

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065279.D
 Acq On : 21 Feb 2020 17:00
 Operator : VA/SY
 Sample : L1635-07
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:25:12 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

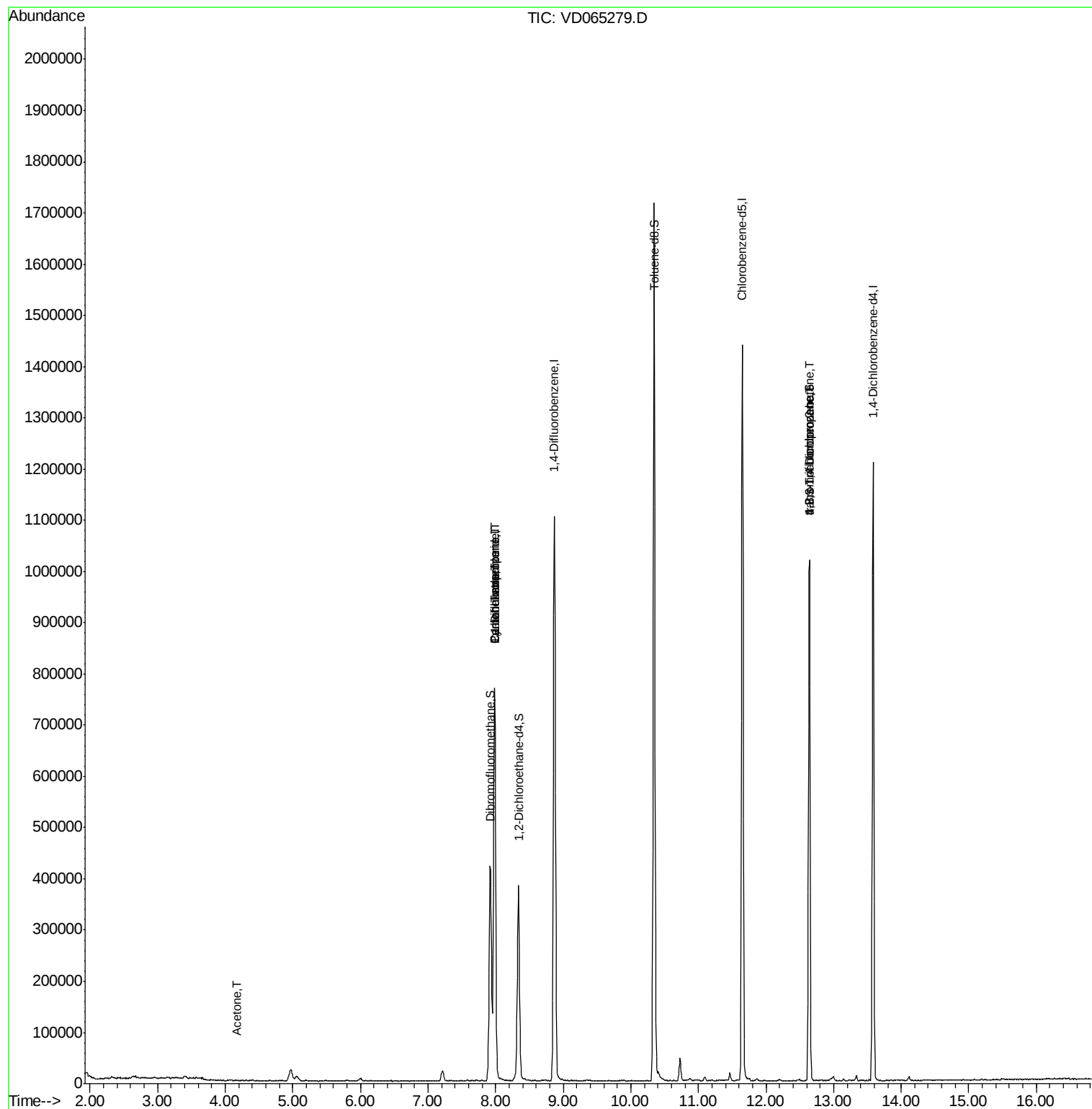
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	584504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	976149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	836572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	293995	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
35) Dibromofluoromethane	7.92	113	307153	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.34	98	1166141	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.64	95	320238	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
Target Compounds						
16) Acetone	4.16	43	1862	1.449	ug/l #	42
20) Methylene Chloride	4.97	84	16532	Below Cal		96
31) Cyclohexane	7.99	56	12726	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	42374	4.461	ug/l #	49
38) Carbon Tetrachloride	7.99	117	55356	5.725	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	159515	56.935	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	159515	122.932	ug/l #	11

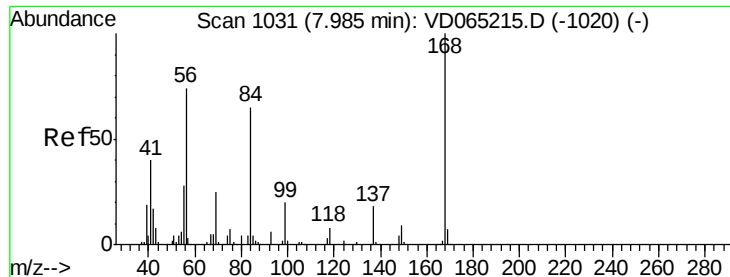
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065279.D

Acq: 21 Feb 2020 17:00

Instrument :

MSVOA_D

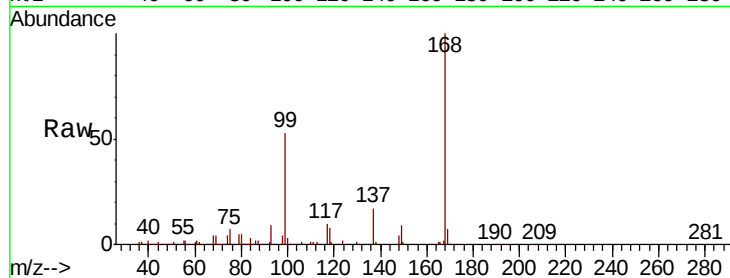
ClientSampleId :

Tot Ion:168 Resp: 584504

Ion Ratio Lower Upper

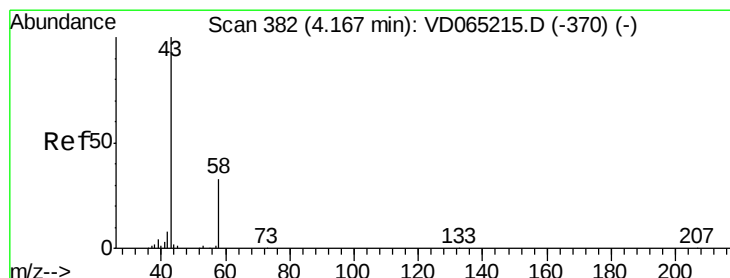
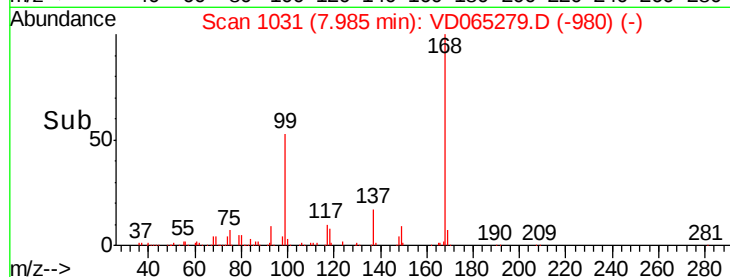
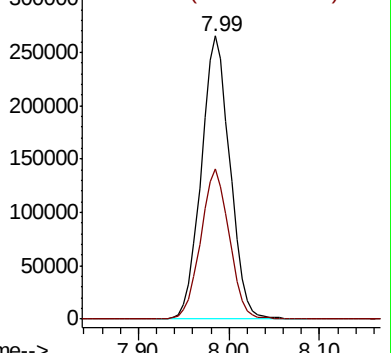
168 100

99 52.9 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: 1.449 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065279.D

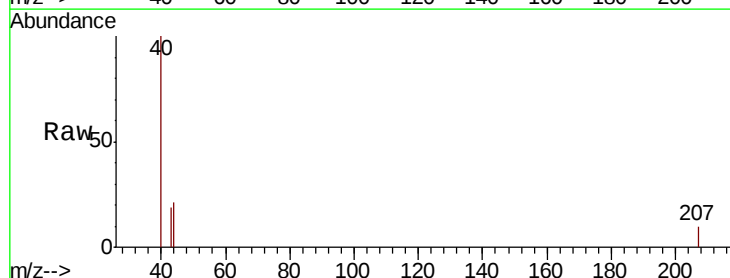
Acq: 21 Feb 2020 17:00

Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

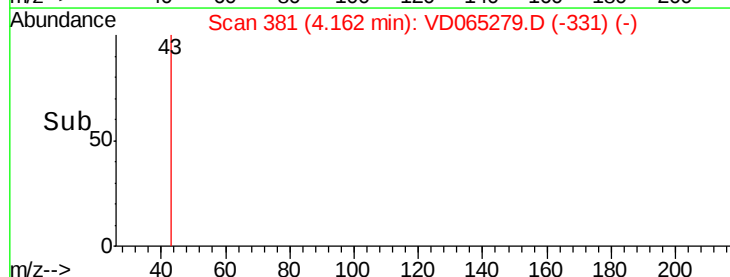
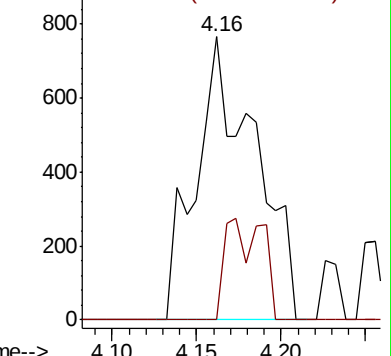
43 100

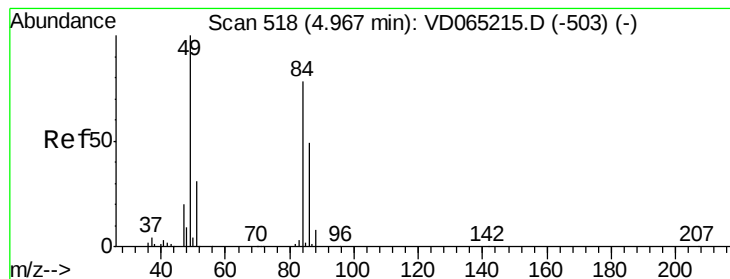
58 0.0 26.2 39.2#



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# 518

Delta R.T. 0.00 min

Lab File: VD065279.D

Acq: 21 Feb 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 16532

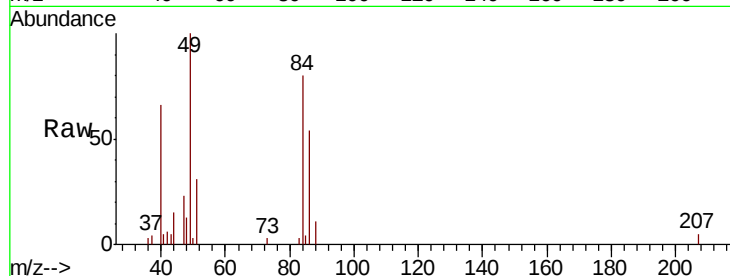
Ion Ratio Lower Upper

84 100

49 125.1 103.1 154.7

51 38.3 31.7 47.5

86 67.4 50.9 76.3



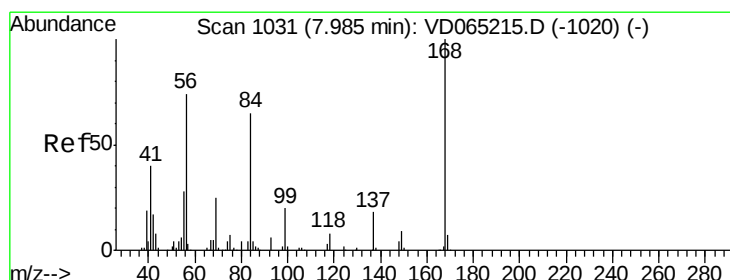
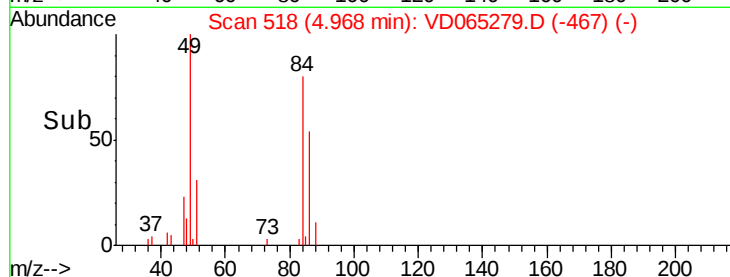
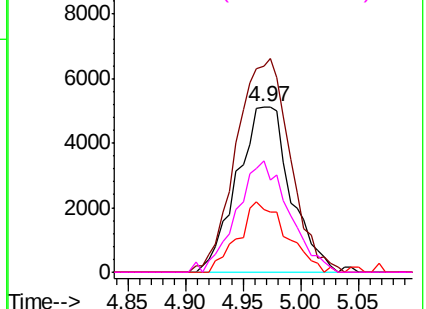
Abundance

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: 1.231 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065279.D

Acq: 21 Feb 2020 17:00

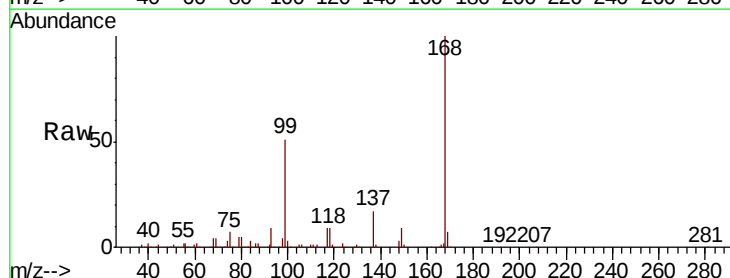
Tgt Ion: 56 Resp: 12726

Ion Ratio Lower Upper

56 100

69 166.6 27.4 41.0#

84 139.3 71.1 106.7#

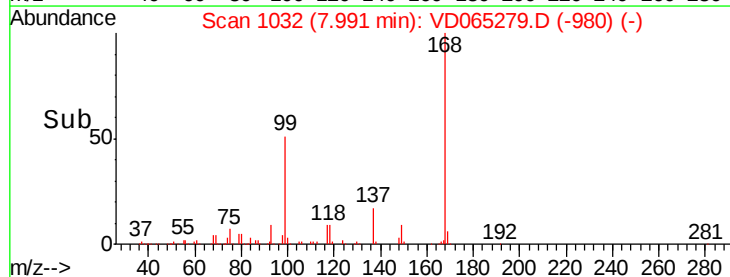
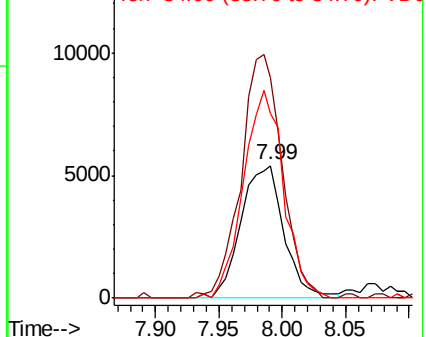


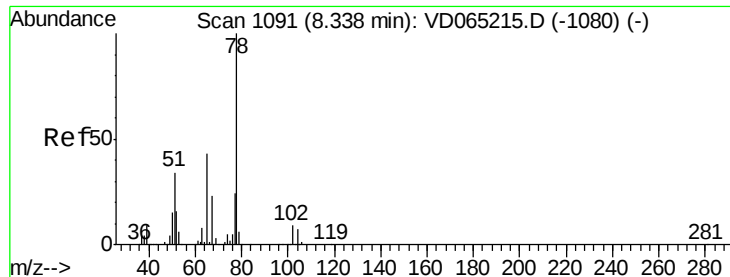
Abundance

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: 55.911 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065279.D

Acq: 21 Feb 2020 17:00

Instrument :

MSVOA_D

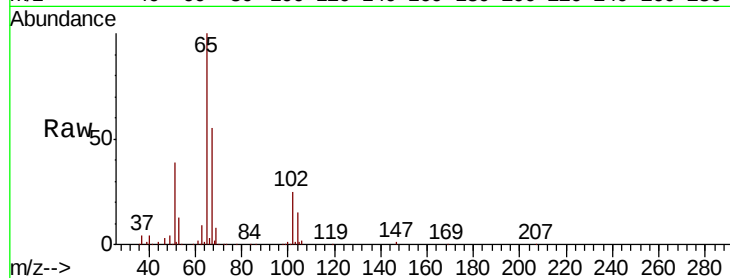
ClientSampleId :

Tot Ion: 65 Resp: 293995

Ion Ratio Lower Upper

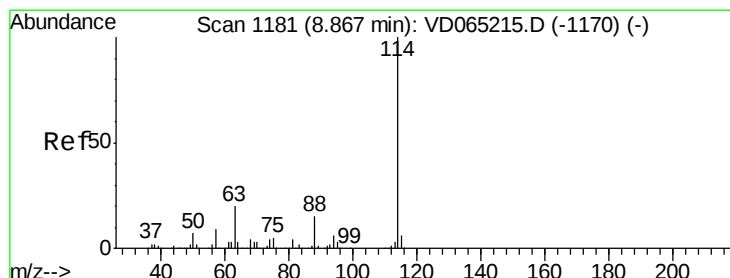
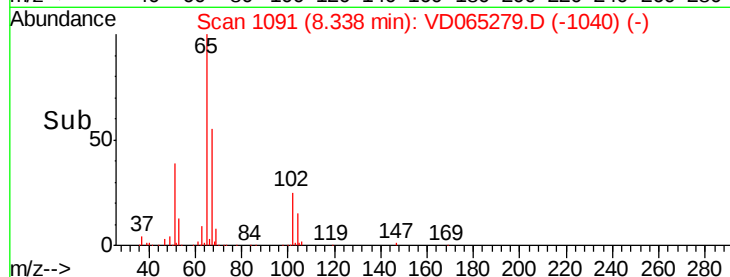
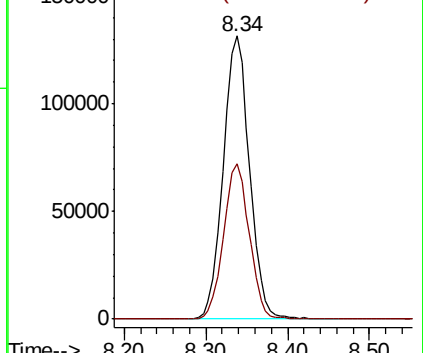
65 100

67 54.0 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: VD065279.D

Acq: 21 Feb 2020 17:00

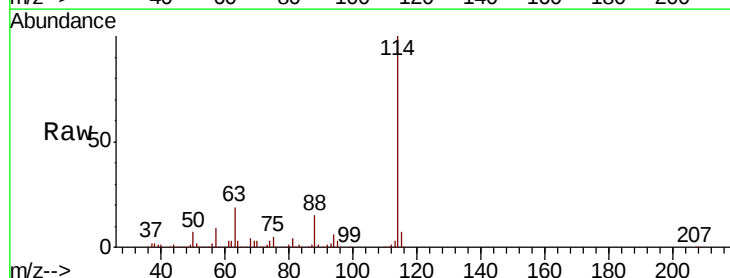
Tgt Ion: 114 Resp: 976149

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.4

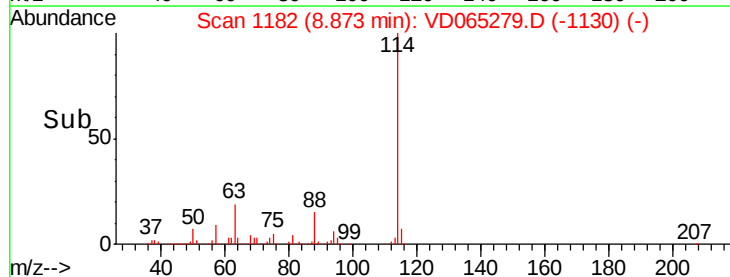
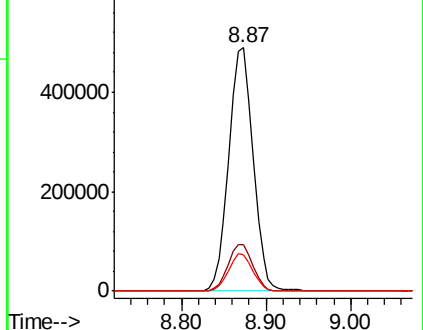
88 14.9 0.0 30.4

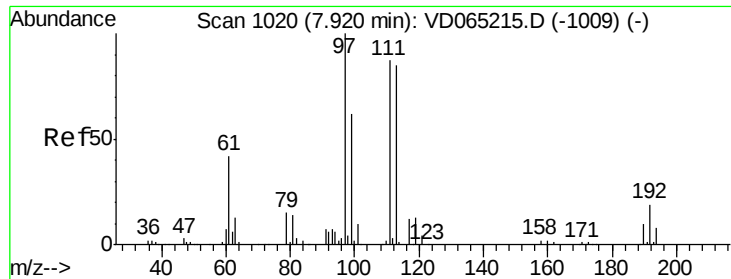


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

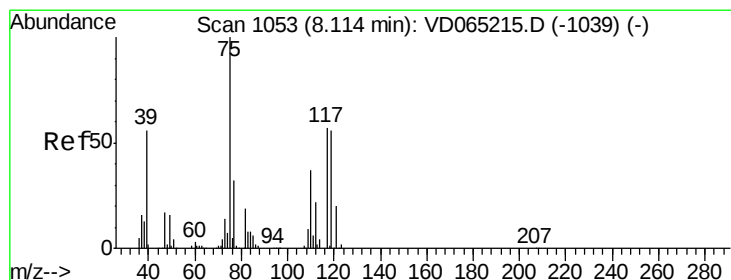
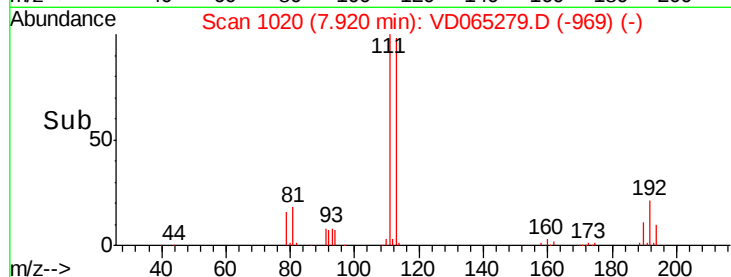
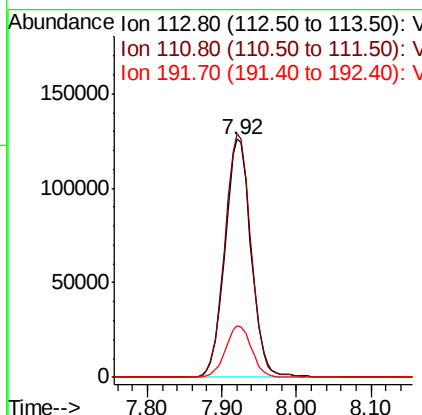
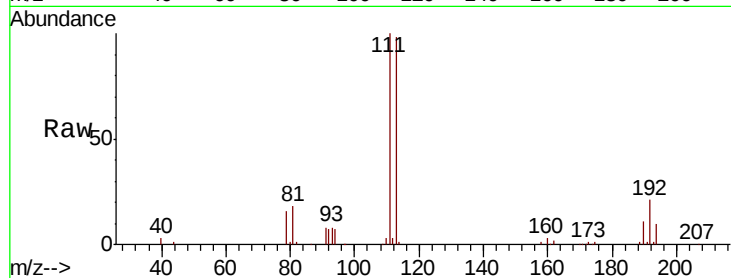




#35
 Dibromofluoromethane
 Concen: 51.605 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065279.D
 Acq: 21 Feb 2020 17:00

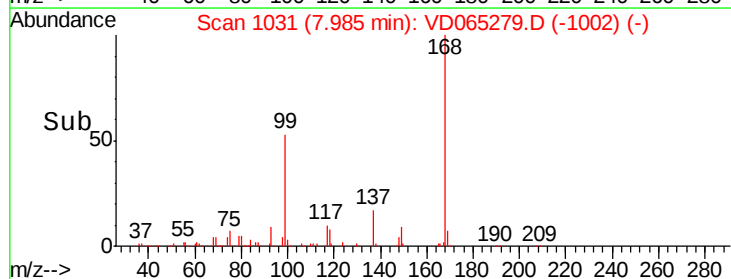
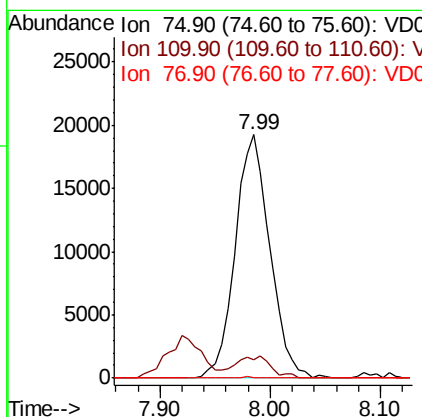
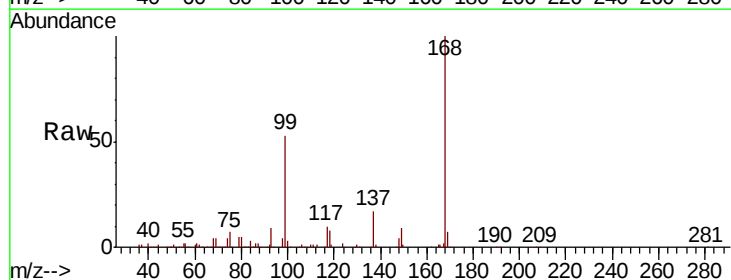
Instrument :
 MSVOA_D
 ClientSampleId :

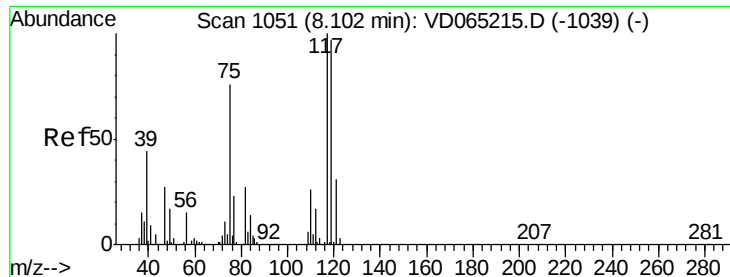
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065279.D
 Acq: 21 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.9	53.7#
77	0.1	25.1	37.7#

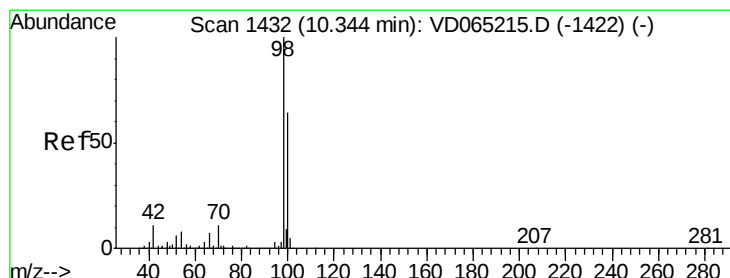
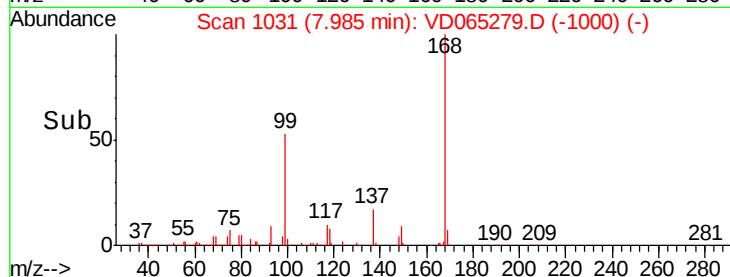
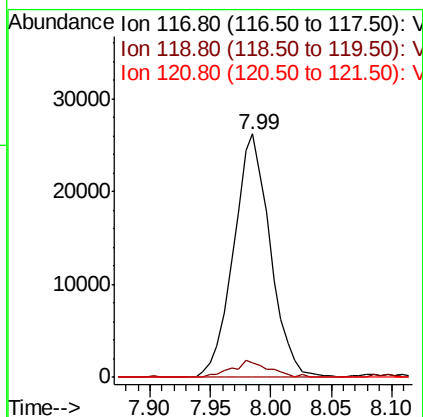
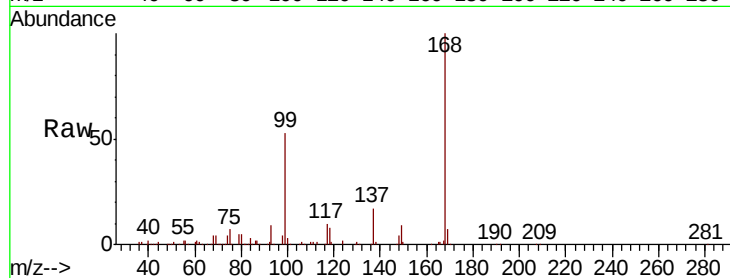




#38
Carbon Tetrachloride
Concen: 5.725 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065279.D
Acq: 21 Feb 2020 17:00

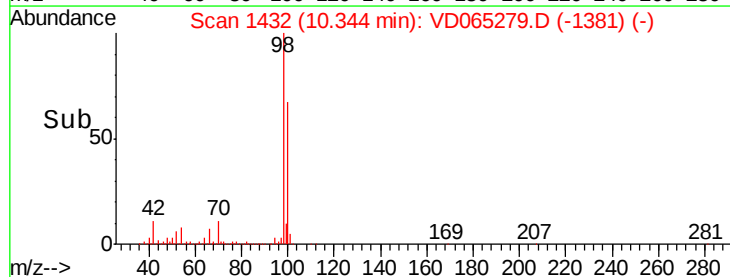
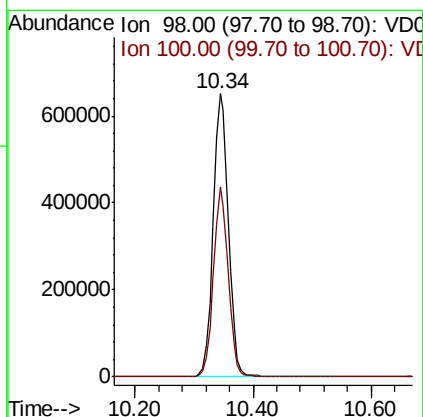
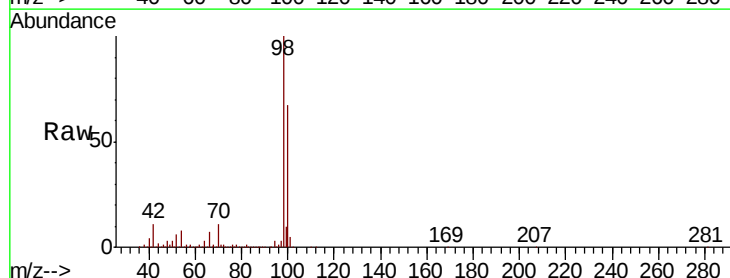
Instrument :
MSVOA_D
ClientSampleId :

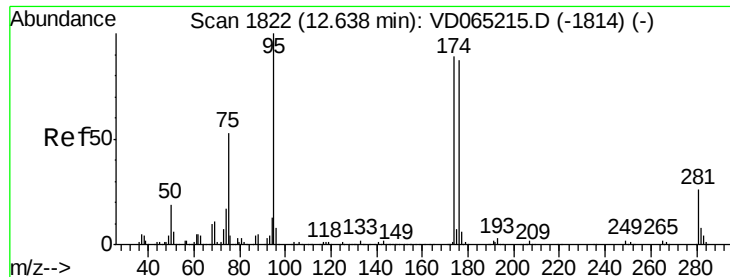
Tot Ion:117 Resp: 55356
Ion Ratio Lower Upper
117 100
119 5.8 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.250 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065279.D
Acq: 21 Feb 2020 17:00

Tgt Ion: 98 Resp: 1166141
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

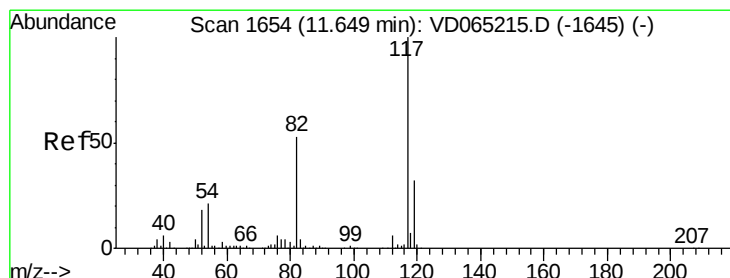
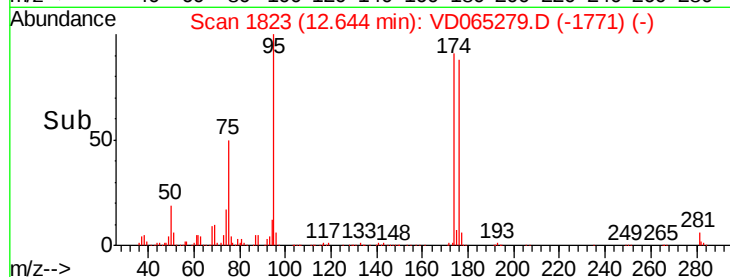
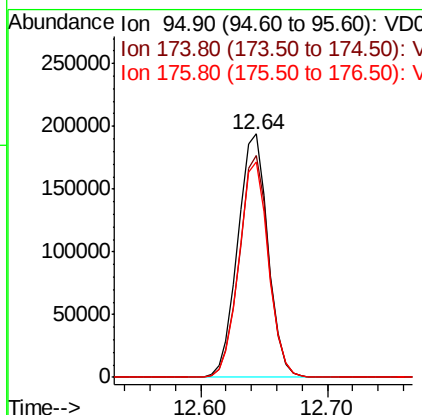
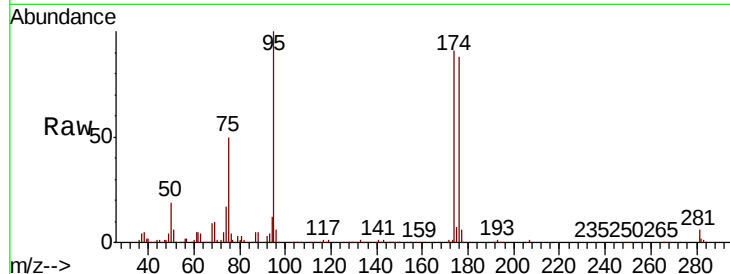




#62
4-Bromofluorobenzene
Concen: 44.427 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065279.D
Acq: 21 Feb 2020 17:00

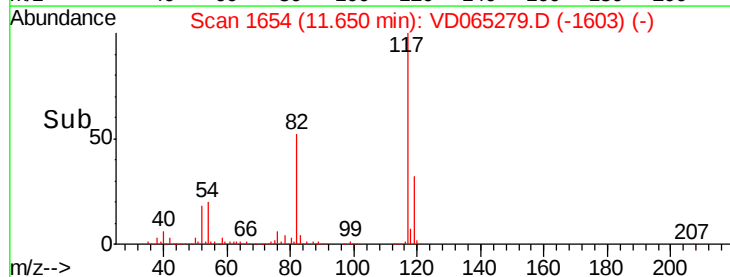
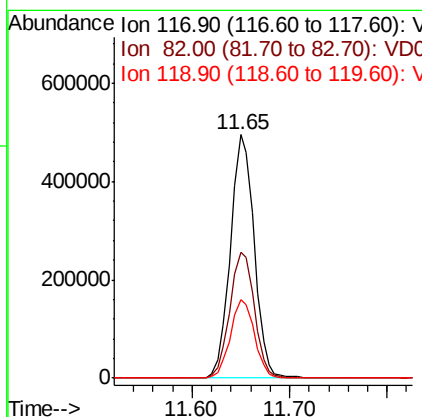
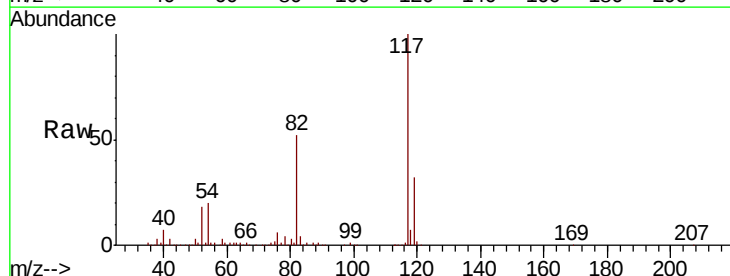
Instrument :
MSVOA_D
ClientSampled :

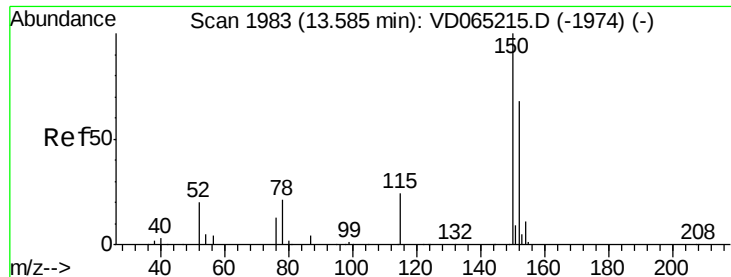
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	178.0
176	86.4	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065279.D
Acq: 21 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.7	64.1
119	32.0	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: VD065279.D

Acq: 21 Feb 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

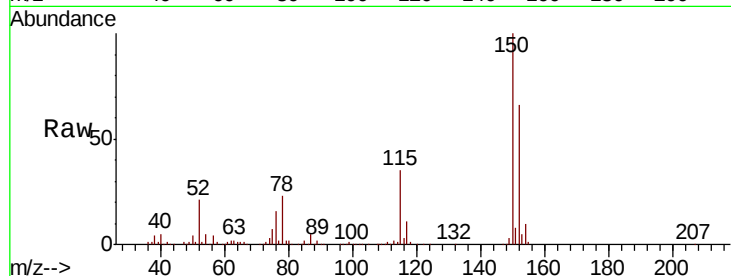
Tot Ion:152 Resp: 329292

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

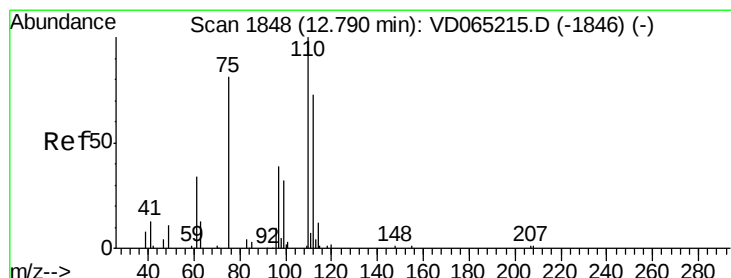
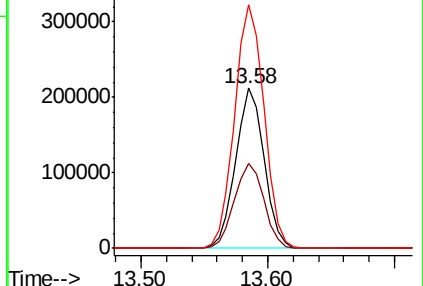
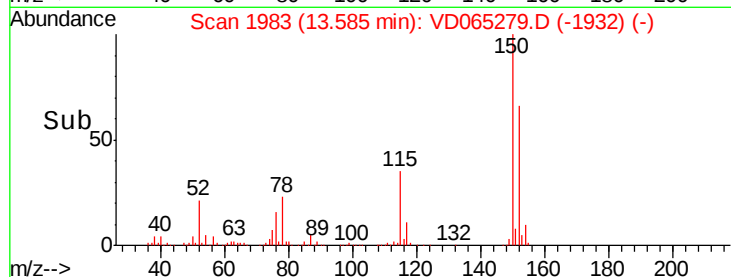
150 157.3 0.0 347.4



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: 56.935 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065279.D

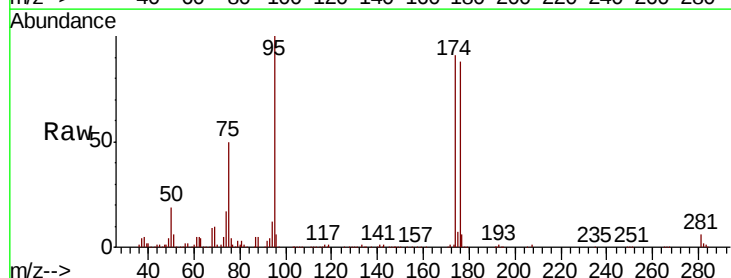
Acq: 21 Feb 2020 17:00

Tgt Ion: 75 Resp: 159515

Ion Ratio Lower Upper

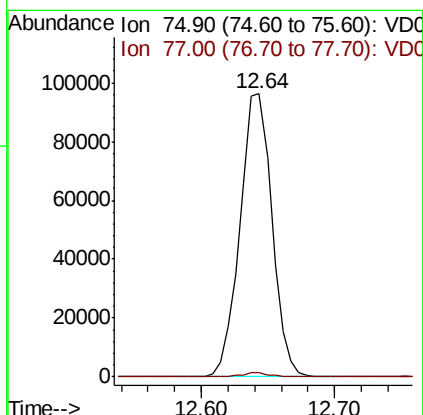
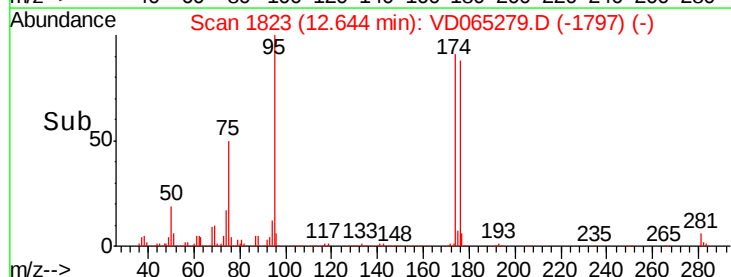
75 100

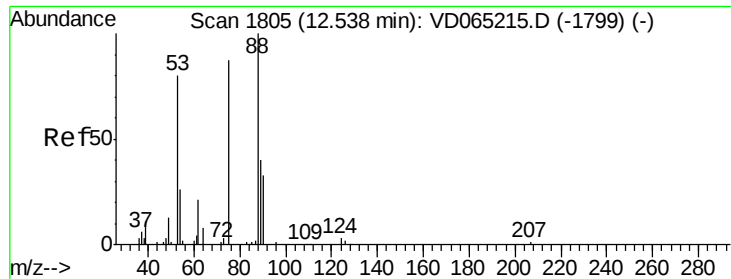
77 1.3 0.0 0.0#



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: 122.932 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065279.D

Acq: 21 Feb 2020 17:00

Instrument :

MSVOA_D

ClientSampleId :

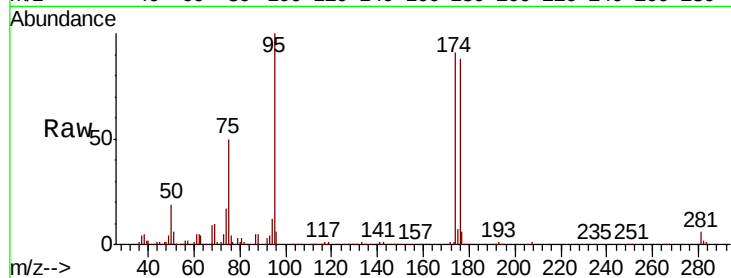
Tot Ion: 75 Resp: 159515

Ion Ratio Lower Upper

75 100

53 0.2 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

