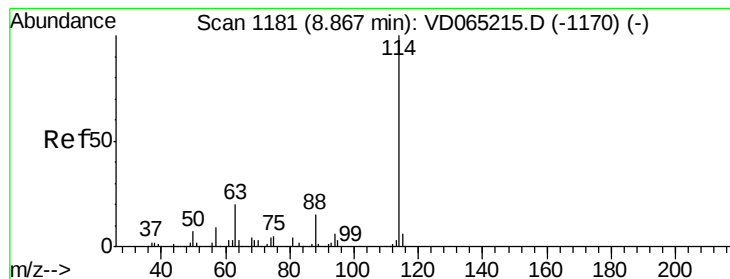
65 100

67 53.0 0.0 106.8



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# 1181

Delta R.T. -0.00 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

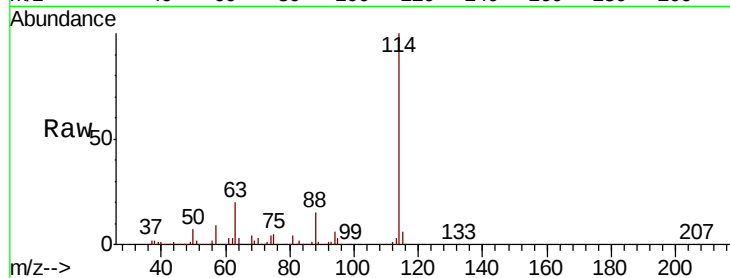
Tot Ion:114 Resp: 991516

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

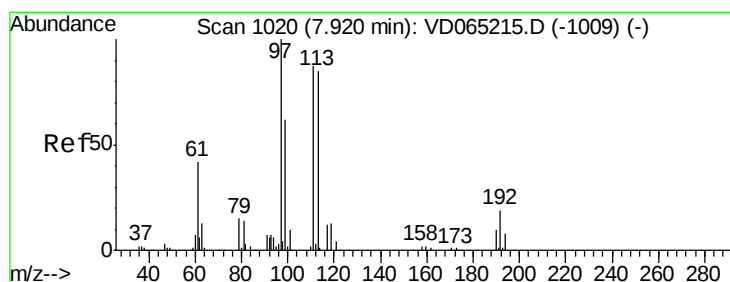
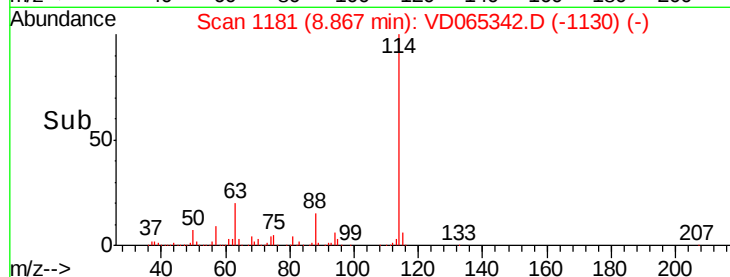
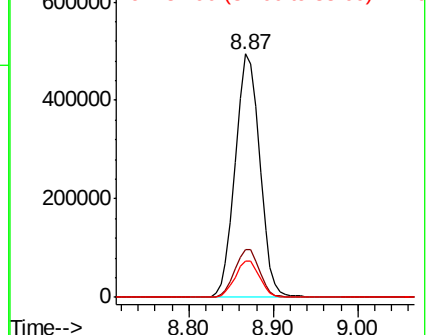
88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 52.176 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

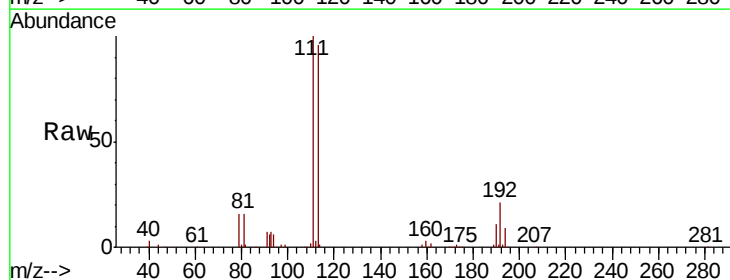
Tgt Ion:113 Resp: 315442

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

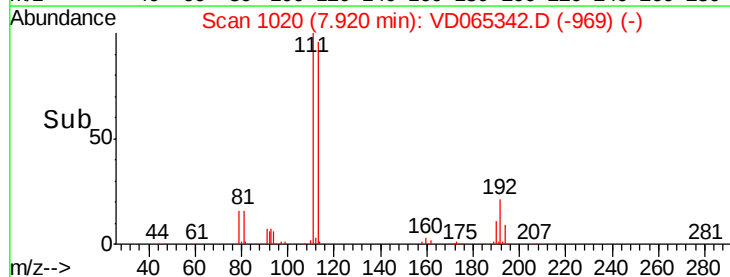
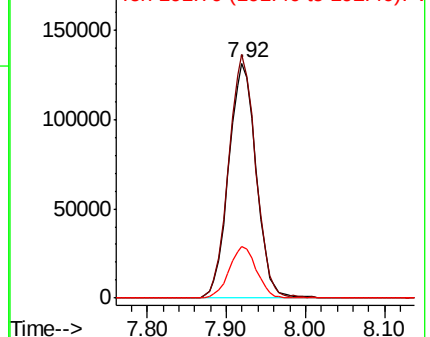
192 21.8 17.3 25.9

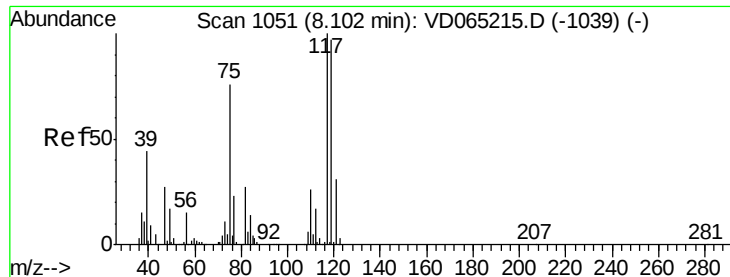


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

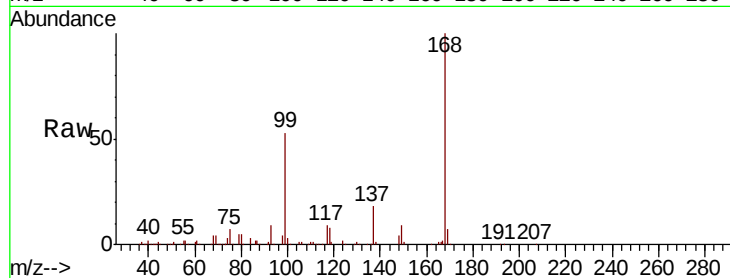
Tot Ion:117 Resp: 57139

Ion Ratio Lower Upper

117 100

119 5.6 77.6 116.4#

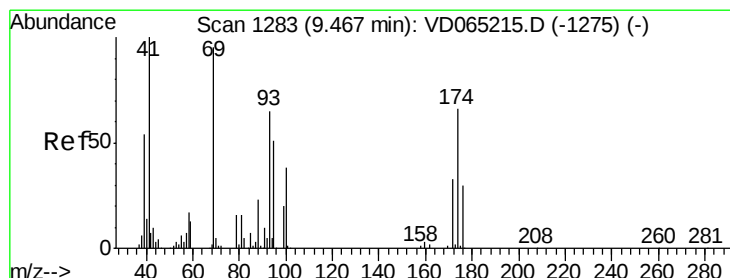
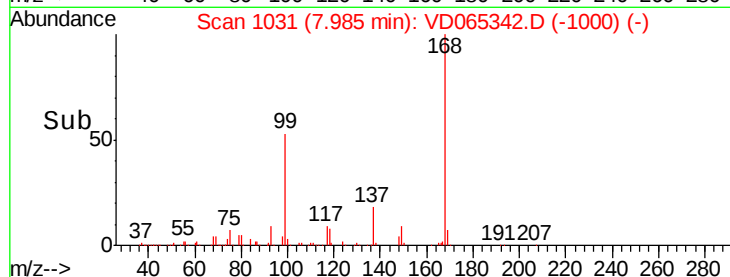
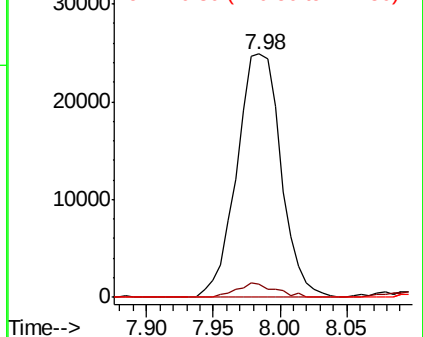
121 0.0 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 2.790 ug/l

RT: 9.18 min Scan# 1235

Delta R.T. -0.28 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

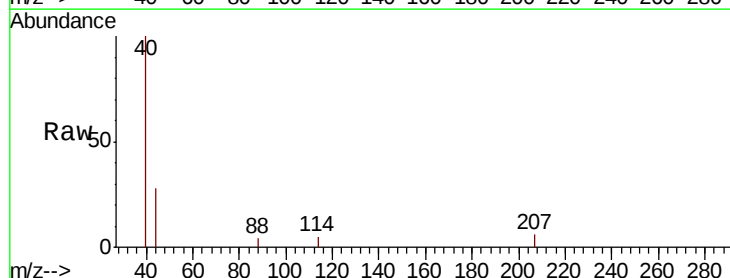
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 0.0 28.5 42.7#

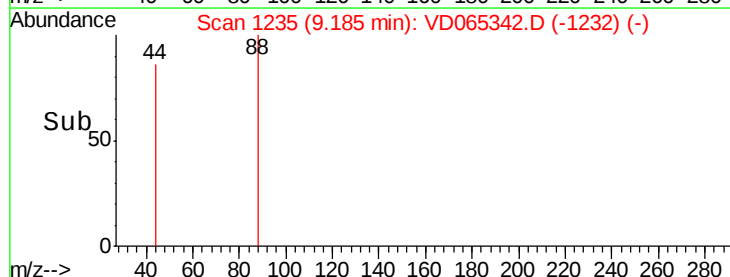
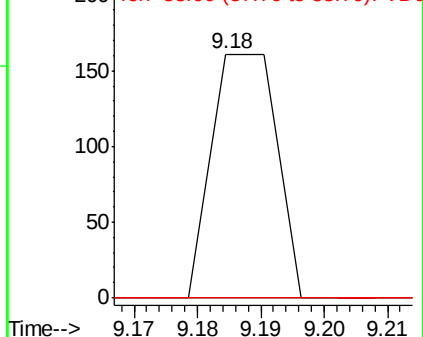
58 0.0 58.6 87.8#



Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 51.233 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

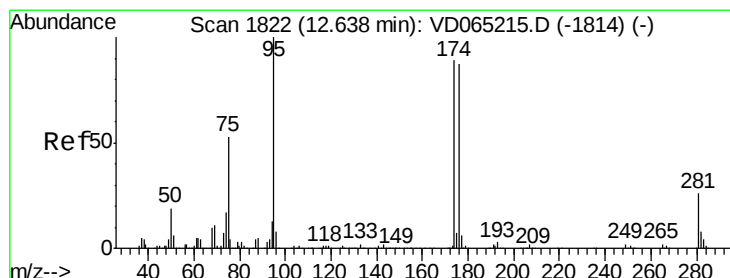
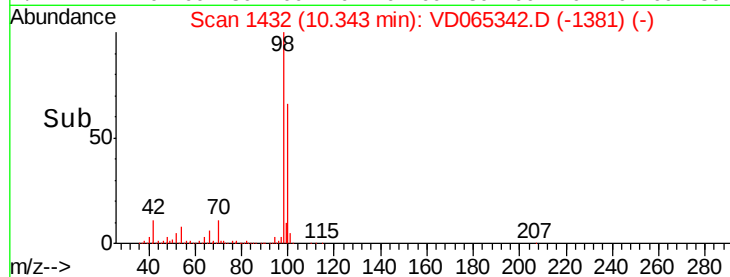
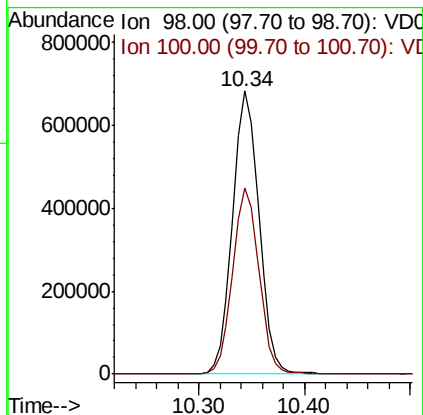
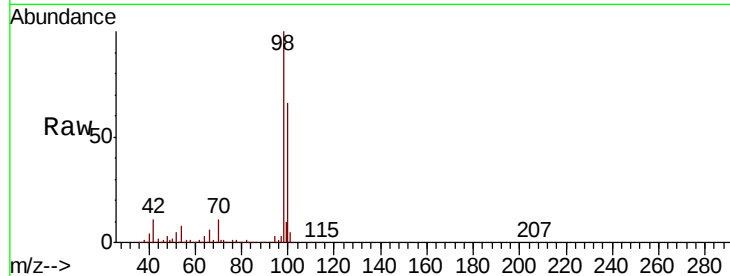
ClientSampleId :

Tot Ion: 98 Resp: 1184100

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.747 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

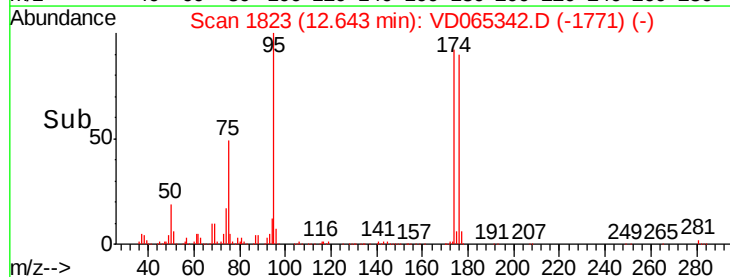
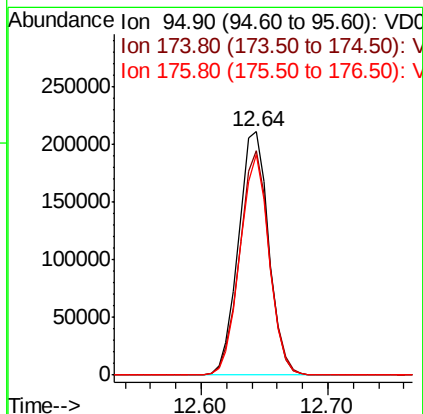
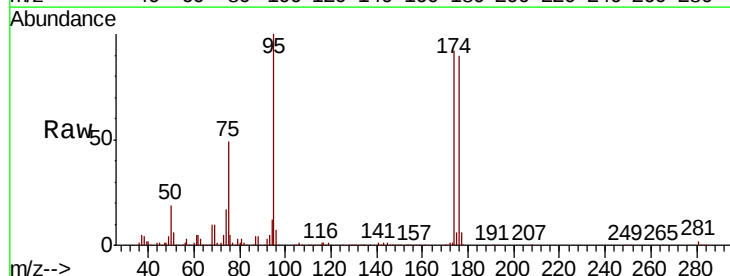
Tgt Ion: 95 Resp: 349587

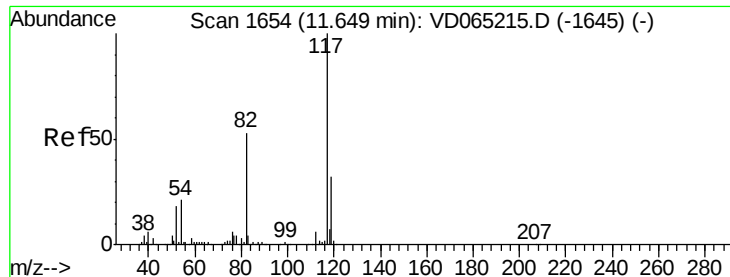
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

176 87.0 0.0 174.4

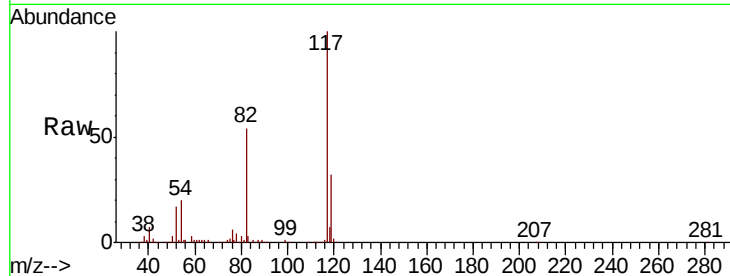




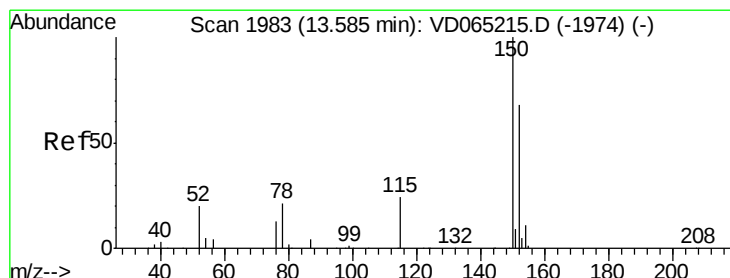
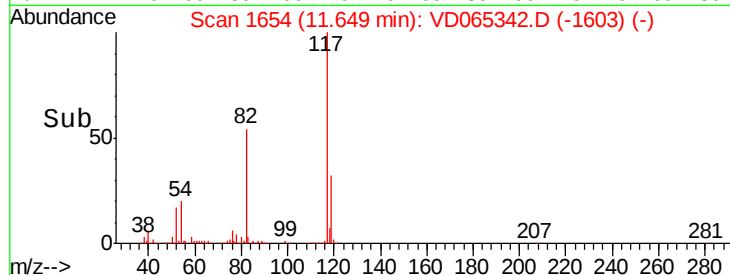
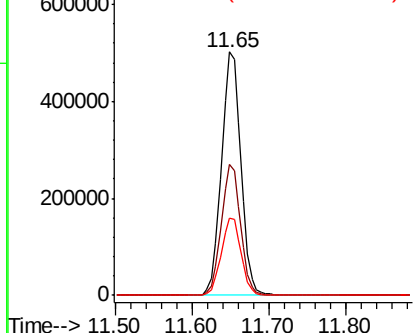
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065342.D
Acq: 27 Feb 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 878806
Ion Ratio Lower Upper
117 100
82 53.8 42.7 64.1
119 31.8 25.5 38.3

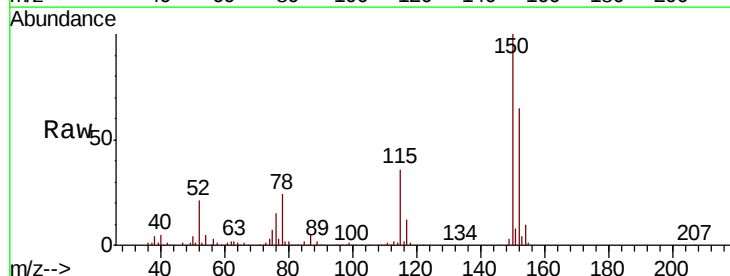


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

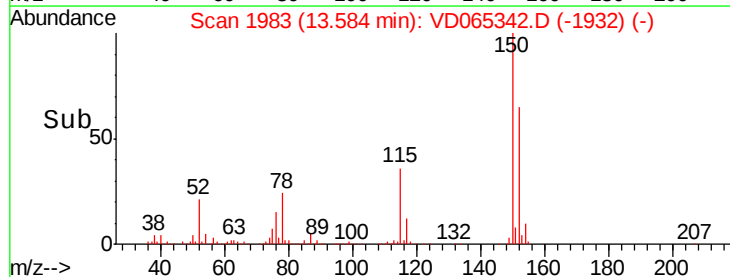
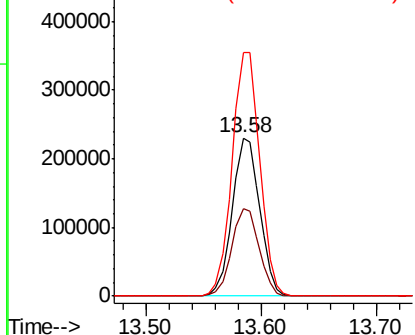


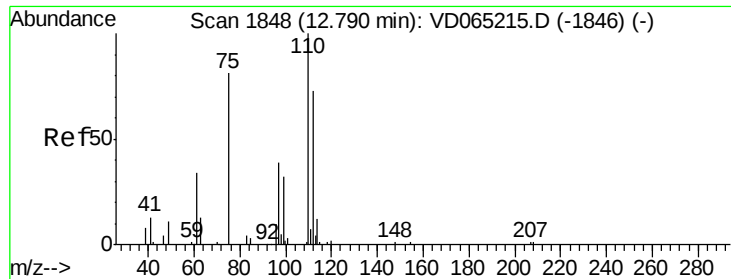
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065342.D
Acq: 27 Feb 2020 12:19

Tgt Ion:152 Resp: 377163
Ion Ratio Lower Upper
152 100
115 55.4 27.6 82.8
150 155.8 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: 53.391 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

Instrument :

MSVOA_D

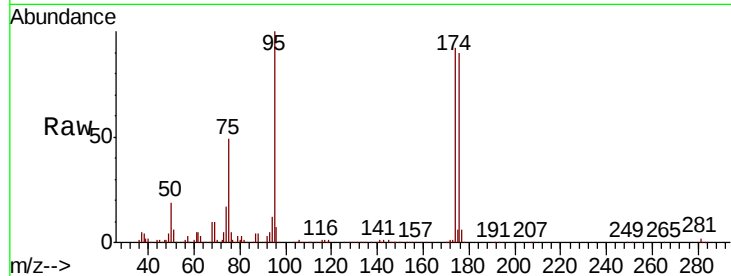
ClientSampleId :

Tot Ion: 75 Resp: 171333

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

120000

100000

80000

60000

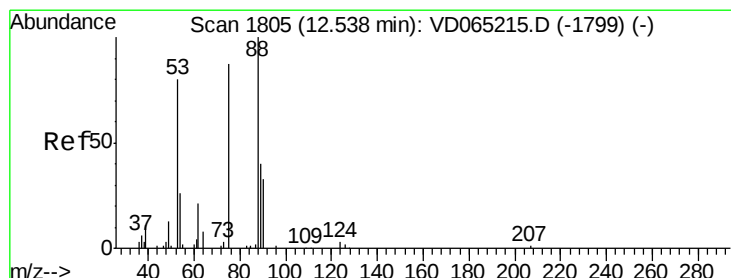
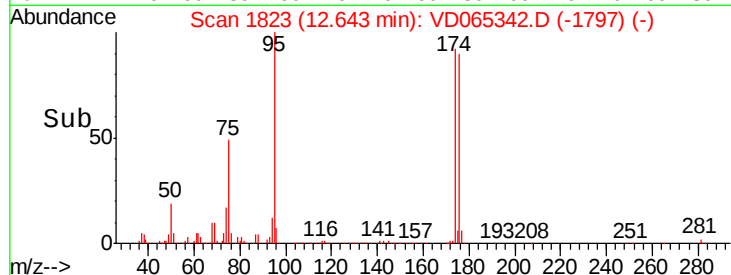
40000

20000

0

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.281 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065342.D

Acq: 27 Feb 2020 12:19

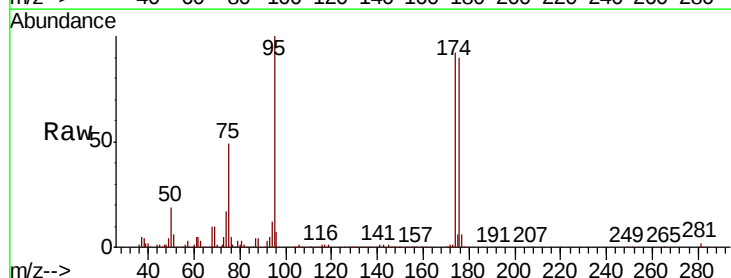
Tgt Ion: 75 Resp: 171333

Ion Ratio Lower Upper

75 100

53 0.0 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

100000

50000

0

12.60 12.70

Time-->

