

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065263.D
 Acq On : 20 Feb 2020 18:52
 Operator : VA/SY
 Sample : L1626-02
 Misc : 5.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:05:07 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	512746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	857113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	746804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302625	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	264355	57.31	ug/l	0.00
Spiked Amount						
			Recovery	=	114.62%	
35) Dibromofluoromethane	7.92	113	273081	52.25	ug/l	0.00
Spiked Amount						
			Recovery	=	104.50%	
50) Toluene-d8	10.34	98	1030951	51.60	ug/l	0.00
Spiked Amount						
			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.64	95	284253	44.91	ug/l	0.00
Spiked Amount						
			Recovery	=	89.82%	

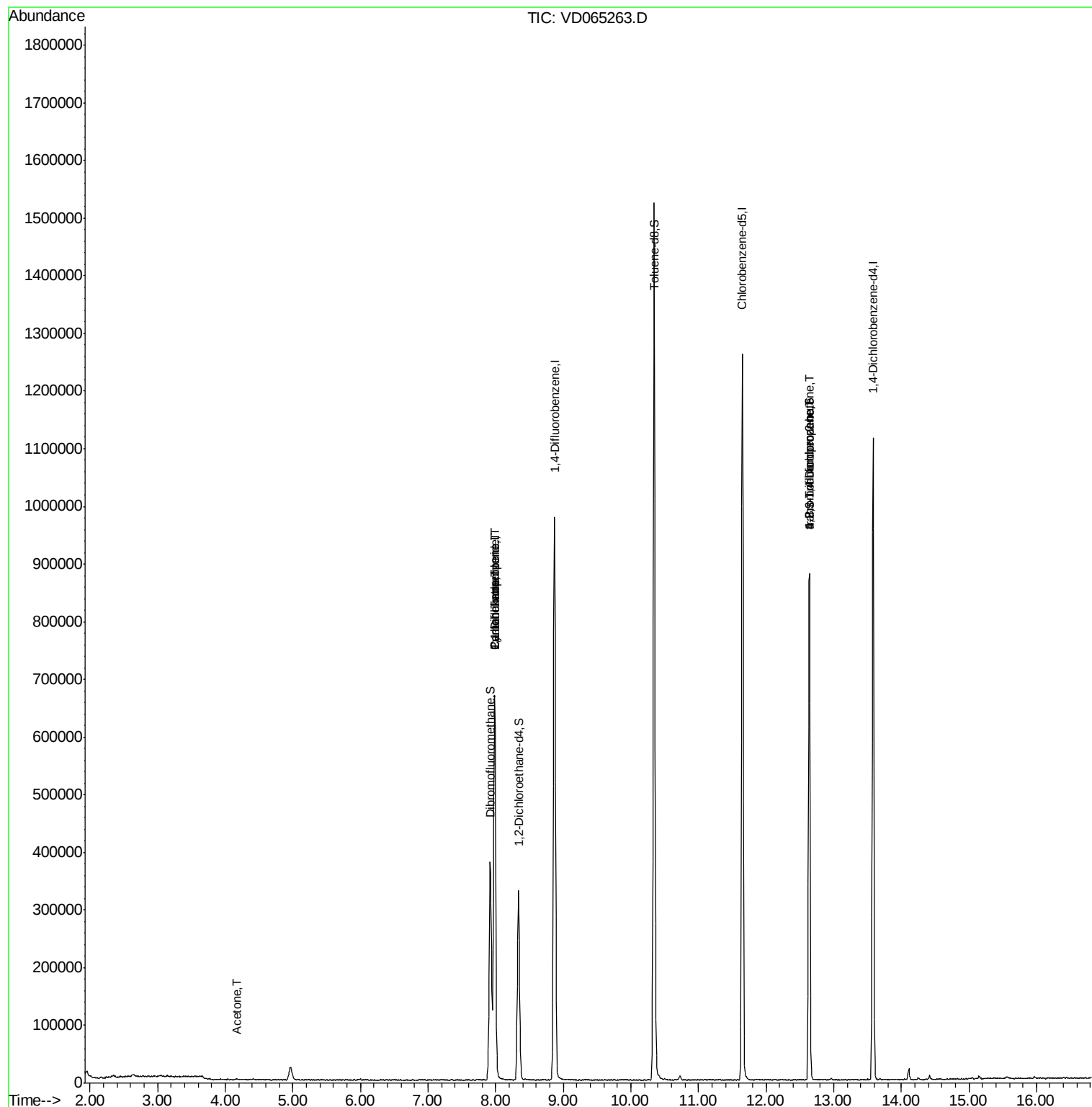
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	126	Below Cal	#	1
16) Acetone	4.17	43	2073	1.838	ug/l	98
20) Methylene Chloride	4.96	84	17816	Below Cal		92
31) Cyclohexane	7.98	56	9832	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36687	4.399	ug/l #	48
38) Carbon Tetrachloride	7.98	117	48577	5.722	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	144875	56.266	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	144875	121.488	ug/l #	11

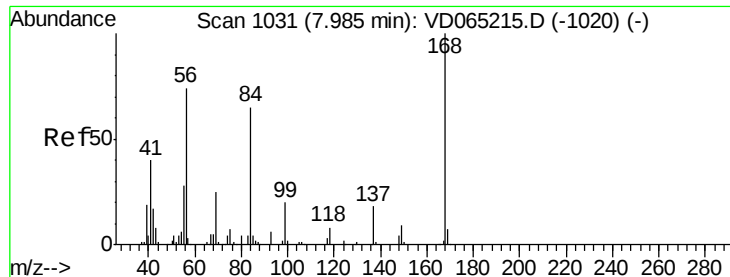
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065263.D

Acq: 20 Feb 2020 18:52

Instrument :

MSVOA_D

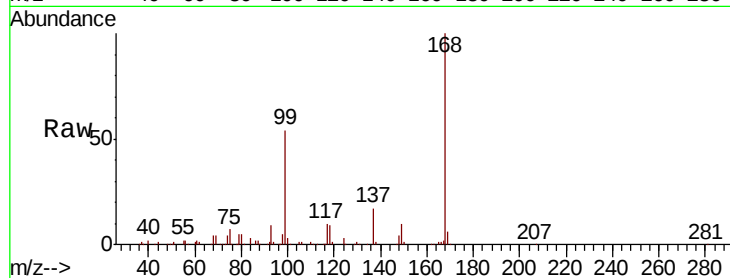
ClientSampleId :

Tot Ion:168 Resp: 512746

Ion Ratio Lower Upper

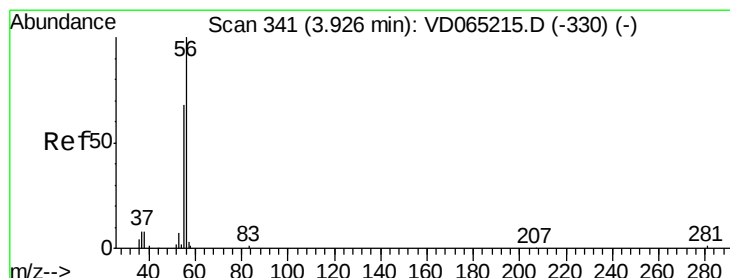
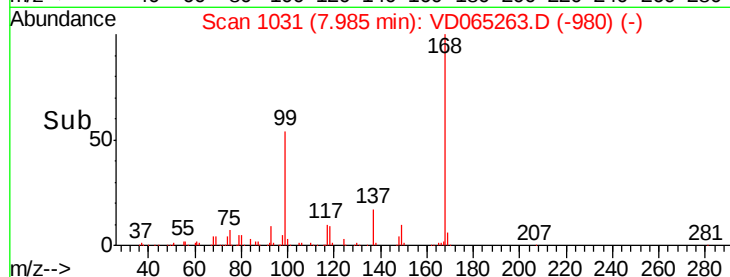
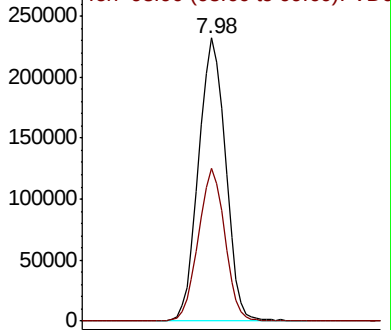
168 100

99 54.1 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: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065263.D

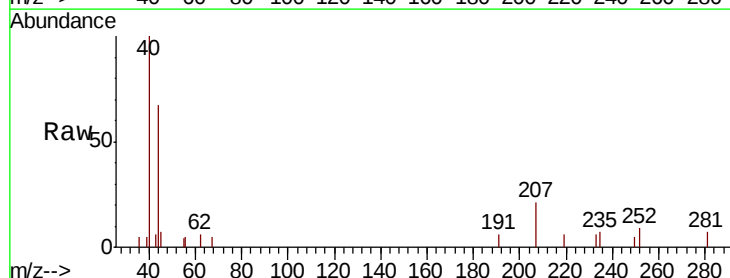
Acq: 20 Feb 2020 18:52

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

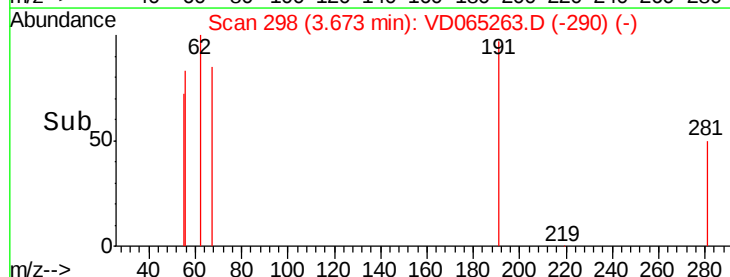
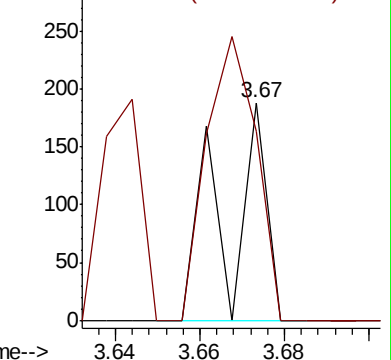
56 100

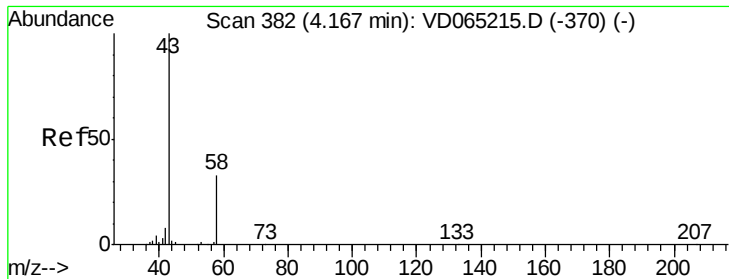
55 159.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.838 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

Instrument :

MSVOA_D

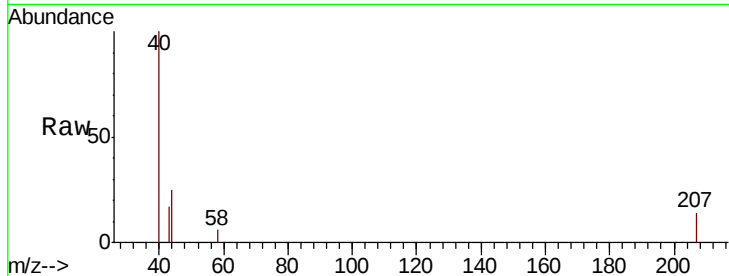
ClientSampleId :

Tot Ion: 43 Resp: 2073

Ion Ratio Lower Upper

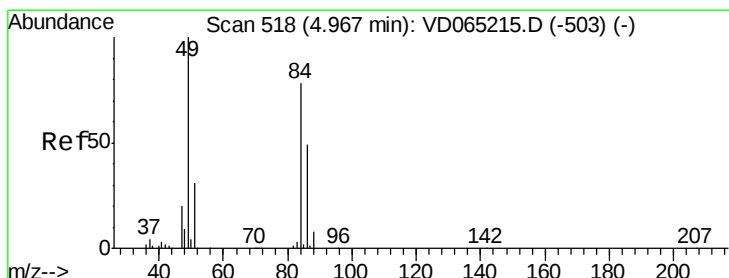
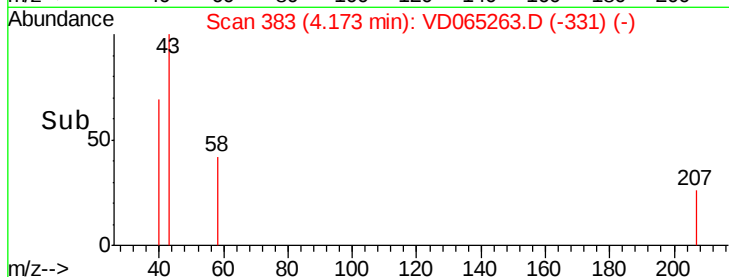
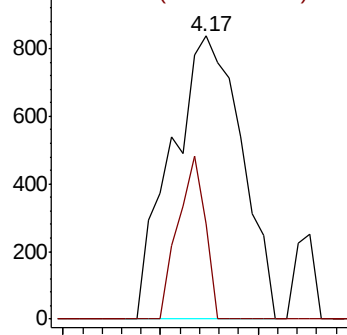
43 100

58 33.7 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

Tgt Ion: 84 Resp: 17816

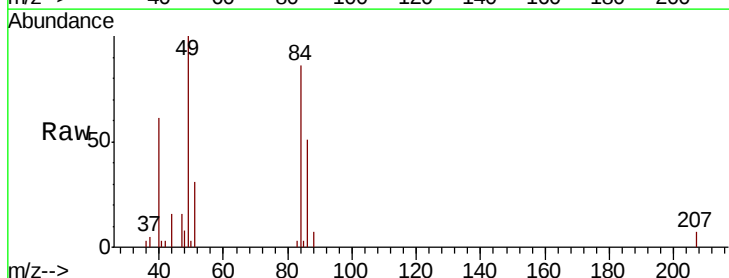
Ion Ratio Lower Upper

84 100

49 116.6 103.1 154.7

51 36.7 31.7 47.5

86 60.0 50.9 76.3

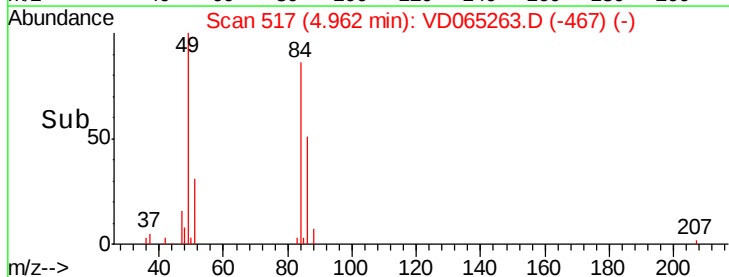
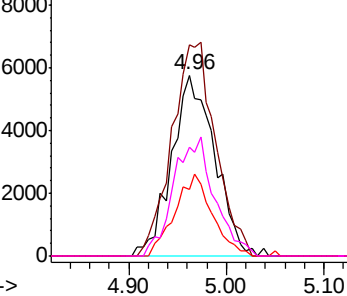


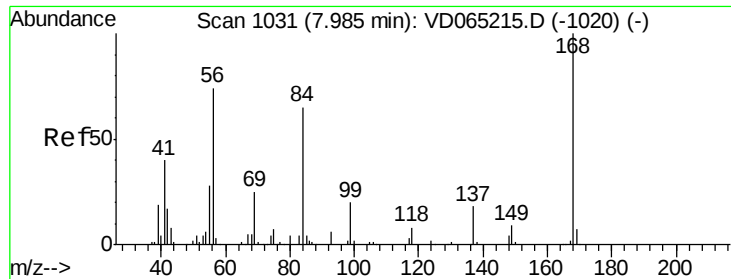
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

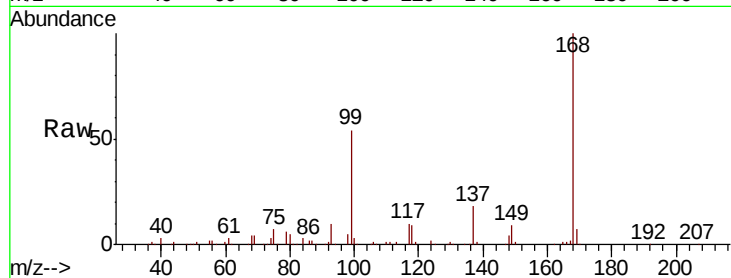




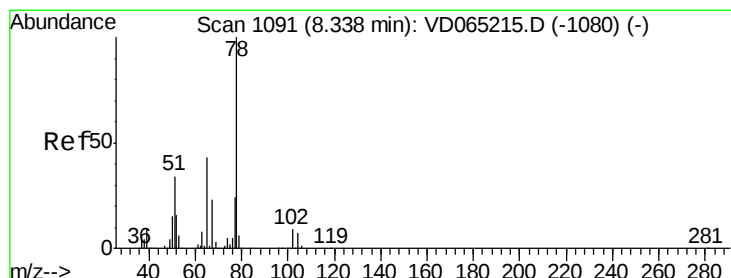
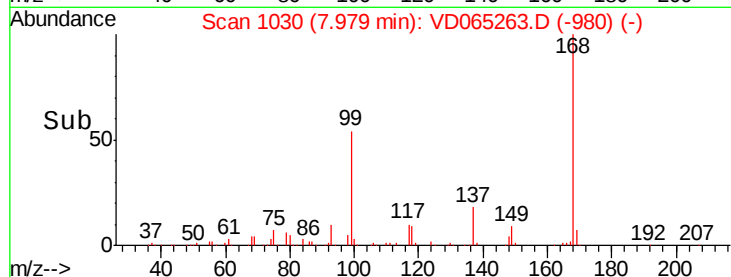
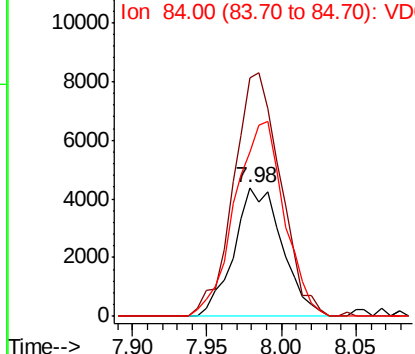
#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065263.D
Acq: 20 Feb 2020 18:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9832
Ion Ratio Lower Upper
56 100
69 184.7 27.4 41.0#
84 127.4 71.1 106.7#

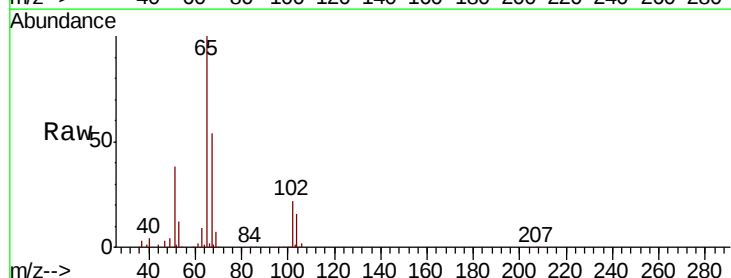


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

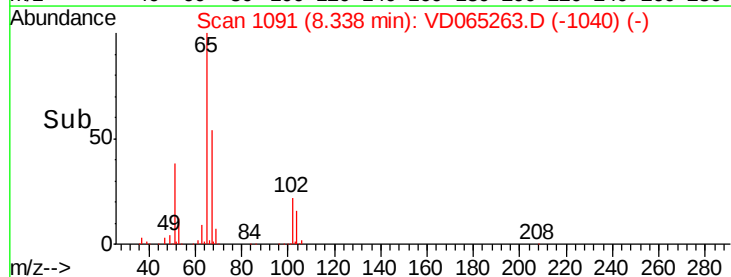
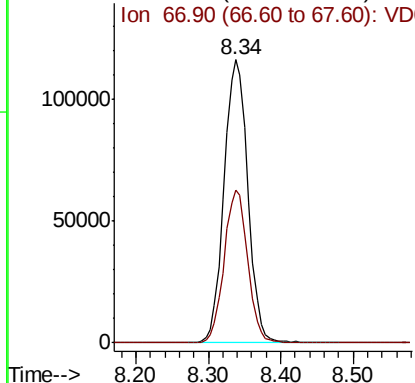


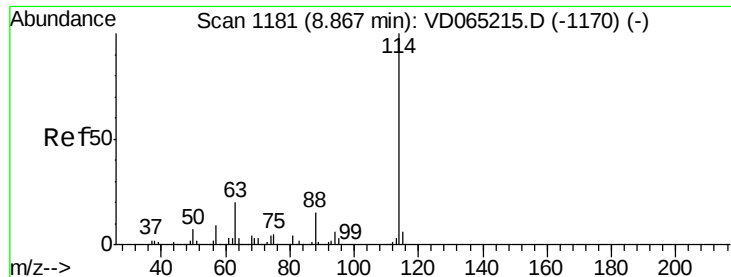
#33
1,2-Dichloroethane-d4
Concen: 57.310 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065263.D
Acq: 20 Feb 2020 18:52

Tgt Ion: 65 Resp: 264355
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8



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

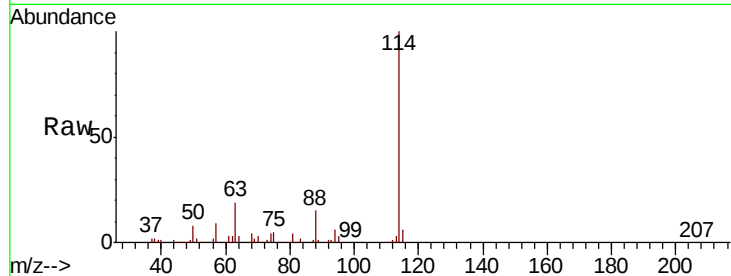




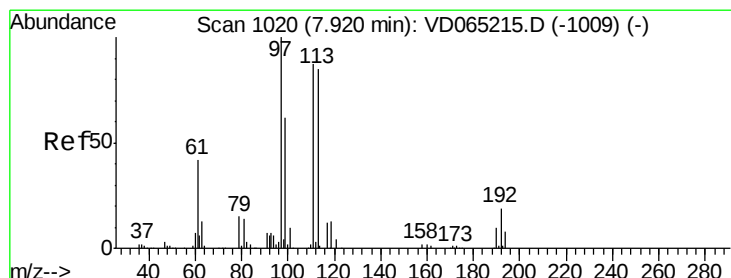
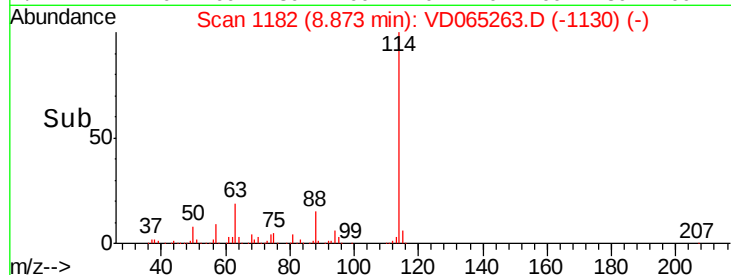
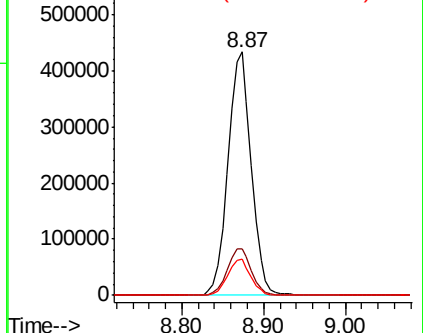
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065263.D
 Acq: 20 Feb 2020 18:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.4
88	14.7	0.0	30.4

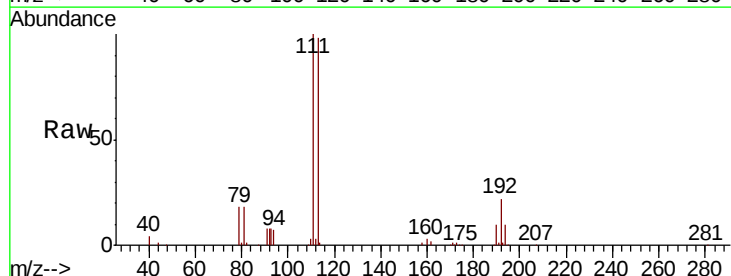


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

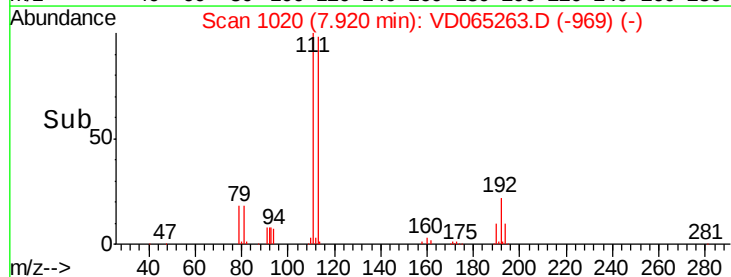
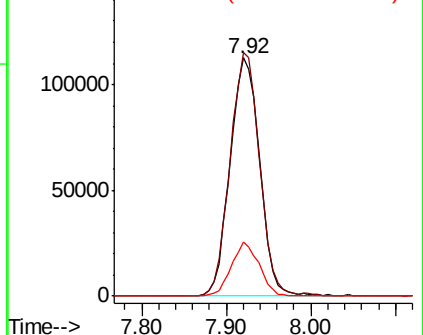


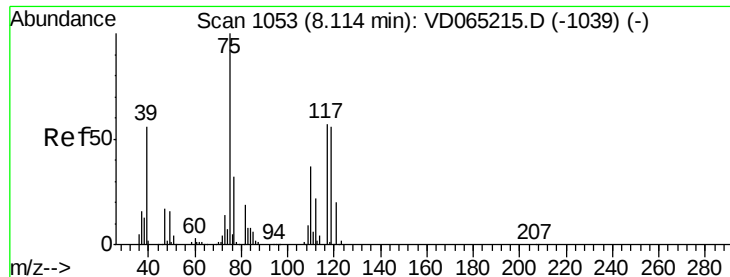
#35
 Dibromofluoromethane
 Concen: 52.253 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065263.D
 Acq: 20 Feb 2020 18:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	21.2	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





#36

1,1-Dichloropropene

Concen: 4.399 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

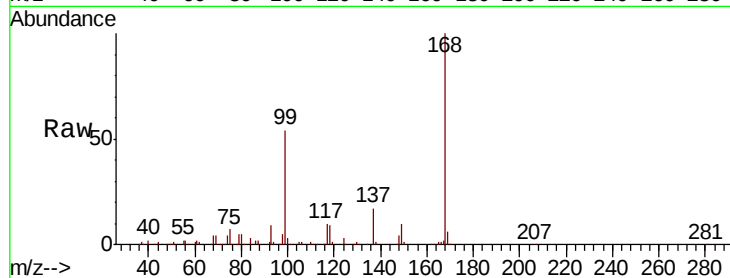
Tot Ion: 75 Resp: 36687

Ion Ratio Lower Upper

75 100

110 8.2 17.9 53.7#

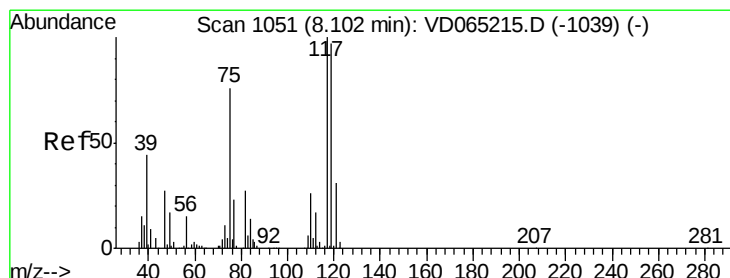
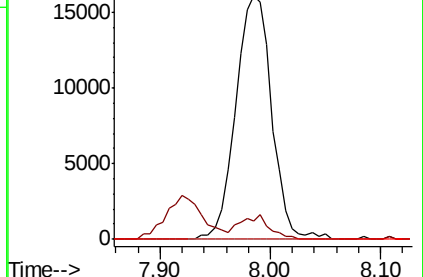
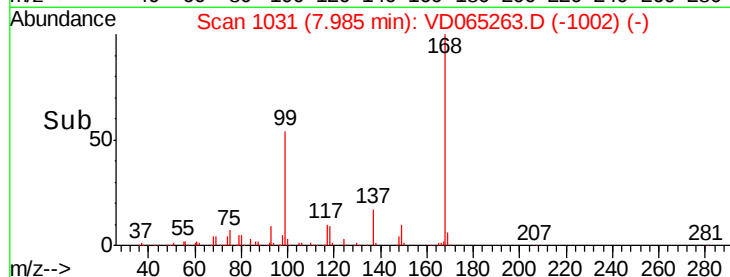
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VD065263.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD065263.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD065263.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

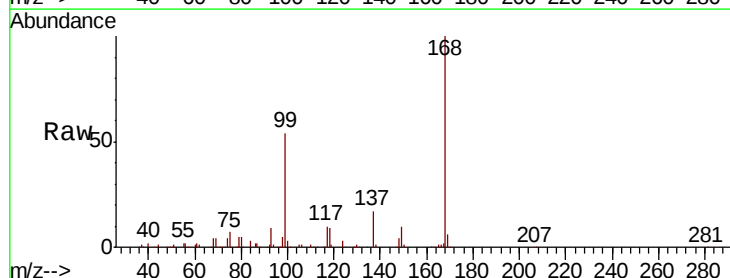
Tgt Ion: 117 Resp: 48577

Ion Ratio Lower Upper

117 100

119 6.2 77.6 116.4#

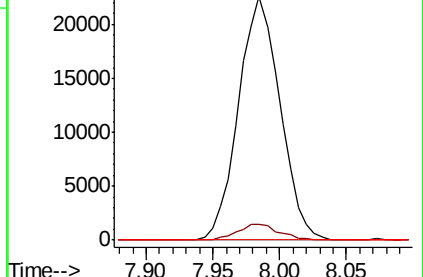
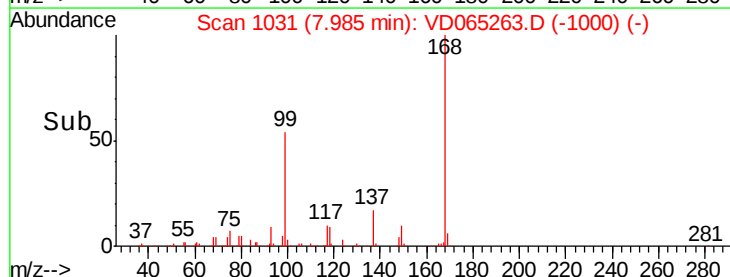
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): VD065263.D (-1000) (-)

Ion 118.80 (118.50 to 119.50): VD065263.D (-1000) (-)

Ion 120.80 (120.50 to 121.50): VD065263.D (-1000) (-)





#50

Toluene-d8

Concen: 51.601 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

Instrument :

MSVOA_D

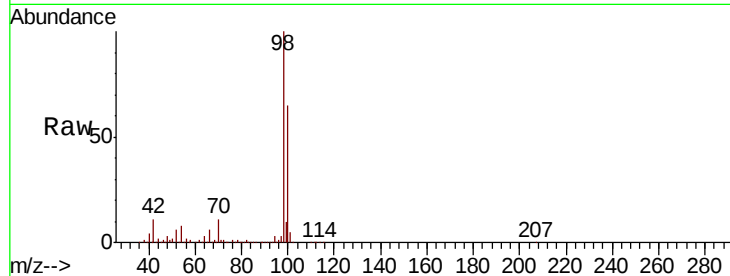
ClientSampleId :

Tot Ion: 98 Resp: 1030951

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

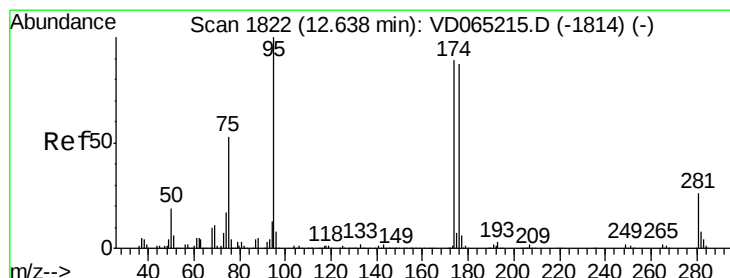
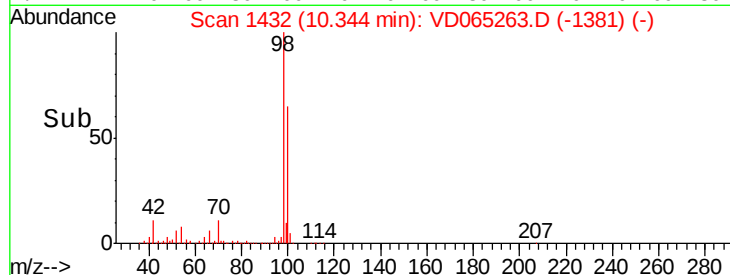
600000

400000

200000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 44.911 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

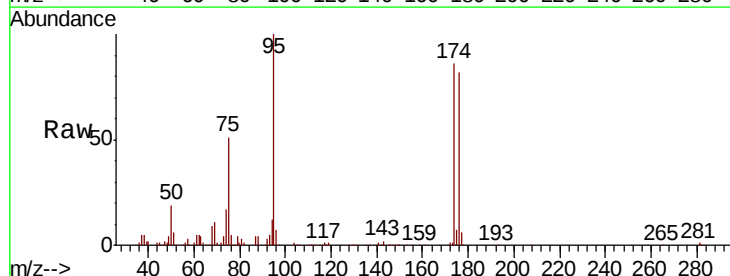
Tgt Ion: 95 Resp: 284253

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

176 86.5 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

200000

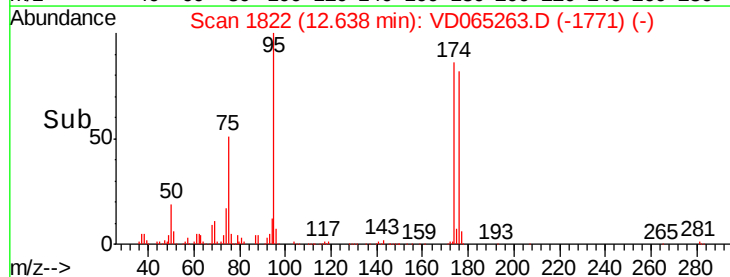
150000

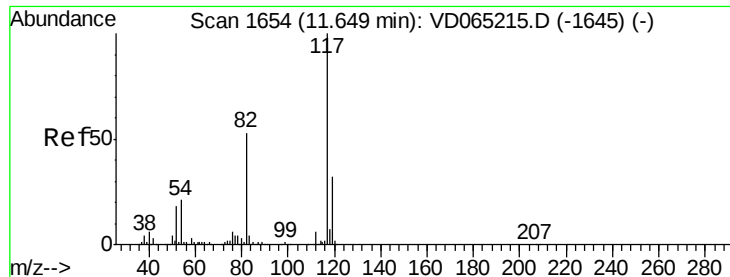
100000

50000

0

Time--> 12.60 12.70

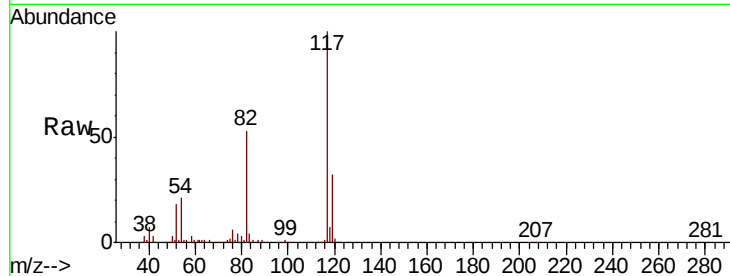




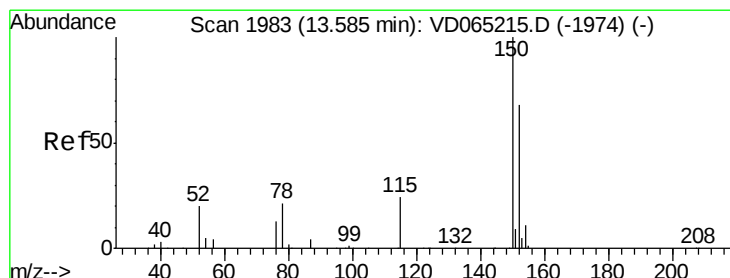
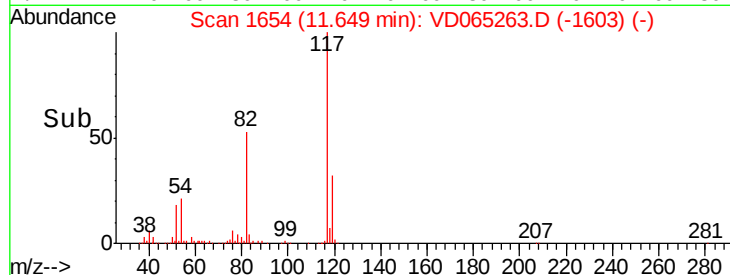
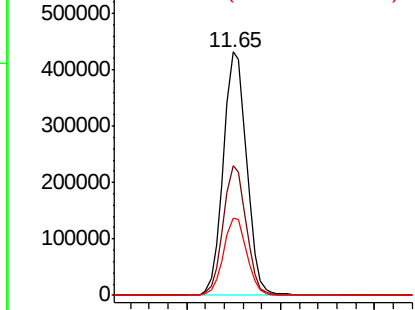
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065263.D
Acq: 20 Feb 2020 18:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 746804
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 32.0 25.5 38.3

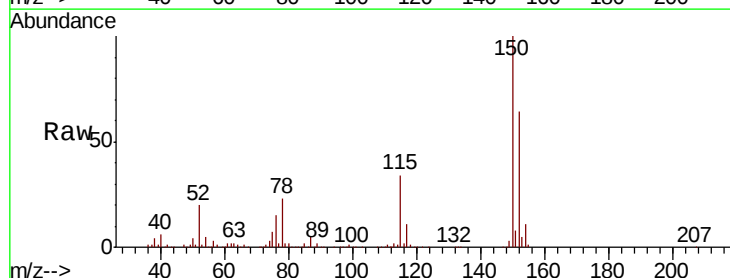


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

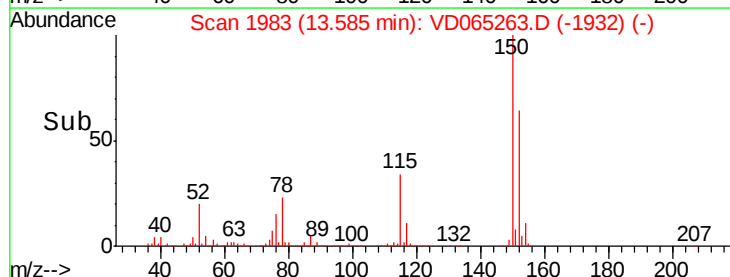
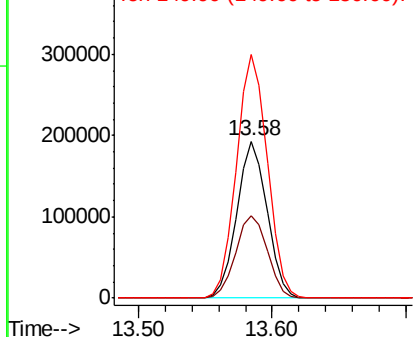


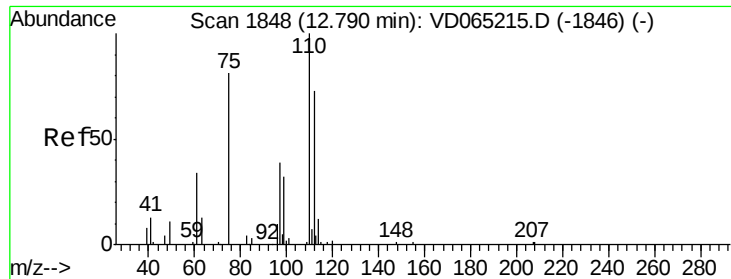
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065263.D
Acq: 20 Feb 2020 18:52

Tgt Ion:152 Resp: 302625
Ion Ratio Lower Upper
152 100
115 55.4 27.6 82.8
150 158.5 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: 56.266 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

Instrument :

MSVOA_D

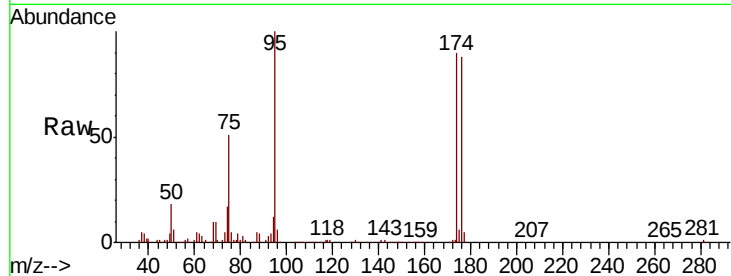
ClientSampleId :

Tot Ion: 75 Resp: 144875

Ion Ratio Lower Upper

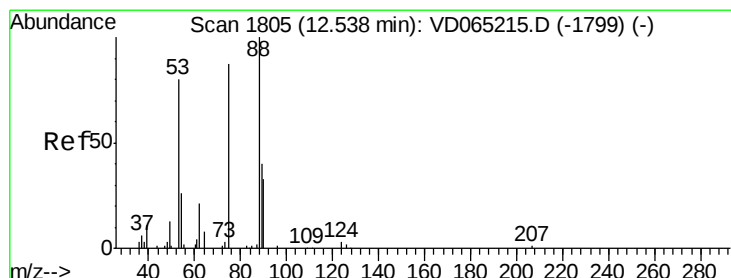
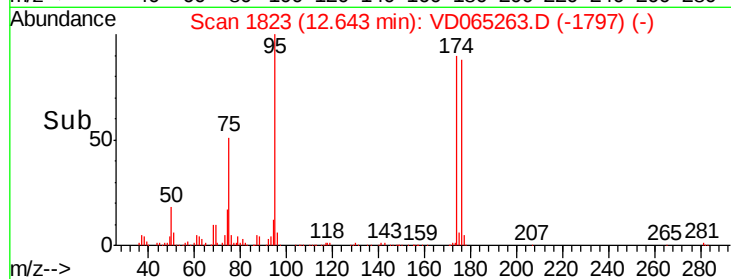
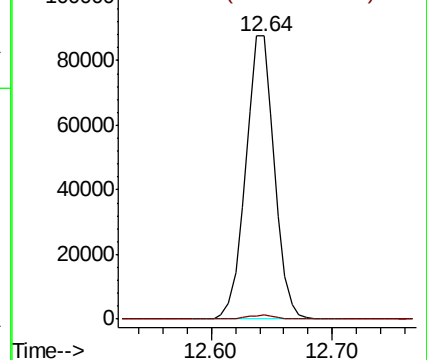
75 100

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: 121.488 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065263.D

Acq: 20 Feb 2020 18:52

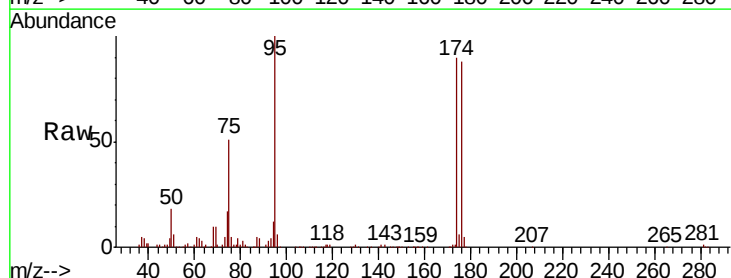
Tgt Ion: 75 Resp: 144875

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 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

