

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065332.D
 Acq On : 26 Feb 2020 17:13
 Operator : VA/SY
 Sample : L1688-04RE
 Misc : 6.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:03:24 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

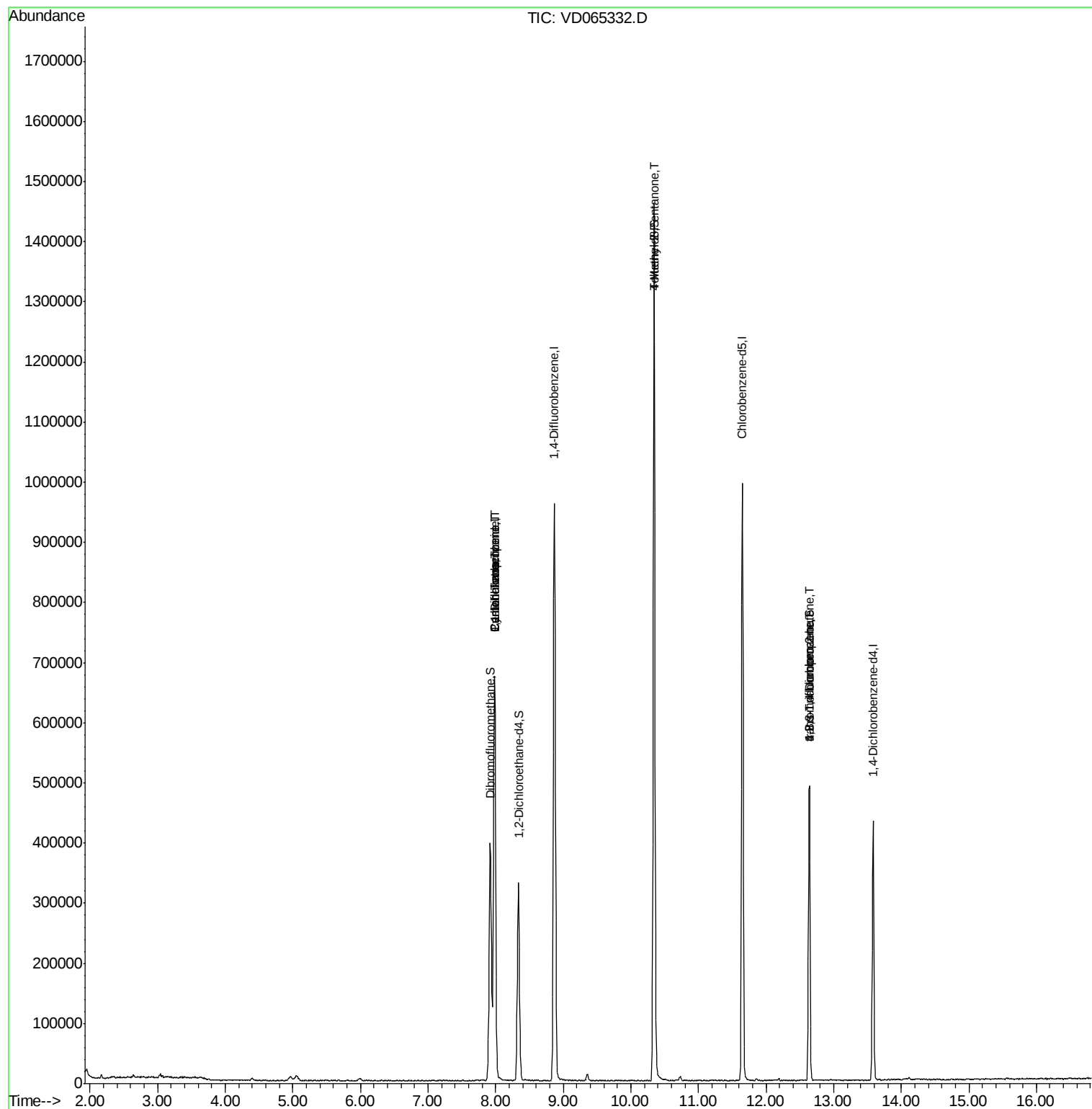
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	528200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	851167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	257809	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.92	113	286116	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
50) Toluene-d8	10.34	98	982750	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.64	95	158309	25.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.38%	
Target Compounds				Qvalue		
20) Methylene Chloride	4.98	84	5401	Below Cal	#	67
31) Cyclohexane	7.98	56	11600	1.242	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	36861	4.451	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50572	5.998	ug/l #	17
51) 4-Methyl-2-Pentanone	10.35	43	4391	1.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	80701	78.976	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	80701	170.522	ug/l #	11

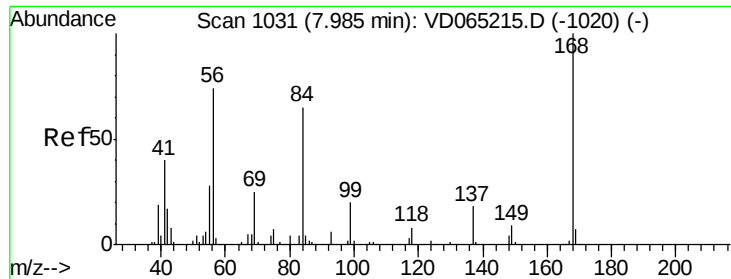
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065332.D

Acq: 26 Feb 2020 17:13

Instrument :

MSVOA_D

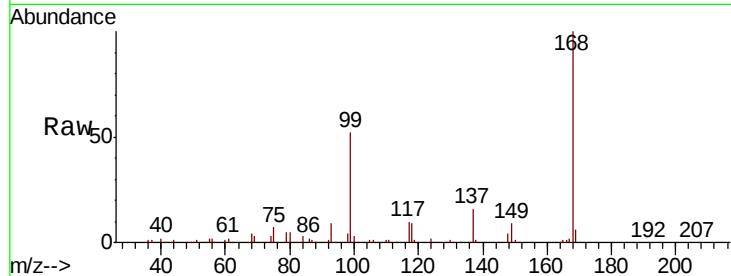
ClientSampleId :

Tot Ion:168 Resp: 528200

Ion Ratio Lower Upper

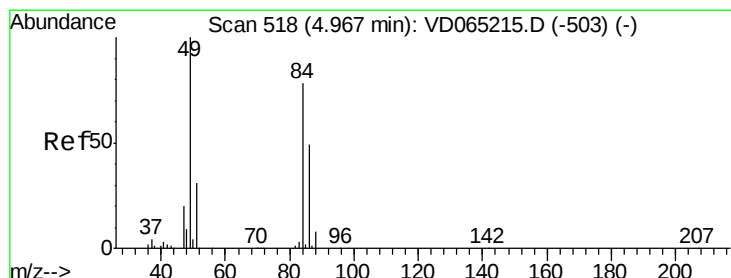
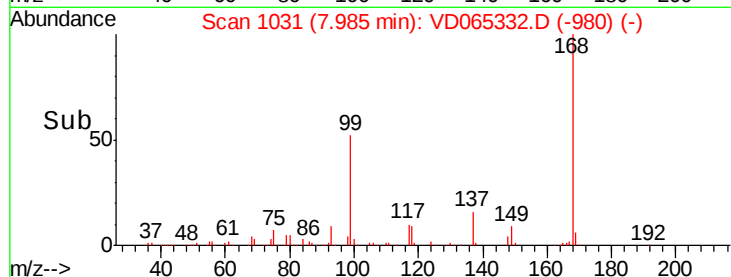
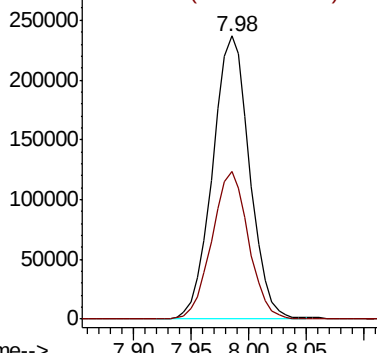
168 100

99 52.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD065332.D

Acq: 26 Feb 2020 17:13

Tgt Ion: 84 Resp: 5401

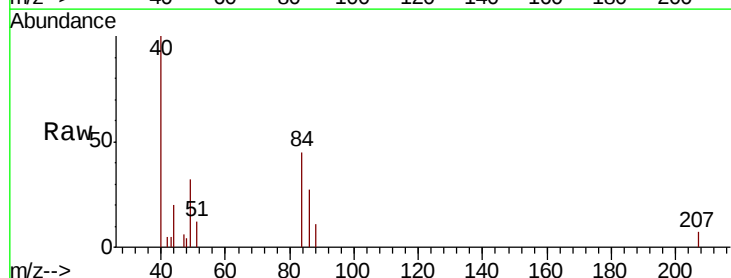
Ion Ratio Lower Upper

84 100

49 70.7 103.1 154.7#

51 25.3 31.7 47.5#

86 59.4 50.9 76.3

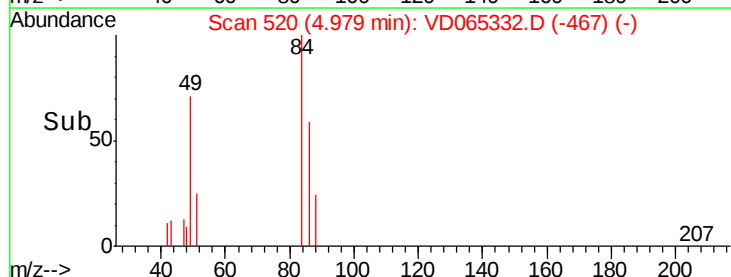
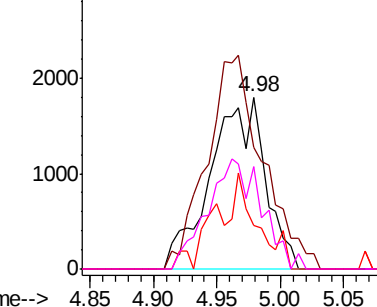


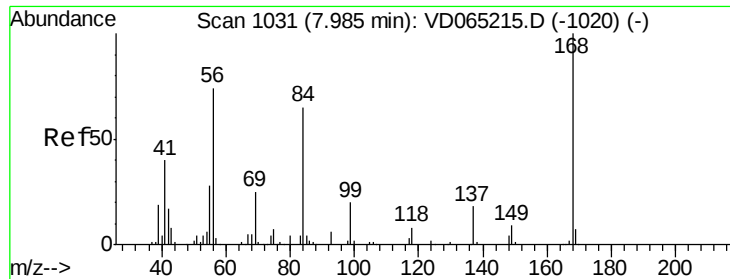
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

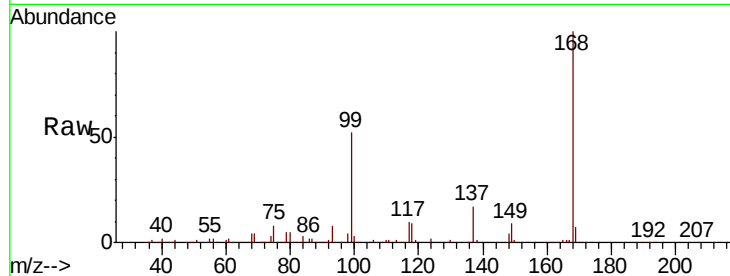




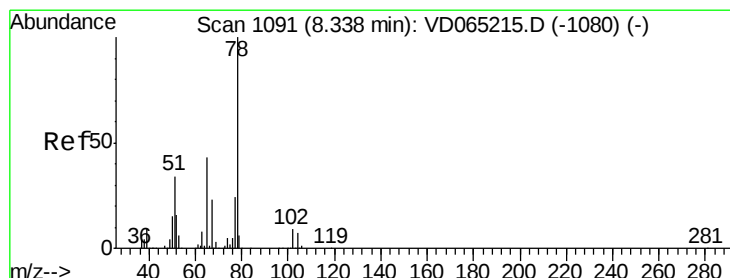
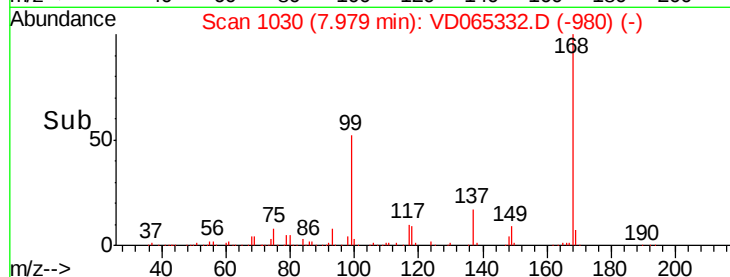
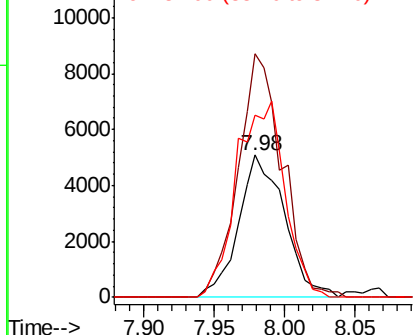
#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 11600
Ion Ratio Lower Upper
56 100
69 171.5 27.4 41.0#
84 128.0 71.1 106.7#

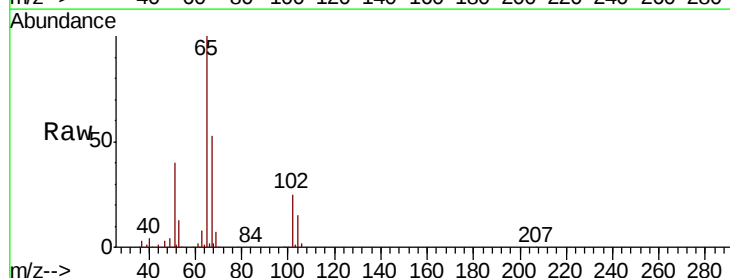


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

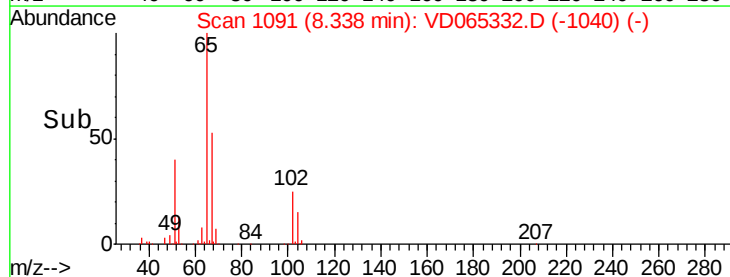
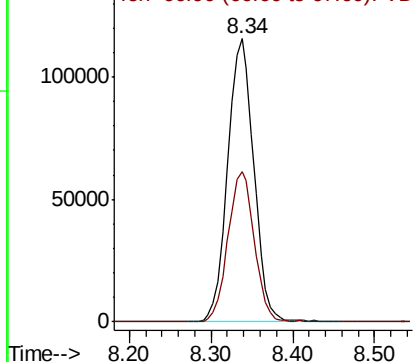


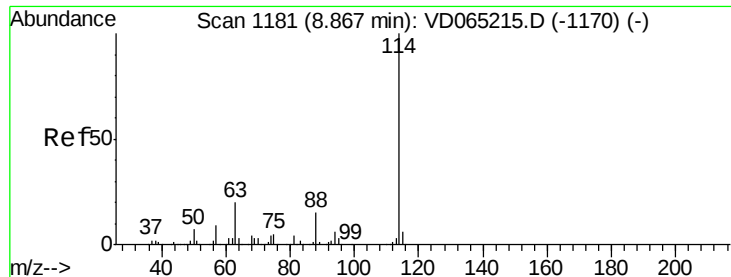
#33
1,2-Dichloroethane-d4
Concen: 54.256 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

Tgt Ion: 65 Resp: 257809
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# 1181

Delta R.T. -0.00 min

Lab File: VD065332.D

Acq: 26 Feb 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

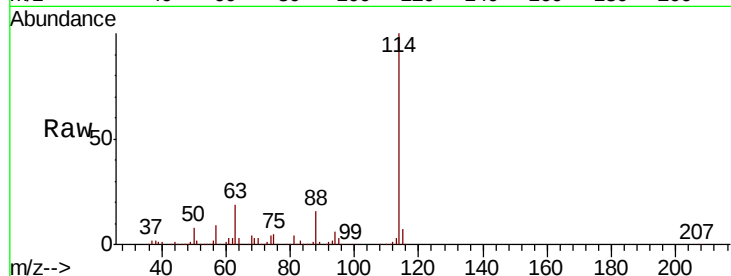
Tot Ion:114 Resp: 851167

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

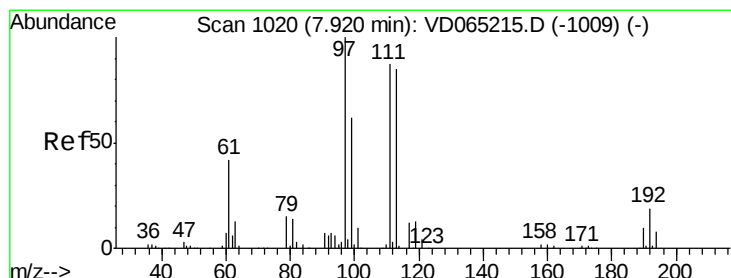
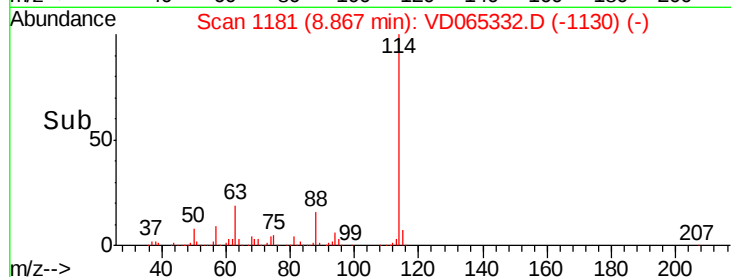
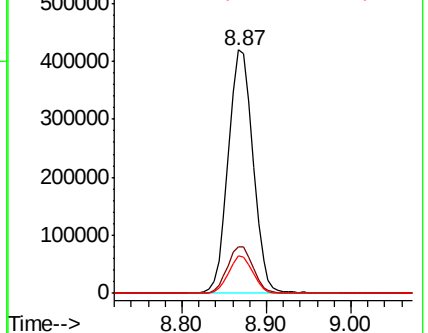
88 15.5 0.0 30.4



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: 55.129 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065332.D

Acq: 26 Feb 2020 17:13

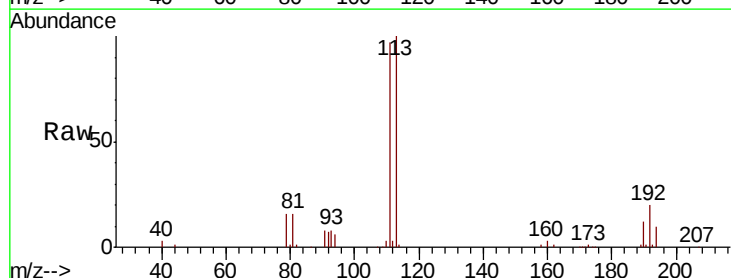
Tgt Ion:113 Resp: 286116

Ion Ratio Lower Upper

113 100

111 100.9 82.9 124.3

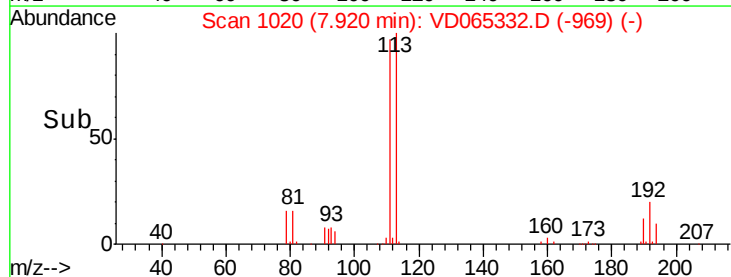
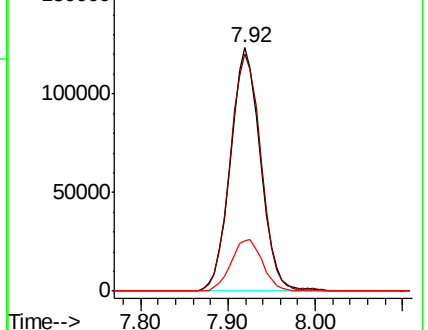
192 22.2 17.3 25.9

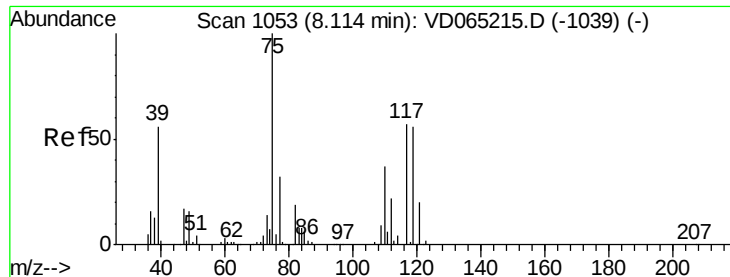


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

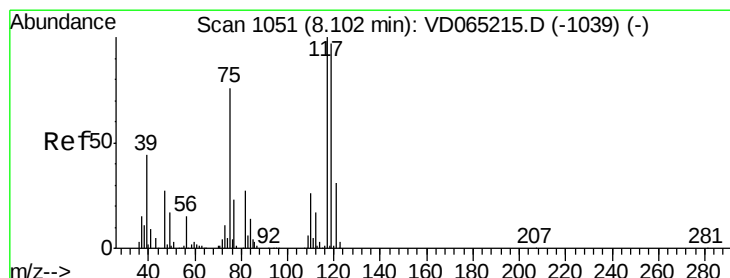
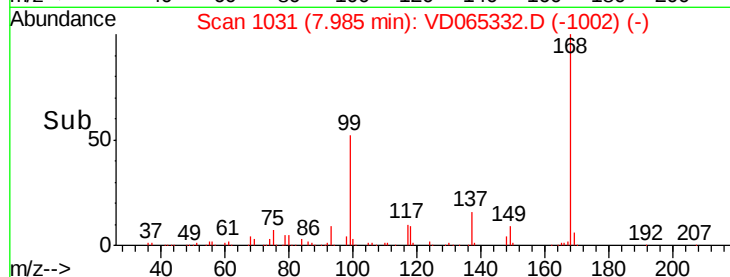
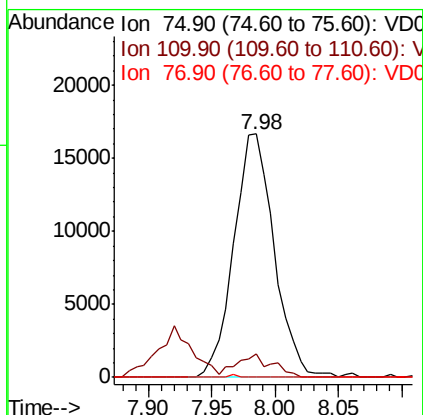
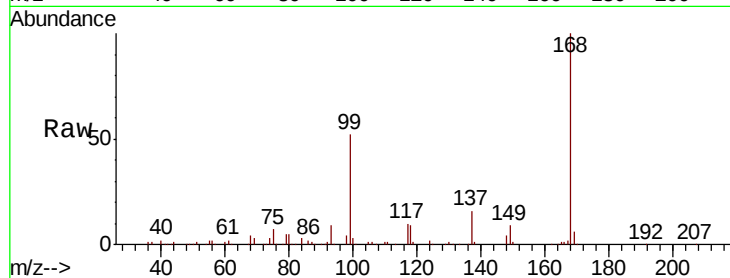




#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065332.D
 Acq: 26 Feb 2020 17:13

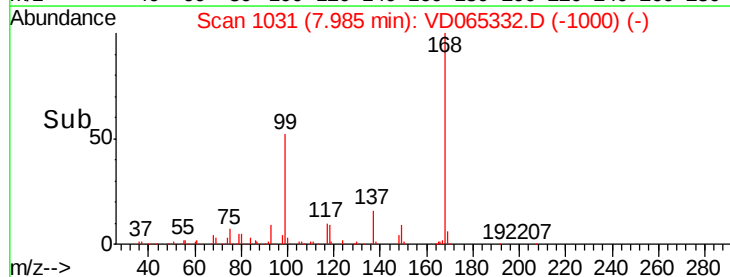
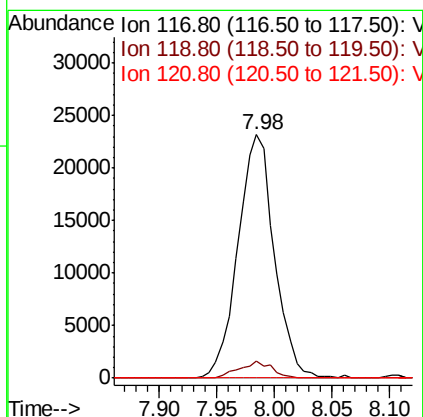
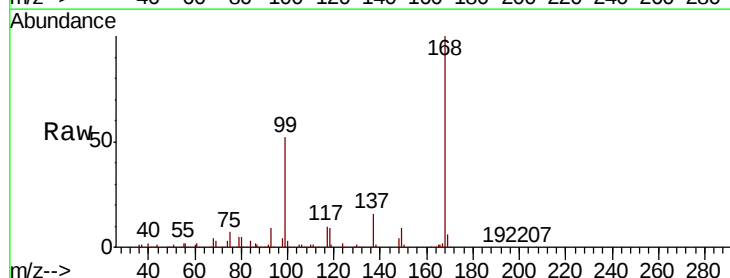
Instrument :
 MSVOA_D
 ClientSampled :

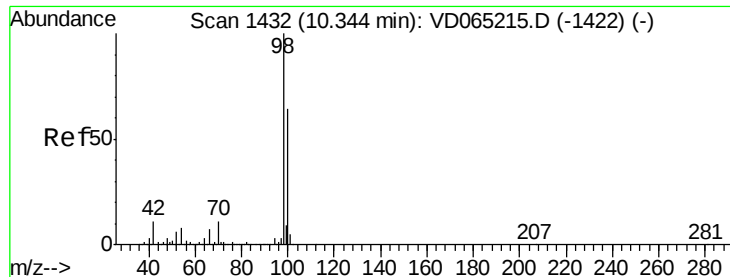
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.998 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065332.D
 Acq: 26 Feb 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	77.6	116.4#
121	0.0	24.8	37.2#

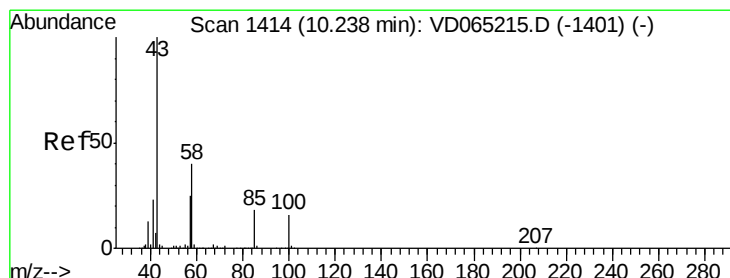
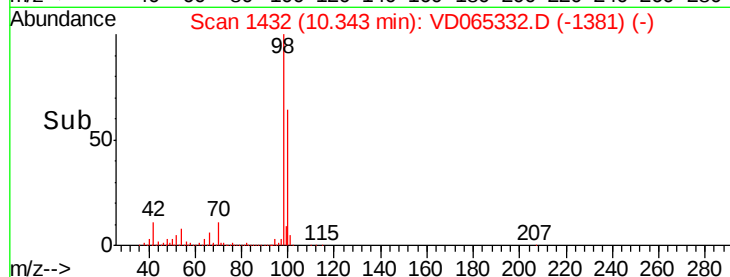
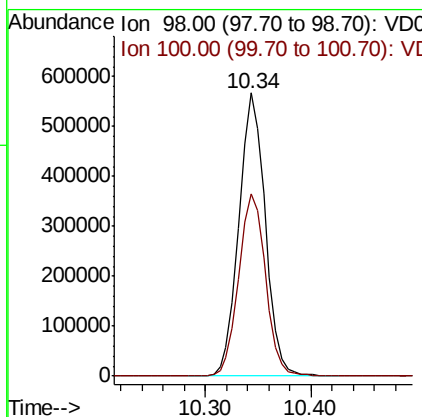
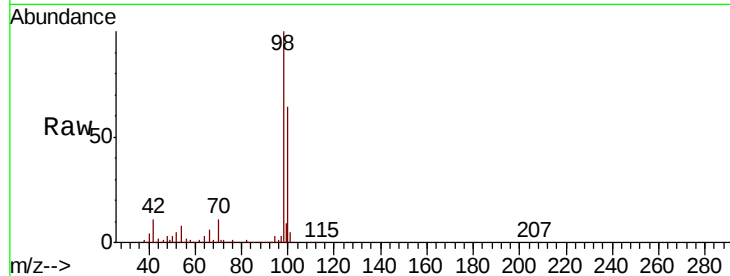




#50
Toluene-d8
Concen: 49.532 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

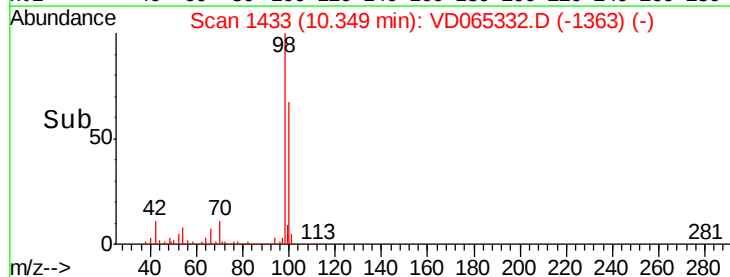
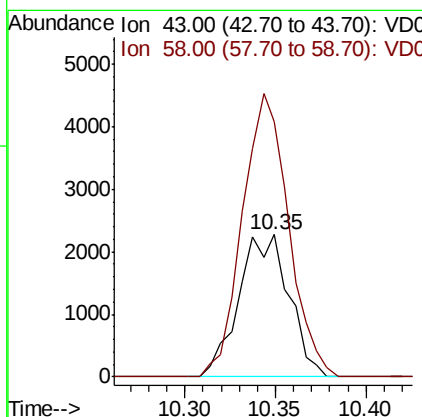
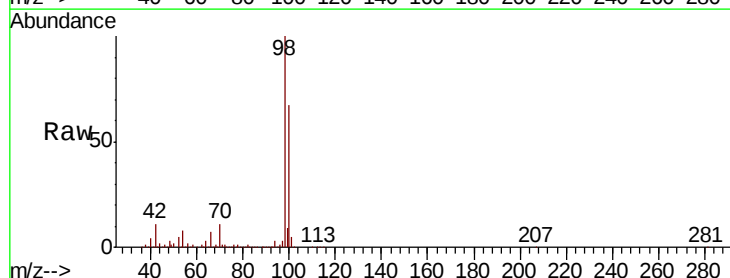
Instrument :
MSVOA_D
ClientSampleId :

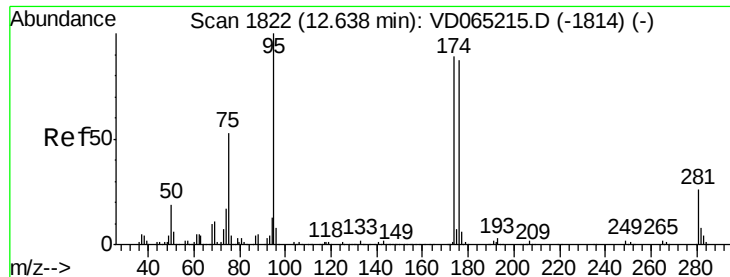
Tot Ion: 98 Resp: 982750
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.373 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

Tgt Ion: 43 Resp: 4391
Ion Ratio Lower Upper
43 100
58 183.1 31.1 46.7#

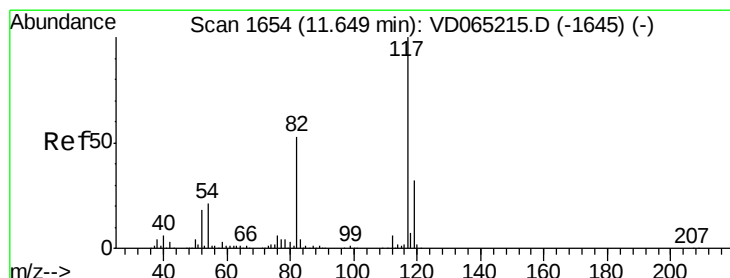
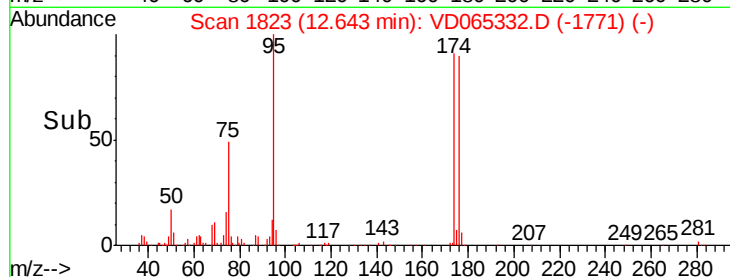
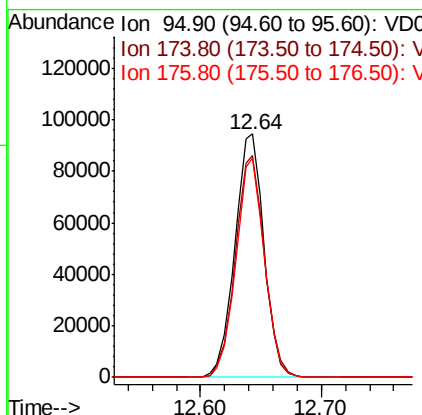
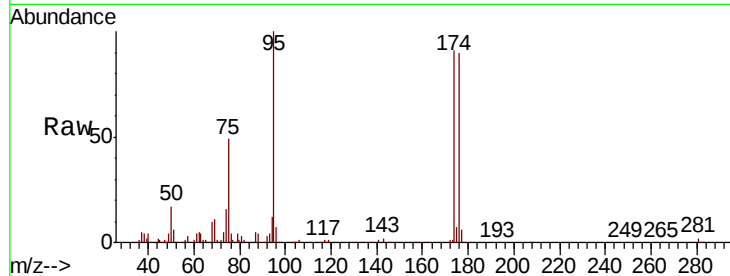




#62
4-Bromofluorobenzene
Concen: 25.187 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

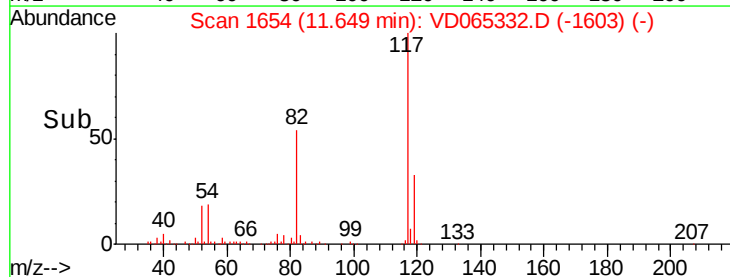
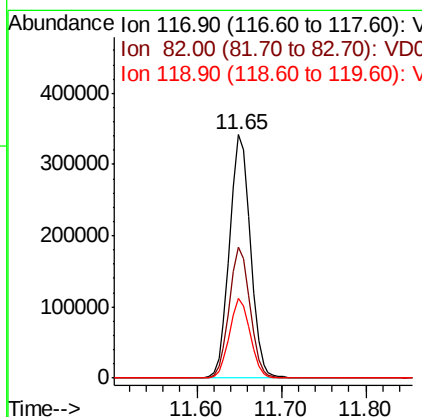
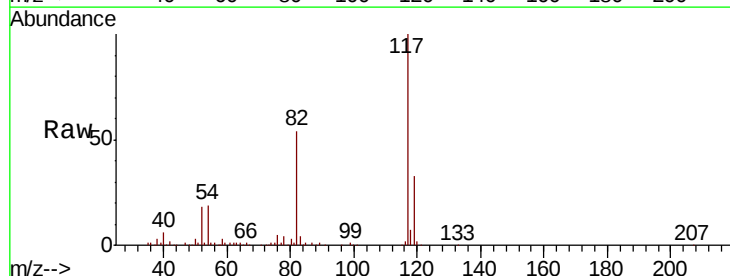
Instrument :
MSVOA_D
ClientSampleId :

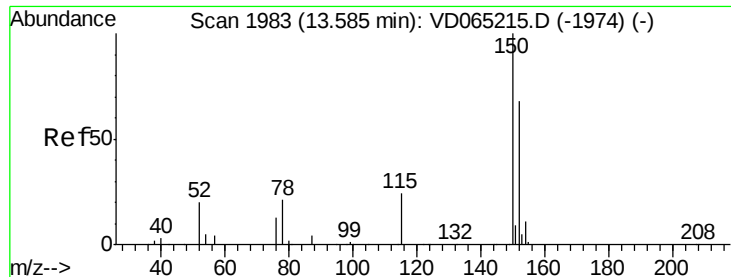
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	178.0
176	88.0	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065332.D
Acq: 26 Feb 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.7	64.1
119	32.6	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065332.D

Acq: 26 Feb 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

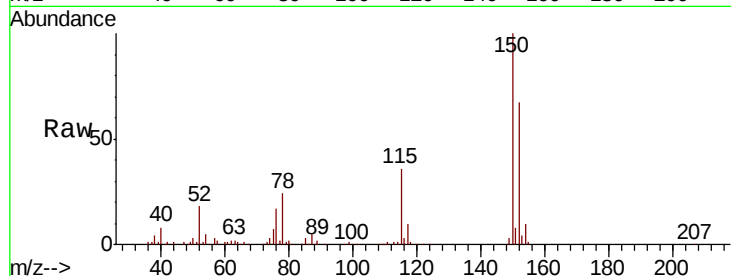
Tot Ion:152 Resp: 120100

Ion Ratio Lower Upper

152 100

115 55.4 27.6 82.8

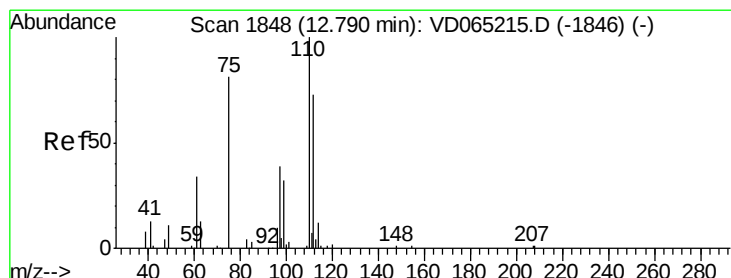
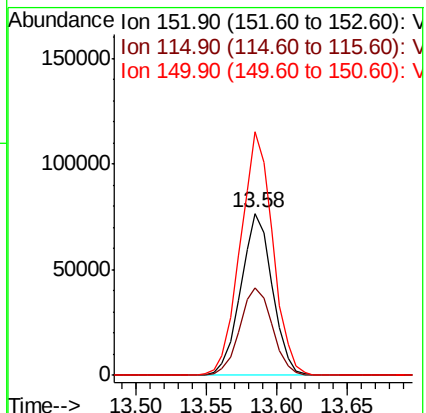
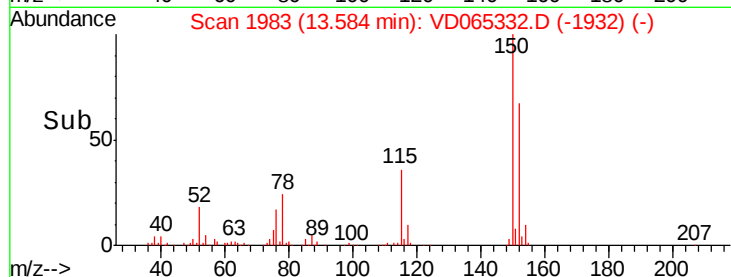
150 153.8 0.0 347.4



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: 78.976 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065332.D

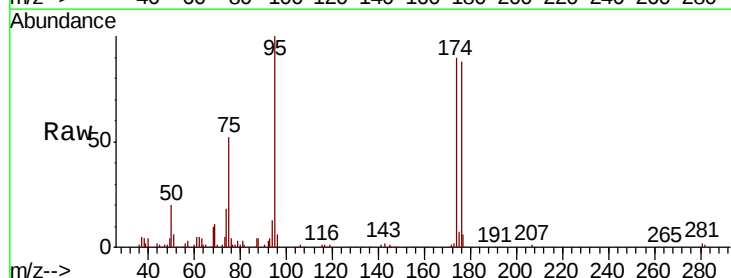
Acq: 26 Feb 2020 17:13

Tgt Ion: 75 Resp: 80701

Ion Ratio Lower Upper

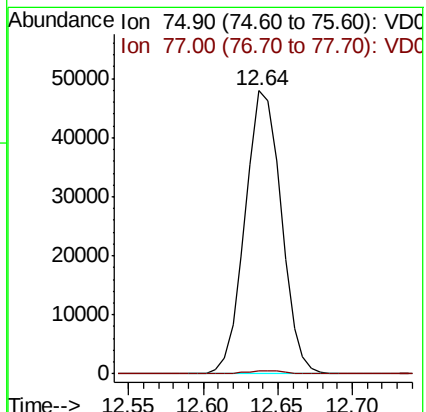
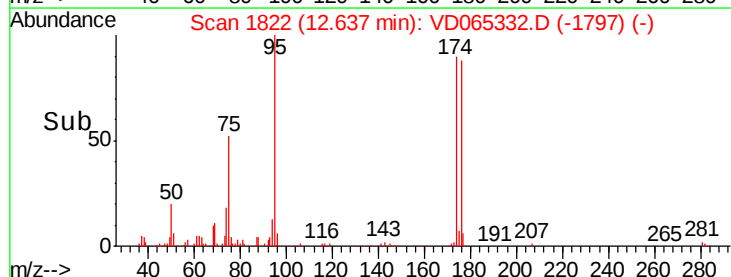
75 100

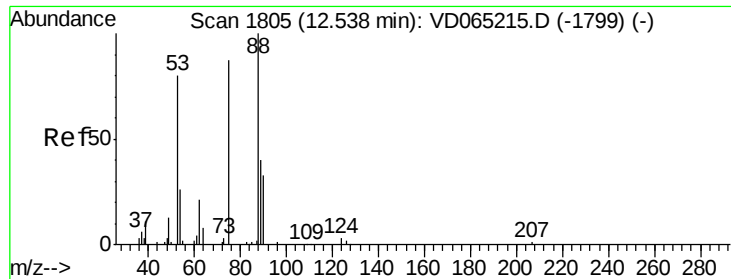
77 1.1 0.0 0.0#



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: 170.522 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065332.D

Acq: 26 Feb 2020 17:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 80701

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#

