

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065276.D
 Acq On : 21 Feb 2020 15:34
 Operator : VA/SY
 Sample : L1635-04
 Misc : 6.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:24:43 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

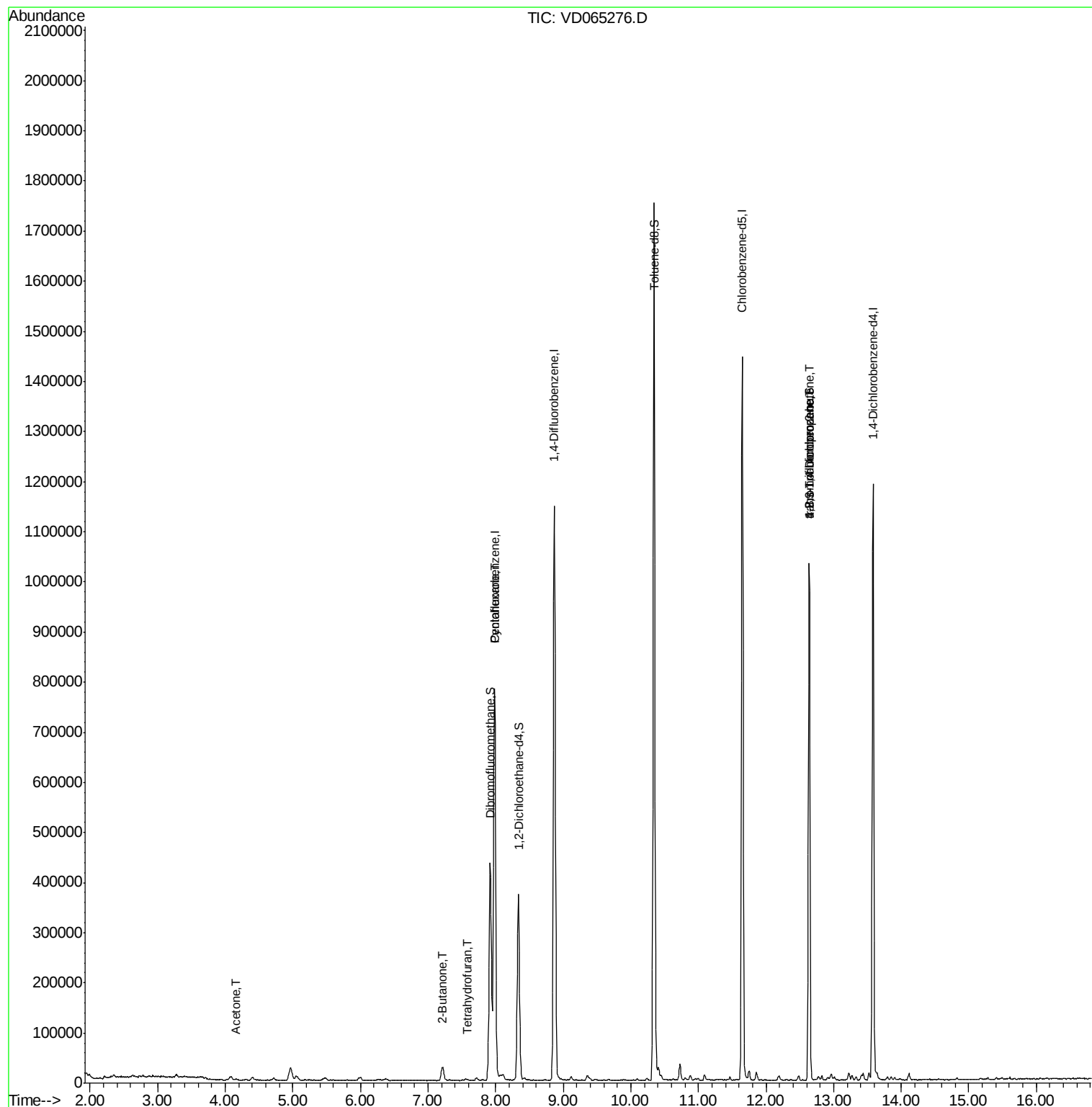
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	605713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	992697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	840541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	292516	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
35) Dibromofluoromethane	7.92	113	310127	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	10.34	98	1186717	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.64	95	320312	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	3349	2.514	ug/l	97
20) Methylene Chloride	4.96	84	20582	Below Cal	#	75
25) 2-Butanone	7.22	43	3003	1.782	ug/l #	49
29) Tetrahydrofuran	7.58	42	1351	1.368	ug/l #	76
31) Cyclohexane	7.98	56	15710	1.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	156854	56.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	156854	122.322	ug/l #	11

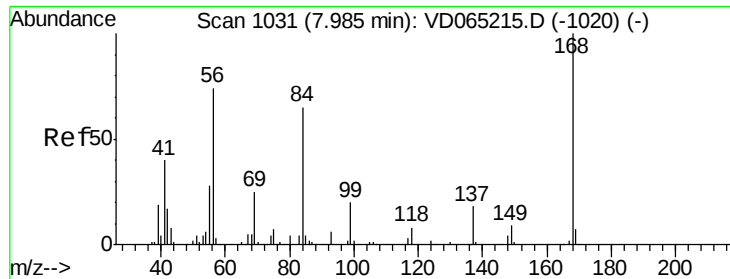
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065276.D

Acq: 21 Feb 2020 15:34

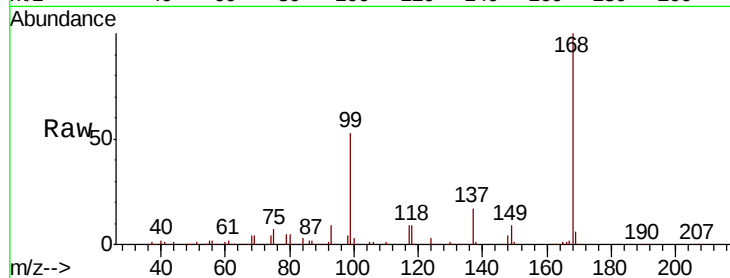
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 605713

Ion Ratio Lower Upper

168 100

99 52.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

150000

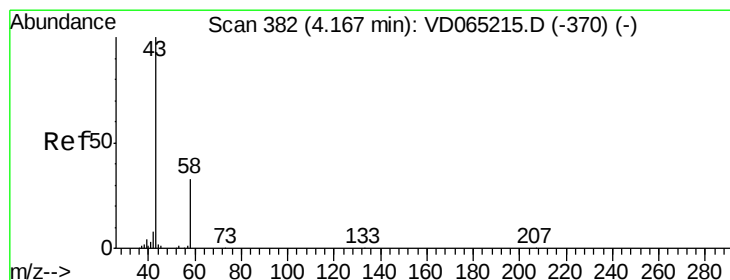
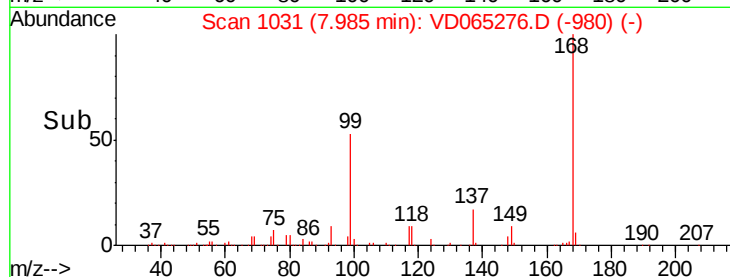
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 2.514 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065276.D

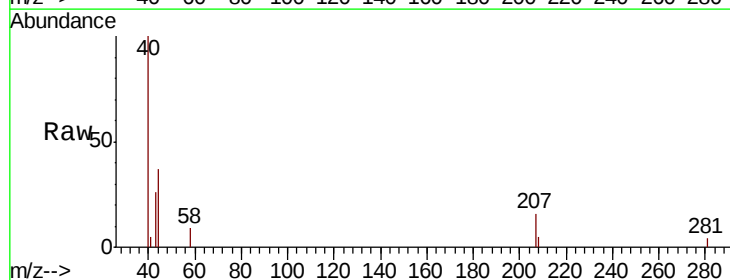
Acq: 21 Feb 2020 15:34

Tgt Ion: 43 Resp: 3349

Ion Ratio Lower Upper

43 100

58 34.5 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1200

1000

800

600

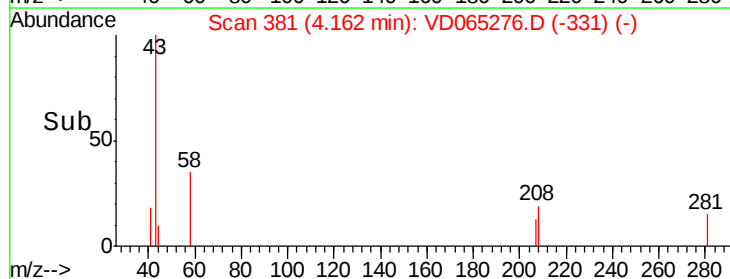
400

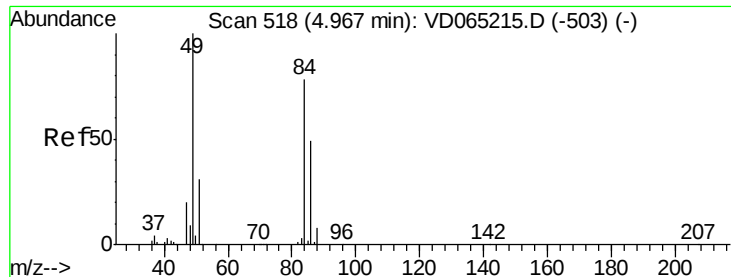
200

0

Time-->

4.10 4.15 4.20 4.25

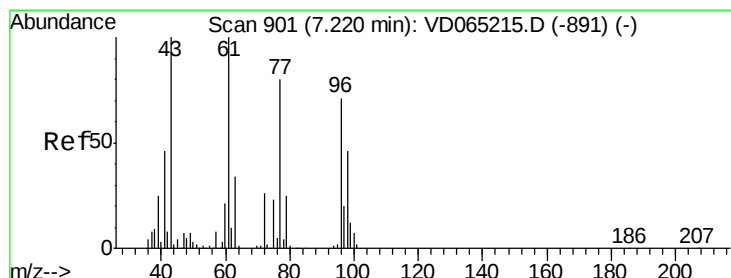
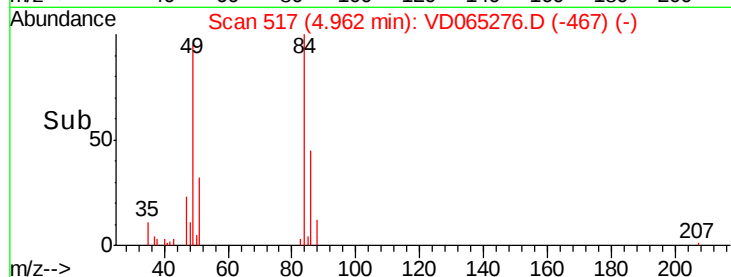
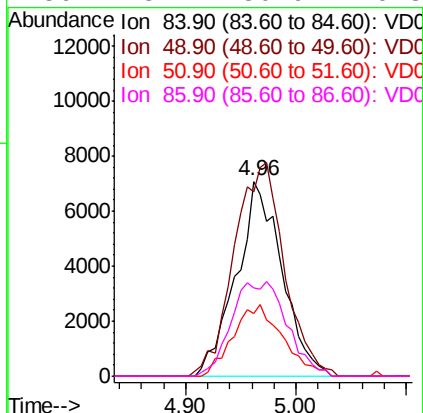
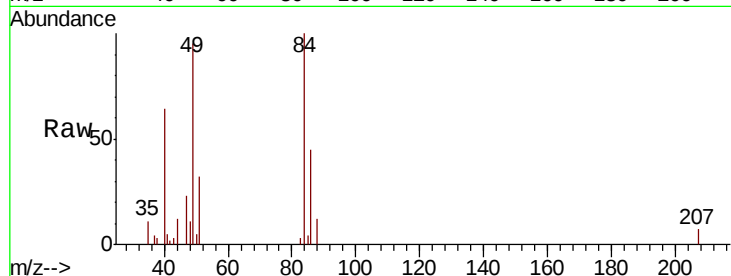




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065276.D
Acq: 21 Feb 2020 15:34

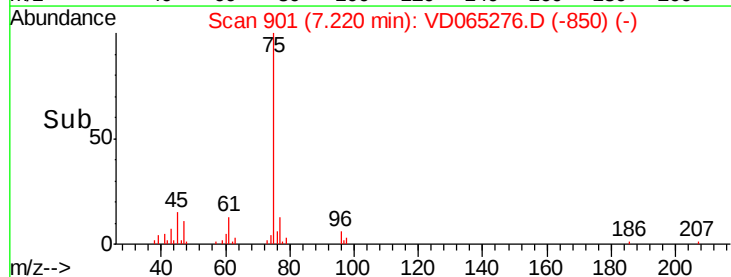
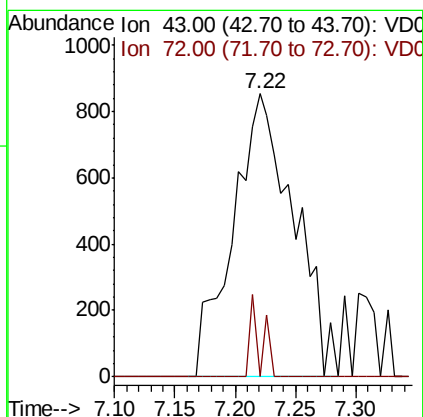
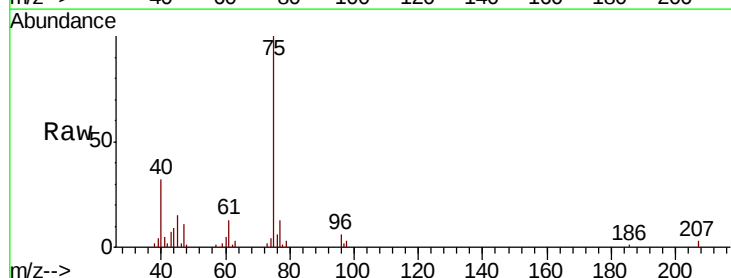
Instrument :
MSVOA_D
ClientSampleId :

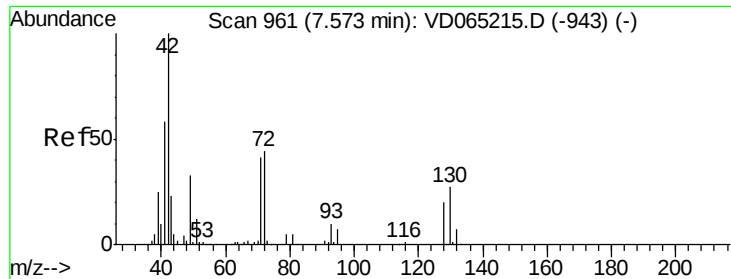
Tot Ion: 84 Resp: 20582
Ion Ratio Lower Upper
84 100
49 95.0 103.1 154.7#
51 32.4 31.7 47.5
86 45.4 50.9 76.3#



#25
2-Butanone
Concen: 1.782 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065276.D
Acq: 21 Feb 2020 15:34

Tgt Ion: 43 Resp: 3003
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

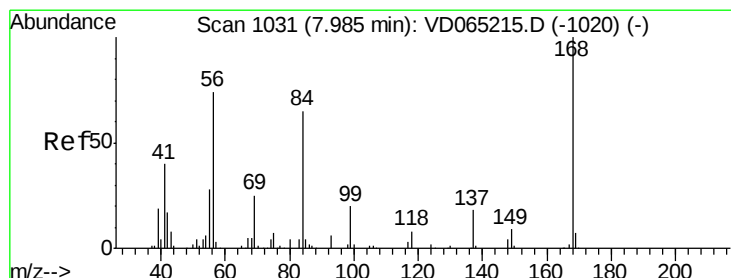
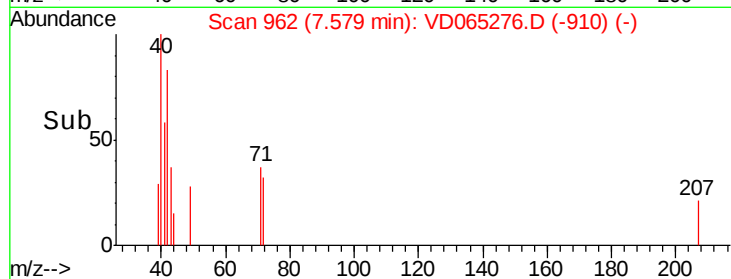
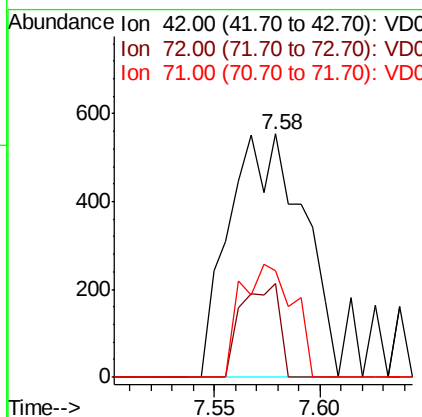
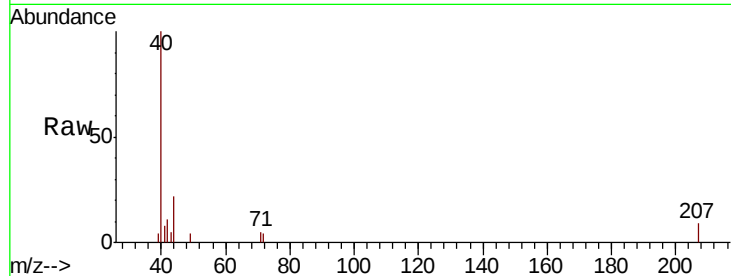




#29
Tetrahydrofuran
Concen: 1.368 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065276.D
Acq: 21 Feb 2020 15:34

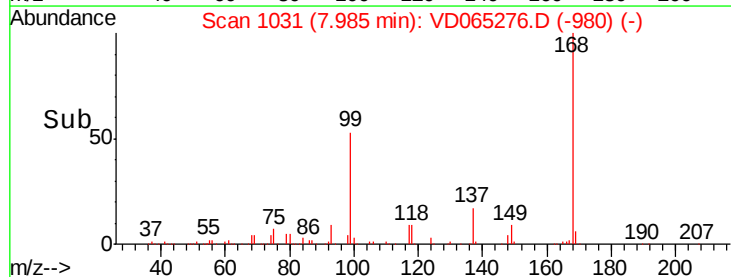
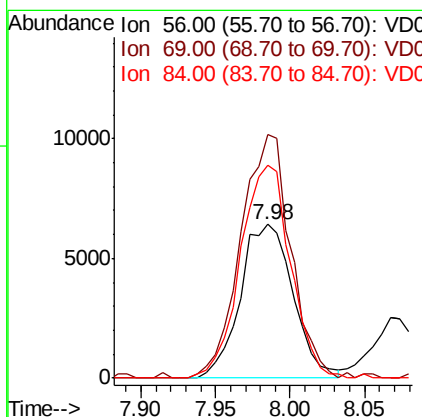
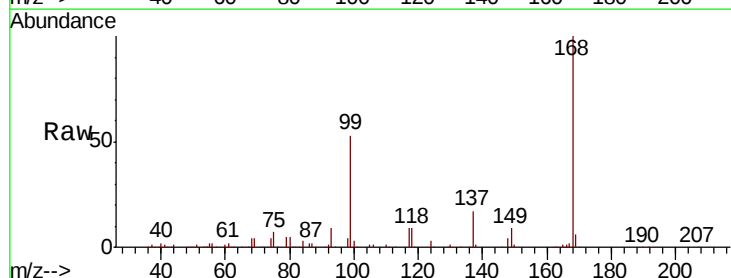
Instrument :
MSVOA_D
ClientSampleId :

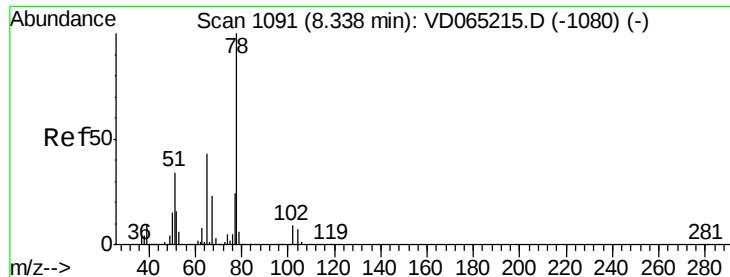
Tot Ion: 42 Resp: 1351
Ion Ratio Lower Upper
42 100
72 19.5 33.7 50.5#
71 32.6 31.4 47.2



#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065276.D
Acq: 21 Feb 2020 15:34

Tgt Ion: 56 Resp: 15710
Ion Ratio Lower Upper
56 100
69 158.7 27.4 41.0#
84 138.5 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 53.682 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065276.D

Acq: 21 Feb 2020 15:34

Instrument :

MSVOA_D

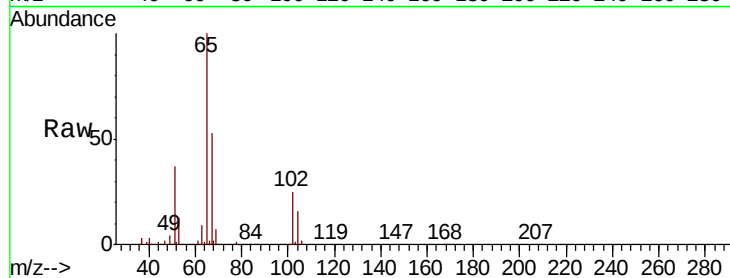
ClientSampled :

Tot Ion: 65 Resp: 292516

Ion Ratio Lower Upper

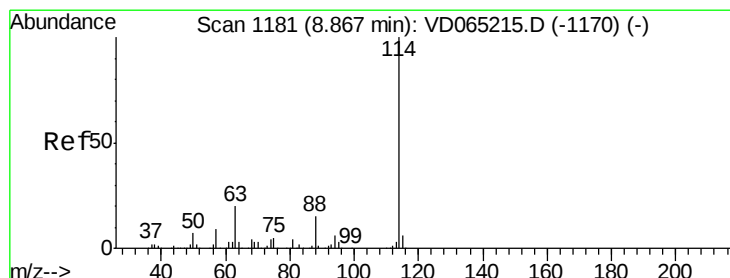
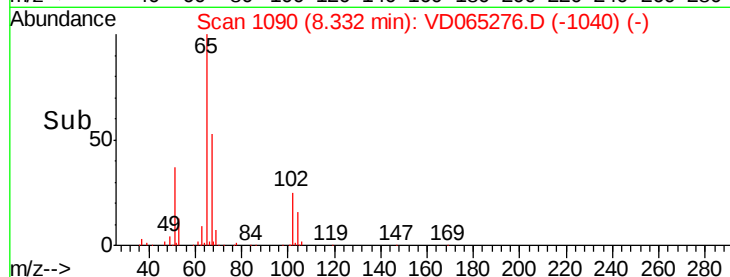
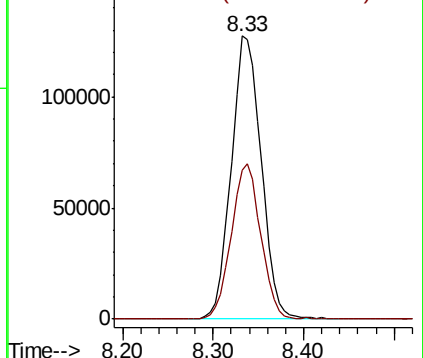
65 100

67 53.9 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: VD065276.D

Acq: 21 Feb 2020 15:34

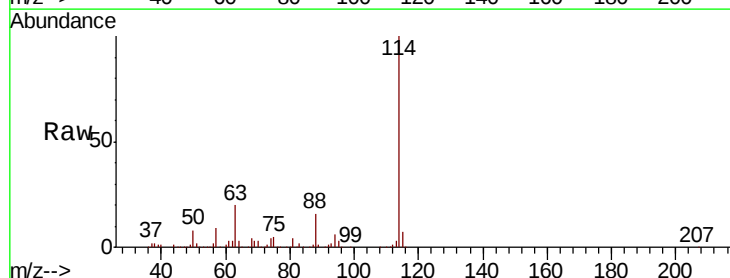
Tgt Ion: 114 Resp: 992697

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

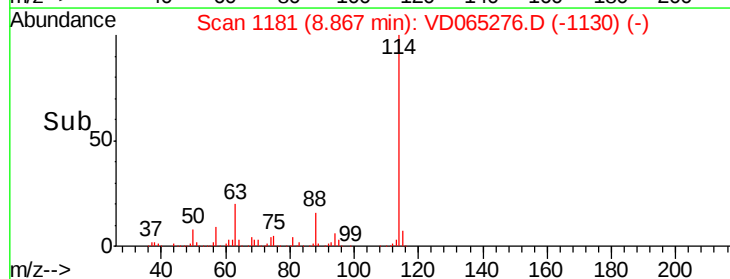
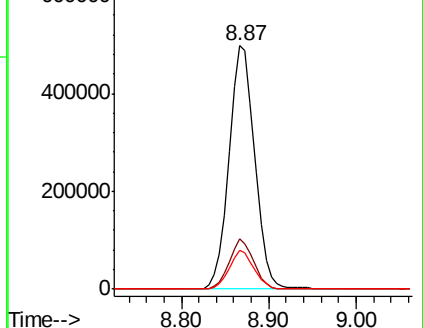
88 15.7 0.0 30.4

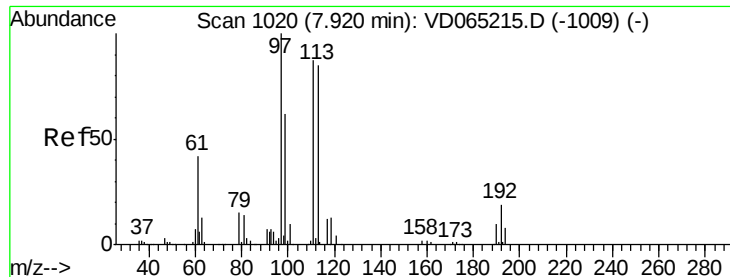


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

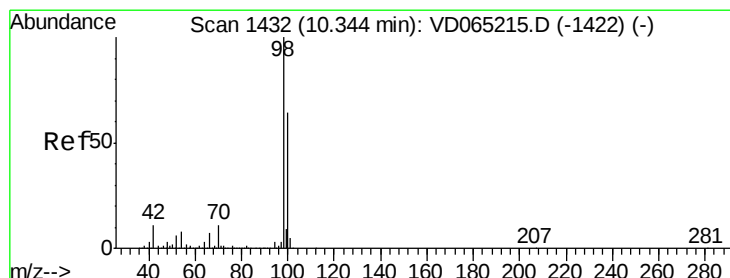
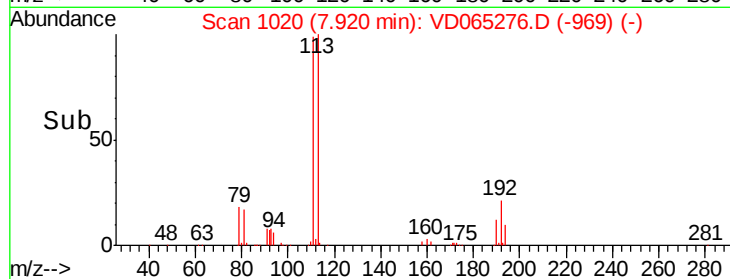
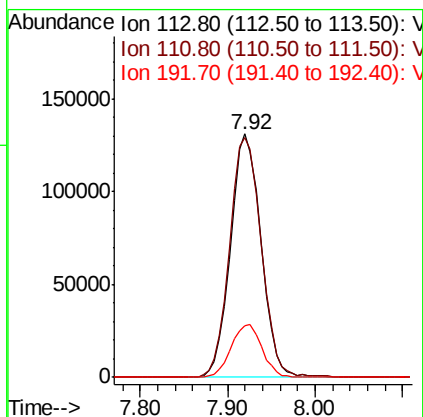
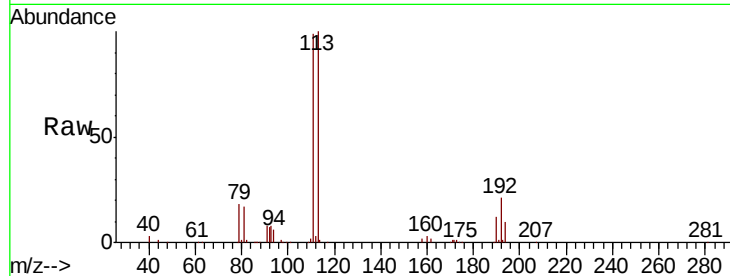




#35
 Dibromofluoromethane
 Concen: 51.236 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065276.D
 Acq: 21 Feb 2020 15:34

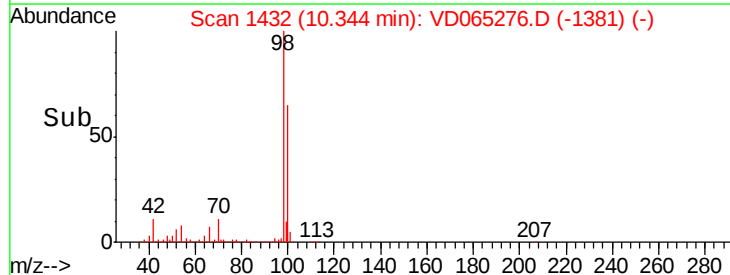
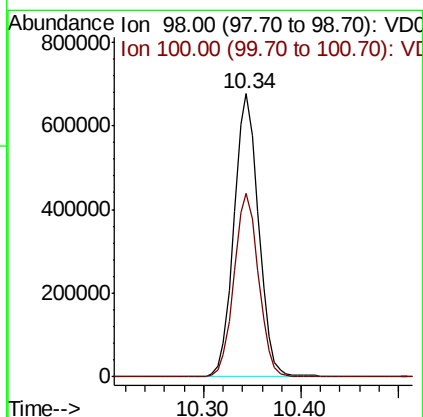
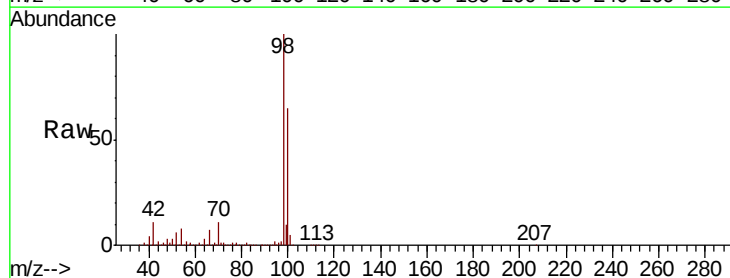
Instrument :
 MSVOA_D
 ClientSampleId :

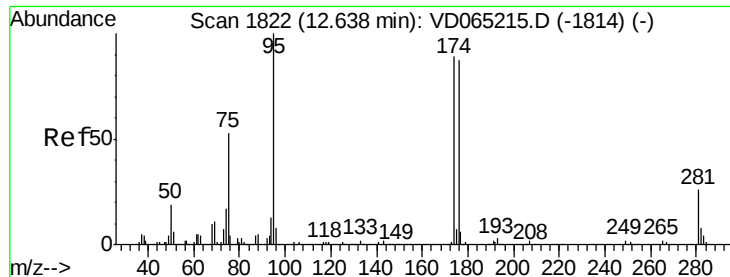
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	21.9	17.3	25.9



#50
 Toluene-d8
 Concen: 51.285 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065276.D
 Acq: 21 Feb 2020 15:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0





#62

4-Bromofluorobenzene

Concen: 43.696 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065276.D

Acq: 21 Feb 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

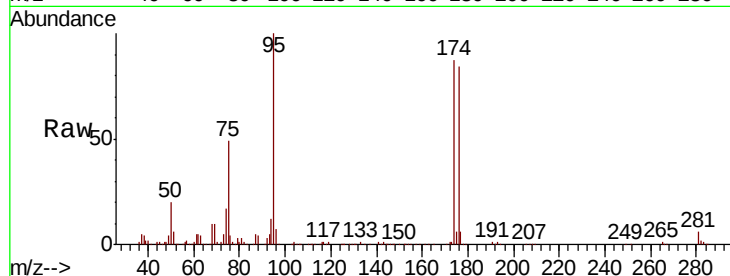
Tot Ion: 95 Resp: 320312

Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.0

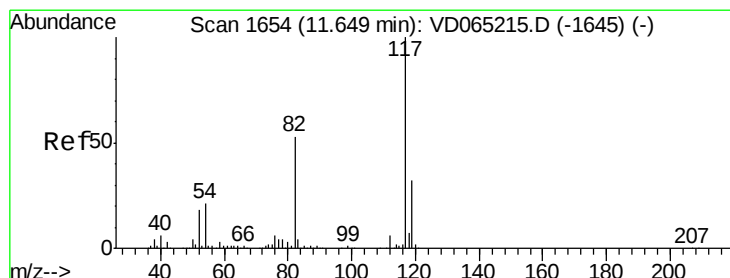
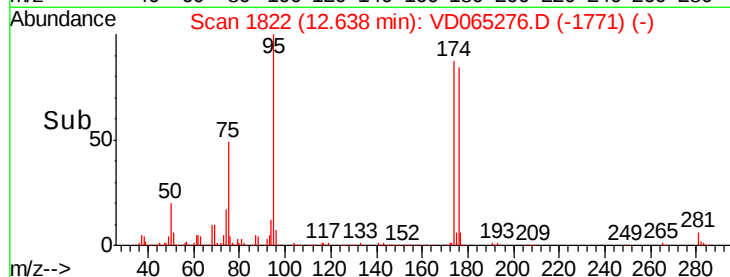
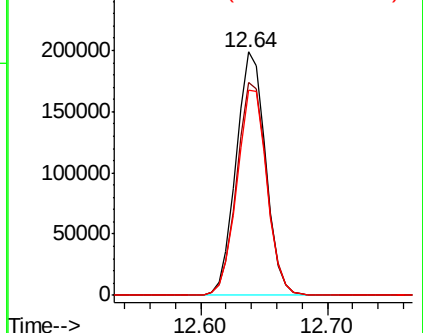
176 85.7 0.0 174.4



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: VD065276.D

Acq: 21 Feb 2020 15:34

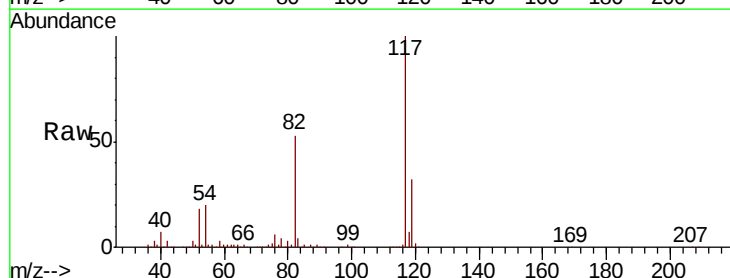
Tgt Ion: 117 Resp: 840541

Ion Ratio Lower Upper

117 100

82 53.4 42.7 64.1

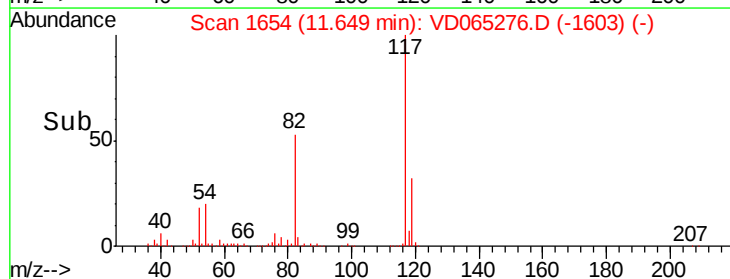
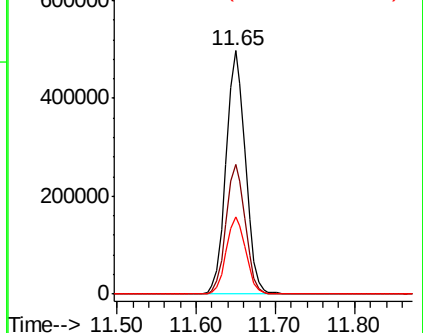
119 31.6 25.5 38.3

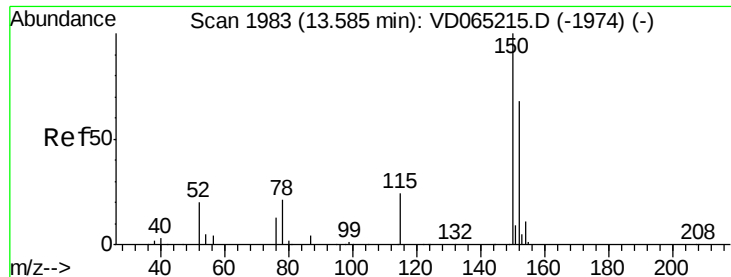


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065276.D

Acq: 21 Feb 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

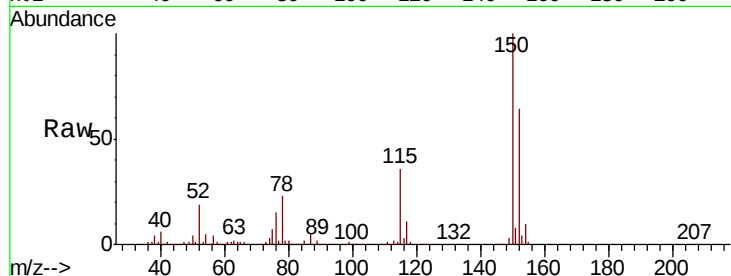
Tot Ion:152 Resp: 325413

Ion Ratio Lower Upper

152 100

115 56.2 27.6 82.8

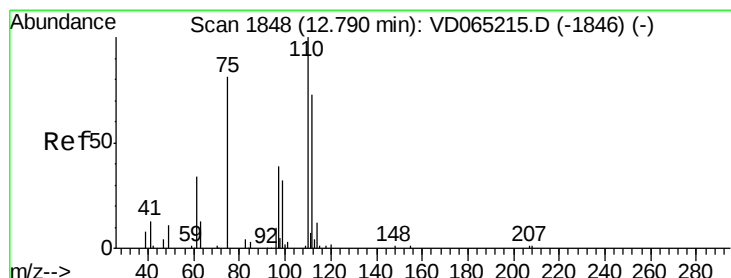
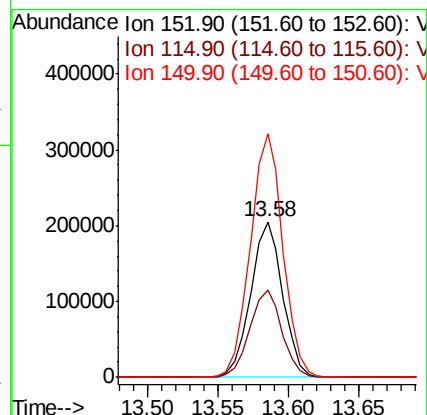
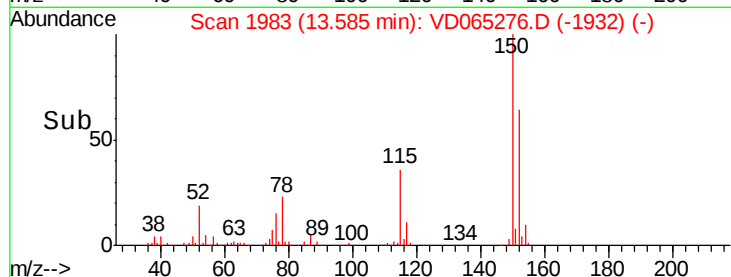
150 159.1 0.0 347.4



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: 56.652 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065276.D

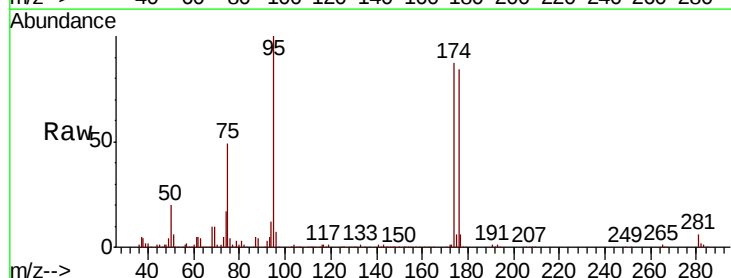
Acq: 21 Feb 2020 15:34

Tgt Ion: 75 Resp: 156854

Ion Ratio Lower Upper

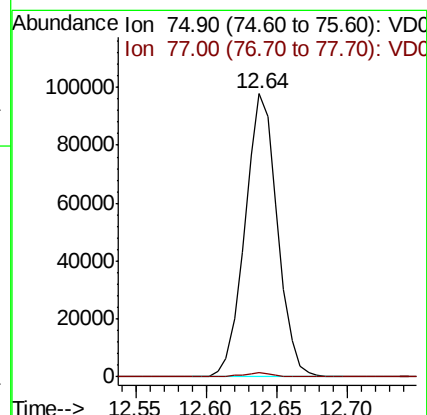
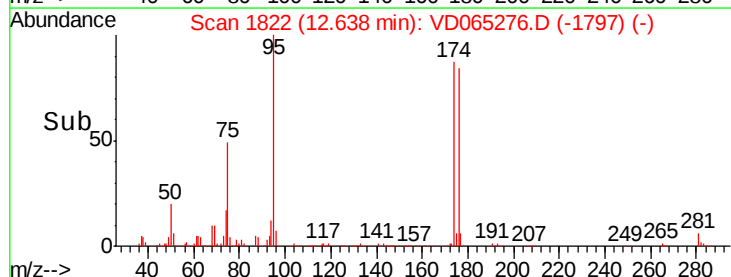
75 100

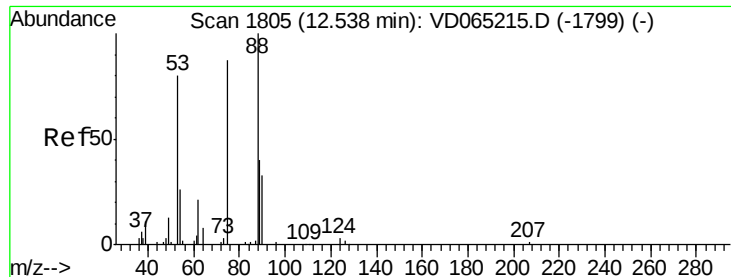
77 1.3 0.0 0.0#



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: 122.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065276.D

Acq: 21 Feb 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

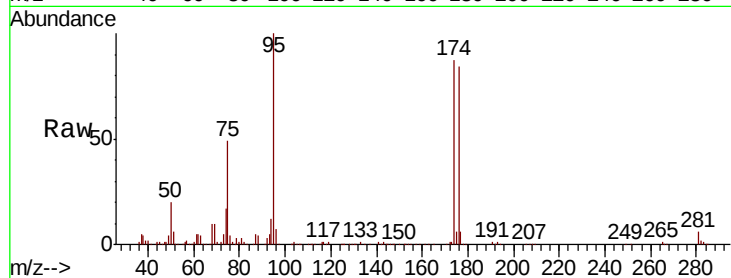
Tot Ion: 75 Resp: 156854

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

