

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065261.D
 Acq On : 20 Feb 2020 17:55
 Operator : VA/SY
 Sample : L1625-02
 Misc : 5.34G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:48 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

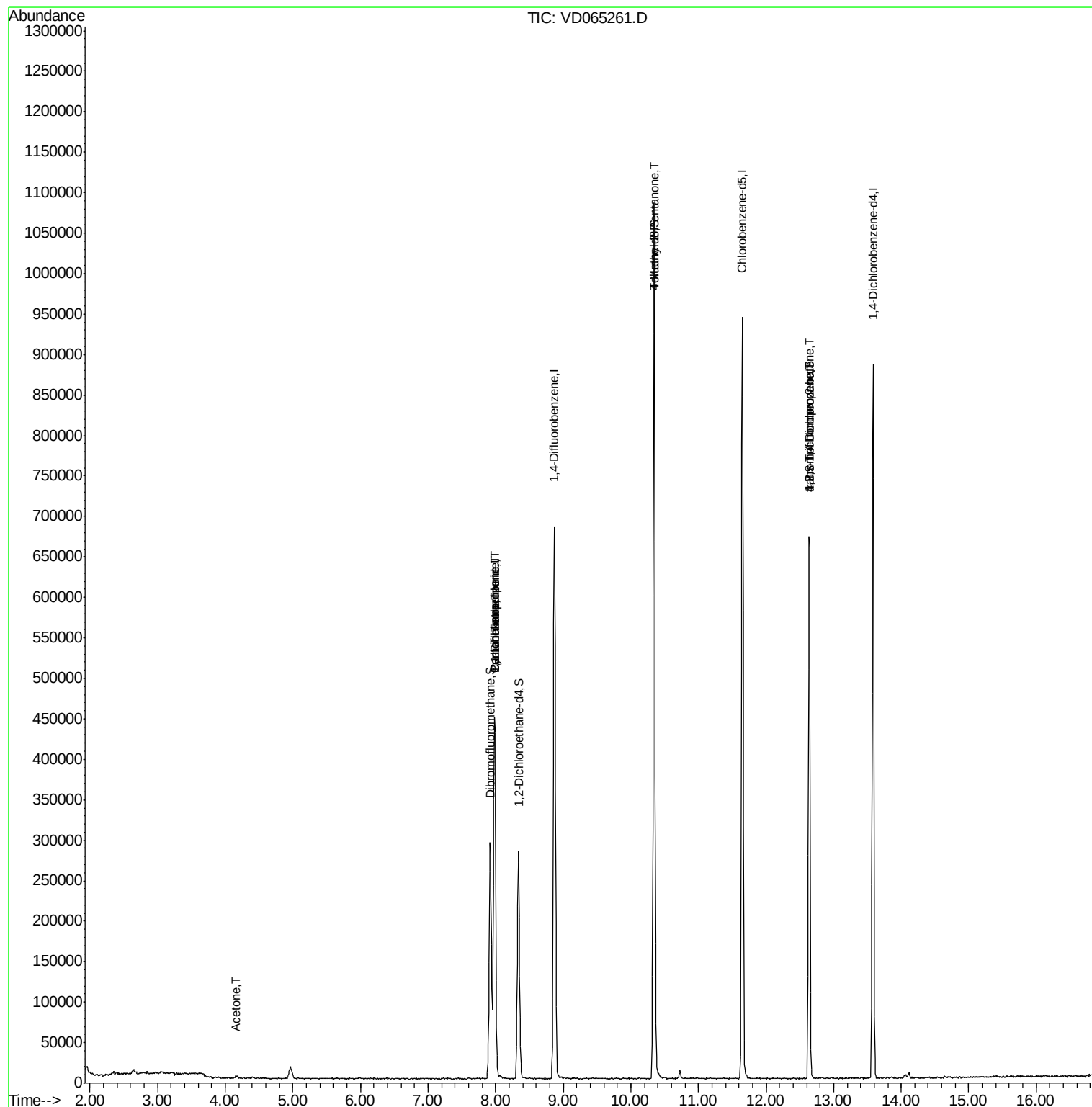
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	606823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	552996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241848	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	220835	68.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.38%	
35) Dibromofluoromethane	7.92	113	205033	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
50) Toluene-d8	10.34	98	725210	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.64	95	217223	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	3708	4.718	ug/l #	81
20) Methylene Chloride	4.96	84	11076	Below Cal	#	89
31) Cyclohexane	7.99	56	8192	1.296	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	25235	4.274	ug/l #	48
38) Carbon Tetrachloride	7.98	117	33791	5.622	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	3387	1.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109092	53.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109092	114.471	ug/l #	11

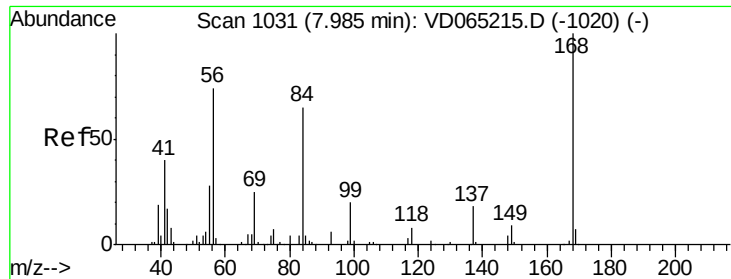
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065261.D

Acq: 20 Feb 2020 17:55

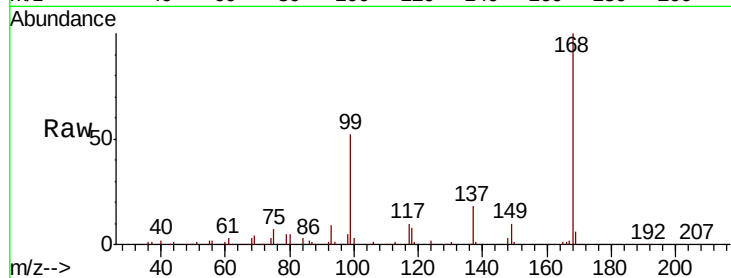
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 357357

Ion Ratio Lower Upper

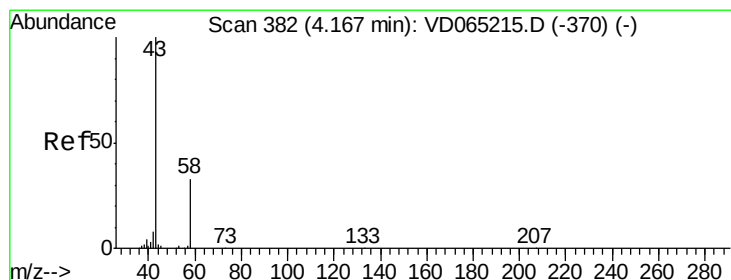
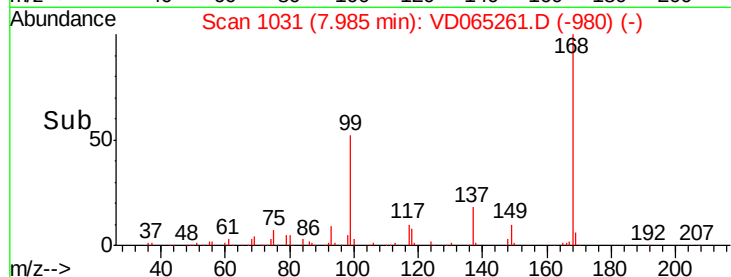
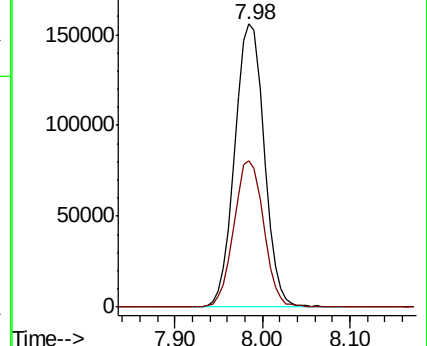
168 100

99 51.7 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 4.718 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065261.D

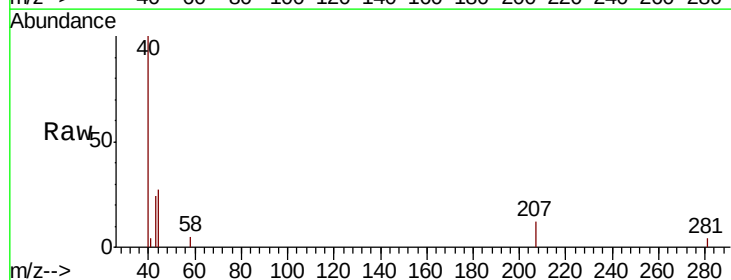
Acq: 20 Feb 2020 17:55

Tgt Ion: 43 Resp: 3708

Ion Ratio Lower Upper

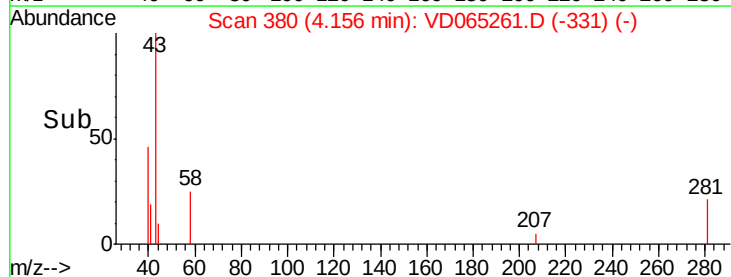
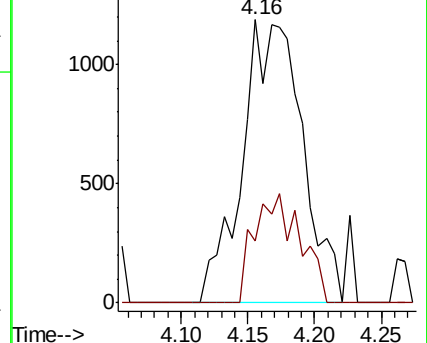
43 100

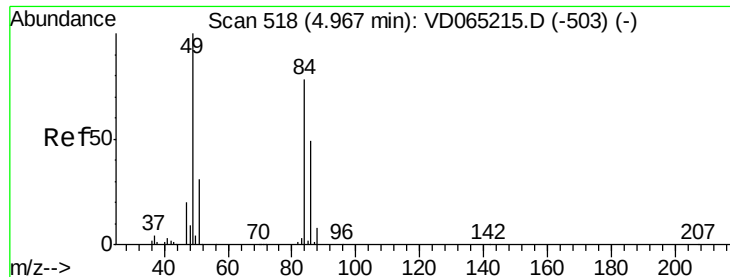
58 21.8 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

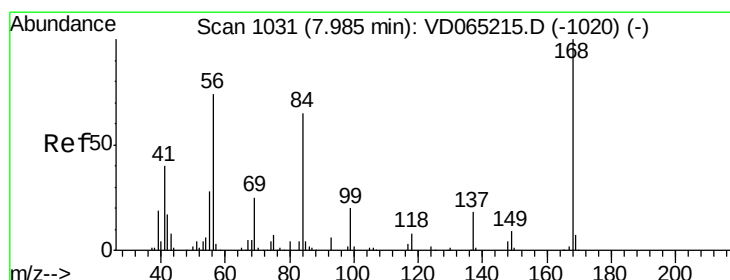
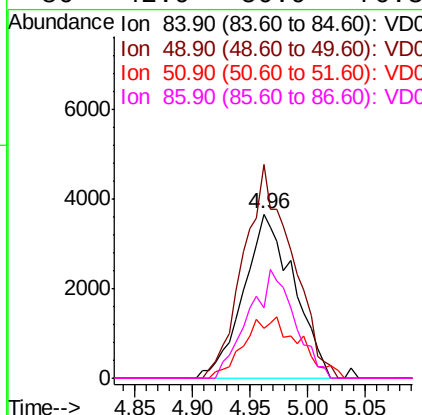
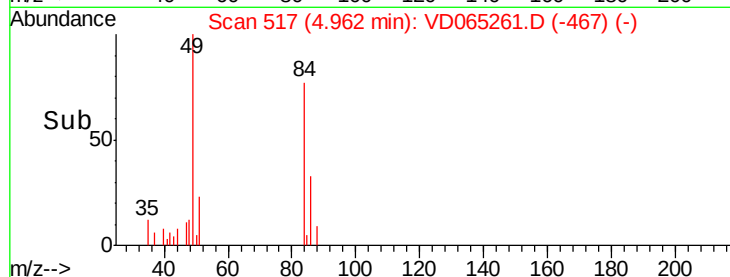
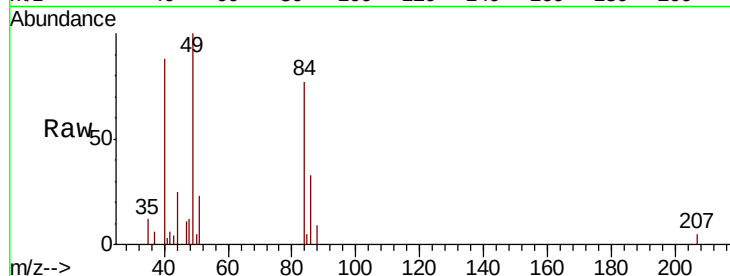




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

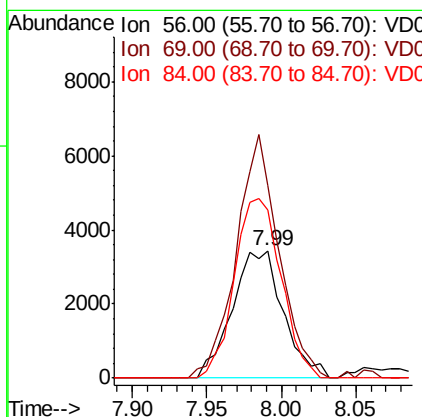
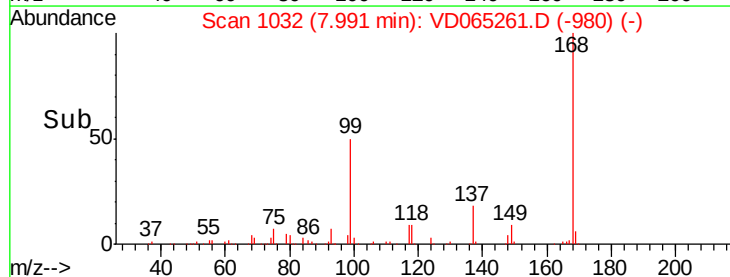
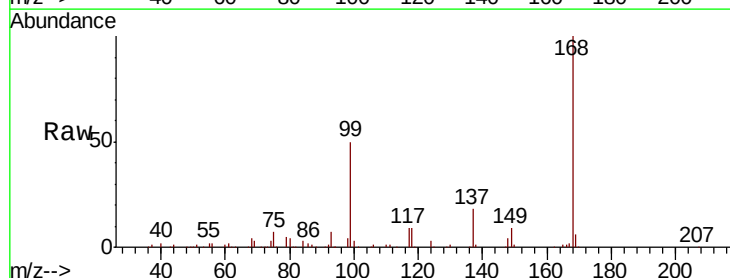
Instrument :
MSVOA_D
ClientSampleId :

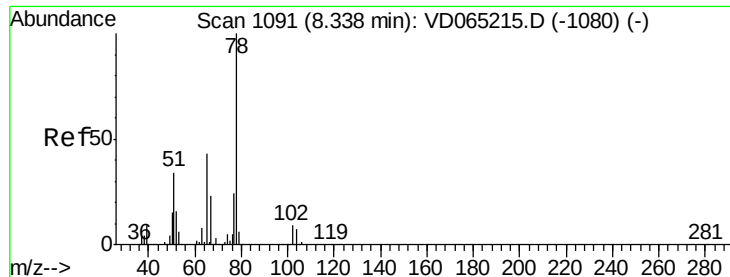
Tot Ion: 84 Resp: 11076
Ion Ratio Lower Upper
84 100
49 130.3 103.1 154.7
51 30.4 31.7 47.5#
86 42.9 50.9 76.3#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

Tgt Ion: 56 Resp: 8192
Ion Ratio Lower Upper
56 100
69 151.1 27.4 41.0#
84 131.2 71.1 106.7#

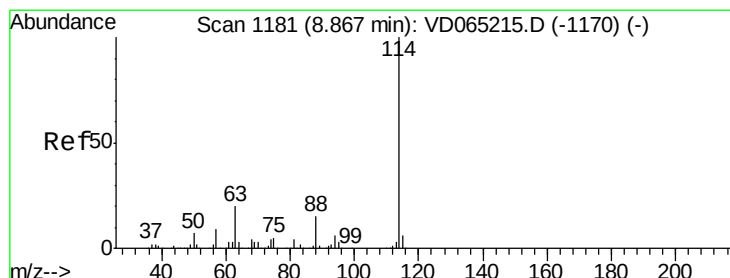
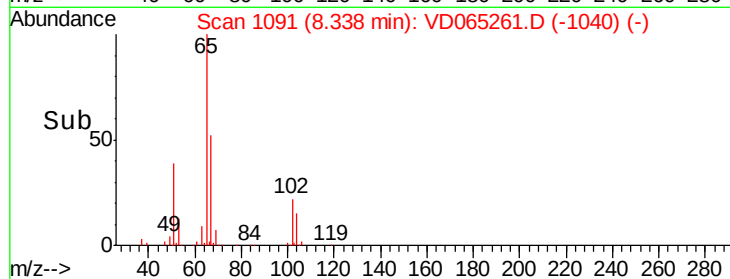
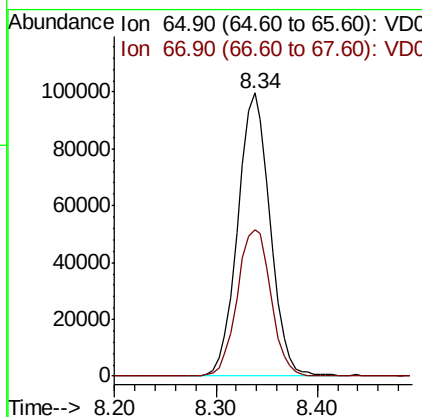
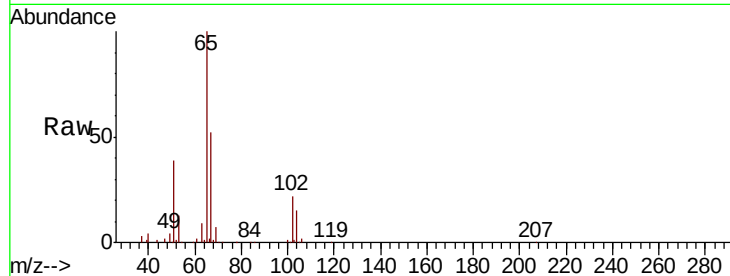




#33
 1,2-Dichloroethane-d4
 Concen: 68.693 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065261.D
 Acq: 20 Feb 2020 17:55

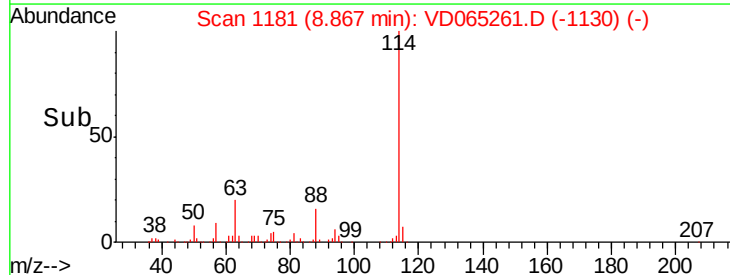
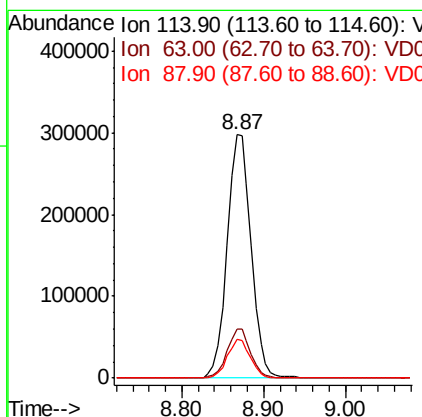
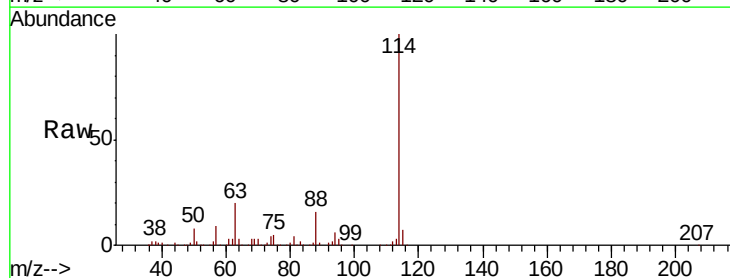
Instrument :
 MSVOA_D
 ClientSampled :

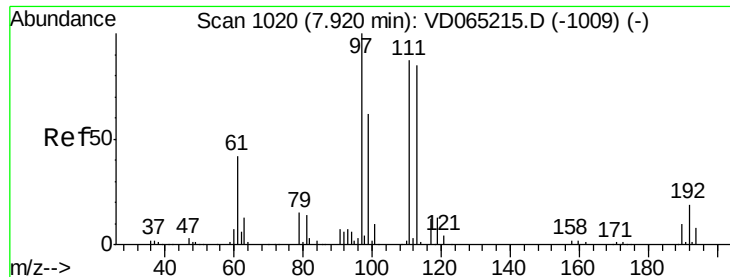
Tot Ion: 65 Resp: 220835
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065261.D
 Acq: 20 Feb 2020 17:55

Tgt Ion:114 Resp: 606823
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.7 0.0 30.4

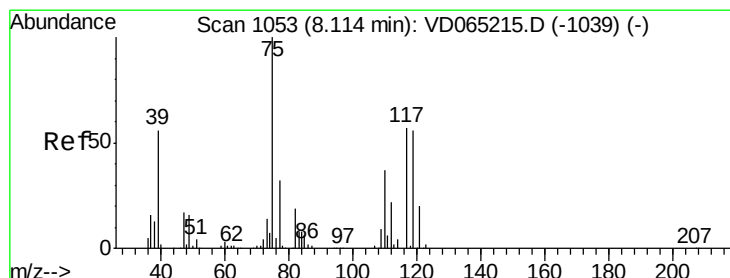
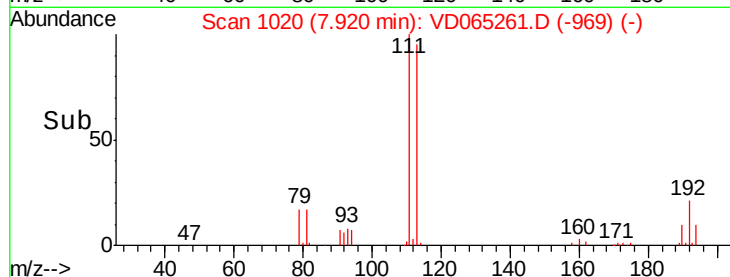
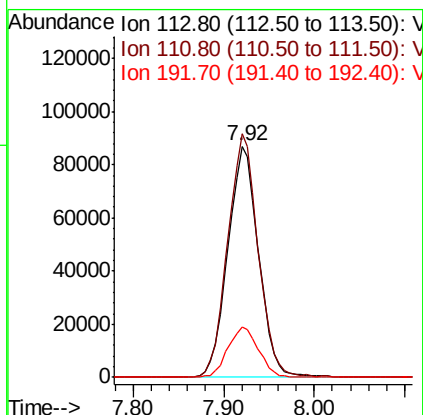
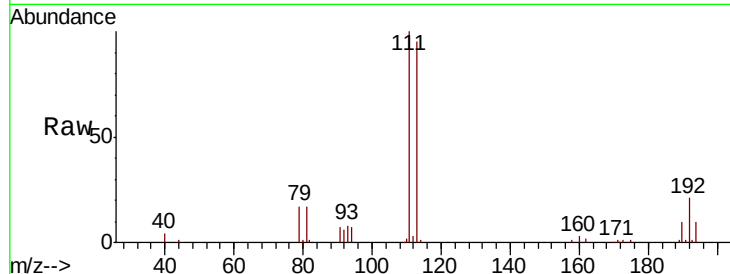




#35
 Dibromofluoromethane
 Concen: 55.414 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065261.D
 Acq: 20 Feb 2020 17:55

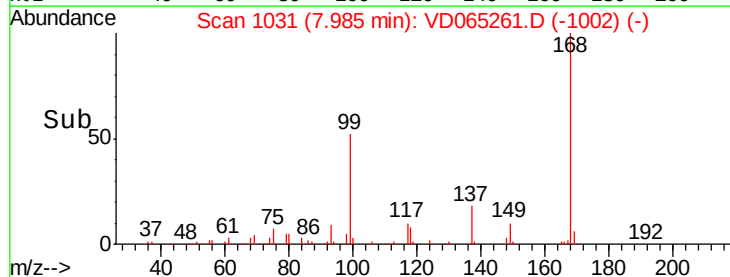
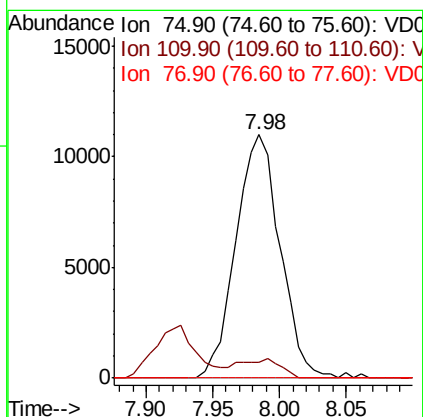
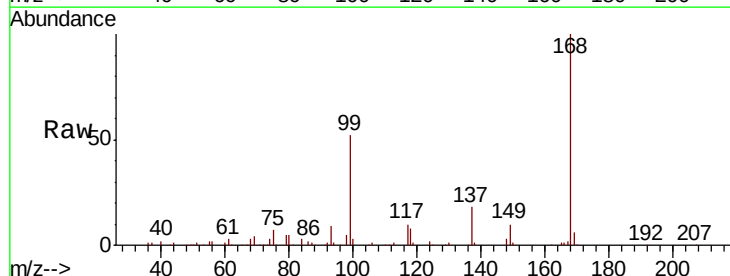
Instrument :
 MSVOA_D
 ClientSampleId :

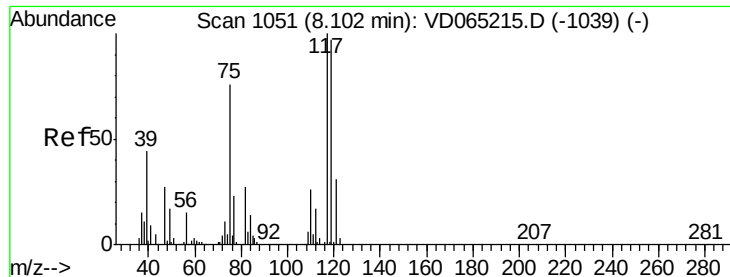
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	21.7	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.274 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065261.D
 Acq: 20 Feb 2020 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.7#
77	0.0	25.1	37.7#

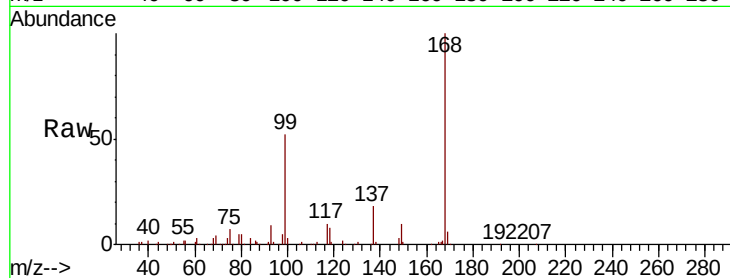




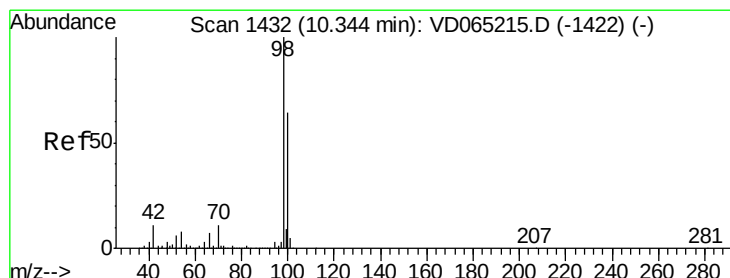
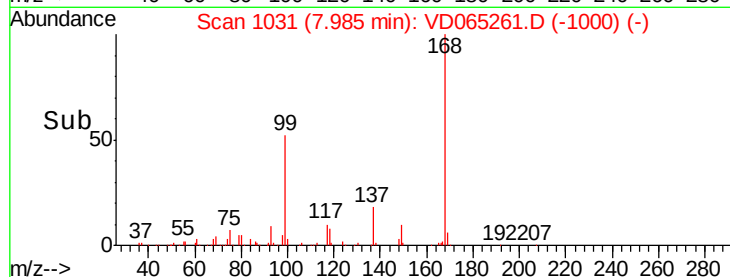
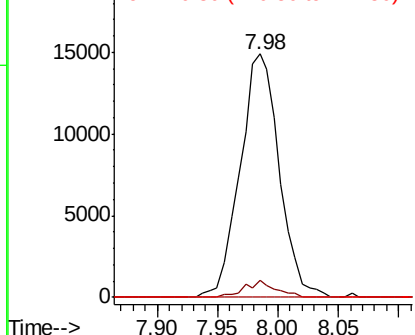
#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 33791
Ion Ratio Lower Upper
117 100
119 6.9 77.6 116.4#
121 0.0 24.8 37.2#

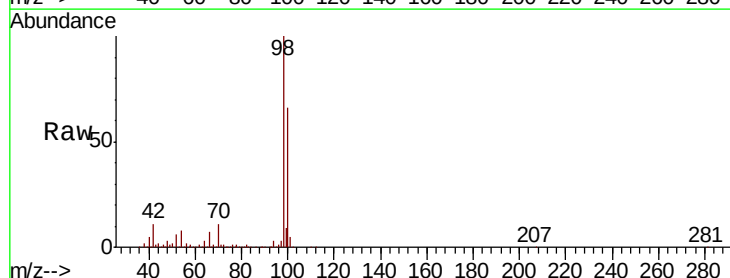


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

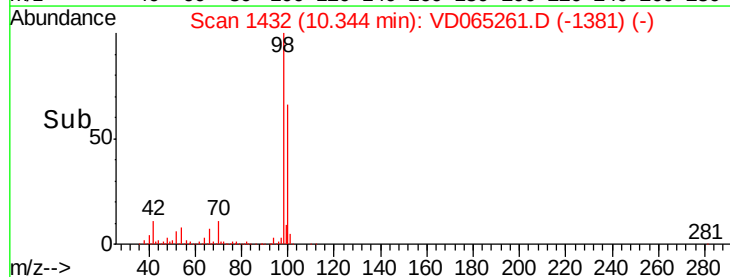
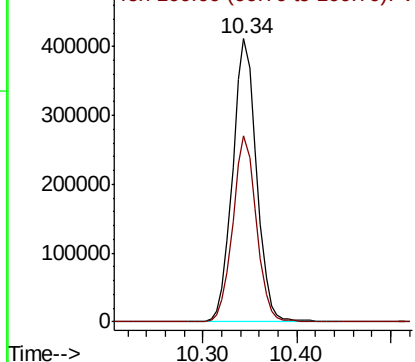


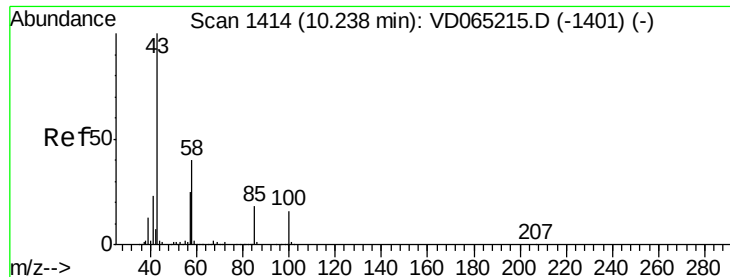
#50
Toluene-d8
Concen: 51.270 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

Tgt Ion: 98 Resp: 725210
Ion Ratio Lower Upper
98 100
100 64.8 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: 1.486 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065261.D

Acq: 20 Feb 2020 17:55

Instrument :

MSVOA_D

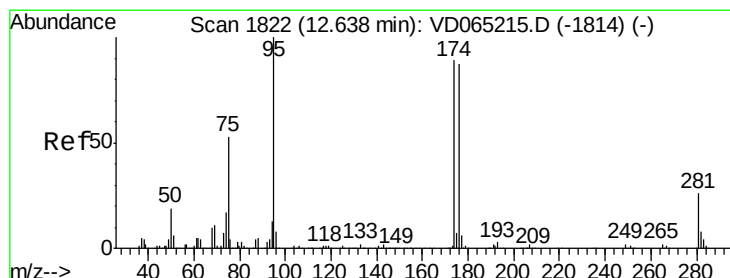
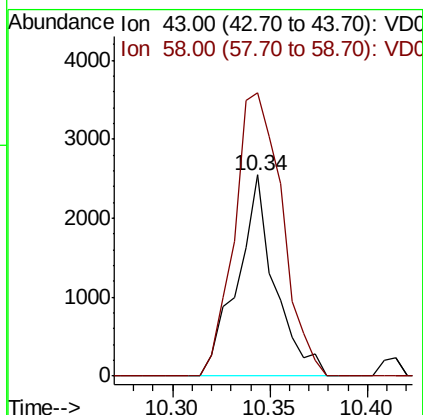
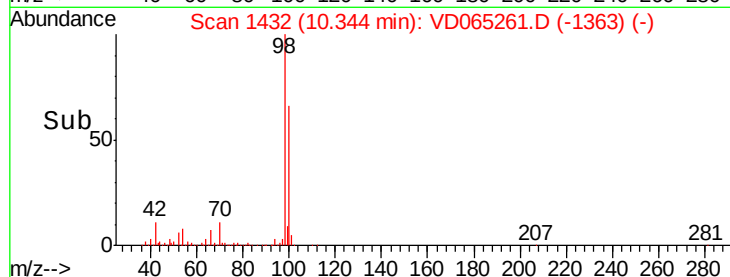
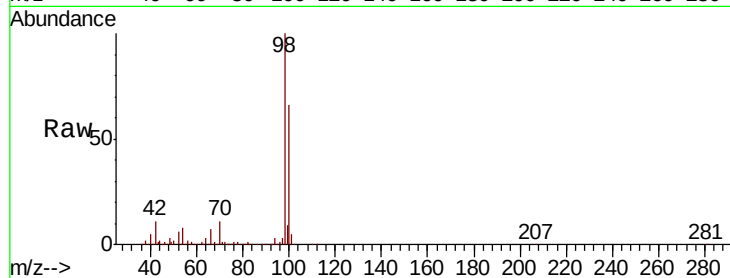
ClientSampleId :

Tot Ion: 43 Resp: 3387

Ion Ratio Lower Upper

43 100

58 179.5 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 48.476 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065261.D

Acq: 20 Feb 2020 17:55

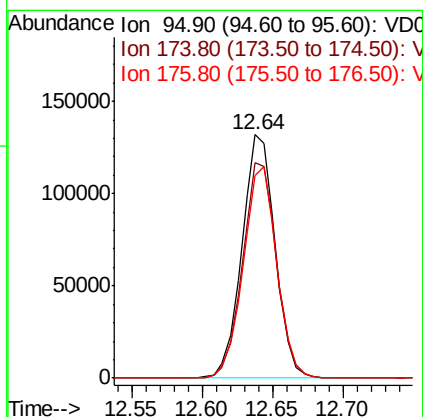
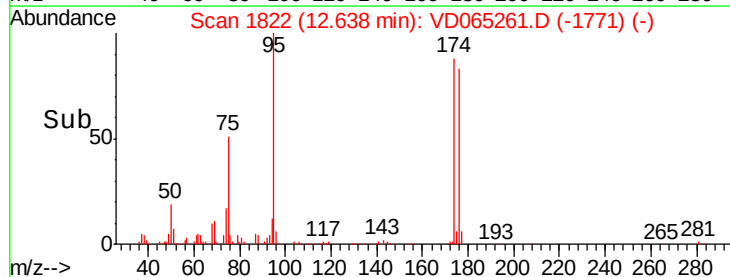
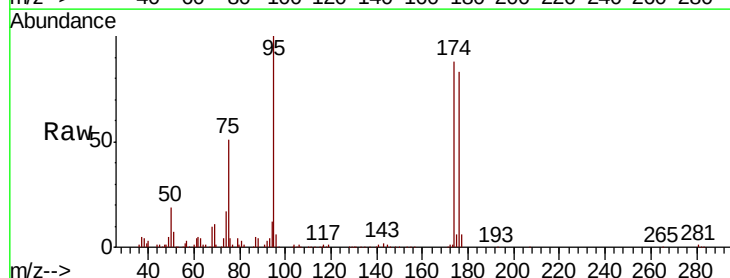
Tgt Ion: 95 Resp: 217223

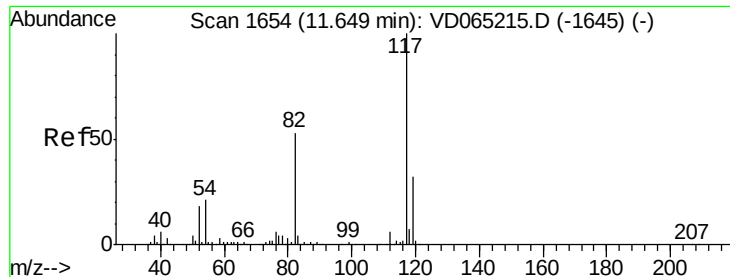
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.0

176 87.6 0.0 174.4

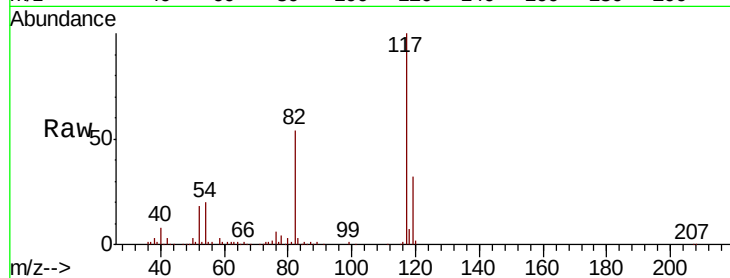




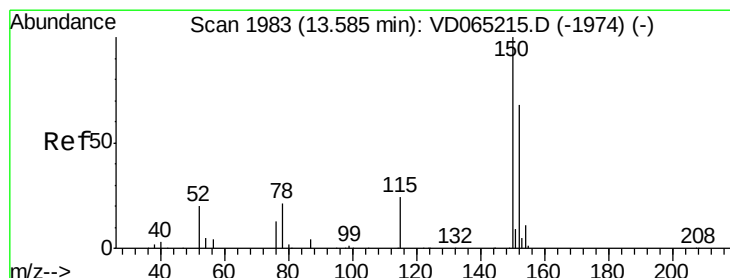
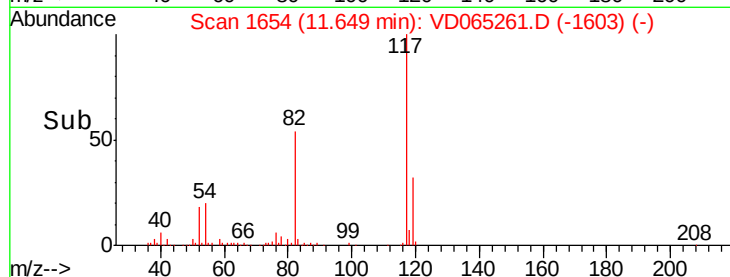
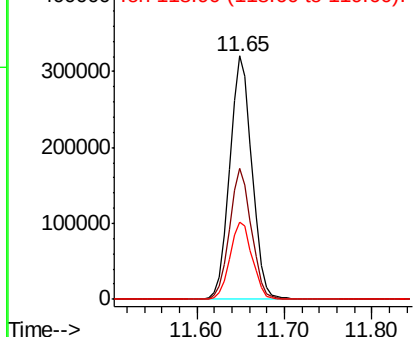
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 552996
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 31.9 25.5 38.3

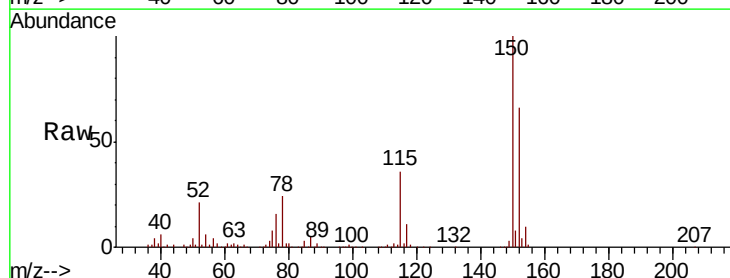


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

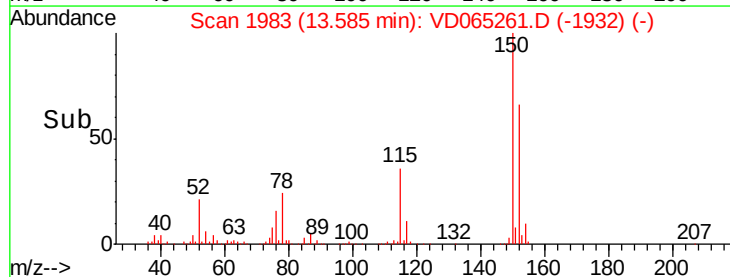
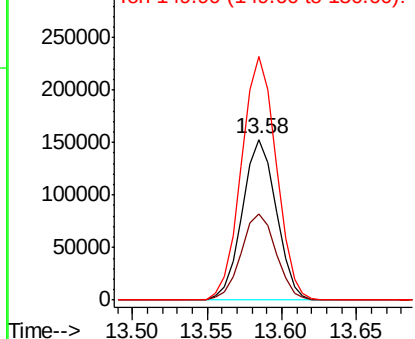


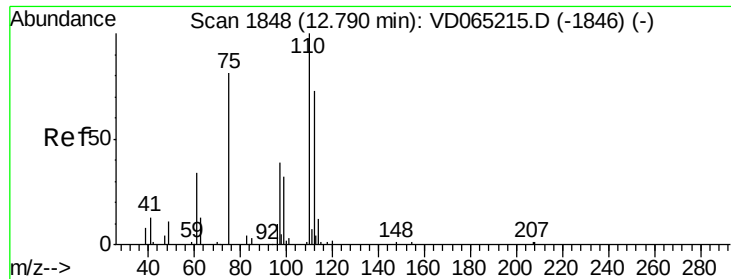
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065261.D
Acq: 20 Feb 2020 17:55

Tgt Ion:152 Resp: 241848
Ion Ratio Lower Upper
152 100
115 55.2 27.6 82.8
150 155.5 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: 53.016 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065261.D

Acq: 20 Feb 2020 17:55

Instrument :

MSVOA_D

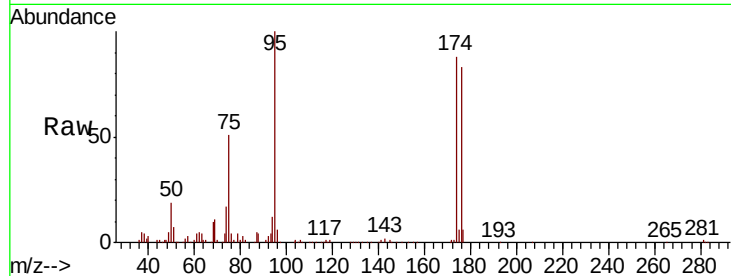
ClientSampleId :

Tot Ion: 75 Resp: 109092

Ion Ratio Lower Upper

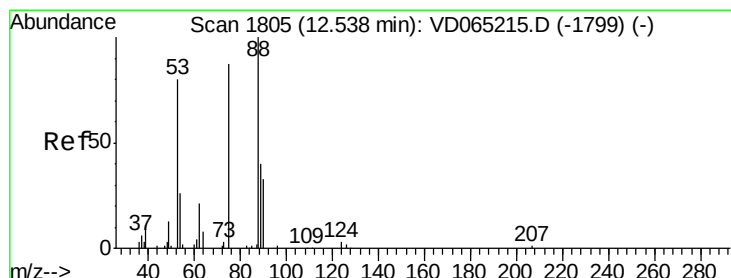
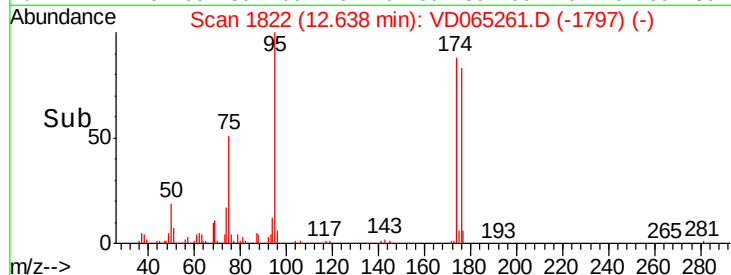
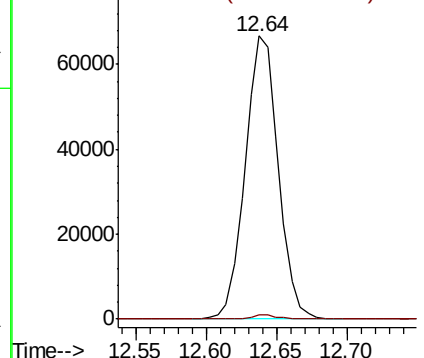
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 114.471 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065261.D

Acq: 20 Feb 2020 17:55

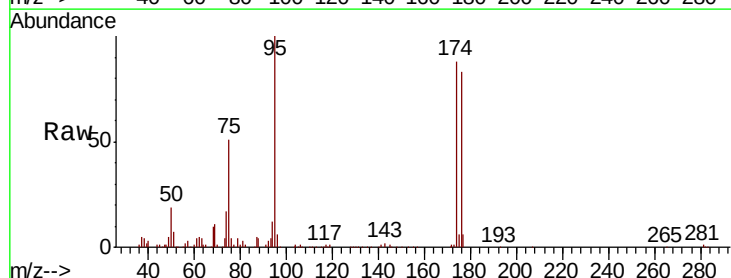
Tgt Ion: 75 Resp: 109092

Ion Ratio Lower Upper

75 100

53 0.2 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

