

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065296.D
 Acq On : 24 Feb 2020 15:56
 Operator : VA/SY
 Sample : L1635-15
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:23:53 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

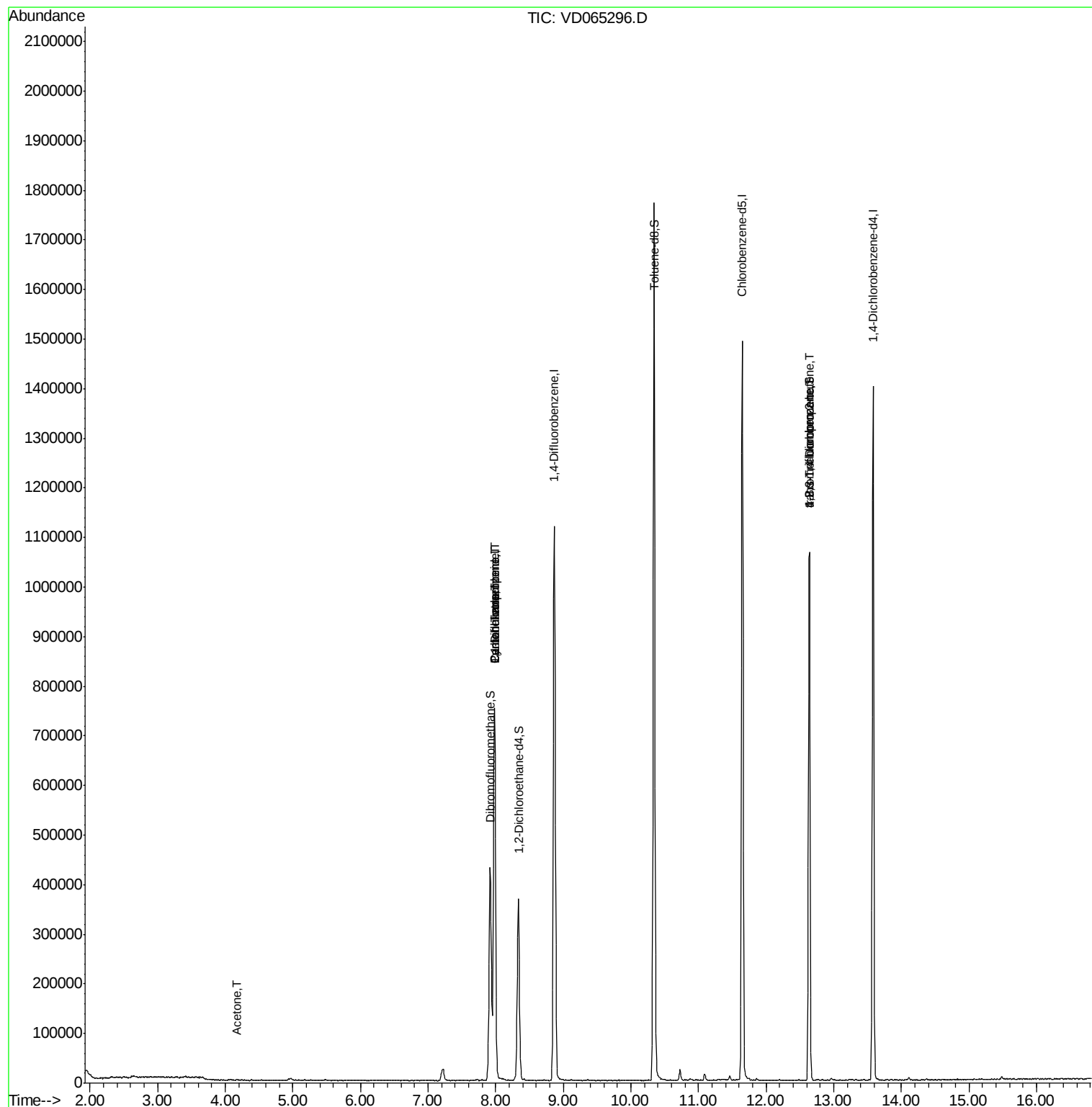
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	591643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	985495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381386	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	288130	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.92	113	309368	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	1198180	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.64	95	344143	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	1455	1.118	ug/l #	85
20) Methylene Chloride	4.97	84	3408	Below Cal	#	91
31) Cyclohexane	7.98	56	11778	1.125	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	41314	4.309	ug/l #	49
38) Carbon Tetrachloride	7.98	117	55919	5.729	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	168029	51.782	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	168029	111.806	ug/l #	11

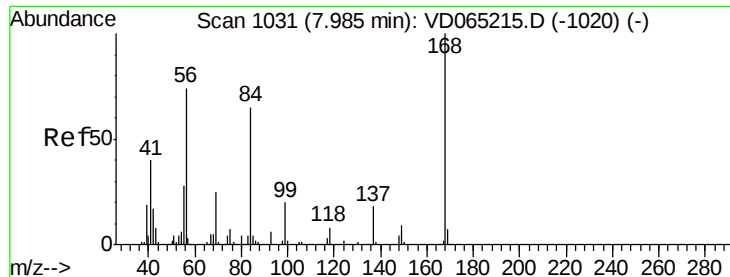
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065296.D

Acq: 24 Feb 2020 15:56

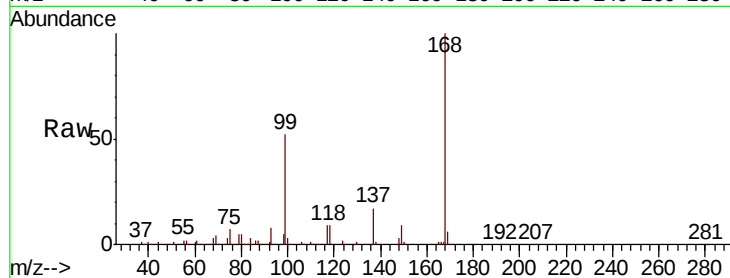
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 591643

Ion Ratio Lower Upper

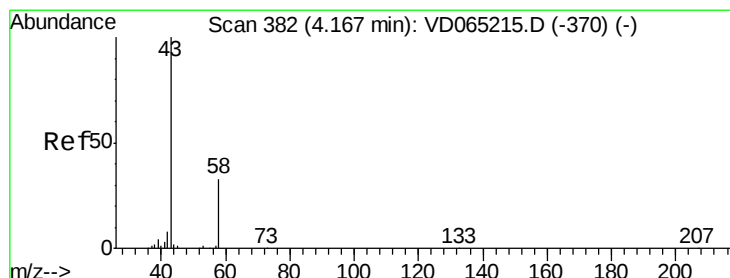
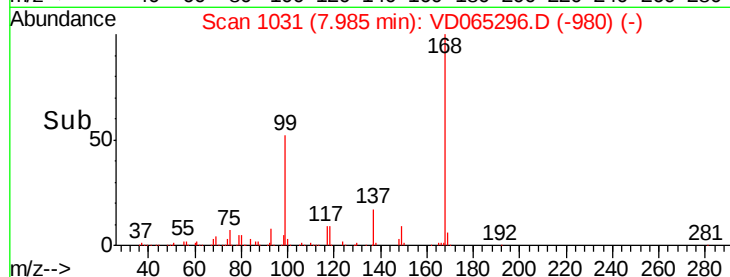
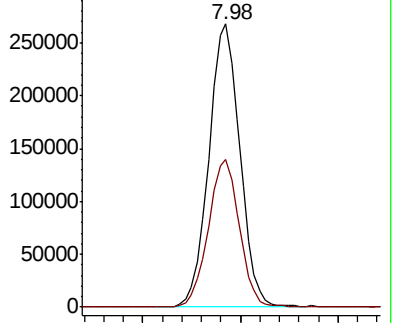
168 100

99 52.0 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: 1.118 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065296.D

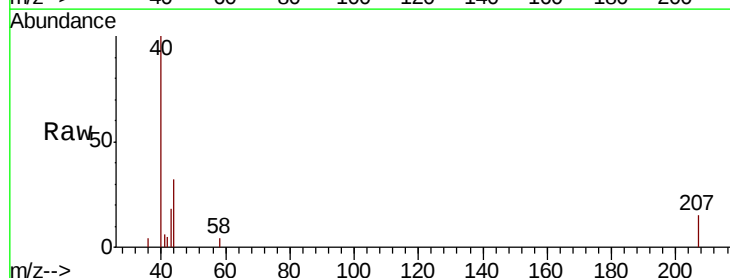
Acq: 24 Feb 2020 15:56

Tgt Ion: 43 Resp: 1455

Ion Ratio Lower Upper

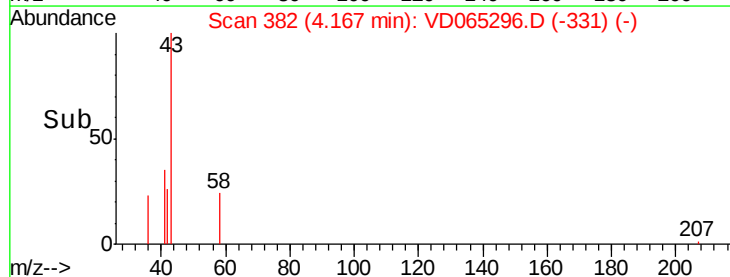
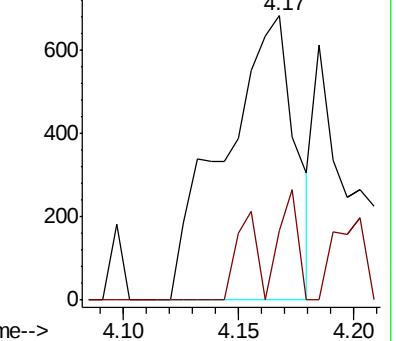
43 100

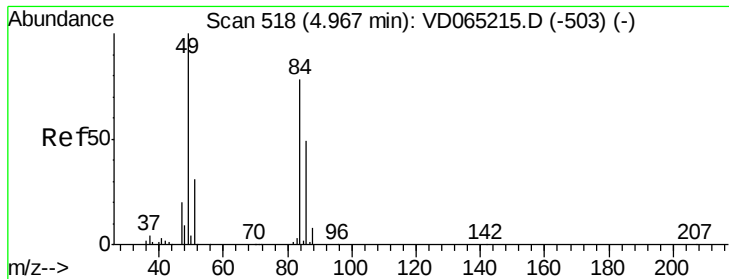
58 24.4 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

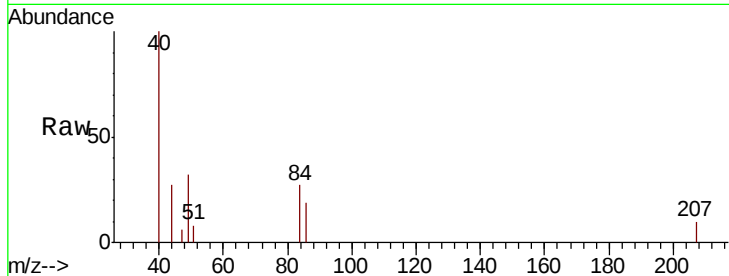




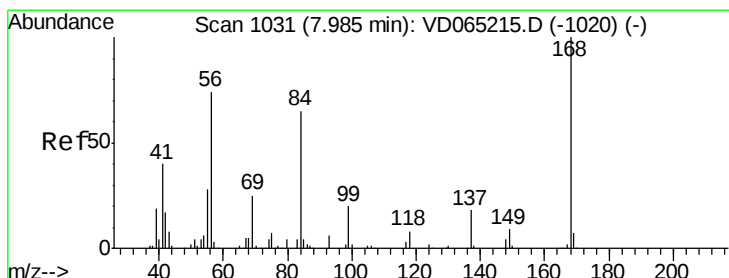
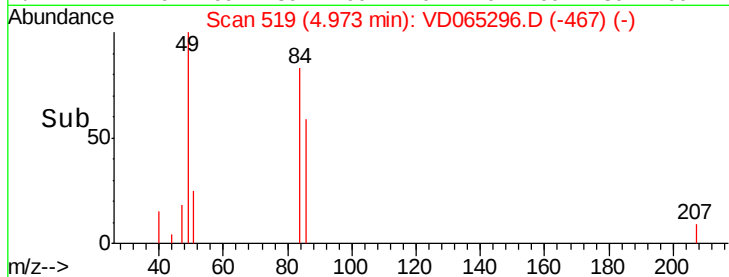
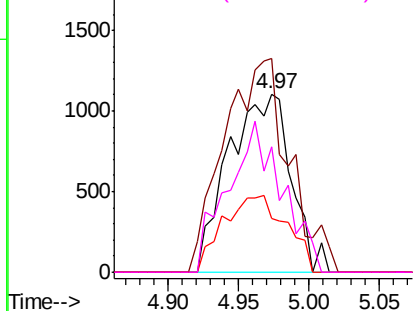
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 3408
Ion Ratio Lower Upper
84 100
49 120.0 103.1 154.7
51 30.1 31.7 47.5#
86 70.8 50.9 76.3

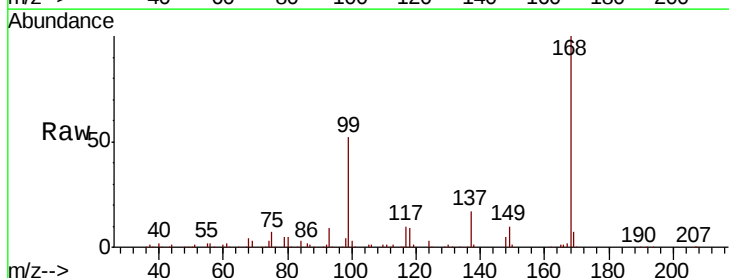


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

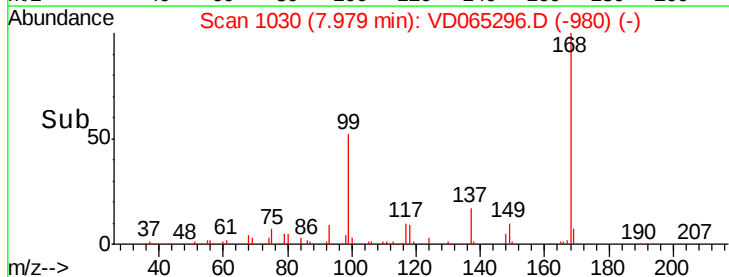
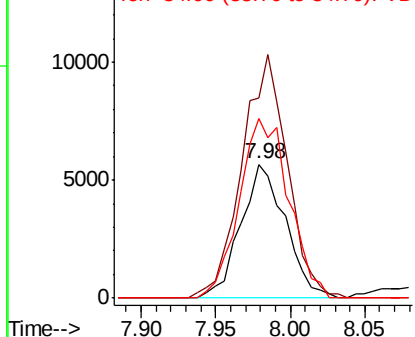


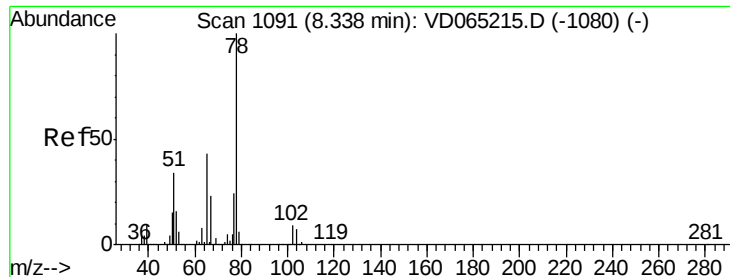
#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Tgt Ion: 56 Resp: 11778
Ion Ratio Lower Upper
56 100
69 149.5 27.4 41.0#
84 133.9 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: 54.134 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

Instrument :

MSVOA_D

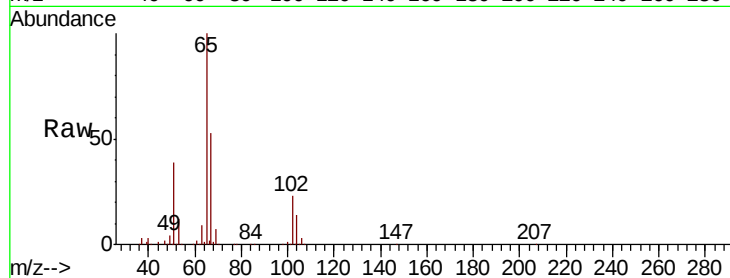
ClientSampleId :

Tot Ion: 65 Resp: 288130

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

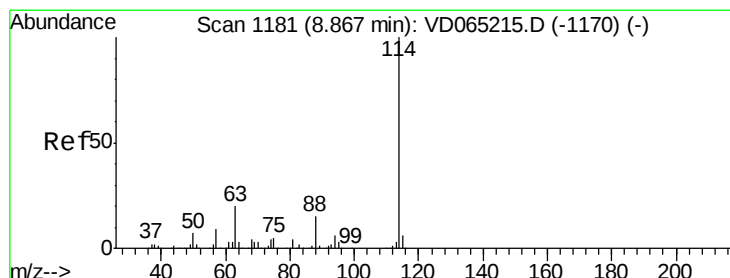
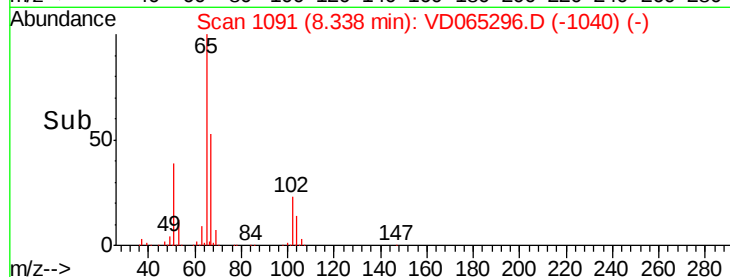
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

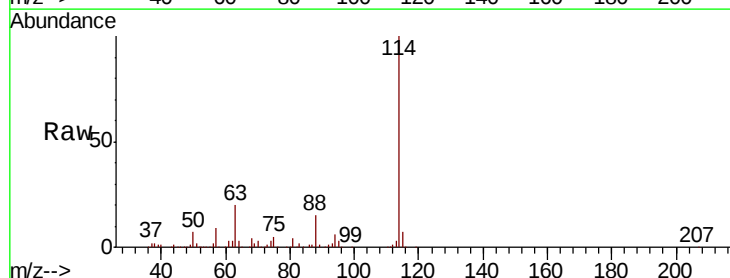
Tgt Ion: 114 Resp: 985495

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

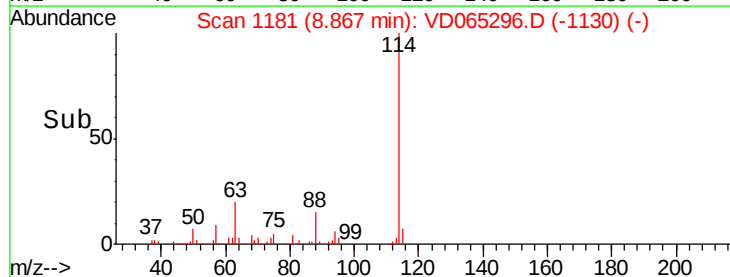
600000

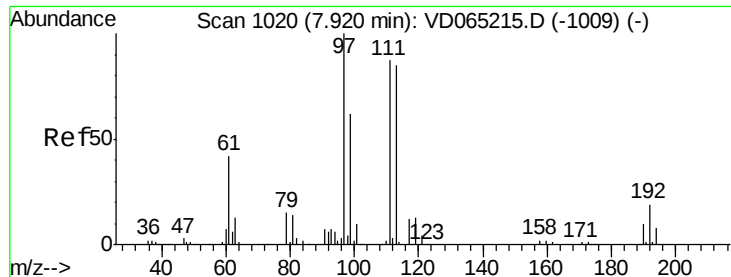
400000

200000

0

Time--> 8.80 8.90 9.00

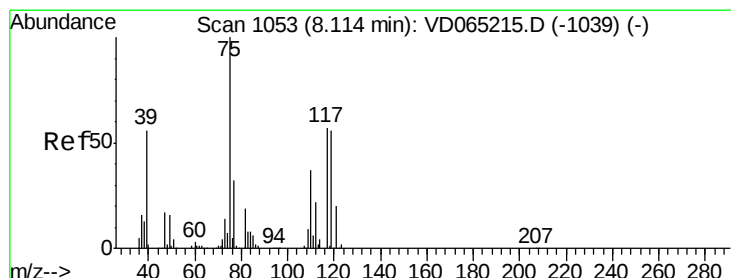
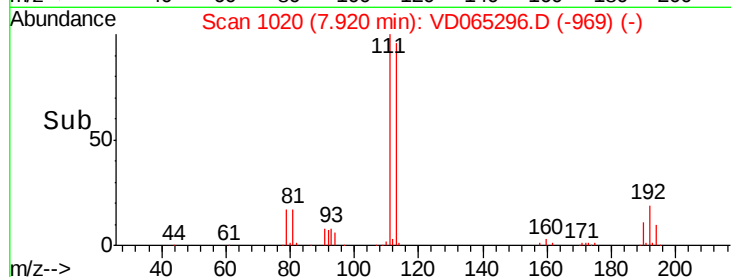
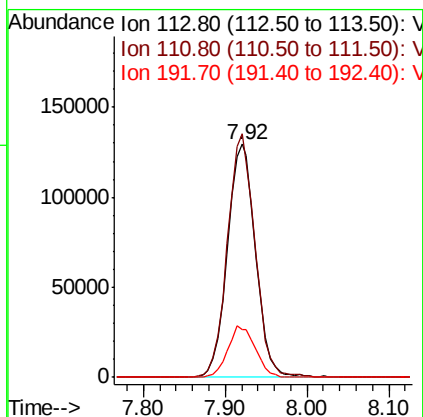
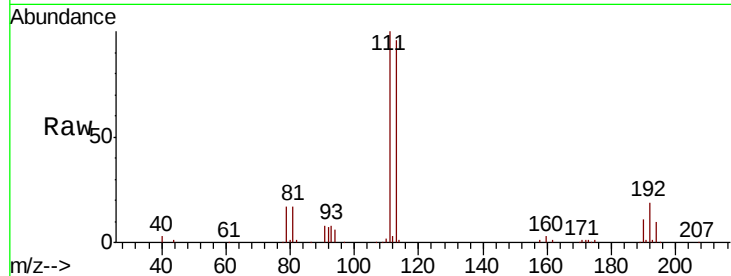




#35
Dibromofluoromethane
Concen: 51.484 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

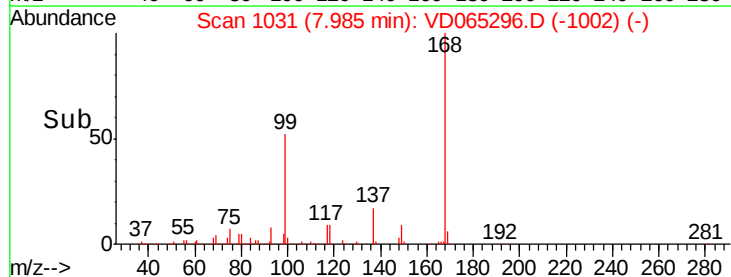
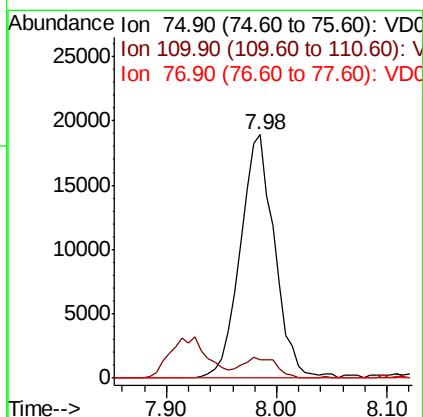
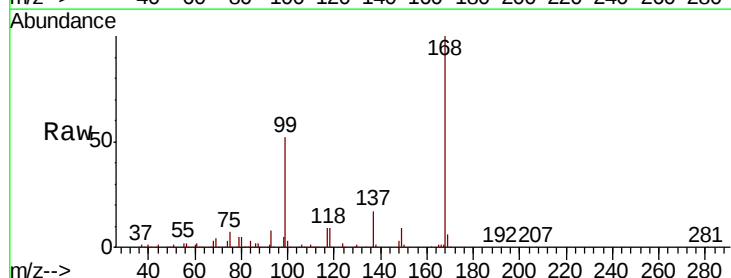
Instrument :
MSVOA_D
ClientSampleId :

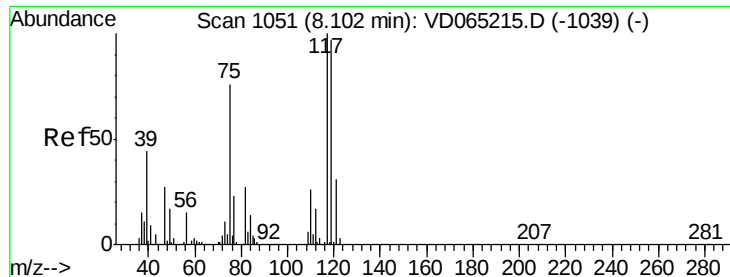
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	21.6	17.3	25.9



#36
1,1-Dichloropropene
Concen: 4.309 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.7#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

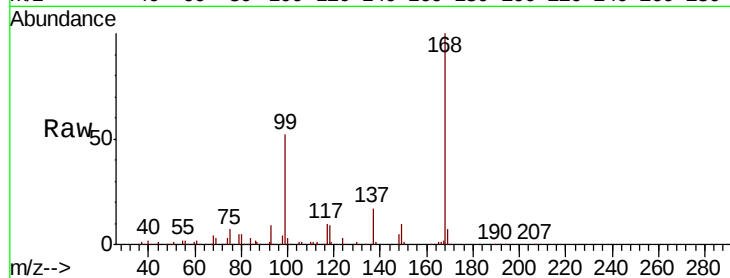
Tot Ion:117 Resp: 55919

Ion Ratio Lower Upper

117 100

119 6.6 77.6 116.4#

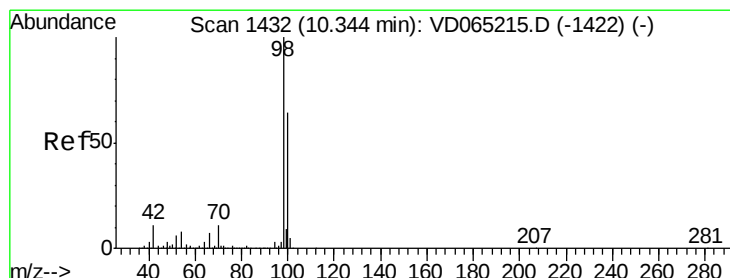
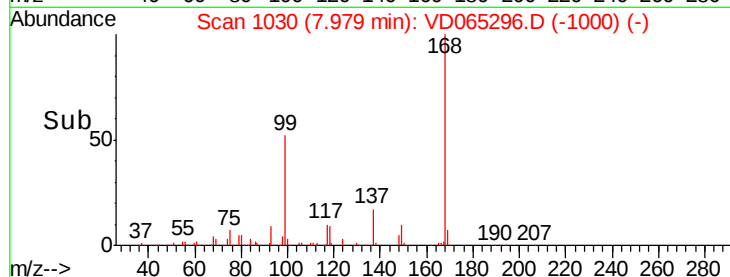
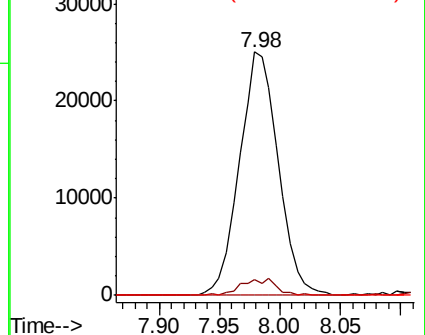
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 52.159 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065296.D

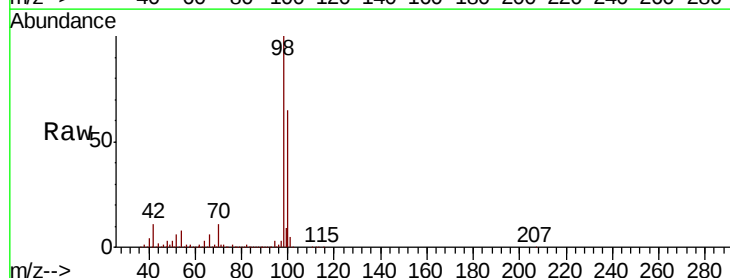
Acq: 24 Feb 2020 15:56

Tgt Ion: 98 Resp: 1198180

Ion Ratio Lower Upper

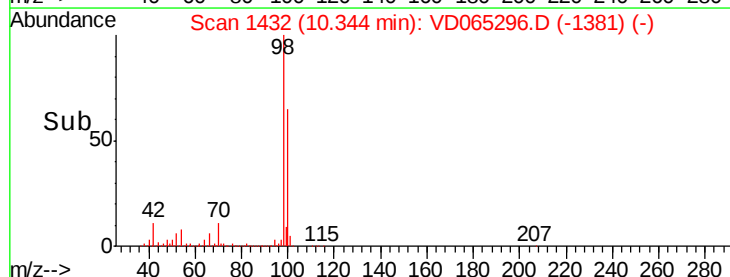
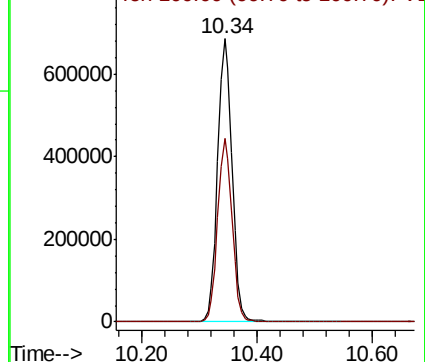
98 100

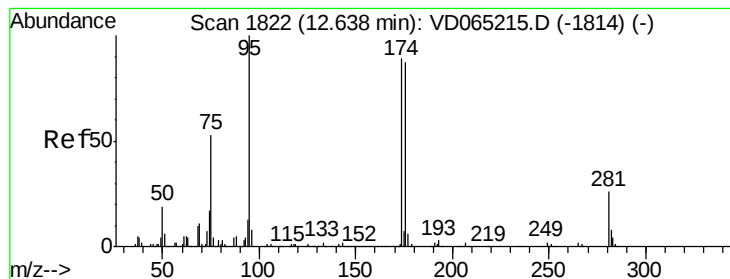
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.290 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

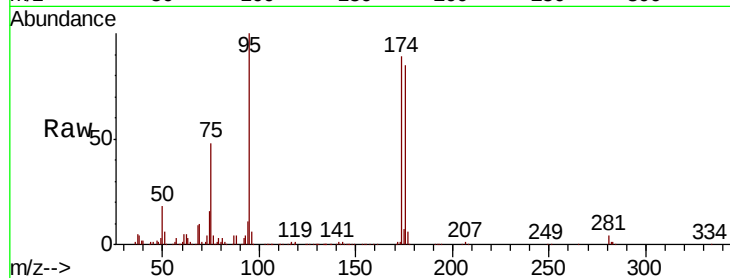
Tot Ion: 95 Resp: 344143

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

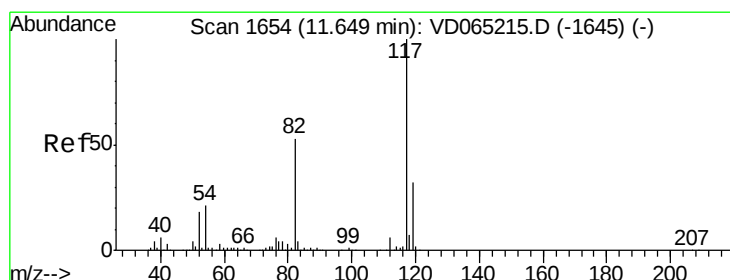
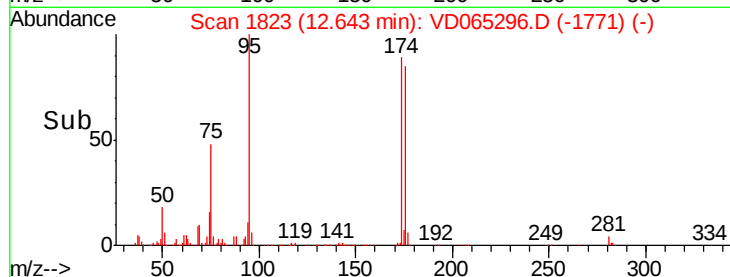
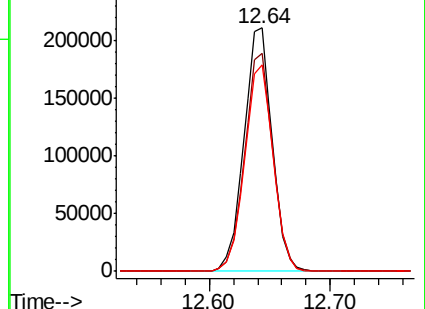
176 85.6 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

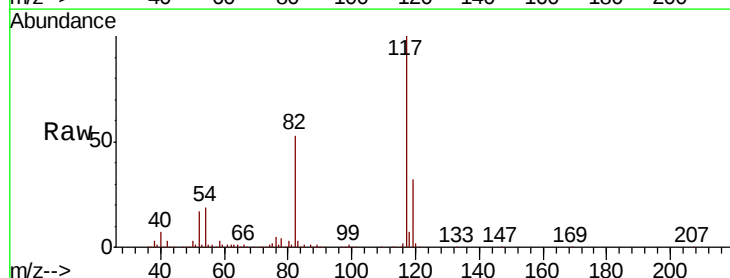
Tgt Ion: 117 Resp: 870301

Ion Ratio Lower Upper

117 100

82 53.1 42.7 64.1

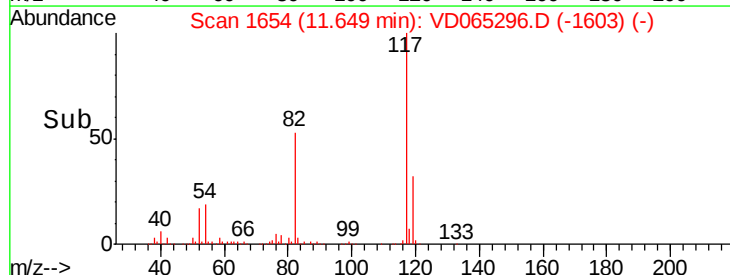
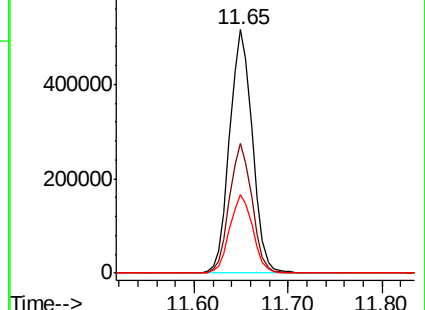
119 32.4 25.5 38.3

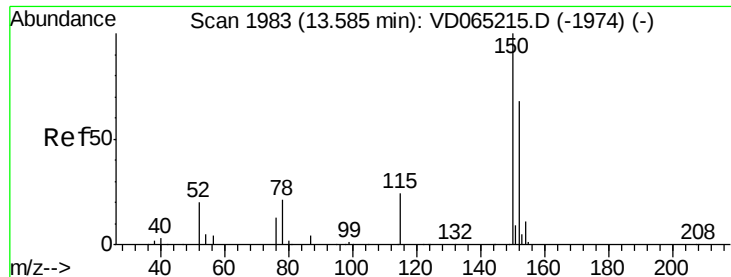


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065296.D

Acq: 24 Feb 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

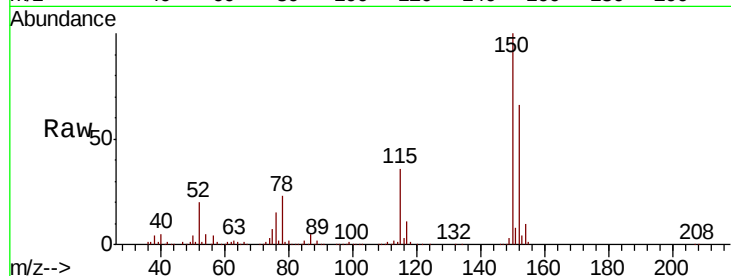
Tot Ion:152 Resp: 381386

Ion Ratio Lower Upper

152 100

115 55.3 27.6 82.8

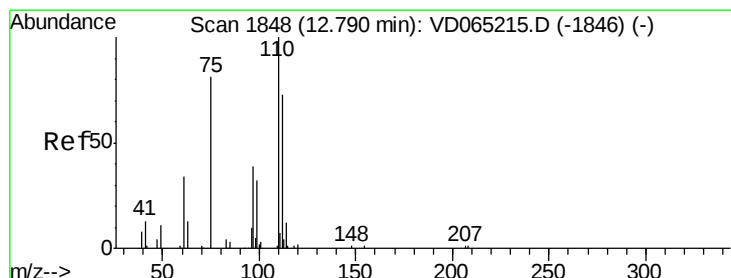
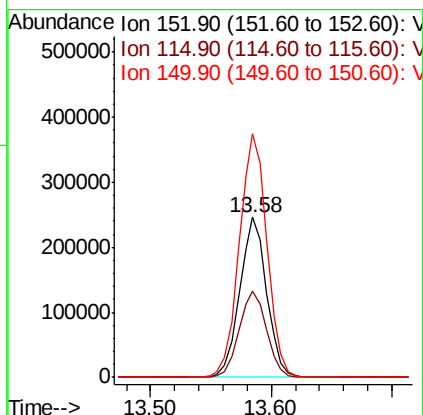
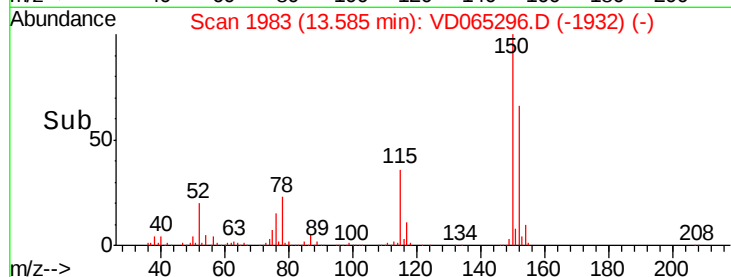
150 156.2 0.0 347.4



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: 51.782 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065296.D

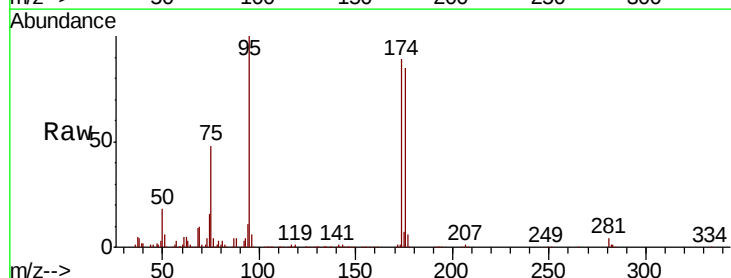
Acq: 24 Feb 2020 15:56

Tgt Ion: 75 Resp: 168029

Ion Ratio Lower Upper

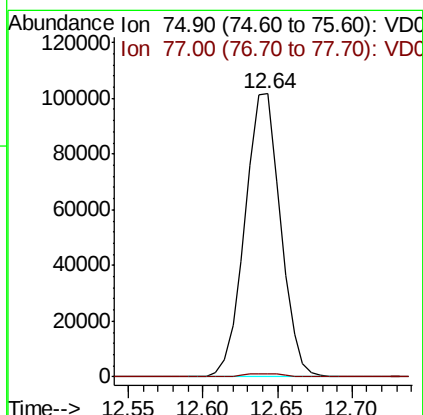
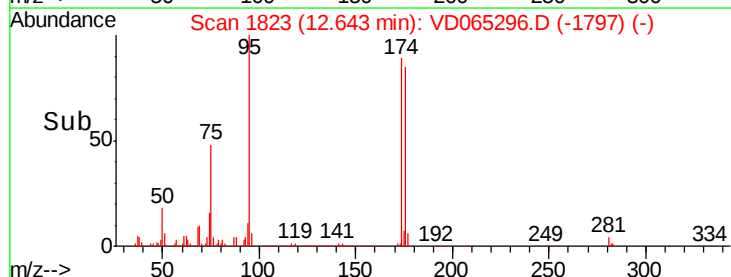
75 100

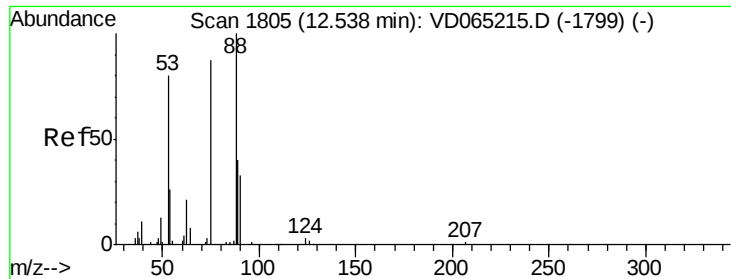
77 1.3 0.0 0.0#



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: 111.806 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065296.D
 Acq: 24 Feb 2020 15:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 168029
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.6 116.4#
 89 0.1 37.2 55.8#

